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REMEDIAL DESIGN REPORT OPERABLE UNIT 2

STERLING SITE 3
EAST GREENBUSH, NEW YORK

Prepared for: NPEC Inc.

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Buffalo, New York 14202

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Report Number:102

ENGINEER'S CERTIFICATION

I, Robert Adams, certify that I am currently a NYS registered professional engineer and that this Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that activities were performed in accordance with the DER-approved work plan and any DER-approved modifications.



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02/27/13
Date

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1
1.1 GENERAL 1
1.2 REMEDIAL ACTION OBJECTIVES 1
1.3 REPORT ORGANIZATION 2

2.0 SITE CHARACTERIZATION 3
2.1 SITE DESCRIPTION 3
2.2 GENERAL SITE USE 3
2.3 SITE INVESTIGATION AND REMEDIAL ACTIVITIES 4
2.4 GROUNDWATER HYDROGEOLOGY 6
2.5 NATURE AND EXTENT OF CONTAMINATION 6
2.6 GROUNDWATER QUALITY 7
2.7 SELECTED REMEDIAL ALTERNATIVE 8

3.0 FIELD ACTIVITIES 10
3.1 MONITORING WELL LOCATIONS 10
3.2 MONITORING WELL INSTALLATION 10
3.3 GROUNDWATER MONITORING 12

4.0 GROUNDWATER MONITORING RESULTS 13
4.1 GROUNDWATER LEVELS 13
4.1 GROUNDWATER QUALITY 13

5.0 CONCLUSIONS AND RECOMMENDATIONS 15

LIST OF FIGURES
(Following Report)

FIGURE 1.1 SITE LOCATION

FIGURE 3.1 MONITORING WELL LOCATIONS

FIGURE 3.2 GROUNDWATER ELEVATIONS – DECEMBER 2012

FIGURE 4.1 SUMMARY OF DETECTED GROUNDWATER RESULTS – OCTOBER 2012 AND DECEMBER 2012

FIGURE 4.2 SUMMARY OF DETECTED VOCs AND TICs GROUNDWATER RESULTS – JUNE 2010 TO DECEMBER 2012

FIGURE 4.3 SUMMARY OF DETECTED SVOCs AND TICs GROUNDWATER RESULTS – JUNE 2010 TO DECEMBER 2012

LIST OF TABLES
(Following Report)

TABLE 3.1 SAMPLE COLLECTION SUMMARY

TABLE 3.2 GROUNDWATER ELEVATION DATA – DECEMBER 2012

TABLE 3.3 FIELD PARAMETER DATA

TABLE 4.1 DETECTED ANALYTICAL RESULTS

LIST OF APPENDICES

APPENDIX A STRATIGRAPHY AND WELL INSTRUMENTATION LOGS

APPENDIX B FIELD DATA

APPENDIX C LABORATORY ANALYTICAL DATA REPORTS

APPENDIX D DATA QUALITY ASSESSMENT AND VALIDATION

1.0 INTRODUCTION

1.1 GENERAL

This report presents the Remedial Design (RD) Report for the off-Site groundwater plume (Operable Unit 2 [OU-2]) at the Sterling Drug Inc. (Sterling) Site 3 (Site), in East Greenbush, Rensselaer County, New York.

A Site location plan is shown on Figure 1.1. The Site consists of an inactive landfill (Operable Unit 1 [OU-1]) that is approximately seven acres in size and was used as a disposal area from 1956 to 1977. Waste disposal activities led to contamination of soil and groundwater at the Site. Remedial activities were implemented beginning in 1989 and field construction of the cover was substantially completed in December 2012. OU-1 includes the on-Site soils and groundwater. OU-2 includes the off-property portion of the Site groundwater contaminant plume of ethyl ether and pharmaceutical semi-volatile organic compounds (SVOCs).

This report was prepared by Conestoga-Rovers & Associates (CRA) for NPEC Inc. (NPEC), a wholly owned subsidiary of Eastman Kodak Company that is managing the environmental responsibilities at the Site.

1.2 REMEDIAL ACTION OBJECTIVES

NPEC signed an Order on Consent and Administrative Settlement (Order) with the New York State Department of Environmental Conservation (NYSDEC) related to the remedial alternatives presented in the 1992 Record of Decision (1992 ROD) for OU-1 and the 2009 Record of Decision (2009 ROD) for OU-2. A Remedial Design/Remedial Action Work Plan [Remedial Action Work Plan (RAWP)] was prepared to address the requirement in the 2009 ROD for the submittal of a Remedial Design/Remedial Action Work Plan for OU-2. Revisions were made to the October 2010 RAWP due to the inability to obtain access to two of the area properties.

The remedial action objective is to address the 2009 ROD requirement "to provide the details necessary to determine the exact location and number of area properties impacted above the applicable SCGs [standards, criteria and guidance] and to provide additional information for the design of the monitoring program element of the proposed remedy."

1.3 REPORT ORGANIZATION

This RD Report is organized as follows:

- Section 1.0 Presents the introduction to and organization of the RD Report
- Section 2.0 Presents the site characterization
- Section 3.0 Presents a summary of the field activities completed
- Section 4.0 Presents the groundwater monitoring results
- Section 5.0 Provides conclusions and recommendations for future monitoring

2.0 SITE CHARACTERIZATION

2.1 SITE DESCRIPTION

The 7-acre inactive landfill is located on American Oil Road (Riverside Avenue Extension), East Greenbush, in Rensselaer County, New York. The inactive landfill is a wedge-shaped parcel of land located between Papscanee Creek and the CSX Transportation railway tracks. The Site location plan is shown on Figure 1.1. The Site is relatively flat and is situated within the 100-year flood plain of the Hudson River. The Hudson River is located 2,200 feet west of the Site. Following closure of operations by Sterling in 1977, remedial efforts were undertaken to address soil and groundwater contamination. As defined in the 1992 ROD, two distinct areas (OU-1 and OU-2) were noted as areas of potential concern. OU-1 includes the closed landfill, and on-Site soils and groundwater, and OU-2 includes the off-property portion of the groundwater contaminant plume. The primary contaminants of concern in the OU-2 groundwater plume are ethyl ether and pharmaceutical SVOCs.

There are no continuously occupied structures that exist on the Site or on the OU-2 off-Site properties. Land use in the surrounding areas is mainly rural in appearance and used for agricultural purposes or open land. Residential areas exist approximately 3/4 of a mile to the northeast of the Site. There is no current use of groundwater as a source of drinking water, and the groundwater is considered non-potable due to elevated levels of naturally occurring inorganics (e.g., iron and manganese). There are no known water wells downgradient of the Site, and no known water wells within 1.25 miles of the Site to the east of the Hudson River, based upon a search of the NYSDEC Water Well Information database (www.dec.ny.gov/cfmx/extapps/WaterWell/index.cfm?view=searchByCounty; NYSDEC, 2012).

2.2 GENERAL SITE USE

Between 1956 and 1977, the OU-1 landfill was used by Sterling for the disposal of waste materials. Company records indicated that disposed wastes in OU-1 included pharmaceutical intermediates, finished pharmaceutical products, Sterling Winthrop Research Institute waste, filter cakes, solvents, still bottoms, motor and lubricating oils, and wood. In 1977, the Site was covered with sandy clay and gravel and closed, and has remained inactive since that time. OU-2 consists of a groundwater contaminant plume from the landfill, consisting of ethyl ether and pharmaceutical SVOCs.

2.3 SITE INVESTIGATIONS AND REMEDIAL ACTIVITIES

The Site was listed by the NYSDEC in 1982 in the Registry of Inactive Hazardous Waste Disposal Sites in New York. The Site was designated in 1983 as a Class 2 inactive hazardous waste disposal site in accordance with NYSDEC's numerical rankings under the Environmental Conservation Law (ECL). A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

The Site has been the subject of ongoing investigations and remedial activities since 1982 to delineate the nature and extent of contamination at the Site. Results from previous investigations identified volatile organic compounds (VOCs) and SVOCs as the primary contaminants in Site soils and groundwater. Several remedial activities have been implemented at the Site, beginning with the removal of 8,452 buried drums from OU-1 between 1989 and 1990. Many of these drums were empty; however, some also contained product. Following the removal of the drums, additional investigations were conducted to determine the extent of the remaining contamination on Site.

In 1992 a ROD (1992 ROD) for OU-1 was signed by NYSDEC. The selected remedy in the 1992 ROD for OU-1 included: vacuum extraction (VE) of hot-spots identified in the on-Site soils, groundwater recovery and treatment of the on-Site portion of the contaminant plume, installation of an impermeable landfill cover, Site use restrictions and environmental monitoring.

The VE System and the groundwater pump and treat system were installed in accordance with the 1992 ROD. The Air Sparging System was installed voluntarily, with the approval and oversight of the NYSDEC, as a further enhancement to source removal prior to capping the landfill. The VE System commenced full-scale operation in December 1994 to address contaminants in the fill/soil within OU-1. The Groundwater Treatment System (GWTS) was commissioned in May 1996 to address groundwater immediately downgradient of OU-1. The Air Sparging System started operation in July 2000 to address groundwater within the hot spot areas of OU-1. The VE and Air Sparging systems were operated until January 2011 and were effective in reducing the contaminant levels within the landfill. In addition, an impermeable landfill cover was substantially completed over the inactive landfill in 2012. The 1992 ROD stated that the VE system and subsequent Air Sparging system would operate until specific contaminant levels were achieved or until performance data indicated that the system was no longer effective. Further, the 1992 ROD stated that the landfill capping of OU-1 would be implemented once NYSDEC determined that a significant mass of contamination had been removed. In November 2007, NYSDEC determined that

significant mass had been removed from OU-1 and that the landfill capping phase could be initiated.

A Focused Feasibility Study Report (FFS) was prepared to evaluate remedial alternatives for OU-2 groundwater. The FFS identified, screened, and evaluated potential remedial alternatives for OU-2 groundwater against threshold criteria including protection of human health and the environment, and compliance with NYS SCG; and against balancing criteria including short-term effectiveness, long-term effectiveness and permanence, reduction of toxicity, mobility or volume, implementability, cost-effectiveness, and community acceptance. The remedial alternative that was selected by NYSDEC for OU-2 groundwater is Alternative G2: Institutional Controls. This alternative is summarized in Section 2.7.

The FFS also evaluated exposure pathways for OU-2. An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has five elements: i) a contaminant source, ii) a contaminant migration route, iii) a point of exposure, and iv) a route of exposure for v) a receptor population. If any of these elements are not present, the exposure pathway is considered incomplete. Currently, there are no known complete exposure pathways for OU-2.

An exposure pathway is considered a potential pathway when one or more of the elements currently does not exist, but could in the future. Potential pathways that could exist in the future include:

1) Inhalation of vapors from contaminants in the groundwater for construction workers involved in future excavation activities
2) Inhalation of vapors accumulating in the indoor air via the vapor intrusion pathway into structures constructed on Site in the future
3) Ingestion, dermal contact and/or inhalation of vapors from contaminated groundwater if drinking water or irrigation wells are installed on Site in the future

The OU-2 off-property groundwater plume is presently monitored on a semi-annual basis for VOCs and Site-specific parameters and on a biennial basis for an expanded list of locations and parameters including SVOCs and SVOC Tentatively Identified Compounds (TICs) at select locations. An expanded sampling event for SVOCs, including lidocaine and phenobarbital, and SVOC TICs was completed during the Biennial Groundwater Sampling event in June 2010.

2.4 GROUNDWATER HYDROGEOLOGY

Three water-bearing zones have been identified in the vicinity of the Site. The water-bearing zones from shallowest to deepest are:

1) Upper Unconsolidated Aquifer (at a depth of 10 to 90 feet) that consists of gravel and sand and is overlain by silt.
2) Lower Unconsolidated Aquifer (at a depth of 80 to 100 feet) that consists of till and is separated from the upper aquifer by a clay aquitard. The Lower Unconsolidated Aquifer is not present at all locations beneath OU-1 and OU-2
3) the Bedrock Aquifer (at a depth of 45 to 120 feet).

Groundwater flow in the Upper Unconsolidated Aquifer is influenced by a geologic trough and moves in a northwest direction towards the Hudson River. The Hudson River exerts a tidal influence on groundwater in the vicinity of the Site. The tidal effect varies from approximately 0.08 feet at monitoring wells near the inactive landfill to 2 feet at monitoring wells closest to the Hudson River.

2.5 NATURE AND EXTENT OF CONTAMINATION

Previous Site investigations indicated that the subsurface within OU-1 consists of approximately 8 feet of a heterogeneous mixture of silt, sand, and clay fill underlain by 6 feet of lower permeability silt, silty clay, and clayey silt. The upper layer was characterized as being mixed with waste products such as glass vials, flasks, wood, and needles. Drums of material have been excavated from the OU-1 area during remedial activities between 1989 and 1990. Following drum removal, sampling conducted at the Site indicated the presence of several "hot spots" in OU-1 composed of VOCs, which were addressed by the VE System. The primary contaminants of concern at OU-1 include benzene, toluene, acetone, ethyl ether, 1,2-dichloroethane, trichloroethylene, and chloroform. Additional drums and drum carcasses were excavated in January 2000 from the National Grid property in OU-1 and in 2012 prior to construction of the impermeable cover system in OU-1.

In addition, a groundwater plume, consisting of ethyl ether and pharmaceutical SVOCs has been detected in OU-2. The Site GWTS intercepted impacted groundwater downgradient of the source area OU-1, and the treated effluent from the GWTS was

discharged back into the groundwater northwest of the landfill. The OU-2 plume extends to the northwest of the western boundary of OU-1 and is approximately 2,400 feet long and 750 feet wide along the line of groundwater flow. The plume has migrated to several downgradient, off-Site property parcels. The GWTS ceased operation in March 2007. Monitoring of OU-1 and OU-2 groundwater wells is currently being conducted on a semi-annual basis. The primary constituents (contaminants of concern) detected in the OU-2 plume are ethyl ether, and pharmaceutical SVOCs such as lidocaine, phenobarbital, talbutal, mephobarbital, hexobarbital, and pentazocine.

2.6 GROUNDWATER QUALITY

Groundwater flows towards the Hudson River 2,200 feet away from the Site and surface water runoff from the Site flows to Papscanee Creek. Groundwater in the vicinity of the Site contains naturally elevated iron and manganese concentrations, which discourages its use as a drinking water source essentially rendering the groundwater as non-potable.

Previous investigations have identified benzene, toluene, ethyl ether, methylene chloride, acetone, methylthiophene, 1,2-dichloroethane, trichloroethylene, and chloroform as the primary chemicals of concern in OU-1 groundwater. Concentrations were typically 1 to 2 orders of magnitude higher than the corresponding groundwater remediation goals. However, the GWTS, VE system and Air Sparging system were effective in reducing the levels of the majority of these contaminants in OU-1.

A groundwater plume consisting primarily of ethyl ether and SVOCs in the Upper Unconsolidated Aquifer has been identified as emanating from the inactive landfill area to off-Site agricultural/open land. This plume of groundwater that has been impacted by Site constituents is defined as OU-2. Groundwater in OU-2 is monitored under the Site semi-annual and biennial groundwater sampling programs.

The lower portion ("B" wells) of the Upper Unconsolidated Aquifer has higher observed concentrations of Site-related constituents than the upper portions ("A" wells) of the Upper Unconsolidated Aquifer. The Bedrock Aquifer does not appear to have been impacted by Site-related constituents.

The majority of VOCs and SVOCs analyzed within OU-2 is either at non-detect levels, or has been reduced to below detection levels. Ethyl ether and some pharmaceutical SVOCs remain above the NYSDOH Part 5, Drinking Water, Unspecified Organic Contaminant (UOC) standard of 0.050 parts per million (ppm) or milligrams per liter (mg/L) and have impacted a number of off-Site property parcels.

The 2009 ROD stated that viable exposure pathways to fish and wildlife receptors from groundwater discharges to the Hudson River were not of concern due to the low volume of potential groundwater contamination emerging to the River and the River's waste assimilation capacity.

2.7 SELECTED REMEDIAL ALTERNATIVE

The remediation goals for the Site are to eliminate or reduce to the extent practicable:

1) The ingestion of groundwater with contaminant levels exceeding drinking water standards
2) The contact with volatiles and/or semi-volatiles, or inhalation of volatiles, from contaminated groundwater

The remediation goals for the Site also include attaining to the extent practicable:

1) Drinking water standards, based upon the potential to use groundwater as a drinking water source, for the Site-specific, regulated, UOCs
2) Restoration of the groundwater aquifer for the Site-related contaminants

In the 2009 ROD, NYSDEC selected institutional controls and monitoring as the remedy for OU-2 groundwater. The components of the selected remedy from the 2009 ROD include:

"1) A remedial design program will be implemented to provide the details necessary to determine the exact location and number of area properties impacted above the applicable SCGs and to provide additional information for the design of the monitoring program element of the proposed remedy.
2) Imposition of an institutional control (ICs) in the form of an environmental easement that will require (a) development and compliance with an approved site management plan (SMP); (b) if groundwater is to be utilized at the site for drinking water or process water, then an acceptable water supply alternative or the necessary water quality treatment as determined by NYSDOH for the Sterling Drug Site 3 related contaminants of concern will be provided; (c) the on-site property owner (NPEC) to complete and submit to the Department a periodic certification of the institutional and engineering controls; and (d) the on-site property owner (NPEC) will be required to enter into an order on consent

with the Department, to ensure the long term implementation, maintenance, monitoring and enforcement of the institutional controls for both the on and off-site areas.

3) Development of a site management plan which will include the following institutional and engineering controls: (a) management of the final cover system; (b) continued evaluation of the potential for vapor intrusion for any buildings developed on the site or in the area of the off-site groundwater contamination, including provision for mitigation of any impacts identified; (c) if groundwater contaminated with site related chemicals is to be utilized at the off-site property(s) for drinking water or process water, then an acceptable water supply alternative or the necessary water quality treatment as determined by NYSDOH will be provided; (d) monitoring of groundwater and soil vapor; (e) identification of any use restrictions on the site; (f) controlling site access where warranted; (g) provisions for the continued proper operation and maintenance of the components of the remedy.

4) The on-site property owner (NPEC) will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department states in writing that this certification is no longer needed. This submittal will: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the site; and (c) state that nothing has occurred that will impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the site management plan unless otherwise approved by the Department.

5) The operation of the components of the remedy will continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

6) In the event that an element(s) of the proposed remedy cannot be implemented, then alternative G5 [ex-situ groundwater treatment] will be implemented as the contingency remedy. A long-term monitoring program will be instituted. This program will provide the data and other information required to monitor the localized contaminant concentrations as well as the area wide contaminant migration and thus the need for groundwater point of use treatment and/or soil vapor mitigation. The monitoring program will be a component of the long-term management for the site."

3.0 FIELD ACTIVITIES

3.1 MONITORING WELL LOCATIONS

Five monitoring wells (MW-20B through MW-25B) were installed in OU-2 to further delineate the location and number of area properties impacted above the applicable SCGs and to provide additional information for the design of the monitoring program element of the proposed remedy.

The monitoring well locations, adjacent property owners and corresponding tax parcel numbers are presented on Figure 3.1. The locations of the five monitoring wells (MW-20B through MW-25B) are summarized below.

Monitoring well MW-20B was installed on the eastern side of the National Grid property west of American Oil Road (Riverside Avenue Extension), identified as tax parcel #165.-1-31.2. This groundwater monitoring location will further define the extent of the groundwater plume in the southern direction.

Monitoring well MW-21B was installed in the northwest corner of the NPEC property, identified as tax parcel #165.-1-25.1, adjacent to American Oil Road. This groundwater monitoring location will further define the extent of the groundwater plume in the western direction.

Monitoring well MW-22B was installed on the northern side of the National Grid property west of American Oil Road, identified as tax parcel #165.-1-31.2. This groundwater monitoring location will further define the extent of the groundwater plume in the western and southern directions.

Monitoring wells MW-23B and MW-24B were installed along the southern boundary of the National Gypsum Company property, identified as tax parcel #165.-1-34. These groundwater monitoring locations will further define the extent of the groundwater plume in the northern direction.

3.2 MONITORING WELL INSTALLATION

The boreholes and monitoring wells were completed by Nothnagle Drilling Inc. of Scottsville, New York under the supervision of Conestoga-Rovers & Associates (CRA) between August 27, 2012 and September 7, 2012. Prior to drilling the approximate

locations of the proposed monitoring wells and select property lines were surveyed by Clough Harbour and Associates LLC (CHA). Utility locates were completed prior to drilling.

The borehole for monitoring well MW-21B was initially advanced using 4 1/4-inch, hollow-stem augers. Due to difficulties in drilling through the wet sand, the monitoring well installation methodology was modified to incorporate wet rotary drilling and flush-joint casing. The alternate method allowed for improved monitoring well installation. Split-spoon samples were collected to provide stratigraphic descriptions of the encountered soils. Stratigraphic logs are presented in Appendix A.

The boreholes were completed as monitoring wells by installing a 2-inch diameter, Schedule 40 PVC riser attached to a 20-foot long, #10 slot, PVC screen. The borehole annulus was filled with sand from approximately one foot below the bottom of screen to 1.5 to 2.0 feet above the top of screen; and then a finer sand of approximately 0.5-foot thickness was placed above the filter pack. Approximately 2 feet of bentonite was placed above the fine sand. Cement-bentonite was placed above the bentonite to approximately 2 feet below ground surface. A lockable, aboveground protective casing was set in a concrete pad to a depth of two feet below ground surface. The location and reference elevation of the top of casing were surveyed. Well instrumentation logs are presented in Appendix A.

The monitoring wells were developed on September 10-11, 2012 by surging the water column in the wells using an electric pump. A minimum of 10 well volumes was removed from each new monitoring well during well development. Well development field readings are summarized in Appendix B.

Investigation-derived waste was containerized and staged at the OU-1 landfill. Collected water was allowed to percolate through the OU-1 fill materials, and borehole cuttings were placed under the cover system.

The Health and Safety Plan from the Work Plan was followed. Air monitoring results from a photoionization detector (PID) during drilling activities indicated that volatile emissions were minimal (97 percent of PID readings were 0 ppm with a maximum reading of 0.2 ppm). All of the air monitoring results were below the target criterion of 5 ppm. Dust monitoring readings ranged from 0.000 to 0.096 mg/m^3. All of the dust monitoring readings were below the target criterion of 0.150 mg/m^3. Community Air Monitoring Plan (CAMP) field readings are summarized in Appendix B.

3.3 GROUNDWATER MONITORING

Groundwater samples were collected from monitoring wells MW-20B to MW-24B on October 11, 2012, approximately one month after well development. The same wells were subsequently re-sampled on December 19 and 20, 2012. The groundwater samples were collected passively using pre-deployed, Snap Samplers at each monitoring well. A summary of the collected samples is presented in Table 3.1.

Water levels were measured from monitoring wells MW-20B to MW-24B on October 11, 2012 and from the same wells and the routine groundwater monitoring locations on December 19, 2012. Water levels were measured using a water level meter to the nearest 0.01 foot. The water levels from December 2012 are presented in Table 3.2.

The field parameters, electrical conductivity, pH, dissolved oxygen, oxidation-reduction potential, temperature and turbidity were measured for the recently installed monitoring wells after the Snap Sampler bottles were retrieved. The measured results for these field parameters are presented in Table 3.3.

Samples were placed in coolers immediately after collection and labeling, and cooled to approximately 4°C. Samples were delivered to TestAmerica Laboratories Inc. (TestAmerica) in Amherst, New York, a New York State-certified laboratory, by courier under chain-of-custody procedures in accordance with the QAPP. The collected groundwater samples were analyzed for Target Compound List (TCL) VOCs plus Site-specific parameters (ethyl ether, 2-methylthiophene and 3-methylthiophene), TCL SVOCs and SVOC TICs.

4.0 GROUNDWATER MONITORING RESULTS

4.1 GROUNDWATER LEVELS

Prior to sampling, water levels were measured at the five recently installed monitoring wells. The water level data from December 2012 are presented in Table 3.2. Based on these data, groundwater elevation contours were constructed and are presented on Figure 3.2.

The groundwater contours indicate that the groundwater flow direction in OU-2is generally to the northwest which is similar to the Phase I Preliminary Investigation, Phase II Remedial Investigation (RI), and previous biennial and semi-annual events.

4.2 GROUNDWATER QUALITY

Groundwater samples were analyzed for parameters listed in Section 3.3. An electronic copy of the laboratory report is presented in Appendix C, and CRA's data quality assessment and validation memoranda are presented in Appendix D.

A summary of the detected analytical results excluding unknown TICs is presented in Table 4.1. The detected groundwater results excluding unknown TICs are presented on Figure 4.1. For comparison purposes, the reported VOC and VOC TIC, and SVOC and SVOC TIC results for the samples collected from currently existing Site monitoring wells from June 2010 to December 2012 are included on Figures 4.2 and 4.3, respectively. TIC results for unknown constituents are not presented on Figures 4.2 and 4.3.

The majority of VOCs and SVOCs that were detected during the October 2012 monitoring event were from the groundwater sample collected from MW-21B that is located in the northwestern portion of the NPEC tax parcel #165.-1-25.1. No VOCs, SVOCs or specific TICs were reported for the sample from MW-24B. The VOCs and SVOCs that were detected during the October 2012 monitoring event included ethyl ether (1.3 mg/L) and acetone (0.013 mg/L) at MW-21B, and other VOC and SVOC constituents that were detected at low, estimated concentrations below the corresponding reporting limit. The reported low, estimated concentrations of SVOCs [polycyclic aromatic hydrocarbons (PAHs)] do not appear to be related to the Site as PAHs have not been identified as Site contaminants of concern and have not been detected historically on a consistent basis in OU-2 groundwater monitoring wells. Five other PAHs were also qualified as non-detect after data validation review.

VOC TICs and SVOC TICs, including mephobarbital, phenobarbital and talbutal, were reported only for the groundwater sample from MW-21B during the October 2012 monitoring event. All of the reported TIC results were below 0.050 mg/L.

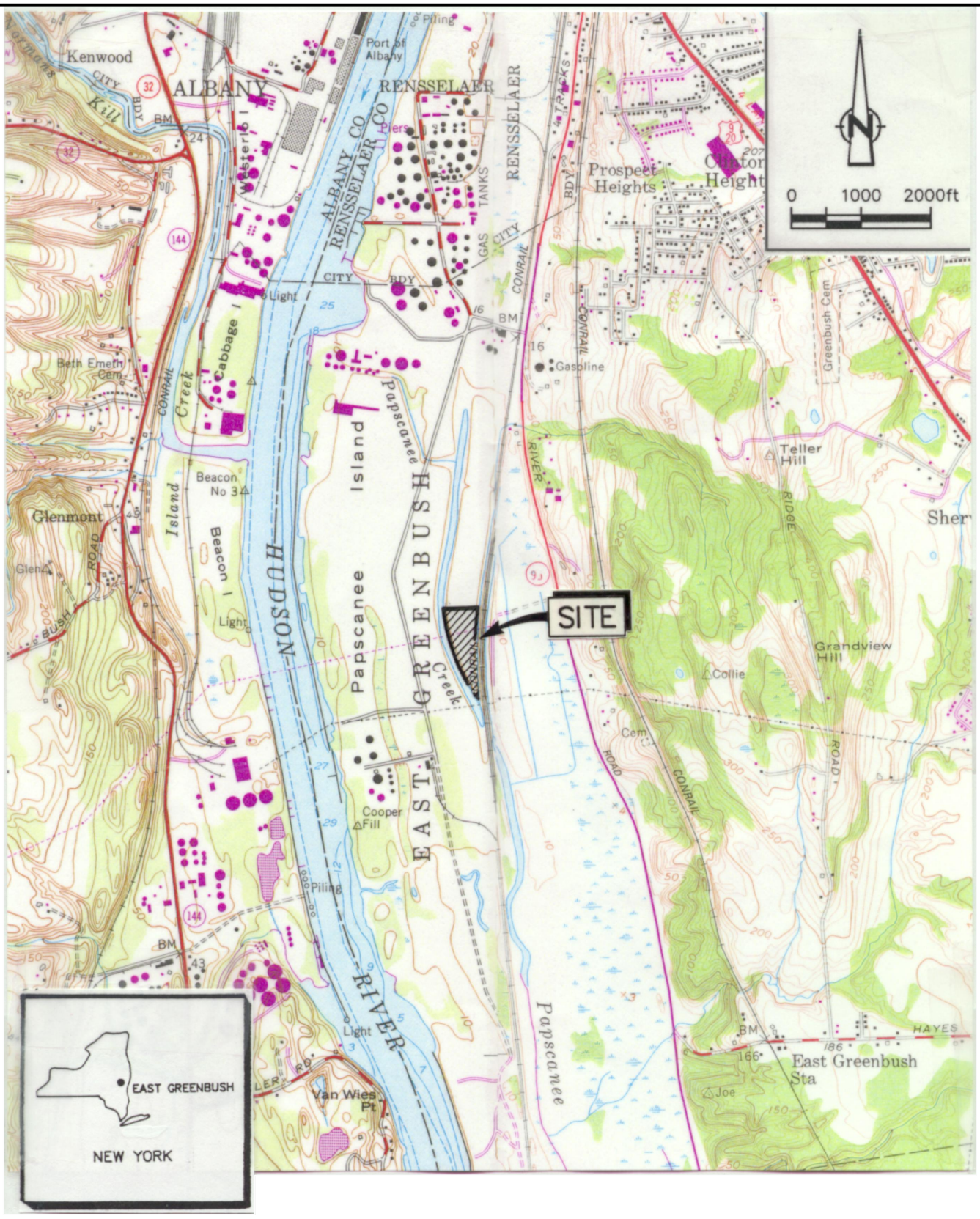
The majority of VOCs and SVOCs that were detected during the December 2012 monitoring event were from the groundwater sample collected from MW-21B. No VOCs, SVOCs or specific TICs were reported for the samples from MW-20B, MW-23B andMW-24B. The VOCs and SVOCs that were detected during the December 2012 monitoring event included ethyl ether (1.6 J mg/L), acetone (0.150 mg/L) and isopropyl alcohol (0.47 mg/L) at MW-21B; and other VOC and SVOC constituents that were detected at low, estimated concentrations below the corresponding reporting limit. No PAHs were reported in any of the samples collected in December 2012. The VOC TIC isopropyl alcohol was also reported for the sample from MW-22B. Other TIC results were reported at low levels, and all pharmaceutical related TIC compounds were below 0.050 mg/L.

The groundwater results are consistent with previous results for samples from other OU-2 monitoring wells in delineating properties that are potentially impacted by contaminants of concern above applicable SCGs.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of this remedial design work plan was to determine "the details necessary to determine the exact location and number of area properties impacted above the applicable SCGs and to provide additional information for the design of the monitoring program element of the proposed remedy". Based on the results as presented in Section 4.0, the following observations are made:

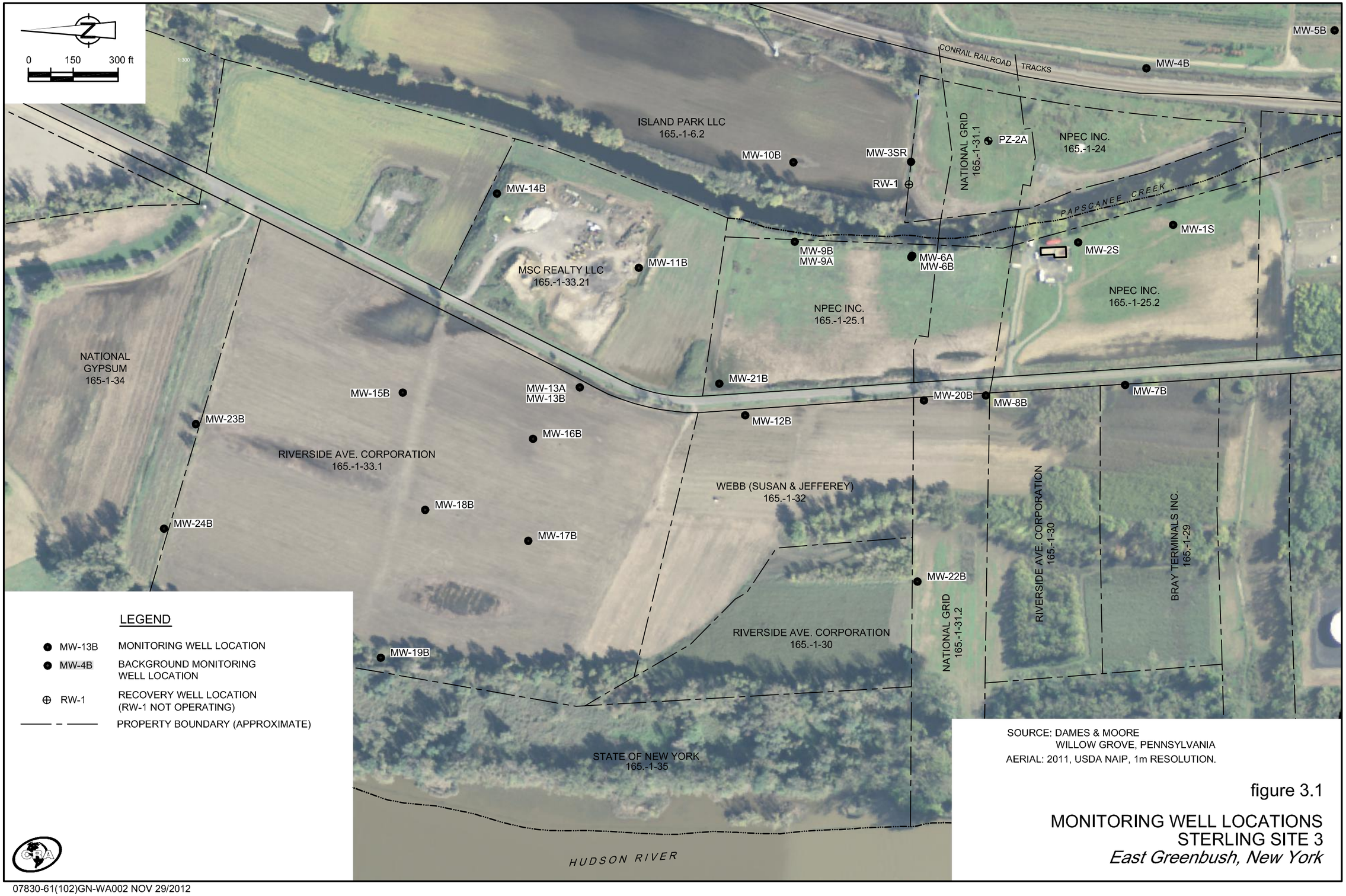
- Ethyl ether (1.3 mg/L) and acetone (0.013 mg/L) were detected in the groundwater sample from MW-21B during the October 2012 monitoring event. During the December 2012 monitoring event, ethyl ether (1.6 J mg/L), acetone (0.150 mg/L) and isopropyl alcohol (0.470 mg/L) were detected in the groundwater sample from MW-21B.
- All other reported VOC and SVOC results were low, estimated concentrations below the reporting limit. TIC results were also reported at low levels, and all pharmaceutical related TIC compounds were below 0.050 mg/L.
- The analytical results of the October and December 2012 groundwater monitoring events are generally consistent with previous conceptual models of the site. Based on the available information, portions of the following tax parcels have or are presumed to have groundwater impacts of Site contaminants of concern above SCGs:
    - Tax parcel #165.-1-6.2
    - Tax parcel #165.-1-25.1
    - Tax parcel #165.-1-25.2
    - Tax parcel #165.-1-30
    - Tax parcel #165.-1-32
    - Tax parcel #165.-1-33.1
    - Tax parcel #165.-1-33.21



SOURCE:
U.S.G.S. TOPOGRAPHIC MAP QUADRANGLE
DELMAR AND EAST GREENBUSH, N.Y.

figure 1.1

SITE LOCATION
STERLING SITE 3
East Greenbush, New York

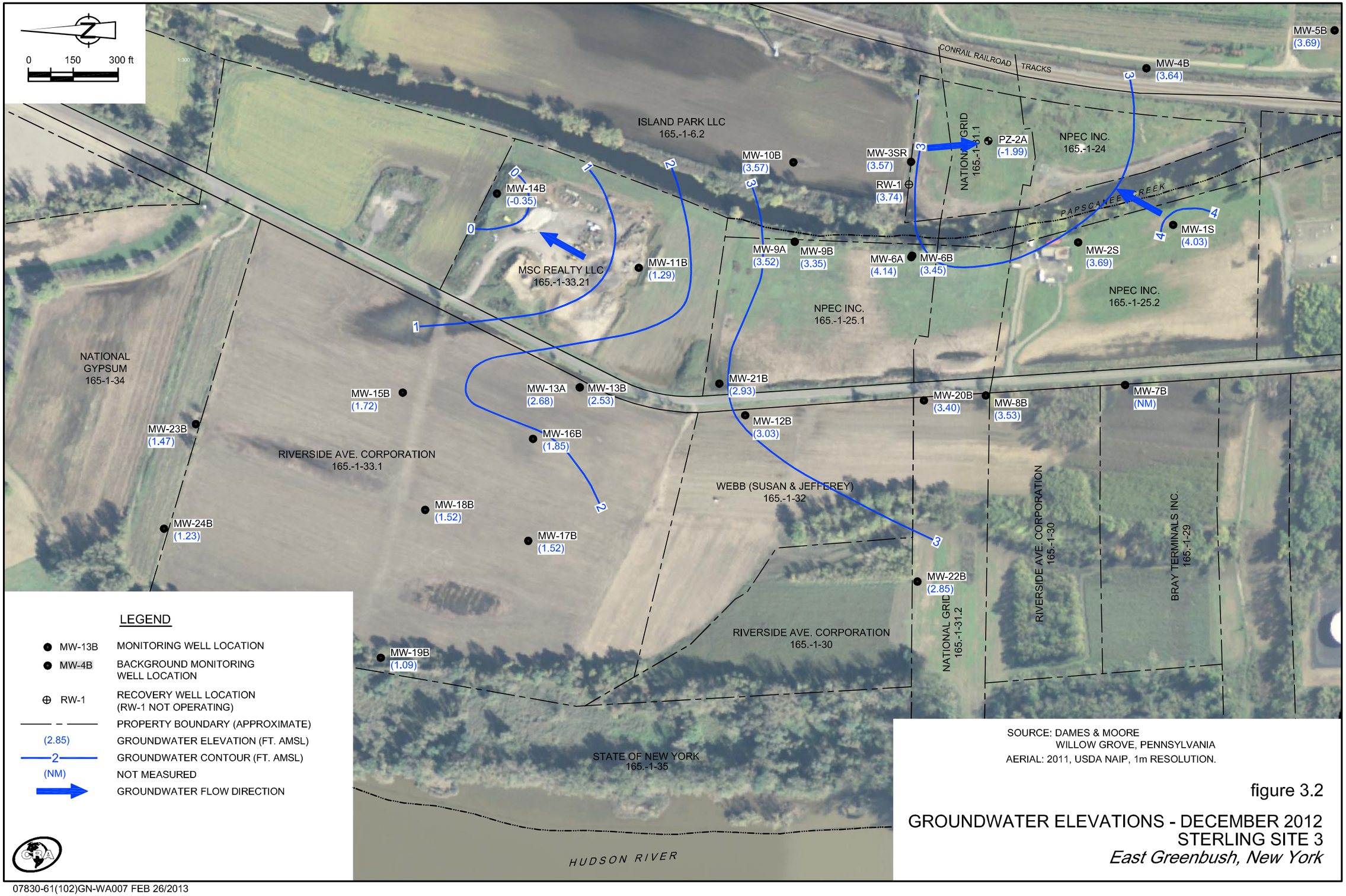


SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

figure 3.1

MONITORING WELL LOCATIONS
STERLING SITE 3
East Greenbush, New York

07830-61(102)GN-WA002 NOV 29/2012

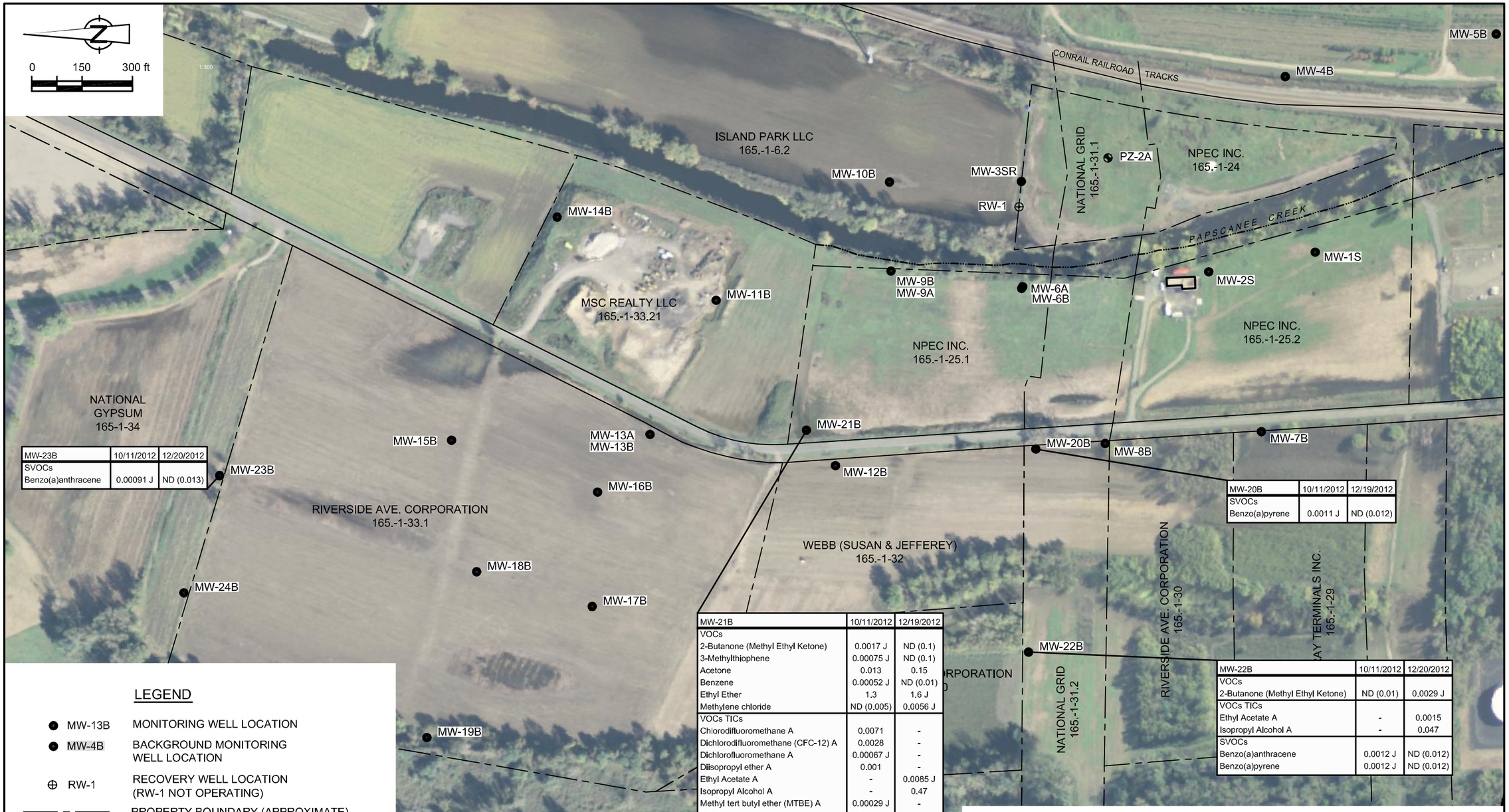


SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

figure 3.2

GROUNDWATER ELEVATIONS - DECEMBER 2012
STERLING SITE 3
East Greenbush, New York

07830-61(102)GN-WA007 FEB 26/2013



MW-23B	10/11/2012	12/20/2012
SVOCs		
Benzo(a)anthracene	0.00091 J	ND (0.013)

MW-20B	10/11/2012	12/19/2012
SVOCs		
Benzo(a)pyrene	0.0011 J	ND (0.012)

MW-21B	10/11/2012	12/19/2012
VOCs		
2-Butanone (Methyl Ethyl Ketone)	0.0017 J	ND (0.1)
3-Methylthiophene	0.00075 J	ND (0.1)
Acetone	0.013	0.15
Benzene	0.00052 J	ND (0.01)
Ethyl Ether	1.3	1.6 J
Methylene chloride	ND (0.005)	0.0056 J
VOCs TICs		
Chlorodifluoromethane A	0.0071	-
Dichlorodifluoromethane (CFC-12) A	0.0028	-
Dichlorofluoromethane A	0.00067 J	-
Diisopropyl ether A	0.001	-
Ethyl Acetate A	-	0.0085 J
Isopropyl Alcohol A	-	0.47
Methyl tert butyl ether (MTBE) A	0.00029 J	-
tert-Butyl alcohol A	0.015 J	-
SVOCs		
4-Methylphenol	ND (0.024)	0.0061 J
Benzo(a)anthracene	0.0013 J	ND (0.012)
Benzo(a)pyrene	0.0011 J	ND (0.012)
SVOCs TICs		
4-Hydroxy-benzaldehyde A	-	0.012 TJN
Benzeneacetic acid A	-	0.069 TJN
Benzenepropanoic acid A	-	0.03 TJN
Mephobarbital A	0.031 TJN	-
Noramidopyrine A	0.026 TJN	-
Phenobarbital A	0.045 TJN	-
Talbutal A	0.041 TJN	0.035 TJN
Vanillin A	-	0.034 TJN

MW-22B	10/11/2012	12/20/2012
VOCs		
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	0.0029 J
VOCs TICs		
Ethyl Acetate A	-	0.0015
Isopropyl Alcohol A	-	0.047
SVOCs		
Benzo(a)anthracene	0.0012 J	ND (0.012)
Benzo(a)pyrene	0.0012 J	ND (0.012)

LEGEND

- MW-13B — MONITORING WELL LOCATION
- MW-4B — BACKGROUND MONITORING WELL LOCATION
- RW-1 — RECOVERY WELL LOCATION (RW-1 NOT OPERATING)
- PROPERTY BOUNDARY (APPROXIMATE)

MW-24B	10/11/2012	← SAMPLE LOCATION / SAMPLE DATE
SVOCs		
Dibenz(a,h)anthracene	0.0072 J	← RESULT (mg/L) / PARAMETER

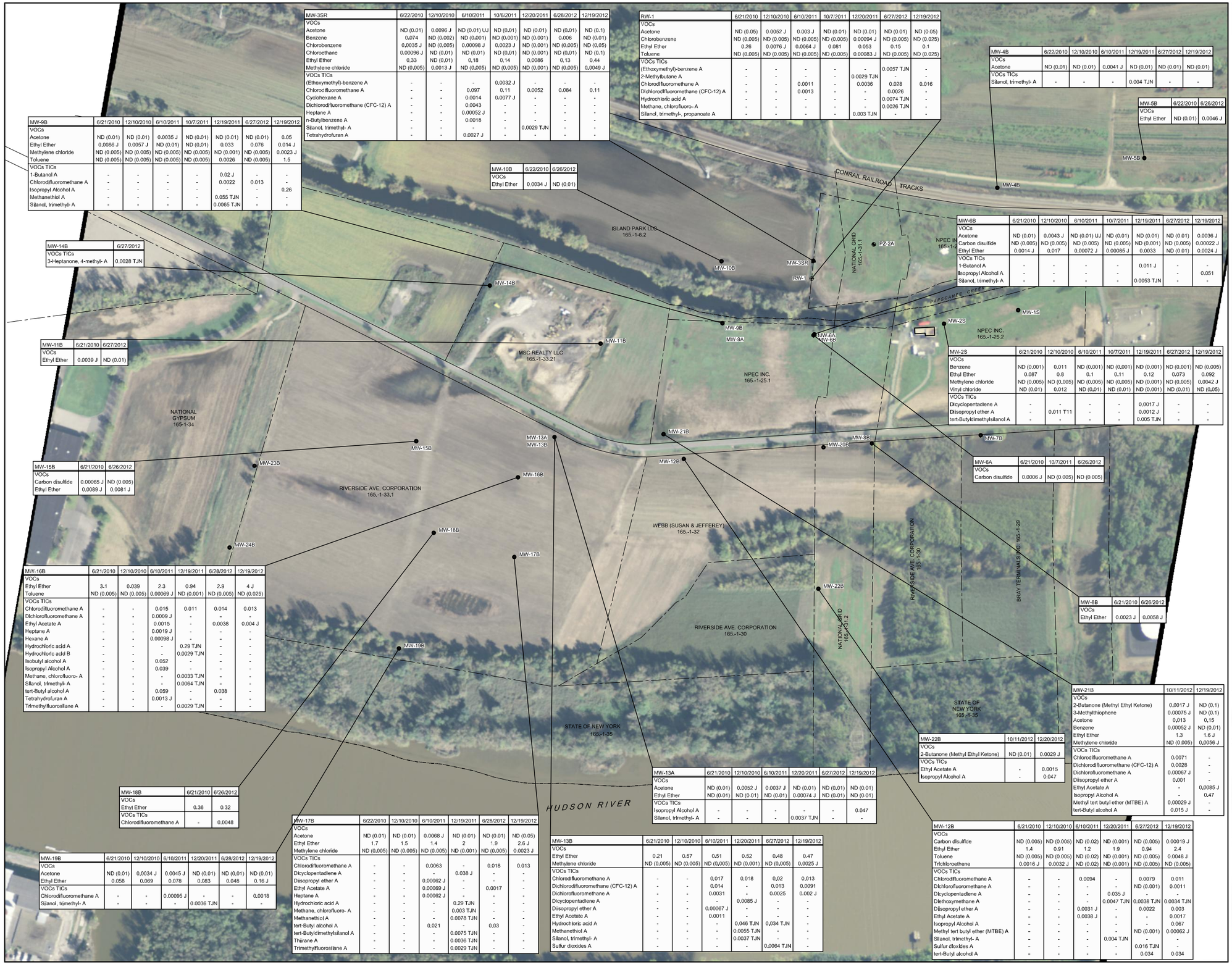
J — ESTIMATED

SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

figure 4.1

SUMMARY OF DETECTED GROUNDWATER RESULTS - OCTOBER AND DECEMBER 2012
STERLING SITE 3
East Greenbush, New York

07830-61(102)GN-WA004 DEC 3/2012



MW-3SR	6/22/2010	12/10/2010	6/10/2011	10/6/2011	12/20/2011	6/28/2012	12/19/2012
VOCs							
Acetone	ND (0.01)	0.0096 J	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.1)
Benzene	0.074	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	0.006	ND (0.01)
Chlorobenzene	0.0035 J	ND (0.005)	0.00098 J	0.0023 J	ND (0.001)	ND (0.005)	ND (0.05)
Chloroethane	0.00096 J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.1)
Ethyl Ether	0.33	ND (0.01)	0.18	0.14	0.0086	0.13	0.44
Methylene chloride	ND (0.005)	0.0013 J	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.0049 J
VOCs TICs							
(Ethoxymethyl)-benzene A	-	-	-	0.0032 J	-	-	-
Chlorodifluoromethane A	-	-	0.097	0.11	0.0052	0.084	0.11
Cyclohexane A	-	-	0.0014	0.0077 J	-	-	-
Dichlorodifluoromethane (CFC-12) A	-	-	0.0043	-	-	-	-
Heptane A	-	-	0.00052 J	-	-	-	-
n-Butylbenzene A	-	-	0.0018	-	-	-	-
Silanol, trimethyl- A	-	-	-	-	0.0029 TJN	-	-
Tetrahydrofuran A	-	-	0.0027 J	-	-	-	-

RW-1	6/21/2010	12/10/2010	6/10/2011	10/7/2011	12/20/2011	6/27/2012	12/19/2012
VOCs							
Acetone	ND (0.05)	0.0052 J	0.003 J	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.05)
Chlorobenzene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.00094 J	ND (0.005)	ND (0.025)
Ethyl Ether	0.26	0.0076 J	0.0064 J	0.081	0.053	0.15	0.1
Toluene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.00083 J	ND (0.005)	ND (0.025)
VOCs TICs							
(Ethoxymethyl)-benzene A	-	-	-	-	-	0.0057 TJN	-
2-Methylbutane A	-	-	-	-	0.0029 TJN	-	-
Chlorodifluoromethane A	-	-	0.0011	-	0.0036	0.028	0.016
Dichlorodifluoromethane (CFC-12) A	-	-	0.0013	-	-	0.0026	-
Hydrochloric acid A	-	-	-	-	-	0.0074 TJN	-
Methane, chlorofluoro- A	-	-	-	-	-	0.0026 TJN	-
Silanol, trimethyl-, propanoate A	-	-	-	-	0.003 TJN	-	-

MW-4B	6/22/2010	12/10/2010	6/10/2011	12/19/2011	6/27/2012	12/19/2012
VOCs						
Acetone	ND (0.01)	ND (0.01)	0.0041 J	ND (0.01)	ND (0.01)	ND (0.01)
VOCs TICs						
Silanol, trimethyl- A	-	-	-	0.004 TJN	-	-

MW-5B	6/22/2010	6/26/2012
VOCs		
Ethyl Ether	ND (0.01)	0.0046 J

MW-9B	6/21/2010	12/10/2010	6/10/2011	10/7/2011	12/19/2011	6/27/2012	12/19/2012
VOCs							
Acetone	ND (0.01)	ND (0.01)	0.0035 J	ND (0.01)	ND (0.01)	ND (0.01)	0.05
Ethyl Ether	0.0086 J	0.0057 J	ND (0.01)	ND (0.01)	0.033	0.076	0.014 J
Methylene chloride	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.0023 J
Toluene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.0026	ND (0.005)	1.5
VOCs TICs							
1-Butanol A	-	-	-	-	0.02 J	-	-
Chlorodifluoromethane A	-	-	-	-	0.0022	0.013	-
Isopropyl Alcohol A	-	-	-	-	-	-	0.26
Methanethiol A	-	-	-	-	0.055 TJN	-	-
Silanol, trimethyl- A	-	-	-	-	0.0065 TJN	-	-

MW-10B	6/22/2010	6/26/2012
VOCs		
Ethyl Ether	0.0034 J	ND (0.01)

MW-14B	6/27/2012
VOCs TICs	
3-Heptanone, 4-methyl- A	0.0028 TJN

MW-6B	6/21/2010	12/10/2010	6/10/2011	10/7/2011	12/19/2011	6/27/2012	12/19/2012
VOCs							
Acetone	ND (0.01)	0.0043 J	ND (0.01) UJ	ND (0.01)	ND (0.01)	ND (0.01)	0.0036 J
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.00022 J
Ethyl Ether	0.0014 J	0.017	0.00072 J	0.00085 J	0.0033	ND (0.01)	0.0024 J
VOCs TICs							
1-Butanol A	-	-	-	-	0.011 J	-	-
Isopropyl Alcohol A	-	-	-	-	-	-	0.051
Silanol, trimethyl- A	-	-	-	-	0.0053 TJN	-	-

MW-2S	6/21/2010	12/10/2010	6/10/2011	10/7/2011	12/19/2011	6/27/2012	12/19/2012
VOCs							
Benzene	ND (0.001)	0.011	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)
Ethyl Ether	0.087	0.8	0.1	0.11	0.12	0.073	0.092
Methylene chloride	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.0042 J
Vinyl chloride	ND (0.01)	0.012	ND (0.01)	ND (0.01)	ND (0.001)	ND (0.01)	ND (0.05)
VOCs TICs							
Dicyclopentadiene A	-	-	-	-	0.0017 J	-	-
Diisopropyl ether A	-	0.011 T11	-	-	0.0012 J	-	-
tert-Butyldimethylsilanol A	-	-	-	-	0.005 TJN	-	-

MW-11B	6/21/2010	6/27/2012
VOCs		
Ethyl Ether	0.0039 J	ND (0.01)

MW-15B	6/21/2010	6/26/2012
VOCs		
Carbon disulfide	0.00065 J	ND (0.005)
Ethyl Ether	0.0089 J	0.0081 J

MW-6A	6/21/2010	10/7/2011	6/26/2012
VOCs			
Carbon disulfide	0.0006 J	ND (0.005)	ND (0.005)

MW-16B	6/21/2010	12/10/2010	6/10/2011	12/19/2011	6/28/2012	12/19/2012
VOCs						
Ethyl Ether	3.1	0.039	2.3	0.94	2.9	4 J
Toluene	ND (0.005)	ND (0.005)	0.00069 J	ND (0.001)	ND (0.005)	ND (0.025)
VOCs TICs						
Chlorodifluoromethane A	-	-	0.015	0.011	0.014	0.013
Dichlorofluoromethane A	-	-	0.0009 J	-	-	-
Ethyl Acetate A	-	-	0.0015	-	0.0038	0.004 J
Heptane A	-	-	0.0019 J	-	-	-
Hexane A	-	-	0.00098 J	-	-	-
Hydrochloric acid A	-	-	-	0.29 TJN	-	-
Hydrochloric acid B	-	-	-	0.0029 TJN	-	-
Isobutyl alcohol A	-	-	0.052	-	-	-
Isopropyl Alcohol A	-	-	0.039	-	-	-
Methane, chlorofluoro- A	-	-	-	0.0033 TJN	-	-
Silanol, trimethyl- A	-	-	-	0.0064 TJN	-	-
tert-Butyl alcohol A	-	-	0.059	-	0.038	-
Tetrahydrofuran A	-	-	0.0013 J	-	-	-
Trimethylfluorosilane A	-	-	-	0.0029 TJN	-	-

MW-8B	6/21/2010	6/26/2012
VOCs		
Ethyl Ether	0.0023 J	0.0058 J

MW-22B	10/11/2012	12/20/2012
VOCs		
2-Butanone (Methyl Ethyl Ketone)	ND (0.01)	0.0029 J
VOCs TICs		
Ethyl Acetate A	-	0.0015
Isopropyl Alcohol A	-	0.047

MW-21B	10/11/2012	12/19/2012
VOCs		
2-Butanone (Methyl Ethyl Ketone)	0.0017 J	ND (0.1)
3-Methylthiophene	0.00075 J	ND (0.1)
Acetone	0.013	0.15
Benzene	0.00052 J	ND (0.01)
Ethyl Ether	1.3	1.6 J
Methylene chloride	ND (0.005)	0.0056 J
VOCs TICs		
Chlorodifluoromethane A	0.0071	-
Dichlorodifluoromethane (CFC-12) A	0.0028	-
Dichlorofluoromethane A	0.00067 J	-
Diisopropyl ether A	0.001	-
Ethyl Acetate A	-	0.0085 J
Isopropyl Alcohol A	-	0.47
Methyl tert butyl ether (MTBE) A	0.00029 J	-
tert-Butyl alcohol A	0.015 J	-

MW-13A	6/21/2010	12/10/2010	6/10/2011	12/20/2011	6/27/2012	12/19/2012
VOCs						
Acetone	ND (0.01)	0.0052 J	0.0037 J	ND (0.01)	ND (0.01)	ND (0.01)
Ethyl Ether	ND (0.01)	ND (0.01)	ND (0.01)	0.00074 J	ND (0.01)	ND (0.01)
VOCs TICs						
Isopropyl Alcohol A	-	-	-	-	-	0.047
Silanol, trimethyl- A	-	-	-	0.0037 TJN	-	-

MW-13B	6/21/2010	12/10/2010	6/10/2011	12/20/2011	6/27/2012	12/19/2012
VOCs						
Ethyl Ether	0.21	0.57	0.51	0.52	0.48	0.47
Methylene chloride	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.0025 J
VOCs TICs						
Chlorodifluoromethane A	-	-	0.017	0.018	0.02	0.013
Dichlorodifluoromethane (CFC-12) A	-	-	0.014	-	0.013	0.0091
Dichlorofluoromethane A	-	-	0.0031	-	0.0025	0.002 J
Dicyclopentadiene A	-	-	-	0.0085 J	-	-
Diisopropyl ether A	-	-	0.00067 J	-	-	-
Ethyl Acetate A	-	-	0.0011	-	-	-
Hydrochloric acid A	-	-	-	0.046 TJN	0.034 TJN	-
Methanethiol A	-	-	-	0.0055 TJN	-	-
Silanol, trimethyl- A	-	-	-	0.0037 TJN	-	-
Sulfur dioxides A	-	-	-	-	0.0064 TJN	-

MW-17B	6/22/2010	12/10/2010	6/10/2011	12/19/2011	6/28/2012	12/19/2012
VOCs						
Acetone	ND (0.01)	ND (0.01)	0.0068 J	ND (0.01)	ND (0.01)	ND (0.05)
Ethyl Ether	1.7	1.5	1.4	2	1.9	2.6 J
Methylene chloride	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.005)	0.0023 J
VOCs TICs						
Chlorodifluoromethane A	-	-	0.0063	-	0.018	0.013
Dicyclopentadiene A	-	-	-	0.038 J	-	-
Diisopropyl ether A	-	-	0.00062 J	-	-	-
Ethyl Acetate A	-	-	0.00069 J	-	0.0017	-
Heptane A	-	-	0.00062 J	-	-	-
Hydrochloric acid A	-	-	-	0.29 TJN	-	-
Methane, chlorofluoro- A	-	-	-	0.003 TJN	-	-
Methanethiol A	-	-	-	0.0078 TJN	-	-
tert-Butyl alcohol A	-	-	0.021	-	0.03	-
tert-Butyldimethylsilanol A	-	-	-	0.0075 TJN	-	-
Thiirane A	-	-	-	0.0036 TJN	-	-
Trimethylfluorosilane A	-	-	-	0.0029 TJN	-	-

MW-18B	6/21/2010	6/26/2012
VOCs		
Ethyl Ether	0.36	0.32
VOCs TICs		
Chlorodifluoromethane A	-	0.0048

MW-19B	6/21/2010	12/10/2010	6/10/2011	12/20/2011	6/28/2012	12/19/2012
VOCs						
Acetone	ND (0.01)	0.0034 J	0.0045 J	ND (0.01)	ND (0.01)	ND (0.01)
Ethyl Ether	0.058	0.069	0.078	0.083	0.048	0.16 J
VOCs TICs						
Chlorodifluoromethane A	-	-	0.00095 J	-	-	0.0018
Silanol, trimethyl- A	-	-	-	0.0036 TJN	-	-

MW-12B	6/21/2010	12/10/2010	6/10/2011	12/20/2011	6/27/2012	12/19/2012
VOCs						
Carbon disulfide	ND (0.005)	ND (0.005)	ND (0.02)	ND (0.001)	ND (0.005)	0.00019 J
Ethyl Ether	1.4	0.91	1.2	1.9	0.94	2.4
Toluene	ND (0.005)	ND (0.005)	ND (0.02)	ND (0.001)	ND (0.005)	0.0048 J
Trichloroethene	0.0016 J	0.0032 J	ND (0.02)	ND (0.001)	ND (0.005)	ND (0.005)
VOCs TICs						
Chlorodifluoromethane A	-	-	0.0094	-	0.0079	0.011
Dichlorofluoromethane A	-	-	-	-	ND (0.001)	0.0011
Dicyclopentadiene A	-	-	-	0.035 J	-	-
Diethoxymethane A	-	-	-	0.0047 TJN	0.0038 TJN	0.0034 TJN
Diisopropyl ether A	-	-	0.0031 J	-	0.0022	0.003
Ethyl Acetate A	-	-	0.0038 J	-	-	0.0017
Isopropyl Alcohol A	-	-	-	-	-	0.067
Methyl tert butyl ether (MTBE) A	-	-	-	-	ND (0.001)	0.00062 J
Silanol, trimethyl- A	-	-	-	0.004 TJN	-	-
Sulfur dioxides A	-	-	-	-	0.016 TJN	-
tert-Butyl alcohol A	-	-	-	-	0.034	0.034

0 100 200ft

LEGEND

- MW-13B MONITORING WELL LOCATION
- MW-4B BACKGROUND MONITORING WELL LOCATION
- ⊕ RW-1 RECOVERY WELL LOCATION (RW-1 NOT OPERATING)
- PROPERTY BOUNDARY (APPROXIMATE)

MW-14B	6/27/2012
VOCs TICs	
3-Heptanone, 4-methyl- A	0.0028 TJN

SAMPLE LOCATION
SAMPLE DATE
RESULT (mg/L)
PARAMETER

J ESTIMATED
TJ PRESUMPTIVELY PRESENT, ESTIMATED CONCENTRATION
TJN PRESUMPTIVELY PRESENT, ESTIMATED CONCENTRATION

SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

STERLING SITE 3

EAST GREENBUSH, NEW YORK

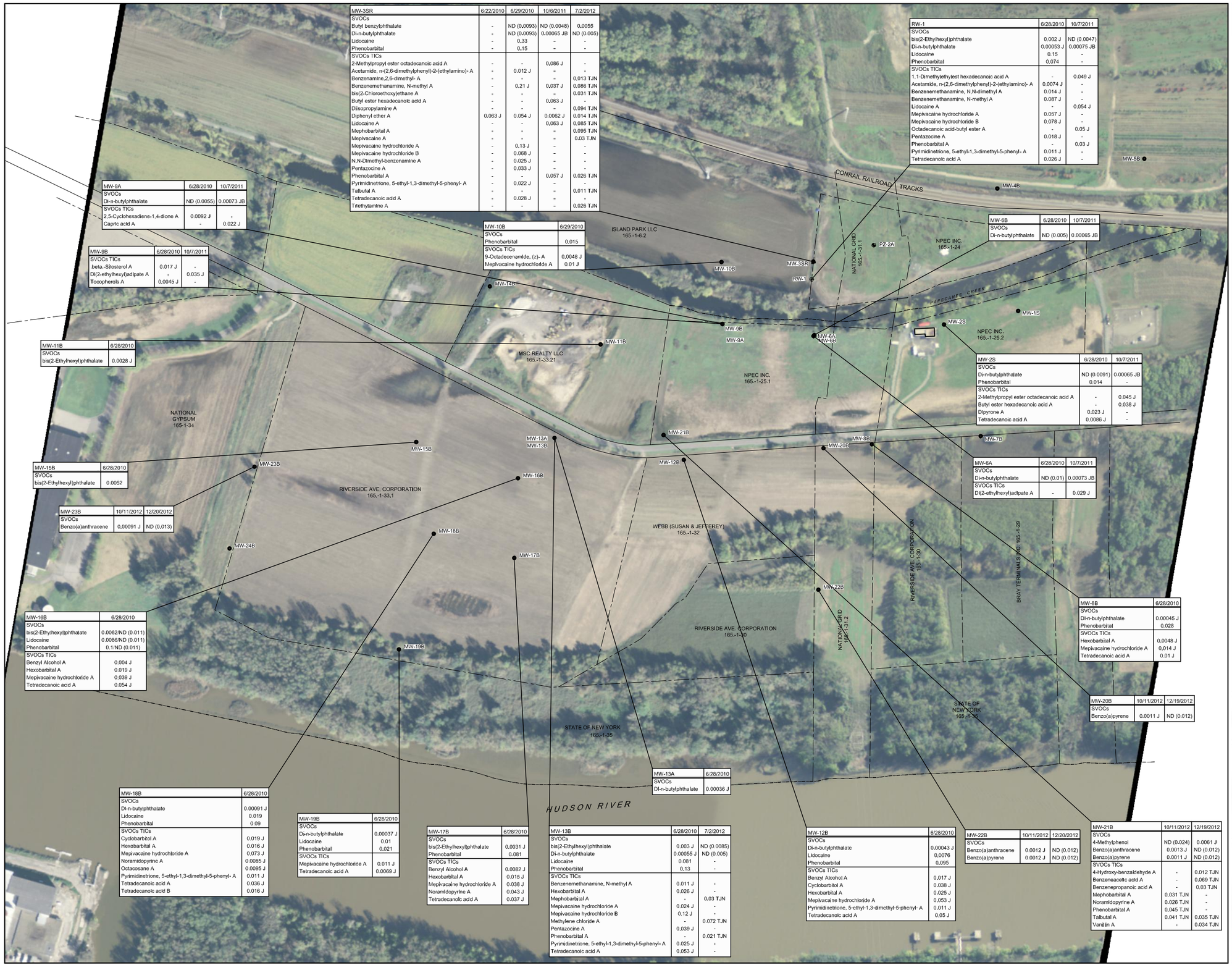
SUMMARY OF DETECTED VOCs AND TICs GROUNDWATER RESULTS - JUNE 2010 TO DECEMBER 2012

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date: DECEMBER 2012	
Scale: 1:200	Project No: 07830-61	Report No: 102	Drawing No: figure 4.2

07830-61(102)GN-WA005 FEB 26/2013



MW-3SR	6/22/2010	6/29/2010	10/6/2011	7/2/2012
SVOCs				
Butyl benzylphthalate	-	ND (0.0093)	ND (0.0048)	0.0055
Di-n-butylphthalate	-	ND (0.0093)	0.00065 JB	ND (0.005)
Lidocaine	-	0.33	-	-
Phenobarbital	-	0.15	-	-
SVOCs TICs				
2-Methylpropyl ester octadecanoic acid A	-	-	0.086 J	-
Acetamide, n-(2,6-dimethylphenyl)-2-(ethylamino)- A	-	0.012 J	-	-
Benzenamine,2,6-dimethyl- A	-	-	-	0.013 TJN
Benzenemethanamine, N-methyl A	-	0.21 J	0.037 J	0.086 TJN
bis(2-Chloroethoxy)ethane A	-	-	-	0.031 TJN
Butyl ester hexadecanoic acid A	-	-	0.063 J	-
Diisopropylamine A	-	-	-	0.094 TJN
Diphenyl ether A	0.063 J	0.054 J	0.0062 J	0.014 TJN
Lidocaine A	-	-	0.063 J	0.085 TJN
Mephobarbital A	-	-	-	0.095 TJN
Mepivacaine A	-	-	-	0.03 TJN
Mepivacaine hydrochloride A	-	0.13 J	-	-
Mepivacaine hydrochloride B	-	0.068 J	-	-
N,N-Dimethyl-benzenamine A	-	0.025 J	-	-
Pentazocine A	-	0.033 J	-	-
Phenobarbital A	-	-	0.057 J	0.026 TJN
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	-	0.022 J	-	-
Talbutal A	-	-	-	0.011 TJN
Tetradecanoic acid A	-	0.028 J	-	-
Triethylamine A	-	-	-	0.026 TJN

RW-1	6/28/2010	10/7/2011
SVOCs		
bis(2-Ethylhexyl)phthalate	0.002 J	ND (0.0047)
Di-n-butylphthalate	0.00053 J	0.00075 JB
Lidocaine	0.15	-
Phenobarbital	0.074	-
SVOCs TICs		
1,1-Dimethylethylest hexadecanoic acid A	-	0.049 J
Acetamide, n-(2,6-dimethylphenyl)-2-(ethylamino)- A	0.0074 J	-
Benzenemethanamine, N,N-dimethyl A	0.014 J	-
Benzenemethanamine, N-methyl A	0.087 J	-
Lidocaine A	-	0.054 J
Mepivacaine hydrochloride A	0.057 J	-
Mepivacaine hydrochloride B	0.078 J	-
Octadecanoic acid-butyl ester A	-	0.05 J
Pentazocine A	0.018 J	-
Phenobarbital A	-	0.03 J
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	0.011 J	-
Tetradecanoic acid A	0.026 J	-

MW-9A	6/28/2010	10/7/2011
SVOCs		
Di-n-butylphthalate	ND (0.0055)	0.00073 JB
SVOCs TICs		
2,5-Cyclohexadiene-1,4-dione A	0.0092 J	-
Capric acid A	-	0.022 J

MW-10B	6/29/2010
SVOCs	
Phenobarbital	0.015
SVOCs TICs	
9-Octadecenamide, (z)- A	0.0048 J
Mepivacaine hydrochloride A	0.01 J

MW-6B	6/28/2010	10/7/2011
SVOCs		
Di-n-butylphthalate	ND (0.005)	0.00065 JB

MW-6B	6/28/2010	10/7/2011
SVOCs TICs		
.beta.-Sitosterol A	0.017 J	-
Di(2-ethylhexyl)adipate A	-	0.035 J
Tocopherols A	0.0045 J	-

MW-11B	6/28/2010
SVOCs	
bis(2-Ethylhexyl)phthalate	0.0028 J

MW-2S	6/28/2010	10/7/2011
SVOCs		
Di-n-butylphthalate	ND (0.0091)	0.00065 JB
Phenobarbital	0.014	-
SVOCs TICs		
2-Methylpropyl ester octadecanoic acid A	-	0.045 J
Butyl ester hexadecanoic acid A	-	0.038 J
Dipyrone A	0.023 J	-
Tetradecanoic acid A	0.0086 J	-

MW-15B	6/28/2010
SVOCs	
bis(2-Ethylhexyl)phthalate	0.0052

MW-6A	6/28/2010	10/7/2011
SVOCs		
Di-n-butylphthalate	ND (0.01)	0.00073 JB
SVOCs TICs		
Di(2-ethylhexyl)adipate A	-	0.029 J

MW-23B	10/11/2012	12/20/2012
SVOCs		
Benzo(a)anthracene	0.00091 J	ND (0.013)

MW-8B	6/28/2010
SVOCs	
Di-n-butylphthalate	0.00045 J
Phenobarbital	0.028
SVOCs TICs	
Hexobarbital A	0.0048 J
Mepivacaine hydrochloride A	0.014 J
Tetradecanoic acid A	0.01 J

MW-16B	6/28/2010
SVOCs	
bis(2-Ethylhexyl)phthalate	0.0062/ND (0.011)
Lidocaine	0.0086/ND (0.011)
Phenobarbital	0.1/ND (0.011)
SVOCs TICs	
Benzyl Alcohol A	0.004 J
Hexobarbital A	0.019 J
Mepivacaine hydrochloride A	0.039 J
Tetradecanoic acid A	0.054 J

MW-20B	10/11/2012	12/19/2012
SVOCs		
Benzo(a)pyrene	0.0011 J	ND (0.012)

MW-13A	6/28/2010
SVOCs	
Di-n-butylphthalate	0.00036 J

MW-18B	6/28/2010
SVOCs	
Di-n-butylphthalate	0.00091 J
Lidocaine	0.019
Phenobarbital	0.09
SVOCs TICs	
Cyclobarbitol A	0.019 J
Hexobarbital A	0.016 J
Mepivacaine hydrochloride A	0.073 J
Noramidopyrine A	0.0085 J
Octacosane A	0.0095 J
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	0.011 J
Tetradecanoic acid A	0.036 J
Tetradecanoic acid B	0.016 J

MW-19B	6/28/2010
SVOCs	
Di-n-butylphthalate	0.00037 J
Lidocaine	0.01
Phenobarbital	0.021
SVOCs TICs	
Mepivacaine hydrochloride A	0.011 J
Tetradecanoic acid A	0.0069 J

MW-17B	6/28/2010
SVOCs	
bis(2-Ethylhexyl)phthalate	0.0031 J
Phenobarbital	0.081
SVOCs TICs	
Benzyl Alcohol A	0.0082 J
Hexobarbital A	0.015 J
Mepivacaine hydrochloride A	0.038 J
Noramidopyrine A	0.043 J
Tetradecanoic acid A	0.037 J

MW-13B	6/28/2010	7/2/2012
SVOCs		
bis(2-Ethylhexyl)phthalate	0.003 J	ND (0.0085)
Di-n-butylphthalate	0.00055 J	ND (0.005)
Lidocaine	0.081	-
Phenobarbital	0.13	-
SVOCs TICs		
Benzenemethanamine, N-methyl A	0.011 J	-
Hexobarbital A	0.026 J	-
Mephobarbital A	-	0.03 TJN
Mepivacaine hydrochloride A	0.024 J	-
Mepivacaine hydrochloride B	0.12 J	-
Methylene chloride A	-	0.072 TJN
Pentazocine A	0.039 J	-
Phenobarbital A	-	0.021 TJN
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	0.025 J	-
Tetradecanoic acid A	0.053 J	-

MW-12B	6/28/2010
SVOCs	
Di-n-butylphthalate	0.00043 J
Lidocaine	0.0076
Phenobarbital	0.095
SVOCs TICs	
Benzyl Alcohol A	0.017 J
Cyclobarbitol A	0.038 J
Hexobarbital A	0.025 J
Mepivacaine hydrochloride A	0.053 J
Pyrimidinetrione, 5-ethyl-1,3-dimethyl-5-phenyl- A	0.011 J
Tetradecanoic acid A	0.05 J

MW-22B	10/11/2012	12/20/2012
SVOCs		
Benzo(a)anthracene	0.0012 J	ND (0.012)
Benzo(a)pyrene	0.0012 J	ND (0.012)

MW-21B	10/11/2012	12/19/2012
SVOCs		
4-Methylphenol	ND (0.024)	0.0061 J
Benzo(a)anthracene	0.0013 J	ND (0.012)
Benzo(a)pyrene	0.0011 J	ND (0.012)
SVOCs TICs		
4-Hydroxy-benzaldehyde A	-	0.012 TJN
Benzeneacetic acid A	-	0.069 TJN
Benzenepropanoic acid A	-	0.03 TJN
Mephobarbital A	0.031 TJN	-
Noramidopyrine A	0.026 TJN	-
Phenobarbital A	0.045 TJN	-
Talbutal A	0.041 TJN	0.035 TJN
Vanillin A	-	0.034 TJN

0 100 200ft

LEGEND

- MW-13B MONITORING WELL LOCATION
- MW-14B BACKGROUND MONITORING WELL LOCATION
- ⊕ RW-1 RECOVERY WELL LOCATION (RW-1 NOT OPERATING)
- PROPERTY BOUNDARY (APPROXIMATE)

MW-14B	6/27/2012
VOCs TICs	
3-Heptanone, 4-methyl- A	0.0028 TJN

SAMPLE LOCATION
SAMPLE DATE
RESULT (mg/L)
PARAMETER

J ESTIMATED
TJ PRESUMPTIVELY PRESENT, ESTIMATED CONCENTRATION
TJN PRESUMPTIVELY PRESENT, ESTIMATED CONCENTRATION

SOURCE: DAMES & MOORE
WILLOW GROVE, PENNSYLVANIA
AERIAL: 2011, USDA NAIP, 1m RESOLUTION.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

STERLING SITE 3

EAST GREENBUSH, NEW YORK

SUMMARY OF DETECTED SVOCs AND TICs
GROUNDWATER RESULTS
- JUNE 2010 TO DECEBER 2012

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date: DECEMBER 2012	
Scale: 1:200	Project No: 07830-61	Report No: 102	Drawing No: figure 4.3

07830-61(102)GN-WA006 FEB 26/2013

TABLE 3.1

SAMPLE COLLECTION SUMMARY
GROUNDWATER MONITORING EVENT - OCTOBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample ID	*Location*	*Date Sampled*	*Time Sampled (hhmm)*	*Matrix*	*Chain of Custody*	*Parameters*
GW-007830-101112-001	MW-20B	10/11/12	0830	Groundwater	215630	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-007830-101112-002	MW-21B	10/11/12	0930	Groundwater	215630	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-007830-101112-003	MW-22B	10/11/12	1015	Groundwater	215630	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-007830-101112-004	MW-24B	10/11/12	1130	Groundwater	215630	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-007830-101112-005	MW-23B	10/11/12	1215	Groundwater	215630	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-44538-121912-009	MW20B	12/19/12	1300	Groundwater	178377/167518	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-44538-121912-010	MW21B	12/19/12	1400	Groundwater	178377/167518	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-44538-122012-015	MW24B	12/20/12	0900	Groundwater	178377/167518	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-44538-122012-016	MW22B	12/20/12	1000	Groundwater	178377/167518	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs
GW-44538-122012-017	MW23B	12/20/12	1100	Groundwater	178376/167518	TCL VOCs+TICs, SSPs, TCL SVOCs+TICs

Note:
SSP = Site-specific parameters (ethyl ether, 2-methylthiophene, 3-methylthiophene)

TABLE 3.2

GROUNDWATER ELEVATION DATA -DECEMBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample Location	*Top of Riser Elevation (ft AMSL)*	*Groundwater Elevation 12/13/12 (ft AMSL)*
MW-1S	13.35	4.03
MW-2S	12.81	3.69
MW-3SR	11.61	3.57
MW-4B	10.44	3.64
MW-5B	10.86	3.69
MW-6A	13.02	4.14
MW-6B	11.84	3.45
MW-7B	10.09	obstructed
MW-8B	11.36	3.53
MW-9A	12.32	3.52
MW-9B	13.00	3.35
MW-10B	8.53	3.57
MW-11B	11.44	1.29
MW-12B	12.43	3.03
MW-13A	12.52	2.68
MW-13B	12.52	2.53
MW-14B	10.94	-0.35
MW-15B	11.09	1.72
MW-16B	12.71	1.85
MW-17B	12.42	1.52
MW-18B	12.76	1.52
MW-19B	14.53	1.09
MW-20B	10.18	3.40
MW-21B	10.69	2.93
MW-22B	10.20	2.85
MW-23B	11.00	1.47
MW-24B	13.25	1.23
PZ-2A	13.73	-1.99
RW-1	9.97	3.74

TABLE 3.3

FIELD PARAMETER DATA
GROUNDWATER MONITORING EVENT - OCTOBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample Location:		*MW-20B*	*MW-20B*	*MW-21B*	*MW-21B*	*MW-22B*
Sample ID:		*GW-007830-101112-001*	*GW-44538-121912-009*	*GW-007830-101112-002*	*GW-44538-121912-010*	*GW-007830-101112-003*
Sample Date:		*10/11/2012*	*12/19/2012*	*10/11/2012*	*12/19/2012*	*10/11/2012*
Parameter	*Units*					
Field Parameters						
Conductivity Field	mS/cm	1.560	1.400	1.190	1.490	1.490
Dissolved Oxygen	mg/L	4.01	3.96	3.22	4.00	4.99
Oxidation reduction potential	millivolts	-129	-110	-101	-107	-195
pH Field	s.u.	6.22	6.39	7.09	6.96	7.41
Temperature	deg C	12.0	11.8	12.6	11.7	13.3
Turbidity	NTU	12	10	49	5	36

TABLE 3.3

FIELD PARAMETER DATA
GROUNDWATER MONITORING EVENT - OCTOBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample Location:		*MW-22B*	*MW-23B*	*MW-23B*	*MW-24B*	*MW-24B*
Sample ID:		*GW-44538-122012-016*	*GW-007830-101112-005*	*GW-44538-122012-017*	*GW-007830-101112-004*	*GW-44538-122012-015*
Sample Date:		*12/20/2012*	*10/11/2012*	*12/20/2012*	*10/11/2012*	*12/20/2012*
Parameter	*Units*					
Field Parameters						
Conductivity Field	mS/cm	1.290	0.979	0.991	0.969	1.010
Dissolved Oxygen	mg/L	4.00	2.97	2.47	3.09	2.96
Oxidation reduction potential	millivolts	-149	-101	-90	-109	-88
pH Field	s.u.	7.11	6.21	6.29	6.40	6.55
Temperature	deg C	12.9	11.9	12.2	11.9	12.1
Turbidity	NTU	19	9	11	79	66

TABLE 4.1

DETECTED ANALYTICAL RESULTS
GROUNDWATER MONITORING EVENT - OCTOBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample Location:		*MW-20B*	*MW-20B*	*MW-21B*	*MW-21B*	*MW-22B*	*MW-22B*	*MW-23B*
Sample ID:		*GW-007830-101112-001*	*GW-44538-121912-009*	*GW-007830-101112-002*	*GW-44538-121912-010*	*GW-007830-101112-003*	*GW-44538-122012-016*	*GW-007830-101112-005*
Sample Date:		*10/11/2012*	*12/19/2012*	*10/11/2012*	*12/19/2012*	*10/11/2012*	*12/20/2012*	*10/11/2012*
Parameter	*Units*							
Volatile Organic Compounds								
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.01)	ND (0.01)	0.0017 J	ND (0.1)	ND (0.01)	0.0029 J	ND (0.01)
3-Methylthiophene	mg/L	ND (0.01)	ND (0.01)	0.00075 J	ND (0.1)	ND (0.01)	ND (0.01)	ND (0.01)
Acetone	mg/L	ND (0.01)	ND (0.01)	0.013	0.15	ND (0.01)	ND (0.01)	ND (0.01)
Benzene	mg/L	ND (0.001)	ND (0.001)	0.00052 J	ND (0.01)	ND (0.001)	ND (0.001)	ND (0.001)
Ethyl Ether	mg/L	ND (0.01)	ND (0.01)	1.3	1.6 J	ND (0.01)	ND (0.01)	ND (0.01)
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)	0.0056 J	ND (0.005)	ND (0.005)	ND (0.005)
TIC Volatile Organic Compounds								
Chlorodifluoromethane A	mg/L	--	--	0.0071	--	--	--	--
Dichlorodifluoromethane (CFC-12) A	mg/L	--	--	0.0028	--	--	--	--
Dichlorofluoromethane A	mg/L	--	--	0.00067 J	--	--	--	--
Diisopropyl ether A	mg/L	--	--	0.001	--	--	--	--
Ethyl Acetate A	mg/L	--	--	--	0.0085 J	--	0.0015	--
Isopropyl Alcohol A	mg/L	--	--	--	0.47	--	0.047	--
Methyl tert butyl ether (MTBE) A	mg/L	--	--	0.00029 J	--	--	--	--
tert-Butyl alcohol A	mg/L	--	--	0.015 J	--	--	--	--
Semi-Volatile Organic Compounds								
4-Methylphenol	mg/L	ND (0.024)	ND (0.024)	ND (0.024)	0.0061 J	ND (0.024)	ND (0.024)	ND (0.024)
Benzo(a)anthracene	mg/L	ND (0.012)	ND (0.012)	0.0013 J	ND (0.012)	0.0012 J	ND (0.012)	0.00091 J
Benzo(a)pyrene	mg/L	0.0011 J	ND (0.012)	0.0011 J	ND (0.012)	0.0012 J	ND (0.012)	ND (0.012)
TIC Semi-Volatile Organic Compounds								
4-Hydroxy-benzaldehyde A	mg/L	--	--	--	0.012 TJN	--	--	--
Benzeneacetic acid A	mg/L	--	--	--	0.069 TJN	--	--	--
Benzenepropanoic acid A	mg/L	--	--	--	0.03 TJN	--	--	--
Mephobarbital A	mg/L	--	--	0.031 TJN	--	--	--	--
Noramidopyrine A	mg/L	--	--	0.026 TJN	--	--	--	--
Phenobarbital A	mg/L	--	--	0.045 TJN	--	--	--	--
Talbutal A	mg/L	--	--	0.041 TJN	0.035 TJN	--	--	--
Vanillin A	mg/L	--	--	--	0.034 TJN	--	--	--

Notes:
J - Estimated concentration.
ND - Not detected at the associated reporting limit.
TJN - Tentatively identified compound, estimated concentration.
- - Not applicable.

TABLE 4.1

DETECTED ANALYTICAL RESULTS
GROUNDWATER MONITORING EVENT - OCTOBER 2012
REMEDIAL DESIGN REPORT, OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Sample Location:		*MW-23B*	*MW-24B*	*MW-24B*
Sample ID:		*GW-44538-122012-017*	*GW-007830-101112-004*	*GW-44538-122012-015*
Sample Date:		*12/20/2012*	*10/11/2012*	*12/20/2012*
Parameter	***Units***			
Volatile Organic Compounds				
2-Butanone (Methyl Ethyl Ketone)	mg/L	ND (0.01)	ND (0.01)	ND (0.01)
3-Methylthiophene	mg/L	ND (0.01)	ND (0.01)	ND (0.01)
Acetone	mg/L	ND (0.01)	ND (0.01)	ND (0.01)
Benzene	mg/L	ND (0.001)	ND (0.001)	ND (0.001)
Ethyl Ether	mg/L	ND (0.01)	ND (0.01)	ND (0.01)
Methylene chloride	mg/L	ND (0.005)	ND (0.005)	ND (0.005)
TIC Volatile Organic Compounds				
Chlorodifluoromethane A	mg/L	--	--	--
Dichlorodifluoromethane (CFC-12) A	mg/L	--	--	--
Dichlorofluoromethane A	mg/L	--	--	--
Diisopropyl ether A	mg/L	--	--	--
Ethyl Acetate A	mg/L	--	--	--
Isopropyl Alcohol A	mg/L	--	--	--
Methyl tert butyl ether (MTBE) A	mg/L	--	--	--
tert-Butyl alcohol A	mg/L	--	--	--
Semi-Volatile Organic Compounds				
4-Methylphenol	mg/L	ND (0.026)	ND (0.024)	ND (0.024)
Benzo(a)anthracene	mg/L	ND (0.013)	ND (0.012)	ND (0.012)
Benzo(a)pyrene	mg/L	ND (0.013)	ND (0.012)	ND (0.012)
TIC Semi-Volatile Organic Compounds				
4-Hydroxy-benzaldehyde A	mg/L	--	--	--
Benzeneacetic acid A	mg/L	--	--	--
Benzenepropanoic acid A	mg/L	--	--	--
Mephobarbital A	mg/L	--	--	--
Noramidopyrine A	mg/L	--	--	--
Phenobarbital A	mg/L	--	--	--
Talbutal A	mg/L	--	--	--
Vanillin A	mg/L	--	--	--

Notes:
J - Estimated concentration.
ND - Not detected at the associated reporting limit.
TJN - Tentatively identified compound, estimated concentration.
- - Not applicable.

APPENDIX A

STRATIGRAPHY AND WELL INSTRUMENTATION LOGS

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-20B
DATE COMPLETED: September 6, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. KRAMER/ B. PICKERT

NORTHING: 1373108.7
EASTING: 692807.04

TOP OF RISER 10.18
TOP OF CASING 10.14
GROUND SURFACE 6.81

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	MH-SILT, loamy, some wood particles	
2	ML-SILT, some clay, brown	4.81
	CL-CLAY, some silt, brown gray	3.81
4		
6		
8	CL-CLAY, trace silt, brown gray, moist	-1.19
10	- some fine sand, wet at 10.0ft BGS	-3.19
	SP-SAND, fine grained, gray, wet	
12		
14		
16		
18		
20		
22		
	- brown wood at 22.9ft BGS	
24	- brown wood at 24.4ft BGS	
	- brown wood at 24.6ft BGS	
	- brown wood at 24.9ft BGS	
26		-19.19
	SP-SAND, fine grained, trace medium to coarse grained, gray, wet	
28	- brown wood at 28.6ft BGS	
30		-23.19
	SP-SAND, fine grained, little medium grained, gray, wet	
32		
		-26.29
34	SW-SAND, trace silt, trace gravel, fine grained, some medium grained intervals, dark brown gray, wet	-27.19

MONITORING WELL: CEMENT/ BENTONITE GROUT; 2" PVC WELL CASING; 6" BOREHOLE; BENTONITE CHIPS; CHOKER SAND; 2" PVC WELL SCREEN; SAND PACK

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1SS		1.0	7	0.0
2SS		1.5	13	0.0
3SS		1.3	6	0.0
4SS		1.8	8	0.0
5SS		0.3	4	0.0
6SS		1.9	2	0.0
7SS		1.5		0.0
8SS		1.5	4	0.0
9SS		1.3	4	0.0
10SS		1.0	6	0.0
11SS		1.1	7	0.0
12SS		0.9	6	0.0
13SS		1.0	7	0.0
14SS		1.3	7	0.5
15SS		1.0	7	0.1
16SS		1.2	7	0.2
17SS		1.3	8	0.4

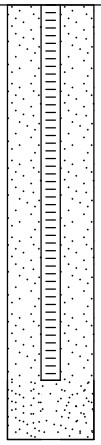
NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-20B
DATE COMPLETED: September 6, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. KRAMER/ B. PICKERT

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36	SW-SAND, trace silt, fine to medium grained, gray, wet			18SS		0.8	6	0.8
38				19SS		1.1	3	0.0
	SW-SAND, little to trace silt, fine grained, gray, wet	-31.39						
40		-32.19		20SS		1.3	9	0.0
	SW-SAND, trace silt, fine to medium, grained, gray, wet - 1/2" wood fragment at 40.2ft BGS			21SS		1.1	9	0.2
42	SW-SAND, trace silt, well graded, gray, wet	-34.69						
44				22SS		1.2	12	0.0
	CL-CLAY, little silt, trace fine sand, gray	-38.09		23SS		1.3	4	0.0
46	END OF BOREHOLE @ 46.0ft BGS	-39.19						
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								



WELL DETAILS
Screened interval:
-17.69 to 4.81ft
24.50 to 2.00ft BGS
Length: -22.5ft
Diameter: 0in
Slot Size: 0.010
Material: PVC
Seal:
4.81 to -13.19ft
2.00 to 20.00ft BGS
Material: BENTONITE CHIPS
Sand Pack:
-15.99 to -39.19ft
22.80 to 46.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

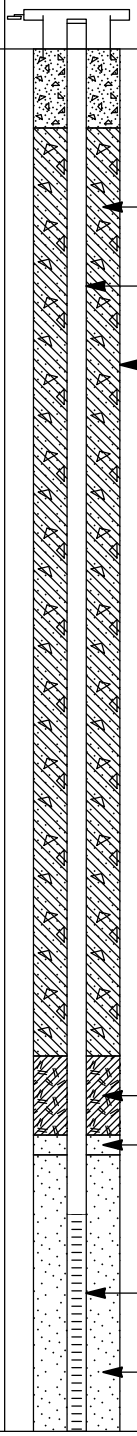
PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-21B
DATE COMPLETED: August 29, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. OSCAR

NORTHING: 1373791.75
EASTING: 692745.72

TOP OF CASING 10.75
TOP OF RISER 10.69
GROUND SURFACE 7.71

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	ML/CL-CLAYEY SILT, trace vegetation, dark brown, moist	
2	ML/CL-CLAYEY SILt, some fine sand, trace rootlets, medium native	5.71
4		
6	CL/ML-SILTY CLAY, brown, moist	2.91
8	CL/ML-SILTY CLAY, some fine sand, soft, gray, medium native	0.21
10	SM-SILTY SAND, fine to medium grained, loose, gray, moist	-2.09 -2.49
12	SW-SAND, little silt, fine to medium grained, loose, gray, moist to wet - wet at 12.0ft BGS	
14		
16	- trace wood from 16.0 to 18.0ft BGS	
18	SW-SAND, trace silt, fine to medium grained, trace coarse grained, loose, gray, wet	-10.29
20	- trace fine gravel from 20.0 to 22.0ft BGS	
22	SW-SAND, trace silt, trace fine gravel, trace wood, medium to carse grained, some fine grained, loose, wet	-14.29
24		
26	SW-SAND, fine to medium grained, loose, gray, wet	-18.29
28	SW-SAND, little fine gravel, trace silt, coarse grained, gray, wet	-20.29
30	- trace wood from 30.0 to 32.0ft BGS	
32		
34	SW-SAND, fine to medium grained, loose,	-26.29



SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1SS		1.3	7	0.0
2SS		1.4	8	0.0
3SS		1.8	6	0.0
4SS		1.8	3	0.0
5SS		1.8	1	0.0
6SS		1.4	4	0.0
7SS		1.4	1	0.0
8SS		1.2	1	0.0
9SS		1.8	2	0.0
10SS		1.1	1	0.0
11SS		1.0	3	0.0
12SS		1.8	9	0.0
13SS		1.4	5	0.0
14SS		1.0	5	0.0
15SS		1.1	7	0.0
16SS		0.8	5	0.0
17SS		1.7	10	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-21B
DATE COMPLETED: August 29, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: D. OSCAR

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36	gray, wet			18SS		1.8	13	0.0
				19SS		1.1	19	0.0
38				20SS		1.8	10	0.0
40				21SS		1.8	7	0.0
42				22SS				
44	- trace silt, no sample 42-44' at 44.0ft BGS			23SS		1.0	9	0.0
46				24SS		1.2	13	0.0
48	SW-SAND, little fine to medium grained gravel, trace silt, fine to medium grained, wet	-40.29		25SS		0.8	13	0.0
50	CL-SILTY CLAY, with bands of clayey silt, soft, gray	-42.29		26SS		2.0	6	0.0
52	END OF BOREHOLE @ 52.0ft BGS	-44.29						
54								
56								
58								
60								
62								
64								
66								
68								

WELL DETAILS
Screened interval:
-21.79 to -41.79ft
29.50 to 49.50ft BGS
Length: 20ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
-17.79 to -19.79ft
25.50 to 27.50ft BGS
Material: BENTONITE CHIPS
Sand Pack:
-20.29 to -44.29ft
28.00 to 52.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-22B
DATE COMPLETED:
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. PICKERT

NORTHING: 1373027
EASTING: 692207.26

TOP OF CASING 10.21
TOP OF RISER 10.20
GROUND SURFACE 7.62

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	ML-SILT, little clay, trace organics, trace sand, brown, moist	
4.52	ML/CL-SILT AND CLAY, trace fine sand, brown, moist - fine sand increasing with depth at 4.0ft BGS - becoming very moist at 6.0ft BGS	
0.42	SP-SAND, fine grained, gray, wet	
-1.78	GP-GRAVEL, little to trace fine sand, gray, wet	
-3.68	SP-SAND, trace gravel, fine to medium grained, gray, wet	
-8.38	SP/GP-SAND AND GRAVEL, trace silt, gray, wet	
-12.58	SW-SAND, little gravel, trace silt, medium to coarse grained, dark brown gray, wet	
-17.58	SW-SAND, fine to medium grained, trace silt, gray, wet	
-24.88	ML-SILT, some fine sand, trace gravel, gray, wet	
-25.38	SP-SAND, trace silt, fine grained, gray, wet	

MONITORING WELL: CEMENT/BENTONITE GROUT; 2" PVC WELL CASING; 6" BOREHOLE; BENTONITE CHIPS; CHOKER SAND; 2" PVC WELL SCREEN; SAND PACK

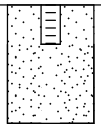
SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1SS		1.8	3	0.0
2SS		1.4	7	0.0
3SS		1.9	1	0.0
4SS		1.8	5	0.0
5SS		1.8	5	0.0
6SS		1.2	7	0.0
7SS		0.8	7	0.0
8SS		1.5	4	0.0
9SS		1.0	5	0.0
10SS		0.8	5	0.0
11SS		1.9	6	0.0
12SS		1.0	5	0.0
13SS		1.0	5	0.1
14SS		1.1	4	0.0
15SS		0.8	8	0.0
16SS		1.1	5	0.2
17SS		1.3	5	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-22B
DATE COMPLETED:
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. PICKERT

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36	SP-SAND, trace silt, fine to medium grained, gray, wet	-27.68		18SS		1.2	9	0.0
	CH-CLAY, trace silt, fat, gray	-28.78		19SS		1.9	5	0.0
38	END OF BOREHOLE @ 38.0ft BGS	-30.38						
40								
42								
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

WELL DETAILS
Screened interval:
-8.38 to -28.38ft
16.00 to 36.00ft BGS
Length: 20ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
-3.38 to -5.78ft
11.00 to 13.40ft BGS
Material: BENTONITE CHIPS
Sand Pack:
-6.38 to -30.38ft
14.00 to 38.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-23B
DATE COMPLETED: September 5, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. KRAMER

NORTHING: 1375491.56
EASTING: 692314.23

TOP OF CASING 11.03
TOP OF RISER 11.00
GROUND SURFACE 7.70

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
0	MH-SANDY LOAM, brown, dry	
2		5.70
	ML-SANDY SILT, brown, dry	
4		
6		
8	- organic, some black, wet at 8.0ft BGS	-0.30
	SM-SAND, some silt, fine grained, dark gray, wet	
10		
12		
14	- some gravel at 14.0ft BGS	
16		
18		
20		
22		
24		
26		
28		
30		
32		
34		

MONITORING WELL: CEMENT/ BENTONITE GROUT; 2" PVC WELL CASING; 6" BOREHOLE; BENTONITE CHIPS; CHOKER SAND

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1SS		0.8	8	0.0
2SS		1.3	8	0.0
3SS		0.8	7	0.0
4SS		1.8	7	0.0
5SS		0.3	4	0.0
6SS		1.3	5	0.0
7SS		1.5	5	0.0
8SS		1.0	5	0.0
9SS		0.3	2	0.0
10SS		0.8	3	0.0
11SS		1.0	5	0.0
12SS		0.5	7	0.0
13SS		0.5	7	0.0
14SS		0.4	6	0.0
15SS		0.4	11	0.0
16SS		1.0	7	0.0
17SS		1.0	9	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 007830WIN.GPJ CRA_CORP.GDT 11/12/12

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-23B
DATE COMPLETED: September 5, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: B. KRAMER

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE NUMBER	SAMPLE INTERVAL	SAMPLE REC (ft)	SAMPLE 'N' VALUE	SAMPLE PID (ppm)
36			2" PVC WELL SCREEN	18SS		1.0	7	0.0
38	- gravel size increasing to 1" at 38.0ft BGS		SAND PACK	19SS		0.8	9	0.0
40				20SS		0.5	9	0.0
42				21SS		0.2	9	0.0
44	GW-GRAVEL, some sand, well graded, gray, wet END OF BOREHOLE @ 42.0ft BGS	-34.30		22SS		0.7	17	0.0
46				23SS		1.0	13	0.0
48				24SS		0.7	21	0.0
50				25SS		0.4	17	0.0
52				26SS		0.3	15	0.0
54	CL-CLAY, firm to stiff, gray	-45.80 -46.30		27SS		0.8	17	0.0
56								
58								
60								
62								
64								
66								
68								

WELL DETAILS
Screened interval:
-25.30 to -45.30ft
33.00 to 53.00ft BGS
Length: 20ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
-20.30 to -22.60ft
28.00 to 30.30ft BGS
Material: BENTONITE CHIPS
Sand Pack:
-23.20 to -46.30ft
30.90 to 54.00ft BGS
Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-24B
DATE COMPLETED: August 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: K. LYNCH/ B. PICKERT

NORTHING: 1375536.99
EASTING: 691952.04

TOP OF RISER 13.25
TOP OF CASING 13.24
GROUND SURFACE 10.50

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
	SM-SAND, little silt, fine grained, medium stiff, brown, damp to moist	
6	SP-SAND, fine grained, loose, brown, moist	4.70
	ML-SILT, some fine sand, slightly dense, brown, moist	4.30
8	- becoming moist to wet at 8.6ft BGS	
10	SP-SAND, trace silt, fine grained, medium stiff, dark gray, moist to wet	0.70
12	SP-SAND, medium grained, loose, dark gray, wet	-0.60
14	ML-SILT, little fine sand, medium stiff, dark gray, wet	-3.00
16	SP-SAND, medium grained, some coarse grained, loose, dark gray, wet	-4.70
22	SP-SAND, fine to medium grained, dark gray, wet	-10.70
	SP-SAND, medium to coarse grained, dark gray, wet	-11.50
26	- 1/2" layer of peat/wood, trace fine subrounded subangular gravel at 26.8ft BGS	
28	- trace wood/plants at 28.0ft BGS	
30	SP-SAND, fine to medium grained, dark gray, wet	-19.50

MONITORING WELL: CEMENT/ BENTONITE GROUT; 2" PVC WELL CASING; 6" BOREHOLE

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
1SS		1.8	4	0.0
2SS		1.3	7	0.0
3SS		1.8	5	0.0
4SS		2.0	5	0.0
5SS		2.0	2	0.0
6SS		11.3	2	0.0
7SS		2.0	6	0.4
8SS		1.5	6	0.2
9SS		1.3	4	0.0
10SS		1.3	7	0.0
11SS		1.3	5	0.0
12SS		1.3	5	0.0
13SS		0.8	5	0.0
14SS		1.3	6	0.0
15SS		1.4	7	0.0
16SS		1.4	5	0.0
17SS		1.3	8	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

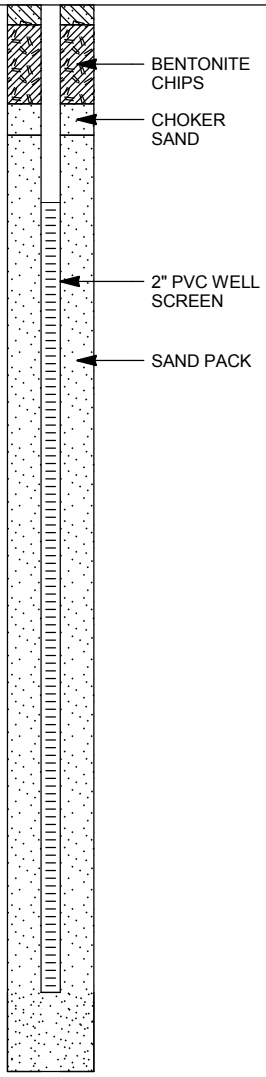
STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-24B
DATE COMPLETED: August 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: K. LYNCH/ B. PICKERT

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft
36	- trace fine to medium grained gravel at 36.0ft BGS	
38	- fine to medium grained angular and subangular gravel at 38.0ft BGS	
40	SW-SAND, trace fine rounded gravel, fine to medium grained, dark gray, wet	-29.50
42		
44	NO RECOVERY	-33.50
46		
48		
50	GP-GRAVEL, little coarse sand, fine angular to subangular, stiff	-38.10
52	SW/GW-SAND AND GRAVEL, trace silt, trace white medium sand, well graded, gray, wet	-41.50
54	NO RECOVERY	-43.50
56	SW/GW-SAND AND GRAVEL, trace to little silt, some white coarse sand and gravel throughout, well graded, gray, wet, silt increasing with depth	-45.50
58	SW/GW-SAND AND GRAVEL, little silt, trace clay, brown and gray, wet, silt increasing with depth	-47.50
60	CL-CLAY, little silt, very soft to soft, gray, becoming firmer with depth	-50.10
62	END OF BOREHOLE @ 62.0ft BGS	-51.50
64		
66		
68		

MONITORING WELL



WELL DETAILS
Screened interval:
-29.50 to -49.50ft
40.00 to 60.00ft BGS
Length: 20ft
Diameter: 2in
Slot Size: 0.010
Material: PVC
Seal:
-25.00 to -27.00ft
35.50 to 37.50ft BGS
Material: BENTONITE CHIPS
Sand Pack:

SAMPLE NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
18SS		0.8	8	0.0
19SS		0.4	10	0.0
20SS		0.3	12	0.0
21SS		1.0	11	0.0
22SS		1.0	9	0.0
23SS		0.0	13	0.0
24SS		1.1	6	0.0
25SS		0.2	18	0.0
26SS		0.2	17	0.0
27SS		0.8	13	0.0
28SS		0.0	17	0.0
29SS		0.8	16	0.0
30SS		1.0	23	0.0
31SS		1.3	7	0.0

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: **STERLING SITE 3**
PROJECT NUMBER: 007830
CLIENT: NPEC INC.
LOCATION: **EAST GREENBUSH, NY**

HOLE DESIGNATION: MW-24B
DATE COMPLETED: August 31, 2012
DRILLING METHOD: DIRECT PUSH
FIELD PERSONNEL: K. LYNCH/ B. PICKERT

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITORING WELL	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
72			-27.80 to -51.50ft 38.30 to 62.00ft BGS Material: SAND					
74								
76								
78								
80								
82								
84								
86								
88								
90								
92								
94								
96								
98								
100								
102								
104								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

APPENDIX B

FIELD DATA

APPENDIX B.1

CAMP AIR MONITORING DATA

TABLE B.1

CAMP AIR MONITORING RESULTS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Date	Time	Dust Reading		PID
		Instantaneous	15-min TWA	
		mg/m^3	mg/m^3	ppm
8/27/2012	14:30	NR	0.000	0.0
8/27/2012	14:46	NR	0.000	0.0
8/27/2012	15:00	NR	0.001	0.0
8/27/2012	15:16	NR	0.000	0.0
8/27/2012	15:24	NR	0.000	0.0
8/27/2012	16:10	NR	0.002	0.0
8/27/2012	16:30	NR	0.000	0.0
8/27/2012	16:46	NR	0.000	0.0
8/27/2012	17:01	NR	0.000	0.0
8/27/2012	17:17	NR	0.000	0.0
8/27/2012	17:28	NR	0.000	0.0
8/27/2012	17:30	NR	0.000	0.0
8/28/2012	7:33	NR	0.011	0.0
8/28/2012	7:45	NR	0.015	0.0
8/28/2012	7:56	NR	0.014	0.1
8/28/2012	8:07	NR	0.012	0.2
8/28/2012	8:25	NR	0.013	0.0
8/28/2012	8:30	NR	0.016	0.0
8/28/2012	8:47	NR	0.017	0.0
8/28/2012	9:15	NR	0.008	0.0
8/28/2012	9:35	NR	0.002	0.0
8/28/2012	9:50	NR	0.000	0.0
8/28/2012	10:12	NR	0.000	0.0
8/28/2012	10:19	NR	0.000	0.0
8/28/2012	10:37	NR	0.000	0.0
8/28/2012	10:45	NR	0.000	0.0
8/28/2012	11:00	NR	0.000	0.0
8/29/2012	14:17	NR	0.005	0.0
8/29/2012	14:30	NR	0.002	0.0
8/29/2012	14:46	NR	0.003	0.0
8/29/2012	15:02	NR	0.000	0.0
8/29/2012	15:13	NR	0.000	0.0
8/29/2012	15:34	NR	0.000	0.0
8/30/2012	10:00	0.034	0.004	0.0
8/30/2012	10:15	0.000	0.007	0.0

TABLE B.1

CAMP AIR MONITORING RESULTS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Date	Time	Dust Reading		PID
		Instantaneous	15-min TWA	
		mg/m^3	mg/m^3	ppm
8/30/2012	10:30	0.000	0.008	0.0
8/30/2012	10:45	0.027	0.003	0.0
8/30/2012	11:00	0.017	0.001	0.0
8/30/2012	11:15	0.000	0.002	0.0
8/30/2012	11:30	0.096	0.005	0.0
8/30/2012	11:45	0.025	0.006	0.0
8/30/2012	12:00	0.003	0.005	0.0
8/30/2012	12:15	0.000	0.002	0.0
8/30/2012	13:15	0.004	0.016	0.0
8/30/2012	13:30	0.002	0.008	0.0
8/30/2012	13:45	0.006	0.007	0.0
8/30/2012	14:00	0.001	0.001	0.0
8/30/2012	14:15	0.000	0.009	0.0
8/30/2012	14:30	0.000	0.005	0.0
8/30/2012	14:45	0.000	0.005	0.0
8/30/2012	15:00	0.000	0.006	0.0
8/30/2012	16:00	0.016	0.029	0.0
8/30/2012	16:15	0.009	0.036	0.0
8/30/2012	16:30	0.004	0.015	0.0
8/30/2012	16:45	0.000	0.011	0.0
8/30/2012	17:00	0.000	0.003	0.0
8/30/2012	17:15	0.000	0.011	0.0
8/30/2012	17:30	0.000	0.009	
8/31/2012	7:38	0.005	0.003	0.0
8/31/2012	7:53	0.000	0.003	0.0
8/31/2012	8:08	0.000	0.002	0.0
8/31/2012	8:23	0.000	0.001	0.0
8/31/2012	8:38	0.000	0.000	0.0
8/31/2012	8:53	0.000	0.000	0.0
8/31/2012	9:08	0.006	0.001	0.0
8/31/2012	9:23	0.000	0.000	0.0
8/31/2012	9:38	0.001	0.000	0.0
8/31/2012	9:53	0.002	0.001	0.0
8/31/2012	10:08	0.002	0.001	0.0
8/31/2012	12:23	0.000	0.000	0.0

TABLE B.1

CAMP AIR MONITORING RESULTS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Date	Time	Dust Reading		PID
		Instantaneous	15-min TWA	
		mg/m^3	mg/m^3	ppm
8/31/2012	10:38	0.005	0.001	0.0
8/31/2012	10:53	0.001	0.000	0.0
9/4/2012	14:45	0.006	0.002	0.0
9/4/2012	14:50	0.005	0.001	0.0
9/4/2012	14:52	0.006	0.002	0.0
9/4/2012	15:00	0.007	0.002	0.0
9/4/2012	15:15	0.006	0.001	0.0
9/4/2012	15:30	0.005	0.001	0.0
9/4/2012	15:45	0.005	0.001	0.0
9/4/2012	16:00	0.013	0.010	0.0
9/4/2012	16:15	0.012	0.012	0.0
9/4/2012	16:30	0.005	0.011	0.0
9/4/2012	16:45	0.006	0.011	0.0
9/4/2012	17:00	0.007	0.011	0.0
9/4/2012	17:15	0.006	0.010	0.0
9/4/2012	17:30	0.008	0.010	0.0
9/5/2012	7:15	0.000	0.000	0.0
9/5/2012	7:30	0.001	0.000	0.0
9/5/2012	7:45	0.000	0.000	0.0
9/5/2012	8:00	0.002	0.000	0.0
9/5/2012	8:15	0.023	0.004	0.0
9/5/2012	8:30	0.005	0.004	0.0
9/5/2012	8:45	0.000	0.004	0.0
9/5/2012	9:00	0.000	0.003	0.0
9/5/2012	9:15	0.000	0.003	0.0
9/5/2012	9:30	0.002	0.001	0.0
9/5/2012	9:45	0.001	0.021	0.0
9/5/2012	10:00	0.004	0.009	0.0
9/5/2012	10:15	0.011	0.007	0.0
9/5/2012	10:30	0.005	0.001	0.0
9/5/2012	10:45	0.001	0.000	0.0
9/5/2012	11:00	0.006	0.004	0.0
9/5/2012	16:30	0.000	0.000	0.0
9/5/2012	16:45	0.000	0.000	0.0
9/5/2012	17:00	0.006	0.001	0.0

TABLE B.1

CAMP AIR MONITORING RESULTS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Date	Time	Dust Reading		PID
		Instantaneous	15-min TWA	
		mg/m^3	mg/m^3	ppm
9/5/2012	17:15	0.000	0.000	0.0
9/5/2012	17:30	0.000	0.000	0.0
9/5/2012	17:45	0.000	0.000	0.0
9/5/2012	18:00	0.004	0.000	0.0
9/5/2012	18:15	0.002	0.000	0.0
9/5/2012	18:30	0.000	0.000	0.0
9/6/2012	7:30	0.000	0.004	0.0
9/6/2012	7:45	0.000	0.004	0.0
9/6/2012	8:00	0.001	0.003	0.0
9/6/2012	8:15	0.005	0.007	0.0
9/6/2012	8:30	0.009	0.010	0.0
9/6/2012	8:45	0.015	0.017	0.0
9/6/2012	9:00	0.011	0.013	0.0
9/6/2012	9:15	0.014	0.011	0.0
9/6/2012	9:30	0.008	0.004	0.0
9/6/2012	9:45	0.006	0.016	0.0
9/6/2012	10:00	0.004	0.011	0.0
9/6/2012	10:15	0.000	0.018	0.0
9/6/2012	10:30	0.004	0.007	0.0
9/6/2012	10:45	0.002	0.011	0.0
9/6/2012	11:00	0.002	0.003	0.0
9/6/2012	11:15	0.017	0.011	0.0
9/6/2012	11:30	0.009	0.002	0.0
9/6/2012	11:45	0.003	0.002	0.0
9/6/2012	12:00	0.001	0.001	0.0
9/6/2012	13:00	0.000	0.002	0.0
9/6/2012	13:15	0.002	0.001	0.0
9/6/2012	13:30	0.001	0.006	0.0
9/6/2012	13:45	0.007	0.004	0.0
9/6/2012	14:00	0.009	0.003	0.0
9/6/2012	16:30	0.000	0.000	0.0
9/6/2012	16:45	0.000	0.000	0.0
9/6/2012	17:00	0.008	0.002	0.0
9/6/2012	17:15	0.002	0.004	0.0
9/6/2012	17:30	0.001	0.002	0.0

TABLE B.1

CAMP AIR MONITORING RESULTS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Date	Time	Dust Reading		PID
		Instantaneous	15-min TWA	
		mg/m^3	mg/m^3	ppm
9/7/2012	7:38	0.000	0.000	0.0
9/7/2012	7:45	0.001	0.000	0.0
9/7/2012	8:00	0.005	0.002	0.0
9/7/2012	8:15	0.004	0.003	0.0
9/7/2012	8:30	0.018	0.002	0.0
9/7/2012	8:45	0.003	0.003	0.1
9/7/2012	9:00	0.058	0.001	0.1
9/7/2012	9:15	0.001	0.000	0.0
9/7/2012	9:30	0.001	0.001	0.0
9/7/2012	9:45	0.002	0.000	0.0
9/7/2012	10:00	0.000	0.001	0.0
9/7/2012	10:15	0.001	0.000	0.0
9/7/2012	10:30	0.002	0.004	0.1
9/7/2012	10:45	0.007	0.009	0.0
9/7/2012	11:00	0.014	0.008	0.0
9/7/2012	11:15	0.017	0.007	0.0
9/7/2012	11:30	0.009	0.003	0.0
readings		**124**	**157**	**156**
ND		**24**	**59**	**151**
% ND		**19%**	**38%**	**97%**
min		**0.000**	**0.000**	**0.0**
average		**0.006**	**0.005**	**0.0**
max		**0.096**	**0.036**	**0.2**

Notes:

NR Not recorded

APPENDIX B.2

WELL DEVELOPMENT DATA

TABLE B.2

WELL DEVELOPMENT - FIELD PARAMETERS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Location	*Date*	*Well Vol.*	*pH* *s.u.*	*Conductivity* *mS/cm*	*Temperature* *°C*	*DO* *mg/L*	*ORP* *mV*	*Turbidity* *NTU*
MW-20B	9/11/2012	1	6.34	0.707	13.1	11.26	-71	> 999
MW-20B	9/11/2012	2	6.02	1.28	11.8	4.80	-92	> 999
MW-20B	9/11/2012	3	6.02	3.46	11.7	5.52	-102	843
MW-20B	9/11/2012	4	6.00	2.89	11.5	5.10	-103	196
MW-20B	9/11/2012	5	6.01	4.94	11.6	6.21	-105	122
MW-20B	9/11/2012	6	5.99	2.40	11.5	6.54	-105	54
MW-20B	9/11/2012	7	5.97	1.34	11.5	6.36	-107	26
MW-20B	9/11/2012	8	5.96	1.60	11.6	5.22	-109	12
MW-20B	9/11/2012	9	5.96	1.48	11.5	5.11	-113	7
MW-20B	9/11/2012	10	6.01	1.49	11.6	4.96	-118	7
MW-20B	9/11/2012	11	NR	NR	NR	NR	NR	NR
MW-20B	9/11/2012	12	NR	NR	NR	NR	NR	NR

TABLE B.2

WELL DEVELOPMENT - FIELD PARAMETERS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Location	*Date*	*Well Vol.*	*pH* *s.u.*	*Conductivity* *mS/cm*	*Temperature* *°C*	*DO* *mg/L*	*ORP* *mV*	*Turbidity* *NTU*
MW-21B	9/10/2012	1	12.59	16.1	16.1	11.35	-98	> 999
MW-21B	9/10/2012	2	12.30	50.3	13.0	7.56	-182	> 999
MW-21B	9/10/2012	3	10.96	3.63	12.9	6.92	-174	> 999
MW-21B	9/10/2012	4	9.83	1.37	12.6	5.89	-128	> 999
MW-21B	9/10/2012	5	9.28	1.11	12.4	5.32	-99	401
MW-21B	9/10/2012	6	8.85	1.10	12.5	4.29	-97	360
MW-21B	9/10/2012	7	8.64	1.09	12.4	4.76	-96	186
MW-21B	9/10/2012	8	8.47	1.11	12.4	5.05	-94	44
MW-21B	9/10/2012	9	NR	NR	NR	NR	NR	NR
MW-21B	9/10/2012	10	8.01	1.04	14.5	10.0	-146	460
MW-21B	9/10/2012	11	7.76	8.95	13.2	7.06	-145	270
MW-21B	9/10/2012	12	7.66	1.05	12.8	7.37	-133	217
MW-21B	9/10/2012	13	7.49	76.9	12.5	6.07	-139	172
MW-21B	9/10/2012	14	7.41	85.3	12.2	5.01	-135	170
MW-21B	9/10/2012	15	7.37	78.9	12.2	4.63	-128	162
MW-21B	9/10/2012	16	7.33	98.8	12.0	4.07	-135	153
MW-21B	9/10/2012	17	7.39	999	11.8	3.78	-137	130
MW-21B	9/10/2012	18	7.28	1.35	11.9	3.01	-127	120
MW-21B	9/10/2012	19	7.25	3.80	11.7	3.31	-128	124
MW-21B	9/10/2012	20	7.28	9.99	11.8	4.73	-118	125

TABLE B.2

WELL DEVELOPMENT - FIELD PARAMETERS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Location	*Date*	*Well Vol.*	*pH* *s.u.*	*Conductivity* *mS/cm*	*Temperature* *°C*	*DO* *mg/L*	*ORP* *mV*	*Turbidity* *NTU*
MW-22B	9/10/2012	1	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	2	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	3	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	4	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	5	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	6	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	7	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	8	NR	NR	NR	NR	NR	NR
MW-22B	9/10/2012	9	7.77	1.37	15.3	5.78	-180	29
MW-22B	9/10/2012	10	7.80	1.36	15.2	5.96	-181	29

TABLE B.2

WELL DEVELOPMENT - FIELD PARAMETERS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Location	*Date*	*Well Vol.*	*pH* *s.u.*	*Conductivity* *mS/cm*	*Temperature* *°C*	*DO* *mg/L*	*ORP* *mV*	*Turbidity* *NTU*
MW-23B	9/11/2012	1	5.90	0.735	12.5	10.19	10	150
MW-23B	9/11/2012	2	5.81	0.996	11.2	6.19	-57	> 999
MW-23B	9/11/2012	3	5.91	0.995	11.5	5.35	-88	> 999
MW-23B	9/11/2012	4	5.91	0.999	11.3	5.11	-96	835
MW-23B	9/11/2012	5	5.99	1.02	11.4	5.97	-105	165
MW-23B	9/11/2012	6	6.02	0.911	11.2	5.07	-113	41
MW-23B	9/11/2012	7	6.00	0.928	11.0	4.61	-115	31
MW-23B	9/11/2012	8	6.04	1.001	11.2	4.79	-117	14
MW-23B	9/11/2012	9	6.04	0.941	11.0	4.01	-119	2.9
MW-23B	9/11/2012	10	6.06	0.949	11.3	4.35	-120	4.6
MW-23B	9/11/2012	11	6.07	0.960	11.2	4.17	-120	5.6
MW-23B	9/11/2012	12	6.07	0.996	11.4	4.33	-120	5.9
MW-23B	9/11/2012	13	NR	NR	NR	NR	NR	NR
MW-23B	9/11/2012	14	NR	NR	NR	NR	NR	NR

TABLE B.2

WELL DEVELOPMENT - FIELD PARAMETERS
REMEDIAL DESIGN REPORT
OPERABLE UNIT 2, STERLING SITE 3
EAST GREENBUSH, NEW YORK

Location	*Date*	*Well Vol.*	*pH* *s.u.*	*Conductivity* *mS/cm*	*Temperature* *°C*	*DO* *mg/L*	*ORP* *mV*	*Turbidity* *NTU*
MW-24B	9/11/2012	1	6.29	0.961	14.2	5.12	81	> 999
MW-24B	9/11/2012	2	6.19	0.910	12.9	3.47	-61	> 999
MW-24B	9/11/2012	3	6.22	0.899	11.9	4.03	-93	> 999
MW-24B	9/11/2012	4	6.19	0.901	11.8	3.04	-104	577
MW-24B	9/11/2012	5	6.15	0.900	11.6	3.08	-110	276
MW-24B	9/11/2012	6	6.19	0.902	11.4	3.19	-119	258
MW-24B	9/11/2012	7	6.27	0.895	11.8	2.57	-122	210
MW-24B	9/11/2012	8	6.26	0.893	11.7	2.74	-120	149
MW-24B	9/11/2012	9	6.23	0.902	11.7	3.40	-124	135
MW-24B	9/11/2012	10	6.24	0.910	11.4	3.01	-126	129
MW-24B	9/11/2012	11	6.25	0.919	11.5	2.69	-126	118
MW-24B	9/11/2012	12	6.27	0.922	11.9	2.96	-129	84
MW-24B	9/11/2012	13	6.29	0.923	11.9	2.99	-126	96
MW-24B	9/11/2012	14	6.29	0.931	11.9	2.96	-127	99

Notes:

NR Not recorded

APPENDIX C

LABORATORY ANALYTICAL DATA REPORTS

APPENDIX C.1

OCTOBER 2012 MONITORING EVENT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-26562-1

Job Description: Sterling Site #3

For:
NPEC - Sterling
1999 Lake Avenue
Rochester, NY 14650

Attention: Mr. Robert B Call



Approved for release.
John Schove
Project Manager I
10/26/2012 5:18 PM

John Schove
Project Manager I
john.schove@testamericainc.com
10/26/2012

cc: Ms. Sue Scrocchi

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. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page 1

Data Summaries 4

Report Narrative 4

Manual Integration Summary 5

Sample Summary 6

Executive Summary 7

Method Summary 9

Method / Analyst Summary 10

Sample Datasheets 11

Surrogate Summary 38

QC Data Summary 40

Data Qualifiers 47

QC Association Summary 48

Lab Chronicle 49

Organic Sample Data 51

GC/MS VOA 51

Method 8260B 51

Data Summaries 52

Certification Summary 52

Organic Sample Data 53

GC/MS VOA 53

Method 8260B 53

Method 8260B QC Summary 53

Method 8260B Sample Data 64

Standards Data 113

Method 8260B ICAL Data 113

Table of Contents

Method 8260B CCAL Data 169

Raw QC Data 197

Method 8260B Tune Data 197

Method 8260B Blank Data 206

Method 8260B LCS/LCSD Data 222

Method 8260B Run Logs 228

GC/MS Semi VOA 231

Method 8270C 231

Method 8270C QC Summary 232

Method 8270C Sample Data 242

Standards Data 330

Method 8270C ICAL Data 330

Method 8270C CCAL Data 378

Raw QC Data 392

Method 8270C Tune Data 392

Method 8270C Blank Data 412

Method 8270C LCS/LCSD Data 429

Method 8270C Run Logs 436

Method 8270C Prep Data 439

Shipping and Receiving Documents 441

Client Chain of Custody 442

Sample Receipt Checklist 443

Comments
No additional comments.

Receipt
The samples were received on 10/12/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: GW-007830-101112-002 (480-26562-16DL). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The method blank for preparation batch 480-85908 contained several analytes above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-85908 exceeded control limits for the following analyte: Hexachlorobenzene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270C: Surrogate recovery for the following sample was outside control limits: GW-007830-101112-003 (480-26562-17). Evidence of matrix interferences is not observed. Due to limited volume re-extraction/re-analysis could not be performed.

No other analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: GW-007830-101112-001 (480-26562-15), GW-007830-101112-002 (480-26562-16), GW-007830-101112-003 (480-26562-17), GW-007830-101112-004 (480-26562-18), GW-007830-101112-005 (480-26562-19)

No other analytical or quality issues were noted.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 86214

Lab Sample ID: 480-26562-16 Client Sample ID: GW-007830-101112-002

Date Analyzed: 10/18/12 16:24 Lab File ID: V6039.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	13.92	Assign Peak	lyh	10/18/12 16:48

Lab Sample ID: 480-26562-17 Client Sample ID: GW-007830-101112-003

Date Analyzed: 10/18/12 16:48 Lab File ID: V6040.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	13.92	Assign Peak	lyh	10/22/12 09:43

Lab Sample ID: 480-26562-19 Client Sample ID: GW-007830-101112-005

Date Analyzed: 10/18/12 17:37 Lab File ID: V6042.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.85	Assign Peak	lyh	10/19/12 11:10

SAMPLE SUMMARY

Client: NPEC - Sterling

Job Number: 480-26562-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-26562-15	GW-007830-101112-001	Water	10/11/2012 0830	10/12/2012 0900
480-26562-16	GW-007830-101112-002	Water	10/11/2012 0930	10/12/2012 0900
480-26562-17	GW-007830-101112-003	Water	10/11/2012 1015	10/12/2012 0900
480-26562-18	GW-007830-101112-004	Water	10/11/2012 1130	10/12/2012 0900
480-26562-19	GW-007830-101112-005	Water	10/11/2012 1215	10/12/2012 0900

EXECUTIVE SUMMARY - Detections

Client: NPEC - Sterling Job Number: 480-26562-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26562-15	**GW-007830-101112-001**					
Benzo(a)pyrene		1.1	J	12	ug/L	8270C
Benzo(b)fluoranthene		1.1	J B	12	ug/L	8270C
Benzo(g,h,i)perylene		2.0	J B	12	ug/L	8270C
Chrysene		1.4	J B	12	ug/L	8270C
Dibenz(a,h)anthracene		7.8	J B	12	ug/L	8270C
Indeno(1,2,3-cd)pyrene		1.9	J B	12	ug/L	8270C
480-26562-16	**GW-007830-101112-002**					
2-Butanone (MEK)		1.7	J	10	ug/L	8260B
3-Methylthiophene		0.75	J	10	ug/L	8260B
Acetone		13		10	ug/L	8260B
Benzene		0.52	J	1.0	ug/L	8260B
Ethyl ether		1300		200	ug/L	8260B
Benzo(a)anthracene		1.3	J	12	ug/L	8270C
Benzo(a)pyrene		1.1	J	12	ug/L	8270C
Benzo(b)fluoranthene		1.1	J B	12	ug/L	8270C
Benzo(g,h,i)perylene		1.6	J B	12	ug/L	8270C
Chrysene		1.3	J B	12	ug/L	8270C
Dibenz(a,h)anthracene		7.0	J B	12	ug/L	8270C
Indeno(1,2,3-cd)pyrene		1.6	J B	12	ug/L	8270C
480-26562-17	**GW-007830-101112-003**					
Benzo(a)anthracene		1.2	J	12	ug/L	8270C
Benzo(a)pyrene		1.2	J	12	ug/L	8270C
Benzo(b)fluoranthene		1.1	J B	12	ug/L	8270C
Benzo(g,h,i)perylene		1.7	J B	12	ug/L	8270C
Chrysene		1.3	J B	12	ug/L	8270C
Dibenz(a,h)anthracene		7.4	J B	12	ug/L	8270C
Indeno(1,2,3-cd)pyrene		1.6	J B	12	ug/L	8270C
480-26562-18	**GW-007830-101112-004**					
Benzo(b)fluoranthene		1.0	J B	12	ug/L	8270C
Benzo(g,h,i)perylene		1.4	J B	12	ug/L	8270C
Chrysene		1.4	J B	12	ug/L	8270C
Dibenz(a,h)anthracene		7.2	J B	12	ug/L	8270C
Indeno(1,2,3-cd)pyrene		1.3	J B	12	ug/L	8270C

EXECUTIVE SUMMARY - Detections

Client: NPEC - Sterling Job Number: 480-26562-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-26562-19	**GW-007830-101112-005**					
Benzo(a)anthracene		0.91	J	12	ug/L	8270C
Benzo(g,h,i)perylene		1.0	J B	12	ug/L	8270C
Chrysene		1.0	J B	12	ug/L	8270C
Dibenz(a,h)anthracene		6.7	J B	12	ug/L	8270C

METHOD SUMMARY

Client: NPEC - Sterling

Job Number: 480-26562-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL BUF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: NPEC - Sterling

Job Number: 480-26562-1

Method	Analyst	Analyst ID
SW846 8260B	Ferguson, Tyler R	TRF
SW846 8260B	Hill, Leah	LH
SW846 8270C	Ly, Hau T	HTL

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-001**

Lab Sample ID: 480-26562-15 | Date Sampled: 10/11/2012 0830
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23070.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1937			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1937				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	92		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-001**

Lab Sample ID: 480-26562-15 | Date Sampled: 10/11/2012 0830
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23070.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1937			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1937				

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

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16
Client Matrix: Water

Date Sampled: 10/11/2012 0930
Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23066.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1757			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1757				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	1.7	J	1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	0.75	J	0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	13		3.0	10
Benzene	0.52	J	0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	1000	E	0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	92		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16 | Date Sampled: 10/11/2012 0930
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23066.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1757			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1757				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-71-8	Dichlorodifluoromethane	4.60	2.8	
75-45-6	Chlorodifluoromethane	4.64	7.1	
75-43-4	Dichlorofluoromethane	6.29	0.67	J
75-65-0	2-Methyl-2-propanol	7.55	15	J
1634-04-4	Methyl tert-butyl ether	7.69	0.29	J
108-20-3	Isopropyl ether	8.06	1.0	

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16
Client Matrix: Water

Date Sampled: 10/11/2012 0930
Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85475	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23079.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	10/15/2012 1313	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/15/2012 1313				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		16	100
1,1,2,2-Tetrachloroethane	ND		4.2	100
1,1,2-Trichloroethane	ND		4.6	100
1,1-Dichloroethane	ND		7.6	100
1,1-Dichloroethene	ND		5.8	100
1,2-Dichloroethane	ND		4.2	100
1,2-Dichloropropane	ND		14	100
2-Butanone (MEK)	ND		26	200
2-Hexanone	ND		25	200
2-Methylthiophene	ND		8.8	200
3-Methylthiophene	ND		11	200
4-Methyl-2-pentanone (MIBK)	ND		42	200
Acetone	ND		60	200
Benzene	ND		8.2	20
Bromodichloromethane	ND		7.8	100
Bromoform	ND		5.2	100
Bromomethane	ND		14	200
Carbon disulfide	ND		3.8	100
Carbon tetrachloride	ND		5.4	100
Chlorobenzene	ND		15	100
Chloroethane	ND		6.4	200
Chloroform	ND		6.8	100
Chloromethane	ND		7.0	200
cis-1,2-Dichloroethene	ND		16	100
cis-1,3-Dichloropropene	ND		7.2	100
Dibromochloromethane	ND		6.4	100
Ethyl ether	1300		14	200
Ethylbenzene	ND		15	100
m&p-Xylene	ND		13	100
Methylene Chloride	ND		8.8	100
o-Xylene	ND		15	100
Styrene	ND		15	100
Tetrachloroethene	ND		7.2	100
Toluene	ND		10	100
trans-1,2-Dichloroethene	ND		18	100
trans-1,3-Dichloropropene	ND		7.4	100
Trichloroethene	ND		9.2	100
Vinyl chloride	ND		18	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	94		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16 | Date Sampled: 10/11/2012 0930
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85475	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23079.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	10/15/2012 1313	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	10/15/2012 1313				

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

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-003**

Lab Sample ID: 480-26562-17
Client Matrix: Water

Date Sampled: 10/11/2012 1015
Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23067.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1822			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1822				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	91		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-003**

Lab Sample ID: 480-26562-17 | Date Sampled: 10/11/2012 1015
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23067.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1822			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1822				

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

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-004**

Lab Sample ID: 480-26562-18
Client Matrix: Water

Date Sampled: 10/11/2012 1130
Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23068.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1847			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1847				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	93		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-004**

Lab Sample ID: 480-26562-18 | Date Sampled: 10/11/2012 1130
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23068.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1847			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1847				

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

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

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-005**

Lab Sample ID: 480-26562-19 | Date Sampled: 10/11/2012 1215
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23069.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1912			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1912				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	94		71 - 126

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-005**

Lab Sample ID: 480-26562-19 | Date Sampled: 10/11/2012 1215
Client Matrix: Water | Date Received: 10/12/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C23069.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1912			Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1912				

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

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-001**

Lab Sample ID: 480-26562-15
Client Matrix: Water

Date Sampled: 10/11/2012 0830
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6038.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1600			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.1	24
1,2-Dichlorobenzene	ND		0.98	24
1,3-Dichlorobenzene	ND		1.2	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.3	12
2,4,5-Trichlorophenol	ND		1.2	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.4	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.98	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.5	12
2-Methylphenol	ND		0.98	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.2	12
3,3'-Dichlorobenzidine	ND		0.98	12
3-Nitroaniline	ND		1.2	24
4,6-Dinitro-2-methylphenol	ND		5.4	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.85	12
4-Methylphenol	ND		0.88	24
4-Nitroaniline	ND		0.61	24
4-Nitrophenol	ND		3.7	24
Acenaphthene	ND		1.0	12
Acenaphthylene	ND		0.93	12
Anthracene	ND		0.68	12
Benzaldehyde	ND		0.65	12
Benzo(a)anthracene	ND		0.88	12
Benzo(a)pyrene	1.1	J	1.1	12
Benzo(b)fluoranthene	1.1	J B	0.83	12
Benzo(g,h,i)perylene	2.0	J B	0.85	12
Benzo(k)fluoranthene	ND		1.8	12
Bis(2-chloroethoxy)methane	ND		0.85	12
Bis(2-chloroethyl)ether	ND		0.98	12
Bis(2-ethylhexyl) phthalate	ND		4.4	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.73	12
Chrysene	1.4	J B	0.80	12
Dibenz(a,h)anthracene	7.8	J B	1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.54	12

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-001**

Lab Sample ID: 480-26562-15
Client Matrix: Water

Date Sampled: 10/11/2012 0830
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6038.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1600			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.88	12
Di-n-butyl phthalate	ND		0.76	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.98	12
Fluorene	ND		0.88	12
Hexachlorobenzene	ND	*	1.2	12
Hexachlorobutadiene	ND		1.7	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	1.9	J B	1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.9	12
Nitrobenzene	ND		0.71	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.4	24
Phenanthrene	ND		1.1	12
Phenol	ND		0.95	12
Pyrene	ND		0.83	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	111		52 - 132
2-Fluorobiphenyl	98		48 - 120
2-Fluorophenol	72		20 - 120
Nitrobenzene-d5	97		46 - 120
Phenol-d5	60		16 - 120
p-Terphenyl-d14	111		67 - 150

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-001**

Lab Sample ID: 480-26562-15
Client Matrix: Water

Date Sampled: 10/11/2012 0830
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6038.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1600			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

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

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16
Client Matrix: Water

Date Sampled: 10/11/2012 0930
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6039.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	10/18/2012 1624			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.95	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.95	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.95	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.95	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.83	12
4-Methylphenol	ND		0.86	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.98	12
Acenaphthylene	ND		0.90	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	1.3	J	0.86	12
Benzo(a)pyrene	1.1	J	1.1	12
Benzo(b)fluoranthene	1.1	J B	0.81	12
Benzo(g,h,i)perylene	1.6	J B	0.83	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.83	12
Bis(2-chloroethyl)ether	ND		0.95	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.71	12
Chrysene	1.3	J B	0.79	12
Dibenz(a,h)anthracene	7.0	J B	1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16
Client Matrix: Water

Date Sampled: 10/11/2012 0930
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6039.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	10/18/2012 1624			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.86	12
Di-n-butyl phthalate	ND		0.74	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.95	12
Fluorene	ND		0.86	12
Hexachlorobenzene	ND	*	1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	1.6	J B	1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.69	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.93	12
Pyrene	ND		0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	118		52 - 132
2-Fluorobiphenyl	105		48 - 120
2-Fluorophenol	83		20 - 120
Nitrobenzene-d5	104		46 - 120
Phenol-d5	72		16 - 120
p-Terphenyl-d14	132		67 - 150

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-002**

Lab Sample ID: 480-26562-16
Client Matrix: Water

Date Sampled: 10/11/2012 0930
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6039.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	10/18/2012 1624			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.52	30	T J
	Unknown	5.85	18	T J
	Unknown	9.74	38	T J
115-44-6	Talbutal	11.07	41	T J N
	Unknown	11.71	15	T J
115-38-8	Mephobarbital	11.94	31	T J N
50-6-6	Phenobarbital	12.22	45	T J N
	Unknown	12.26	38	T J
519-98-2	3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimeth	13.44	26	T J N

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-003**

Lab Sample ID: 480-26562-17
Client Matrix: Water

Date Sampled: 10/11/2012 1015
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6040.D
Dilution:	1.0			Initial Weight/Volume:	415 mL
Analysis Date:	10/18/2012 1648			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.1	24
1,2-Dichlorobenzene	ND		0.96	24
1,3-Dichlorobenzene	ND		1.2	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.3	12
2,4,5-Trichlorophenol	ND		1.2	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.96	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.96	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.2	12
3,3'-Dichlorobenzidine	ND		0.96	12
3-Nitroaniline	ND		1.2	24
4,6-Dinitro-2-methylphenol	ND		5.3	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.84	12
4-Methylphenol	ND		0.87	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.7	24
Acenaphthene	ND		0.99	12
Acenaphthylene	ND		0.92	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	1.2	J	0.87	12
Benzo(a)pyrene	1.2	J	1.1	12
Benzo(b)fluoranthene	1.1	J B	0.82	12
Benzo(g,h,i)perylene	1.7	J B	0.84	12
Benzo(k)fluoranthene	ND		1.8	12
Bis(2-chloroethoxy)methane	ND		0.84	12
Bis(2-chloroethyl)ether	ND		0.96	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.72	12
Chrysene	1.3	J B	0.80	12
Dibenz(a,h)anthracene	7.4	J B	1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.53	12

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-003**

Lab Sample ID: 480-26562-17
Client Matrix: Water

Date Sampled: 10/11/2012 1015
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6040.D
Dilution:	1.0			Initial Weight/Volume:	415 mL
Analysis Date:	10/18/2012 1648			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.87	12
Di-n-butyl phthalate	ND		0.75	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.96	12
Fluorene	ND		0.87	12
Hexachlorobenzene	ND	*	1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	1.6	J B	1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.70	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.3	24
Phenanthrene	ND		1.1	12
Phenol	ND		0.94	12
Pyrene	ND		0.82	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	158	X	52 - 132
2-Fluorobiphenyl	134	X	48 - 120
2-Fluorophenol	100		20 - 120
Nitrobenzene-d5	134	X	46 - 120
Phenol-d5	86		16 - 120
p-Terphenyl-d14	147		67 - 150

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-003**

Lab Sample ID: 480-26562-17
Client Matrix: Water

Date Sampled: 10/11/2012 1015
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6040.D
Dilution:	1.0			Initial Weight/Volume:	415 mL
Analysis Date:	10/18/2012 1648			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.52	33	T J

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-004**

Lab Sample ID: 480-26562-18
Client Matrix: Water

Date Sampled: 10/11/2012 1130
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6041.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1713			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.1	24
1,2-Dichlorobenzene	ND		0.98	24
1,3-Dichlorobenzene	ND		1.2	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.3	12
2,4,5-Trichlorophenol	ND		1.2	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.4	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.98	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.5	12
2-Methylphenol	ND		0.98	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.2	12
3,3'-Dichlorobenzidine	ND		0.98	12
3-Nitroaniline	ND		1.2	24
4,6-Dinitro-2-methylphenol	ND		5.4	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.85	12
4-Methylphenol	ND		0.88	24
4-Nitroaniline	ND		0.61	24
4-Nitrophenol	ND		3.7	24
Acenaphthene	ND		1.0	12
Acenaphthylene	ND		0.93	12
Anthracene	ND		0.68	12
Benzaldehyde	ND		0.65	12
Benzo(a)anthracene	ND		0.88	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	1.0	J B	0.83	12
Benzo(g,h,i)perylene	1.4	J B	0.85	12
Benzo(k)fluoranthene	ND		1.8	12
Bis(2-chloroethoxy)methane	ND		0.85	12
Bis(2-chloroethyl)ether	ND		0.98	12
Bis(2-ethylhexyl) phthalate	ND		4.4	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.73	12
Chrysene	1.4	J B	0.80	12
Dibenz(a,h)anthracene	7.2	J B	1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.54	12

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-004**

Lab Sample ID: 480-26562-18
Client Matrix: Water

Date Sampled: 10/11/2012 1130
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6041.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1713			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.88	12
Di-n-butyl phthalate	ND		0.76	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.98	12
Fluorene	ND		0.88	12
Hexachlorobenzene	ND	*	1.2	12
Hexachlorobutadiene	ND		1.7	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	1.3	J B	1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.9	12
Nitrobenzene	ND		0.71	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.4	24
Phenanthrene	ND		1.1	12
Phenol	ND		0.95	12
Pyrene	ND		0.83	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	117		52 - 132
2-Fluorobiphenyl	105		48 - 120
2-Fluorophenol	79		20 - 120
Nitrobenzene-d5	104		46 - 120
Phenol-d5	67		16 - 120
p-Terphenyl-d14	124		67 - 150

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-004**

Lab Sample ID: 480-26562-18
Client Matrix: Water

Date Sampled: 10/11/2012 1130
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6041.D
Dilution:	1.0			Initial Weight/Volume:	410 mL
Analysis Date:	10/18/2012 1713			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.52	28	T J

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-005**

Lab Sample ID: 480-26562-19
Client Matrix: Water

Date Sampled: 10/11/2012 1215
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6042.D
Dilution:	1.0			Initial Weight/Volume:	425 mL
Analysis Date:	10/18/2012 1737			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.94	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.4	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.2	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.94	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.2	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.94	12
2-Nitroaniline	ND		0.99	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.94	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.82	12
4-Methylphenol	ND		0.85	24
4-Nitroaniline	ND		0.59	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.96	12
Acenaphthylene	ND		0.89	12
Anthracene	ND		0.66	12
Benzaldehyde	ND		0.63	12
Benzo(a)anthracene	0.91	J	0.85	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	ND		0.80	12
Benzo(g,h,i)perylene	1.0	J B	0.82	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.82	12
Bis(2-chloroethyl)ether	ND		0.94	12
Bis(2-ethylhexyl) phthalate	ND		4.2	12
Butyl benzyl phthalate	ND		0.99	12
Carbazole	ND		0.71	12
Chrysene	1.0	J B	0.78	12
Dibenz(a,h)anthracene	6.7	J B	0.99	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-005**

Lab Sample ID: 480-26562-19
Client Matrix: Water

Date Sampled: 10/11/2012 1215
Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6042.D
Dilution:	1.0			Initial Weight/Volume:	425 mL
Analysis Date:	10/18/2012 1737			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.85	12
Di-n-butyl phthalate	ND		0.73	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.94	12
Fluorene	ND		0.85	12
Hexachlorobenzene	ND	*	1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	ND		1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.68	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.92	12
Pyrene	ND		0.80	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	106		52 - 132
2-Fluorobiphenyl	92		48 - 120
2-Fluorophenol	67		20 - 120
Nitrobenzene-d5	91		46 - 120
Phenol-d5	57		16 - 120
p-Terphenyl-d14	102		67 - 150

Client: NPEC - Sterling | Job Number: 480-26562-1

Client Sample ID: **GW-007830-101112-005**

Lab Sample ID: 480-26562-19 | Date Sampled: 10/11/2012 1215
Client Matrix: Water | Date Received: 10/12/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Prep Method:	3510C	Prep Batch:	480-85908	Lab File ID:	V6042.D
Dilution:	1.0			Initial Weight/Volume:	425 mL
Analysis Date:	10/18/2012 1737			Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL

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

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

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-26562-15	GW-007830-101112-001	89	92	90
480-26562-16	GW-007830-101112-002	89	92	92
480-26562-16 DL	GW-007830-101112-002 DL	93	94	95
480-26562-17	GW-007830-101112-003	90	91	90
480-26562-18	GW-007830-101112-004	88	93	91
480-26562-19	GW-007830-101112-005	93	94	93
MB 480-85412/5		85	91	94
MB 480-85475/5		87	92	94
LCS 480-85412/4		84	91	93
LCS 480-85475/4		83	90	94

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: NPEC - Sterling Job Number: 480-26562-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-26562-15	GW-007830-101112-001	72	60	97	98	111	111
480-26562-16	GW-007830-101112-002	83	72	104	105	118	132
480-26562-17	GW-007830-101112-003	100	86	134X	134X	158X	147
480-26562-18	GW-007830-101112-004	79	67	104	105	117	124
480-26562-19	GW-007830-101112-005	67	57	91	92	106	102
MB 480-85908/1-A		51	34	89	87	115	127
LCS 480-85908/2-A		57	39	100	100	124	120

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank - Batch: 480-85412

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-85412/5	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C23052.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1150	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1150				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	91	71 - 126

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank TICs- Batch: 480-85412

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

Lab Control Sample - Batch: 480-85412

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-85412/4	Analysis Batch:	480-85412	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C23051.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/14/2012 1125	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/14/2012 1125				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	21.7	87	71 - 129	
1,1-Dichloroethene	25.0	17.7	71	58 - 121	
1,2-Dichloroethane	25.0	23.2	93	75 - 127	
Benzene	25.0	23.5	94	71 - 124	
Chlorobenzene	25.0	24.2	97	72 - 120	
cis-1,2-Dichloroethene	25.0	23.0	92	74 - 124	
Ethylbenzene	25.0	23.4	94	77 - 123	
m&p-Xylene	50.0	48.9	98	76 - 122	
o-Xylene	25.0	24.2	97	76 - 122	
Tetrachloroethene	25.0	23.7	95	74 - 122	
Toluene	25.0	24.0	96	80 - 122	
trans-1,2-Dichloroethene	25.0	23.0	92	73 - 127	
Trichloroethene	25.0	23.1	92	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	66 - 137
4-Bromofluorobenzene (Surr)	93	73 - 120
Toluene-d8 (Surr)	91	71 - 126

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank - Batch: 480-85475

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-85475/5	Analysis Batch:	480-85475	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C23078.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/15/2012 1233	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/15/2012 1233				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	92	71 - 126

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank TICs- Batch: 480-85475

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

Lab Control Sample - Batch: 480-85475

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-85475/4	Analysis Batch:	480-85475	Instrument ID:	HP5973C
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C23077.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/15/2012 1208	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	10/15/2012 1208				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	22.9	92	71 - 129	
1,1-Dichloroethene	25.0	19.4	78	58 - 121	
1,2-Dichloroethane	25.0	24.3	97	75 - 127	
Benzene	25.0	24.2	97	71 - 124	
Chlorobenzene	25.0	25.0	100	72 - 120	
cis-1,2-Dichloroethene	25.0	23.7	95	74 - 124	
Ethylbenzene	25.0	24.0	96	77 - 123	
m&p-Xylene	50.0	50.5	101	76 - 122	
o-Xylene	25.0	25.1	100	76 - 122	
Tetrachloroethene	25.0	25.1	100	74 - 122	
Toluene	25.0	24.5	98	80 - 122	
trans-1,2-Dichloroethene	25.0	23.0	92	73 - 127	
Trichloroethene	25.0	24.6	98	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	90	71 - 126

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank - Batch: 480-85908

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-85908/1-A	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Client Matrix:	Water	Prep Batch:	480-85908	Lab File ID:	V6030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/18/2012 1237	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	1.63	J	0.44	10
1,2-Dichlorobenzene	ND		0.40	10
1,3-Dichlorobenzene	ND		0.48	10
1,4-Dichlorobenzene	ND		0.46	10
2,2'-Oxybis(1-chloropropane)	ND		0.52	5.0
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND		0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	ND		0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND		0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	ND		0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Anthracene	ND		0.28	5.0
Benzaldehyde	ND		0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	0.369	J	0.34	5.0
Benzo(g,h,i)perylene	0.680	J	0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	ND		1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Carbazole	ND		0.30	5.0
Chrysene	0.481	J	0.33	5.0
Dibenz(a,h)anthracene	3.03	J	0.42	5.0
Dibenzofuran	ND		0.51	10

Client: NPEC - Sterling

Job Number: 480-26562-1

Method Blank - Batch: 480-85908

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-85908/1-A	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Client Matrix:	Water	Prep Batch:	480-85908	Lab File ID:	V6030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/18/2012 1237	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Di-n-butyl phthalate	ND		0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	0.606	J	0.47	5.0
Isophorone	ND		0.43	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	115	52 - 132
2-Fluorobiphenyl	87	48 - 120
2-Fluorophenol	51	20 - 120
Nitrobenzene-d5	89	46 - 120
Phenol-d5	34	16 - 120
p-Terphenyl-d14	127	67 - 150

Method Blank TICs- Batch: 480-85908

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

Client: NPEC - Sterling

Job Number: 480-26562-1

Lab Control Sample - Batch: 480-85908

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 480-85908/2-A	Analysis Batch:	480-86214	Instrument ID:	HP5973V
Client Matrix:	Water	Prep Batch:	480-85908	Lab File ID:	V6031.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/18/2012 1301	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	10/17/2012 0659			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	100	88.7	89	40 - 120	
1,4-Dichlorobenzene	100	71.6	72	32 - 120	
2,4-Dinitrotoluene	100	122	122	65 - 154	
2-Chlorophenol	100	88.1	88	48 - 120	
4-Chloro-3-methylphenol	100	107	107	64 - 120	
4-Nitrophenol	100	47.3	47	16 - 120	
Acenaphthene	100	103	103	60 - 120	
Bis(2-ethylhexyl) phthalate	100	111	111	53 - 158	
Fluorene	100	108	108	55 - 143	
Hexachloroethane	100	69.5	69	14 - 101	
N-Nitrosodi-n-propylamine	100	102	102	56 - 120	
Pentachlorophenol	100	108	108	39 - 136	
Phenol	100	45.1	45	17 - 120	
Pyrene	100	107	107	58 - 136	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	124	52 - 132
2-Fluorobiphenyl	100	48 - 120
2-Fluorophenol	57	20 - 120
Nitrobenzene-d5	100	46 - 120
Phenol-d5	39	16 - 120
p-Terphenyl-d14	120	67 - 150

DATA REPORTING QUALIFIERS

Client: NPEC - Sterling Job Number: 480-26562-1

Lab Section	Qualifier	Description
GC/MS VOA		
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits

Client: NPEC - Sterling

Job Number: 480-26562-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-85412					
LCS 480-85412/4	Lab Control Sample	T	Water	8260B	
MB 480-85412/5	Method Blank	T	Water	8260B	
480-26562-15	GW-007830-101112-001	T	Water	8260B	
480-26562-16	GW-007830-101112-002	T	Water	8260B	
480-26562-17	GW-007830-101112-003	T	Water	8260B	
480-26562-18	GW-007830-101112-004	T	Water	8260B	
480-26562-19	GW-007830-101112-005	T	Water	8260B	
Analysis Batch:480-85475					
LCS 480-85475/4	Lab Control Sample	T	Water	8260B	
MB 480-85475/5	Method Blank	T	Water	8260B	
480-26562-16DL	GW-007830-101112-002	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 480-85908					
LCS 480-85908/2-A	Lab Control Sample	T	Water	3510C	
MB 480-85908/1-A	Method Blank	T	Water	3510C	
480-26562-15	GW-007830-101112-001	T	Water	3510C	
480-26562-16	GW-007830-101112-002	T	Water	3510C	
480-26562-17	GW-007830-101112-003	T	Water	3510C	
480-26562-18	GW-007830-101112-004	T	Water	3510C	
480-26562-19	GW-007830-101112-005	T	Water	3510C	
Analysis Batch:480-86214					
LCS 480-85908/2-A	Lab Control Sample	T	Water	8270C	480-85908
MB 480-85908/1-A	Method Blank	T	Water	8270C	480-85908
480-26562-15	GW-007830-101112-001	T	Water	8270C	480-85908
480-26562-16	GW-007830-101112-002	T	Water	8270C	480-85908
480-26562-17	GW-007830-101112-003	T	Water	8270C	480-85908
480-26562-18	GW-007830-101112-004	T	Water	8270C	480-85908
480-26562-19	GW-007830-101112-005	T	Water	8270C	480-85908

Report Basis
T = Total

Client: NPEC - Sterling Job Number: 480-26562-1

Laboratory Chronicle

Lab ID: 480-26562-15 **Client ID: GW-007830-101112-001**

Sample Date/Time: 10/11/2012 08:30 Received Date/Time: 10/12/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26562-B-15		480-85412		10/14/2012 19:37	1	TAL BUF	LH
A:8260B	480-26562-B-15		480-85412		10/14/2012 19:37	1	TAL BUF	LH
P:3510C	480-26562-A-15-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	480-26562-A-15-A		480-86214	480-85908	10/18/2012 16:00	1	TAL BUF	HTL

Lab ID: 480-26562-16 **Client ID: GW-007830-101112-002**

Sample Date/Time: 10/11/2012 09:30 Received Date/Time: 10/12/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26562-B-16		480-85412		10/14/2012 17:57	1	TAL BUF	LH
A:8260B	480-26562-B-16		480-85412		10/14/2012 17:57	1	TAL BUF	LH
P:5030B	480-26562-C-16	DL	480-85475		10/15/2012 13:13	20	TAL BUF	TRF
A:8260B	480-26562-C-16	DL	480-85475		10/15/2012 13:13	20	TAL BUF	TRF
P:3510C	480-26562-A-16-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	480-26562-A-16-A		480-86214	480-85908	10/18/2012 16:24	1	TAL BUF	HTL

Lab ID: 480-26562-17 **Client ID: GW-007830-101112-003**

Sample Date/Time: 10/11/2012 10:15 Received Date/Time: 10/12/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26562-B-17		480-85412		10/14/2012 18:22	1	TAL BUF	LH
A:8260B	480-26562-B-17		480-85412		10/14/2012 18:22	1	TAL BUF	LH
P:3510C	480-26562-A-17-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	480-26562-A-17-A		480-86214	480-85908	10/18/2012 16:48	1	TAL BUF	HTL

Lab ID: 480-26562-18 **Client ID: GW-007830-101112-004**

Sample Date/Time: 10/11/2012 11:30 Received Date/Time: 10/12/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26562-B-18		480-85412		10/14/2012 18:47	1	TAL BUF	LH
A:8260B	480-26562-B-18		480-85412		10/14/2012 18:47	1	TAL BUF	LH
P:3510C	480-26562-A-18-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	480-26562-A-18-A		480-86214	480-85908	10/18/2012 17:13	1	TAL BUF	HTL

Client: NPEC - Sterling Job Number: 480-26562-1

Laboratory Chronicle

Lab ID: 480-26562-19 **Client ID:** GW-007830-101112-005

Sample Date/Time: 10/11/2012 12:15 Received Date/Time: 10/12/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-26562-B-19		480-85412		10/14/2012 19:12	1	TAL BUF	LH
A:8260B	480-26562-B-19		480-85412		10/14/2012 19:12	1	TAL BUF	LH
P:3510C	480-26562-A-19-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	480-26562-A-19-A		480-86214	480-85908	10/18/2012 17:37	1	TAL BUF	HTL

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:5030B	MB 480-85412/5		480-85412		10/14/2012 11:50	1	TAL BUF	LH
A:8260B	MB 480-85412/5		480-85412		10/14/2012 11:50	1	TAL BUF	LH
P:5030B	MB 480-85475/5		480-85475		10/15/2012 12:33	1	TAL BUF	TRF
A:8260B	MB 480-85475/5		480-85475		10/15/2012 12:33	1	TAL BUF	TRF
P:3510C	MB 480-85908/1-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	MB 480-85908/1-A		480-86214	480-85908	10/18/2012 12:37	1	TAL BUF	HTL

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:5030B	LCS 480-85412/4		480-85412		10/14/2012 11:25	1	TAL BUF	LH
A:8260B	LCS 480-85412/4		480-85412		10/14/2012 11:25	1	TAL BUF	LH
P:5030B	LCS 480-85475/4		480-85475		10/15/2012 12:08	1	TAL BUF	TRF
A:8260B	LCS 480-85475/4		480-85475		10/15/2012 12:08	1	TAL BUF	TRF
P:3510C	LCS 480-85908/2-A		480-86214	480-85908	10/17/2012 06:59	1	TAL BUF	TR
A:8270C	LCS 480-85908/2-A		480-86214	480-85908	10/18/2012 13:01	1	TAL BUF	HTL

Lab References:
TAL BUF = TestAmerica Buffalo

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

Certification Summary

Client: NPEC - Sterling
Project/Site: Sterling Site #3

TestAmerica Job ID: 480-26562-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	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	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	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	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	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

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.

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (30) ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
GW-007830-101112-001	480-26562-15	89	92	90
GW-007830-101112-002	480-26562-16	89	92	92
GW-007830-101112-002 DL	480-26562-16 DL	93	94	95
GW-007830-101112-003	480-26562-17	90	91	90
GW-007830-101112-004	480-26562-18	88	93	91
GW-007830-101112-005	480-26562-19	93	94	93
	MB 480-85412/5	85	91	94
	MB 480-85475/5	87	92	94
	LCS 480-85412/4	84	91	93
	LCS 480-85475/4	83	90	94

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C23051.D

Lab ID: LCS 480-85412/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	21.7	87	71-129	
1,1-Dichloroethene	25.0	17.7	71	58-121	
1,2-Dichloroethane	25.0	23.2	93	75-127	
Benzene	25.0	23.5	94	71-124	
Chlorobenzene	25.0	24.2	97	72-120	
cis-1,2-Dichloroethene	25.0	23.0	92	74-124	
Ethylbenzene	25.0	23.4	94	77-123	
m&p-Xylene	50.0	48.9	98	76-122	
o-Xylene	25.0	24.2	97	76-122	
Tetrachloroethene	25.0	23.7	95	74-122	
Toluene	25.0	24.0	96	80-122	
trans-1,2-Dichloroethene	25.0	23.0	92	73-127	
Trichloroethene	25.0	23.1	92	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Matrix: Water Level: Low Lab File ID: C23077.D

Lab ID: LCS 480-85475/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	22.9	92	71-129	
1,1-Dichloroethene	25.0	19.4	78	58-121	
1,2-Dichloroethane	25.0	24.3	97	75-127	
Benzene	25.0	24.2	97	71-124	
Chlorobenzene	25.0	25.0	100	72-120	
cis-1,2-Dichloroethene	25.0	23.7	95	74-124	
Ethylbenzene	25.0	24.0	96	77-123	
m&p-Xylene	50.0	50.5	101	76-122	
o-Xylene	25.0	25.1	100	76-122	
Tetrachloroethene	25.0	25.1	100	74-122	
Toluene	25.0	24.5	98	80-122	
trans-1,2-Dichloroethene	25.0	23.0	92	73-127	
Trichloroethene	25.0	24.6	98	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: C23052.D Lab Sample ID: MB 480-85412/5

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

Instrument ID: HP5973C Date Analyzed: 10/14/2012 11:50

GC Column: ZB-624 (30) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-85412/4	C23051.D	10/14/2012 11:25
GW-007830-101112-002	480-26562-16	C23066.D	10/14/2012 17:57
GW-007830-101112-003	480-26562-17	C23067.D	10/14/2012 18:22
GW-007830-101112-004	480-26562-18	C23068.D	10/14/2012 18:47
GW-007830-101112-005	480-26562-19	C23069.D	10/14/2012 19:12
GW-007830-101112-001	480-26562-15	C23070.D	10/14/2012 19:37

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: C23078.D Lab Sample ID: MB 480-85475/5

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

Instrument ID: HP5973C Date Analyzed: 10/15/2012 12:33

GC Column: ZB-624 (30) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-85475/4	C23077.D	10/15/2012 12:08
GW-007830-101112-002 DL	480-26562-16 DL	C23079.D	10/15/2012 13:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: C22817.D BFB Injection Date: 10/05/2012

Instrument ID: HP5973C BFB Injection Time: 14:09

Analysis Batch No.: 84069

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.9	
75	30.0 - 60.0 % of mass 95	48.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.4	(0.5)1
174	50.0 - 120.00 % of mass 95	74.7	
175	5.0 - 9.0 % of mass 174	5.5	(7.3)1
176	95.0 - 101.0 % of mass 174	73.2	(98.1)1
177	5.0 - 9.0 % of mass 176	5.1	(6.9)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 480-84069/2	C22819.D	10/05/2012	15:04
	IC 480-84069/3	C22820.D	10/05/2012	15:29
	IC 480-84069/4	C22821.D	10/05/2012	15:54
	ICIS 480-84069/5	C22822.D	10/05/2012	16:19
	IC 480-84069/6	C22823.D	10/05/2012	16:44
	IC 480-84069/7	C22824.D	10/05/2012	17:09
	IC 480-84069/10	C22830.D	10/05/2012	19:40
	IC 480-84069/11	C22831.D	10/05/2012	20:05
	IC 480-84069/12	C22832.D	10/05/2012	20:30
	IC 480-84069/13	C22833.D	10/05/2012	20:56
	IC 480-84069/14	C22834.D	10/05/2012	21:21
	IC 480-84069/15	C22835.D	10/05/2012	21:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: C23048.D BFB Injection Date: 10/14/2012

Instrument ID: HP5973C BFB Injection Time: 09:49

Analysis Batch No.: 85412

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.4	
75	30.0 - 60.0 % of mass 95	47.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	75.9	
175	5.0 - 9.0 % of mass 174	6.1	(8.1)1
176	95.0 - 101.0 % of mass 174	73.9	(97.4)1
177	5.0 - 9.0 % of mass 176	5.0	(6.8)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 480-85412/2	C23049.D	10/14/2012	10:34
	CCV 480-85412/3	C23050.D	10/14/2012	10:59
	LCS 480-85412/4	C23051.D	10/14/2012	11:25
	MB 480-85412/5	C23052.D	10/14/2012	11:50
GW-007830-101112-002	480-26562-16	C23066.D	10/14/2012	17:57
GW-007830-101112-003	480-26562-17	C23067.D	10/14/2012	18:22
GW-007830-101112-004	480-26562-18	C23068.D	10/14/2012	18:47
GW-007830-101112-005	480-26562-19	C23069.D	10/14/2012	19:12
GW-007830-101112-001	480-26562-15	C23070.D	10/14/2012	19:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: C23074.D BFB Injection Date: 10/15/2012

Instrument ID: HP5973C BFB Injection Time: 10:33

Analysis Batch No.: 85475

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	45.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	98.9	
175	5.0 - 9.0 % of mass 174	7.5	(7.6)1
176	95.0 - 101.0 % of mass 174	95.9	(97.0)1
177	5.0 - 9.0 % of mass 176	6.2	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-85475/2	C23075.D	10/15/2012	11:04
	CCV 480-85475/3	C23076.D	10/15/2012	11:44
	LCS 480-85475/4	C23077.D	10/15/2012	12:08
	MB 480-85475/5	C23078.D	10/15/2012	12:33
GW-007830-101112-002 DL	480-26562-16 DL	C23079.D	10/15/2012	13:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: ICIS 480-84069/5 Date Analyzed: 10/05/2012 16:19

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C22822.D Heated Purge: (Y/N) N

Calibration ID: 10749

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		541189	9.59	290568	11.97	273347	14.01
UPPER LIMIT		1082378	10.09	581136	12.47	546694	14.51
LOWER LIMIT		270595	9.09	145284	11.47	136674	13.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-85412/2		653541	9.59	350431	11.97	329857	14.01
CCVIS 480-85475/2		575957	9.59	317436	11.97	299505	14.01

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: CCVIS 480-85412/2 Date Analyzed: 10/14/2012 10:34

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C23049.D Heated Purge: (Y/N) N

Calibration ID: 10750

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		653541	9.59	350431	11.97	329857	14.01
UPPER LIMIT		1307082	10.09	700862	12.47	659714	14.51
LOWER LIMIT		326771	9.09	175216	11.47	164929	13.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-85412/3		639851	9.60	334964	11.97	325882	14.01
LCS 480-85412/4		644911	9.59	348508	11.97	322465	14.01
MB 480-85412/5		638774	9.59	339661	11.97	311118	14.01
480-26562-16	GW-007830-101112-002	584032	9.59	316913	11.97	306296	14.01
480-26562-17	GW-007830-101112-003	573875	9.59	319451	11.97	301043	14.01
480-26562-18	GW-007830-101112-004	576991	9.59	316495	11.97	298486	14.01
480-26562-19	GW-007830-101112-005	558357	9.59	308223	11.97	289202	14.01
480-26562-15	GW-007830-101112-001	572079	9.59	312093	11.97	296126	14.01

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: CCVIS 480-85475/2 Date Analyzed: 10/15/2012 11:04

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm)

Lab File ID (Standard): C23075.D Heated Purge: (Y/N) N

Calibration ID: 10750

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		575957	9.59	317436	11.97	299505	14.01
UPPER LIMIT		1151914	10.09	634872	12.47	599010	14.51
LOWER LIMIT		287979	9.09	158718	11.47	149753	13.51
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-85475/3		569942	9.59	304684	11.97	303035	14.01
LCS 480-85475/4		571256	9.60	312741	11.97	298725	14.01
MB 480-85475/5		557066	9.59	303162	11.97	291174	14.01
480-26562-16 DL	GW-007830-101112-002 DL	535854	9.59	298567	11.97	280011	14.01

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 | Lab Sample ID: 480-26562-15

Matrix: Water | Lab File ID: C23070.D

Analysis Method: 8260B | Date Collected: 10/11/2012 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 19:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 Lab Sample ID: 480-26562-15

Matrix: Water Lab File ID: C23070.D

Analysis Method: 8260B Date Collected: 10/11/2012 08:30

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 19:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	92		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 | Lab Sample ID: 480-26562-15

Matrix: Water | Lab File ID: C23070.D

Analysis Method: 8260B | Date Collected: 10/11/2012 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 19:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23070.D
Lims ID: 480-26562-B-15 Client ID: GW-007830-101112-001
Inject. Date: 14-Oct-2012 19:37:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-26562-B-15
Misc. Info.: 480-0015710-023
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 85412 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 15-Oct-2012 11:21:56 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:15:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.599	-0.011	96	572079	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	85	312093	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	296126	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.0	0	103015	22.1	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	594063	22.9	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	87	182806	22.5	
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59	6.658	6.658	0.0	60	3364	0.4319	
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43	7.074	7.062	0.012	60	3720	1.22	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43		8.615					
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					9
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78		9.374					9
58 1,2-Dichloroethane	62		9.398					
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92		10.833					
76 2-Methylthiophene	97		10.963					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.093					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					9
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
87 Chlorobenzene	112		11.995					
88 Ethylbenzene	91		11.995					9
90 m-Xylene & p-Xylene	106		12.078					
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

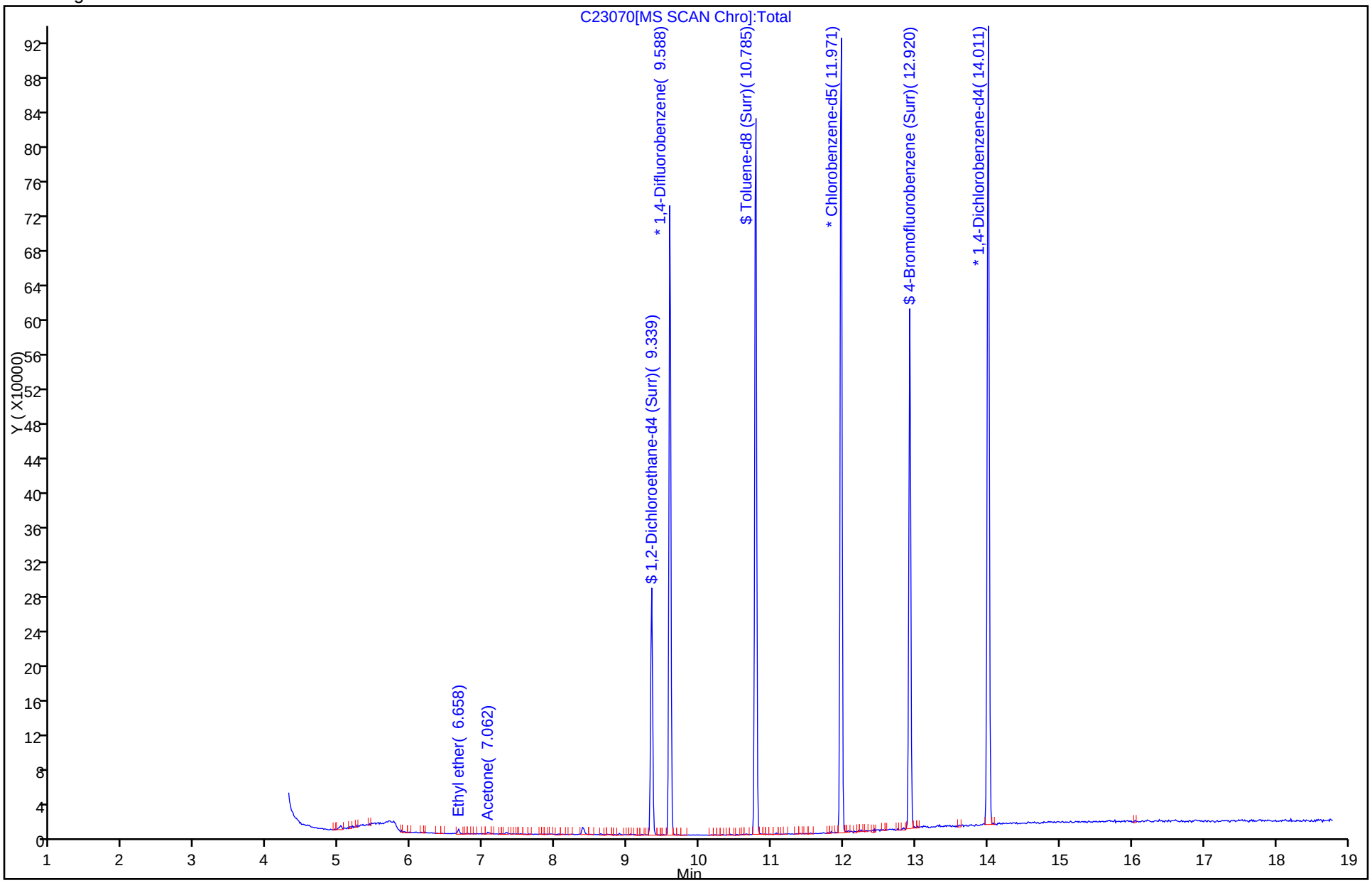
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 15-Oct-2012 11:21:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23070.D

Injection Date:	14-Oct-2012 19:37:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	23
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 | Lab Sample ID: 480-26562-16

Matrix: Water | Lab File ID: C23066.D

Analysis Method: 8260B | Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 17:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	1.7	J	10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	0.75	J	10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	13		10	3.0
71-43-2	Benzene	0.52	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	*Ethyl ether*	*1000*	*E*	*10*	*0.72*
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 Lab Sample ID: 480-26562-16

Matrix: Water Lab File ID: C23066.D

Analysis Method: 8260B Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 17:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	92		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 | Lab Sample ID: 480-26562-16

Matrix: Water | Lab File ID: C23066.D

Analysis Method: 8260B | Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 17:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

Number TICs Found: 6 | TIC Result Total: 26.86

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-71-8	Dichlorodifluoromethane	4.60	2.8	
75-45-6	Chlorodifluoromethane	4.64	7.1	
75-43-4	Dichlorofluoromethane	6.29	0.67	J
75-65-0	2-Methyl-2-propanol	7.55	15	J
1634-04-4	Methyl tert-butyl ether	7.69	0.29	J
108-20-3	Isopropyl ether	8.06	1.0	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D
Lims ID: 480-26562-B-16 Client ID: GW-007830-101112-002
Inject. Date: 14-Oct-2012 17:57:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-26562-B-16
Misc. Info.: 480-0015710-019
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 18
Lims Batch ID: 85412 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 15-Oct-2012 11:21:05 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:14:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.599	-0.011	96	584032	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	85	316913	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	306296	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.001	0	105416	22.2	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	606578	23.0	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	190456	23.1	
12 Chloromethane	50		5.034					9
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59	6.659	6.658	0.001	96	8244052	1036.7	E
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43	7.074	7.062	0.012	95	39678	12.8	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43	8.627	8.615	0.012	61	8128	1.65	
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78	9.374	9.374	0.0	66	16474	0.5187	
58 1,2-Dichloroethane	62		9.398					
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92	10.833	10.833	0.0	55	6920	0.3494	
76 2-Methylthiophene	97		10.963					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97	11.094	11.093	0.001	53	20305	0.7528	
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
87 Chlorobenzene	112		11.995					
88 Ethylbenzene	91		11.995					9
90 m-Xylene & p-Xylene	106		12.078					
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D		
Lims ID:	480-26562-B-16	Client ID:	GW-007830-101112-002
Inject. Date:	14-Oct-2012 17:57:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-26562-B-16		
Misc. Info.:	480-0015710-019		
Operator:	JMB	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	85412	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m		
Last Update:	15-Oct-2012 11:21:05	Calib Date:	05-Oct-2012 21:46:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	0		
Process Host:	XAWRK026		
First Level Reviewer: HillL		Date:	15-Oct-2012 11:14:19

Calibrated Tentative Identified Compound Results

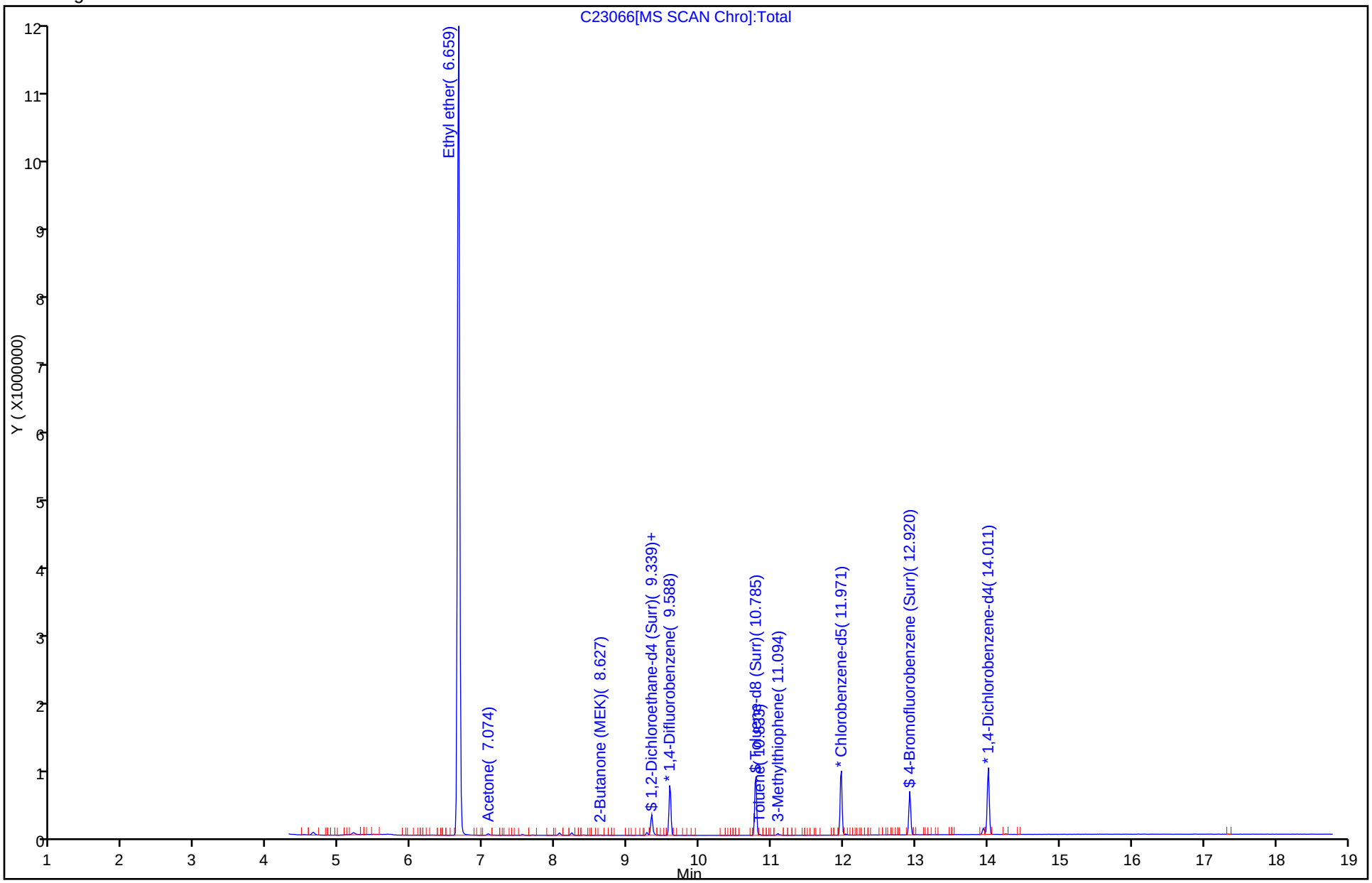
Compound	RT	Response	Amount ug/L	Flags
Dichlorodifluoromethane	4.595	6649	2.81	
Chlorodifluoromethane	4.643	89259	7.11	
Dichlorofluoromethane	6.291	10453	0.6695	
2-Methyl-2-propanol	7.548	16998	14.9	
Methyl tert-butyl ether	7.690	6594	0.2853	
Isopropyl ether	8.058	32104	1.05	

Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D

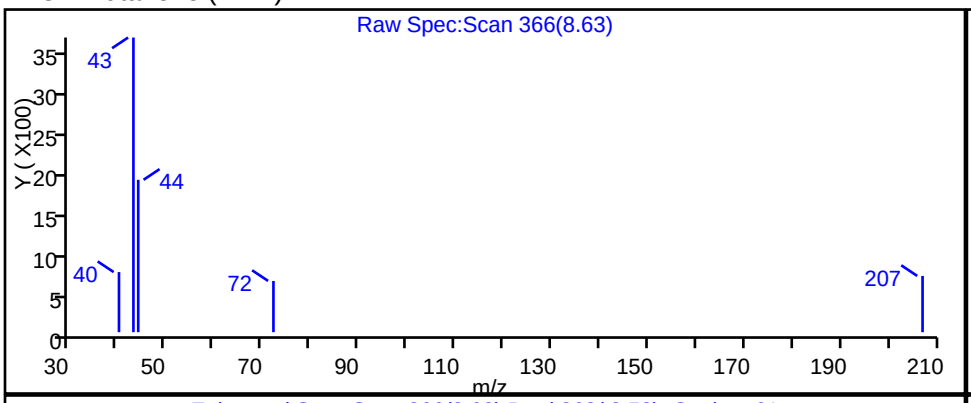
Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

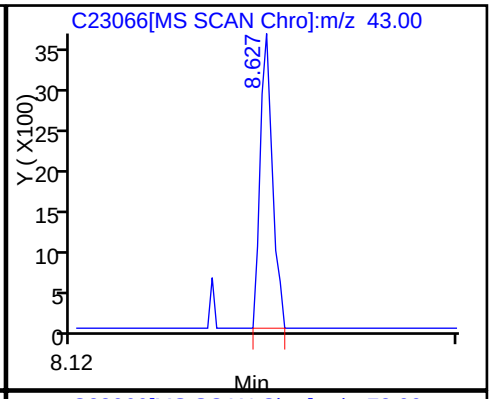
Y Scaling:

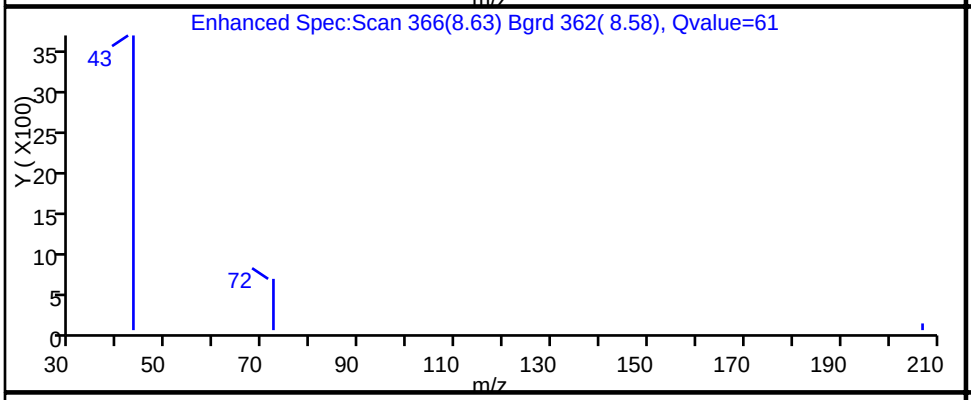


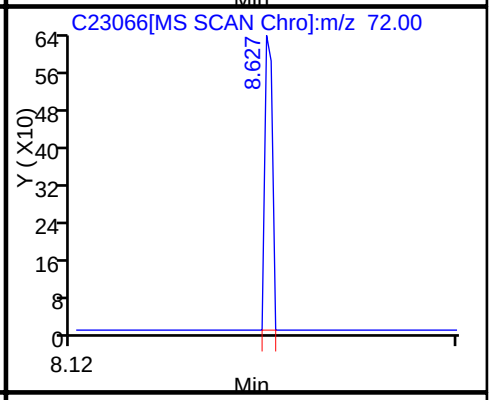
Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D
Injection Date: 14-Oct-2012 17:57:30 Limit Group: MV - 8260B ICAL
Client ID: GW-007830-101112-002 Instrument ID: HP5973C
Lims Batch ID: 85412 Lims Sample ID: 19
Operator ID: JMB
Column Type: ZB-624 Column Dia: 0.25 mm

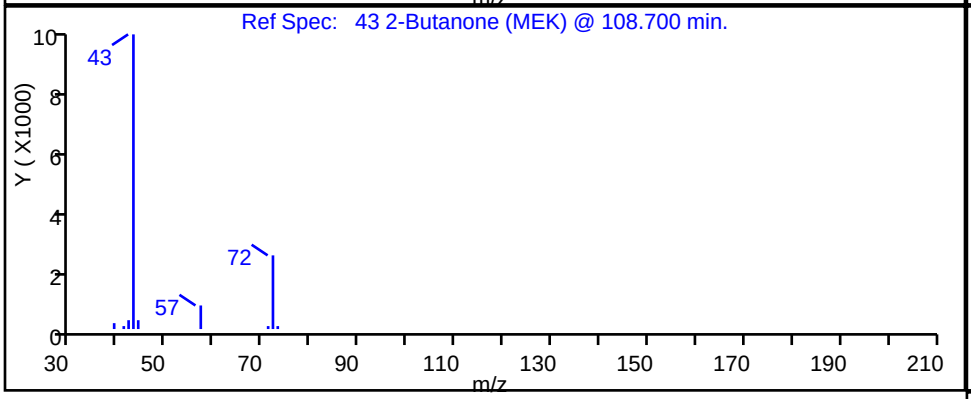
43 2-Butanone (MEK)

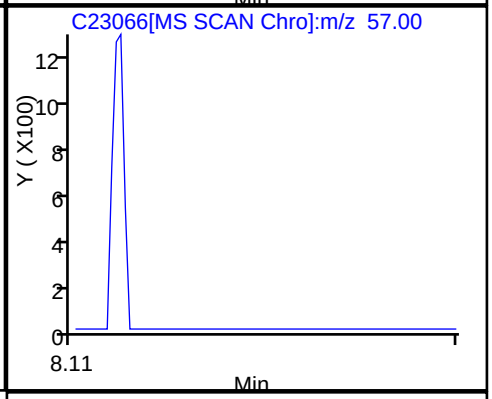


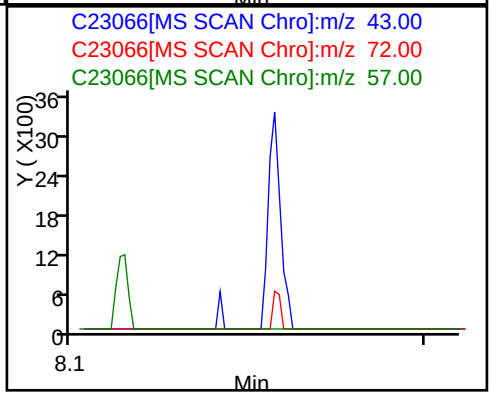










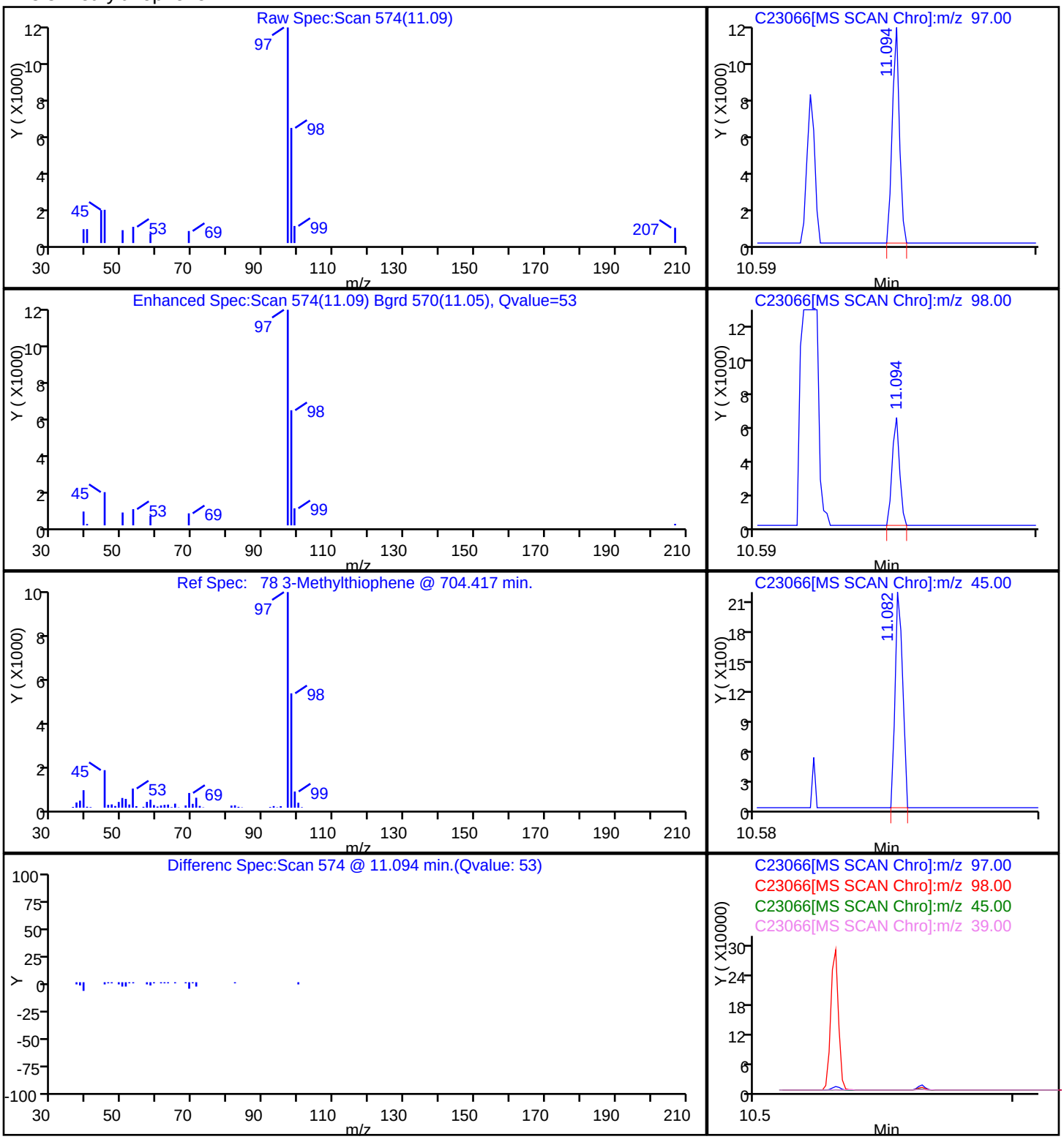


Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D

Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

78 3-Methylthiophene

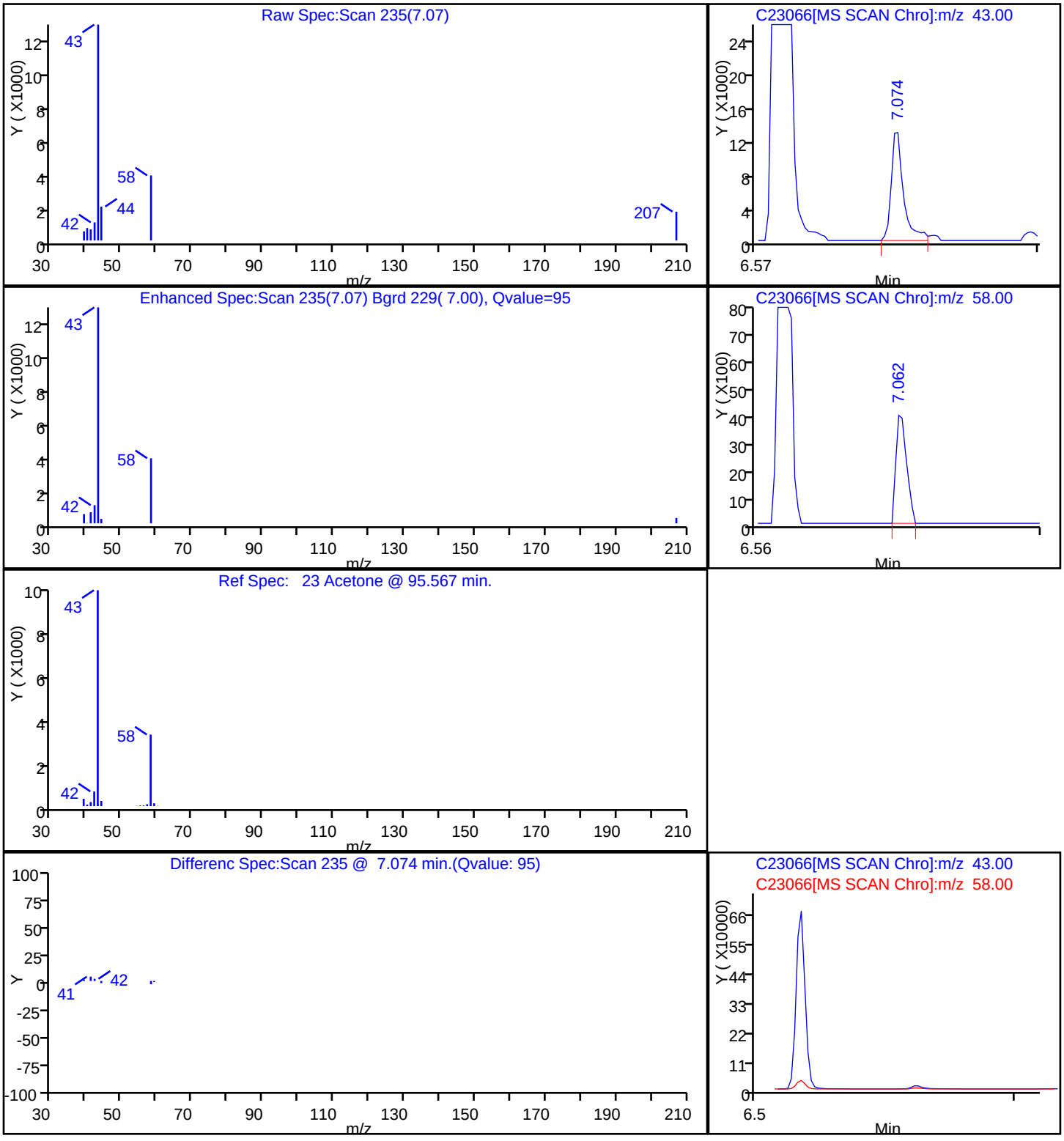


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Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Acetone

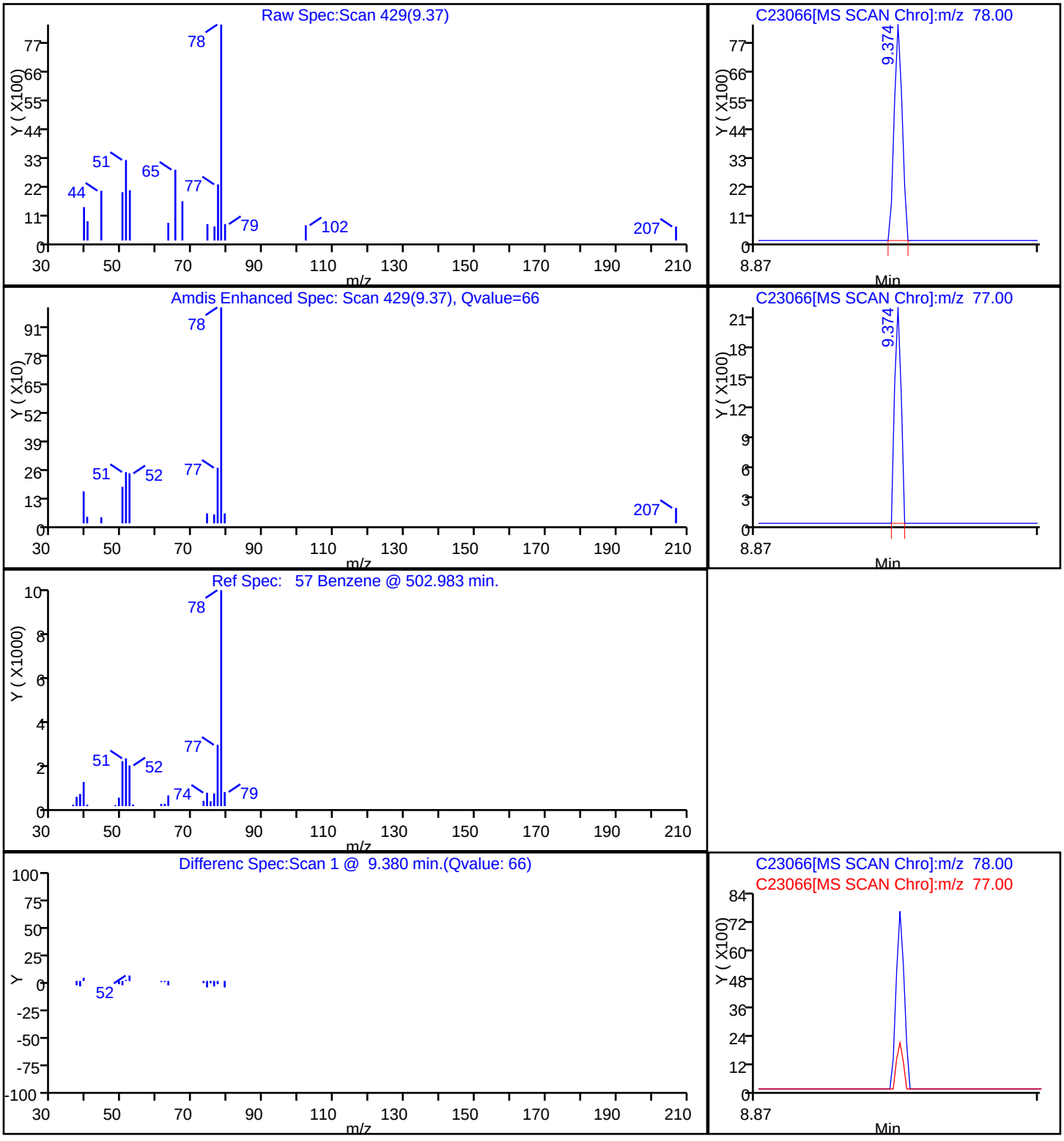


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Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D

Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

57 Benzene

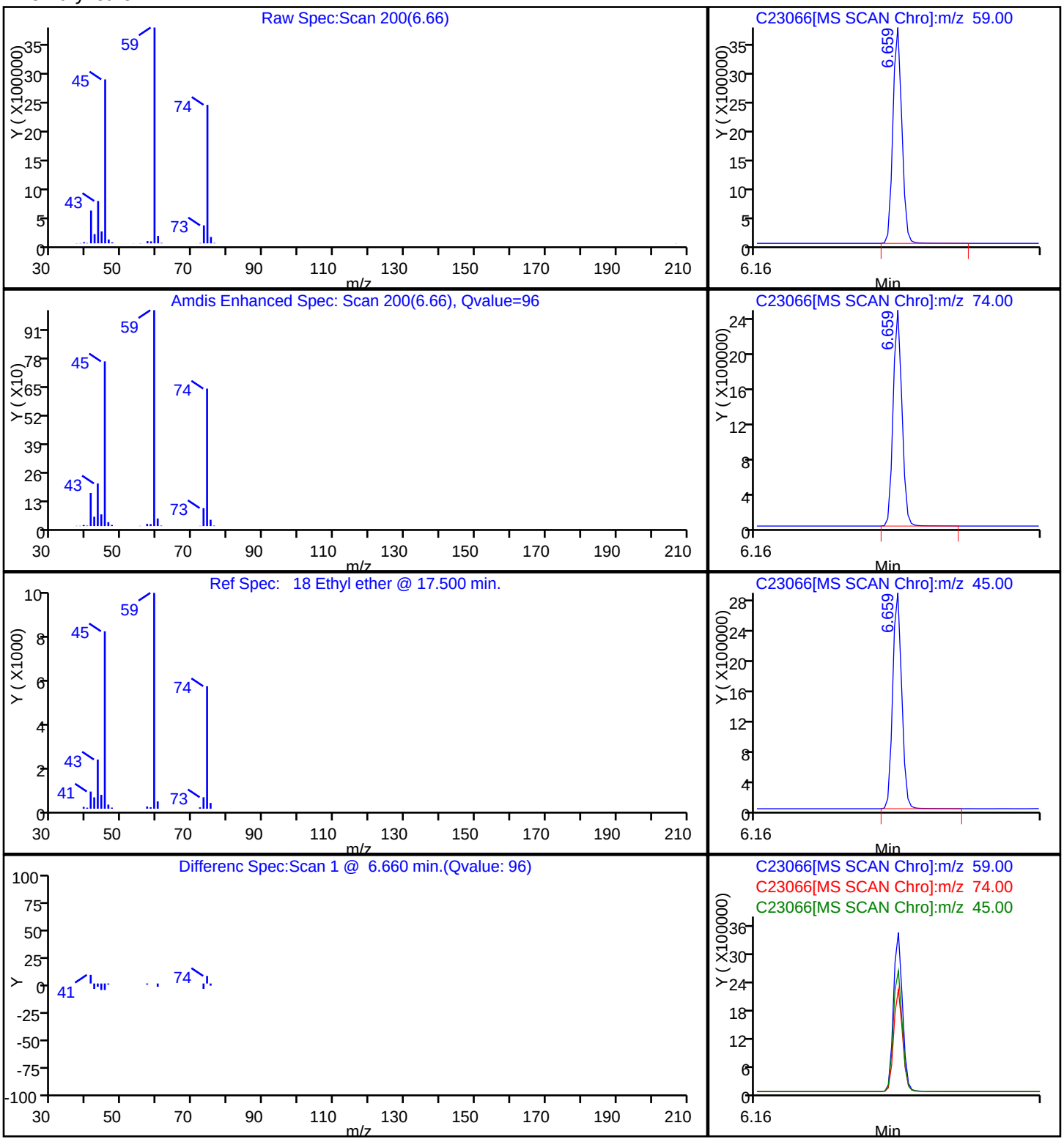


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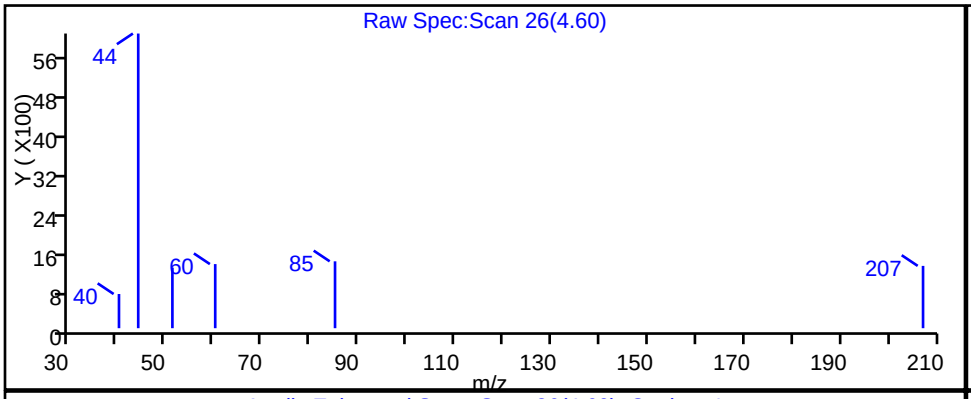
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Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

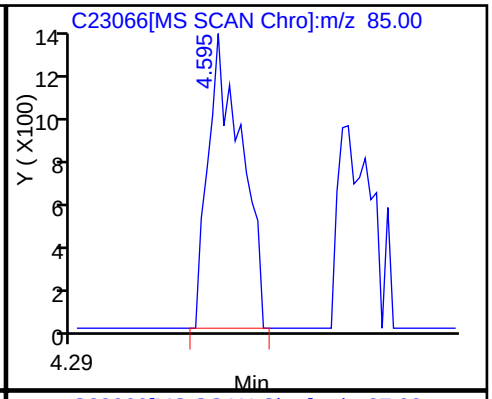
18 Ethyl ether

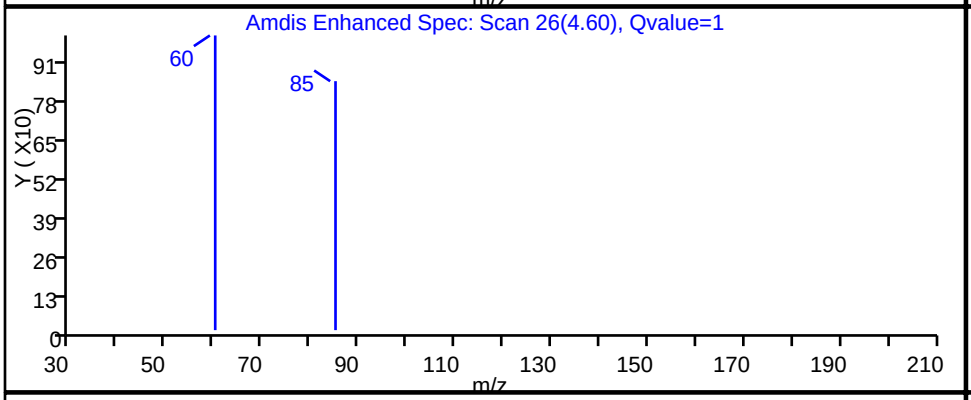


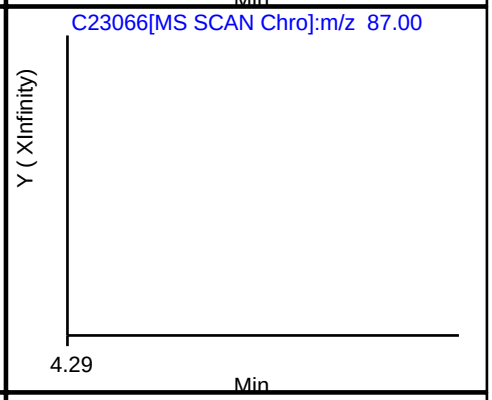
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Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D
Injection Date: 14-Oct-2012 17:57:30 Limit Group: MV - 8260B ICAL
Client ID: GW-007830-101112-002 Instrument ID: HP5973C
Lims Batch ID: 85412 Lims Sample ID: 19
Operator ID: JMB
Column Type: ZB-624 Column Dia: 0.25 mm

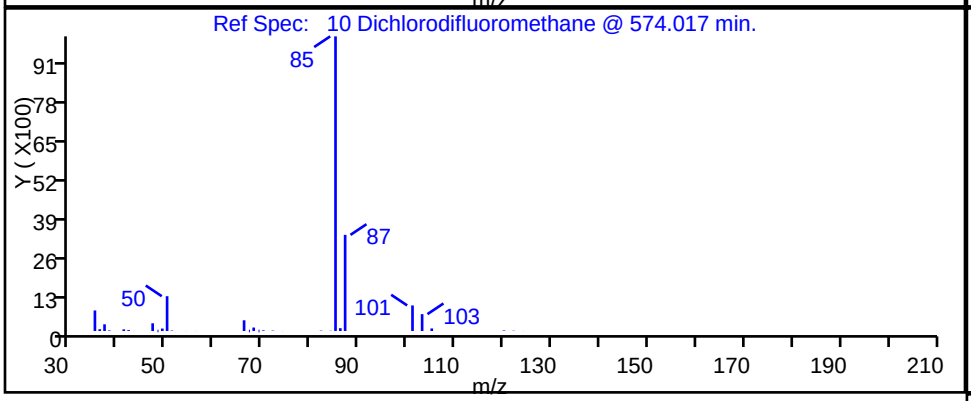
10 Dichlorodifluoromethane

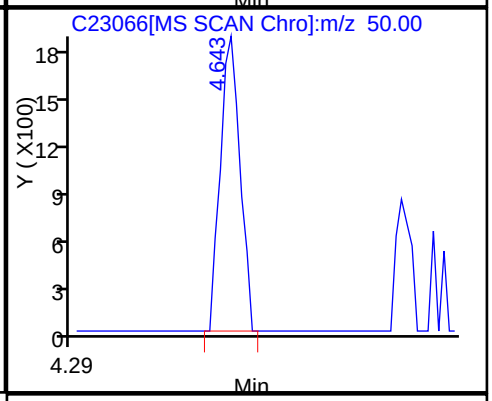


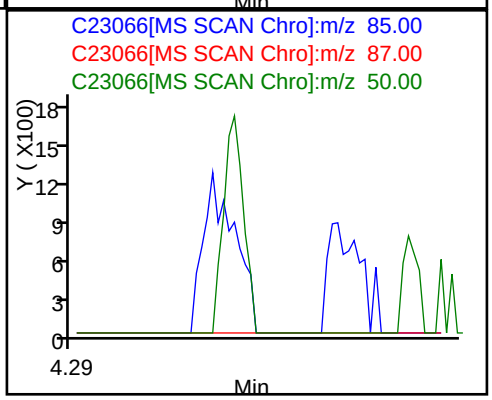










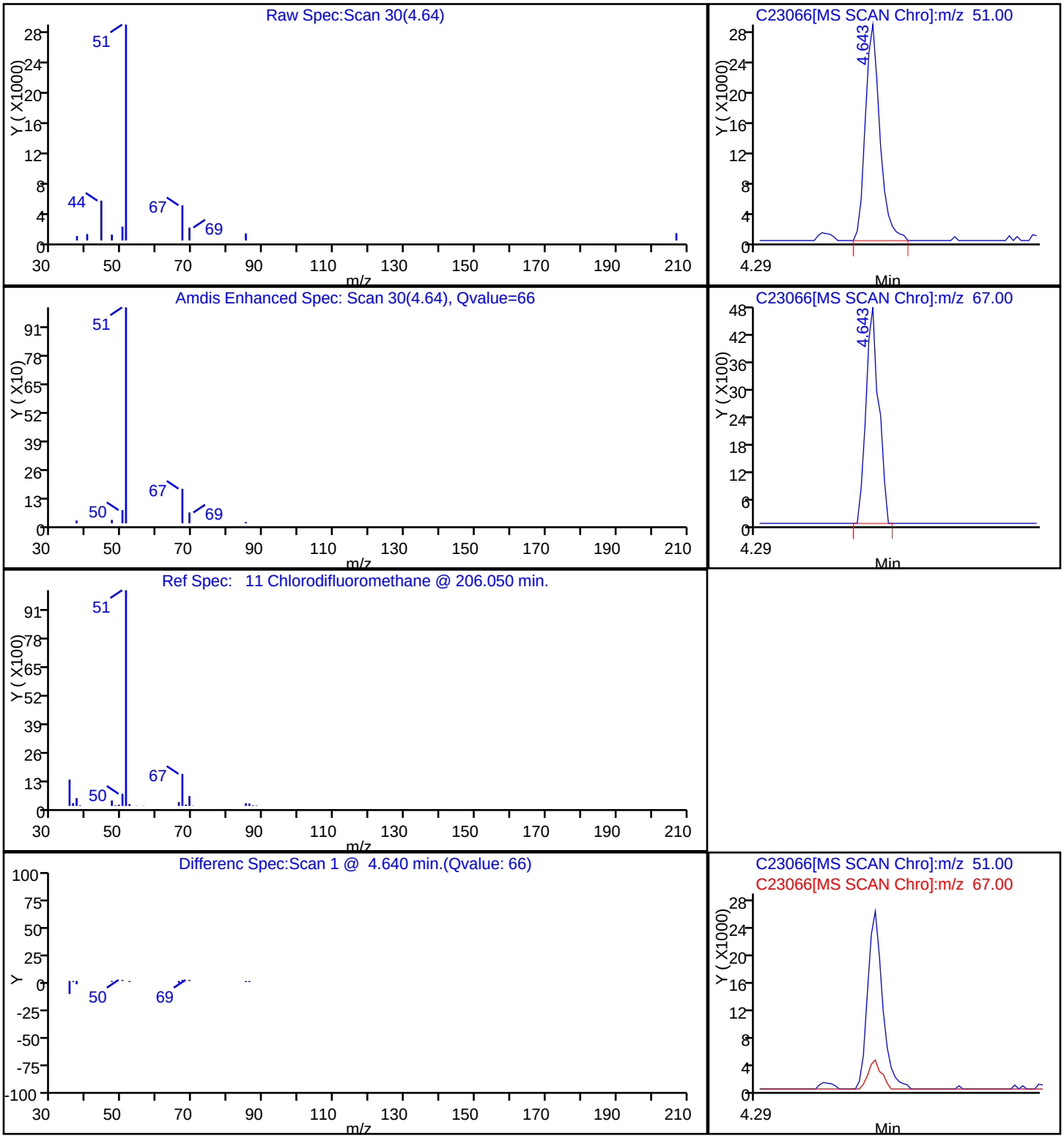


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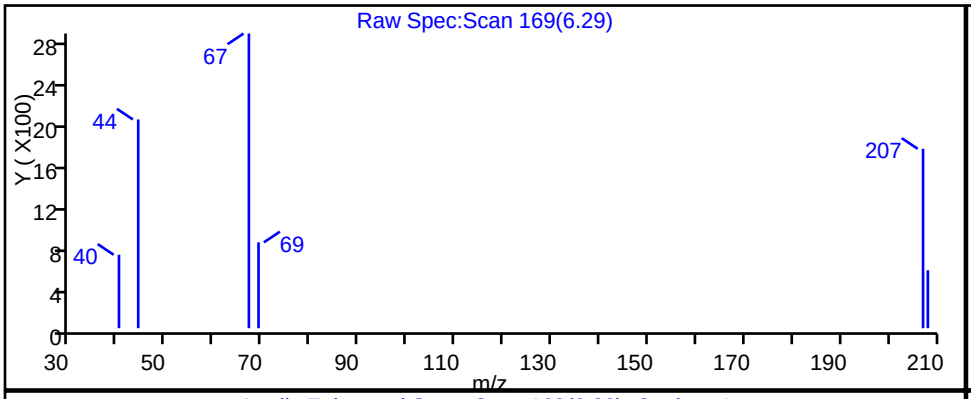
Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

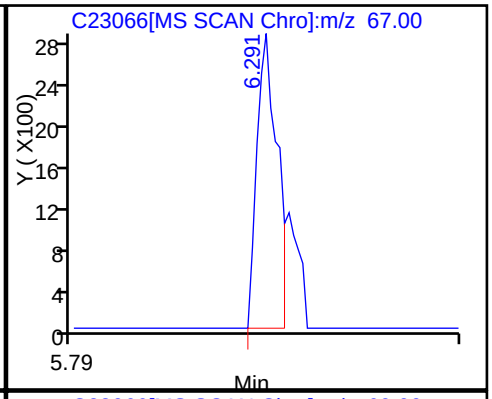
11 Chlorodifluoromethane

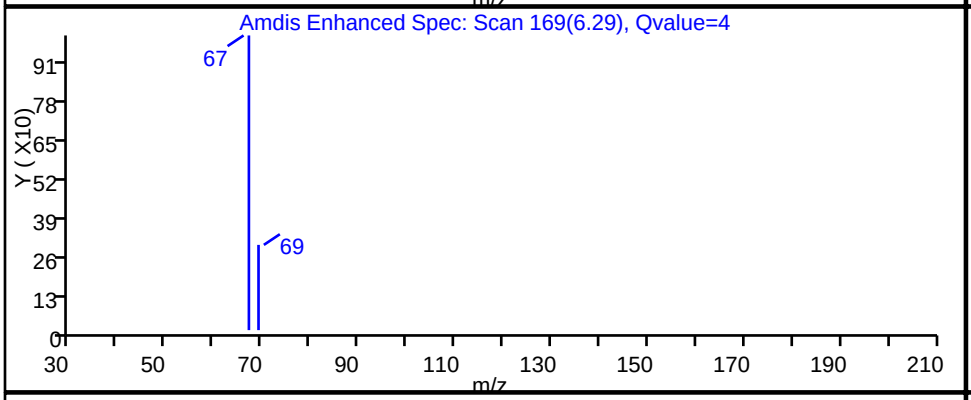


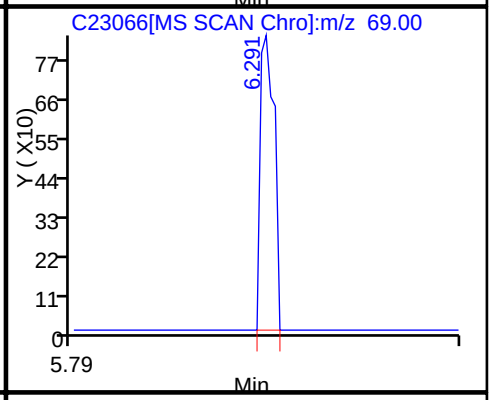
Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D
Injection Date: 14-Oct-2012 17:57:30 Limit Group: MV - 8260B ICAL
Client ID: GW-007830-101112-002 Instrument ID: HP5973C
Lims Batch ID: 85412 Lims Sample ID: 19
Operator ID: JMB
Column Type: ZB-624 Column Dia: 0.25 mm

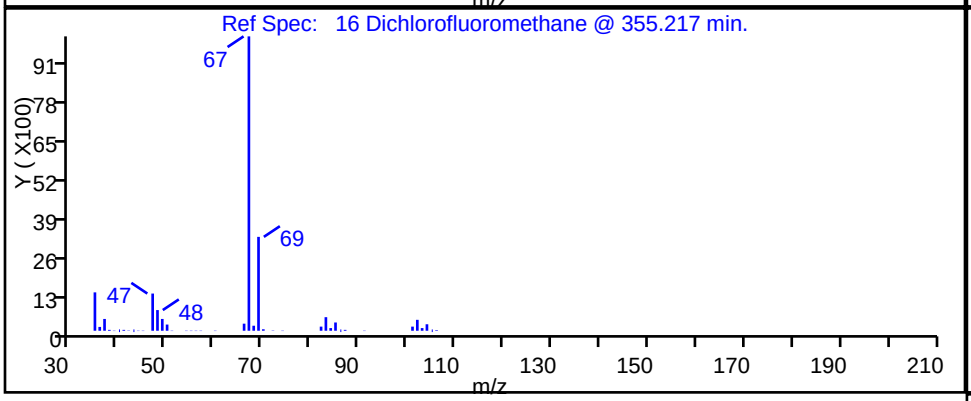
16 Dichlorofluoromethane

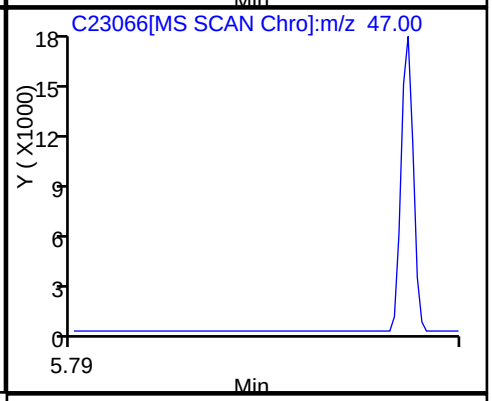


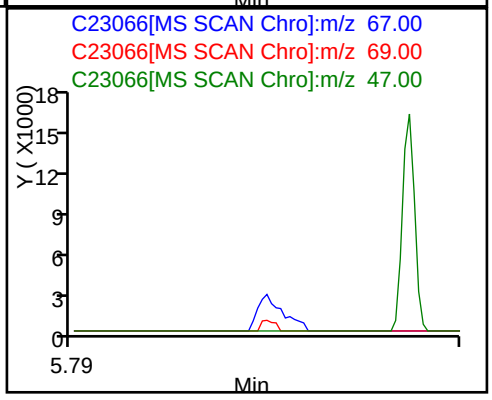










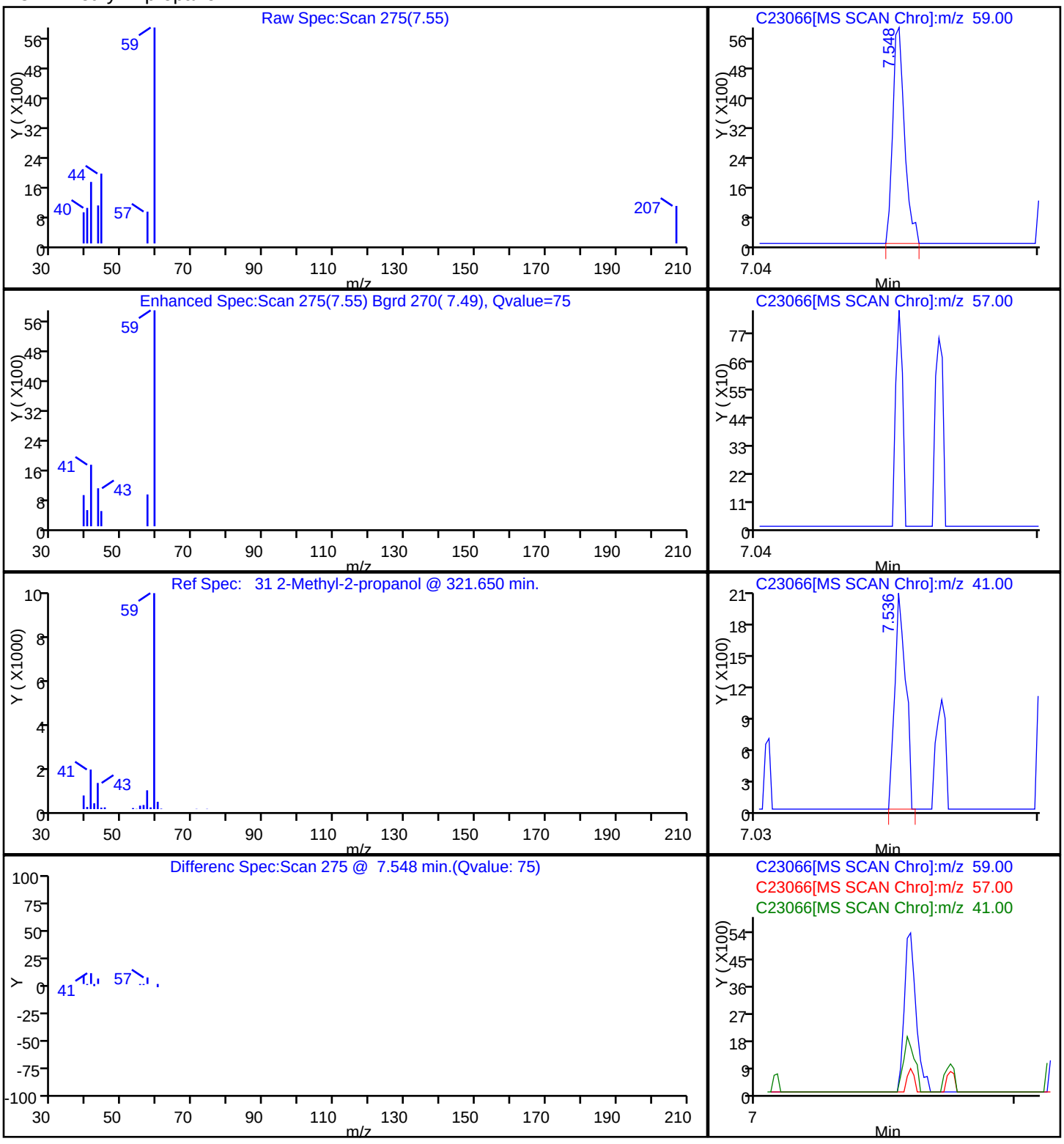


Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D

Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

31 2-Methyl-2-propanol

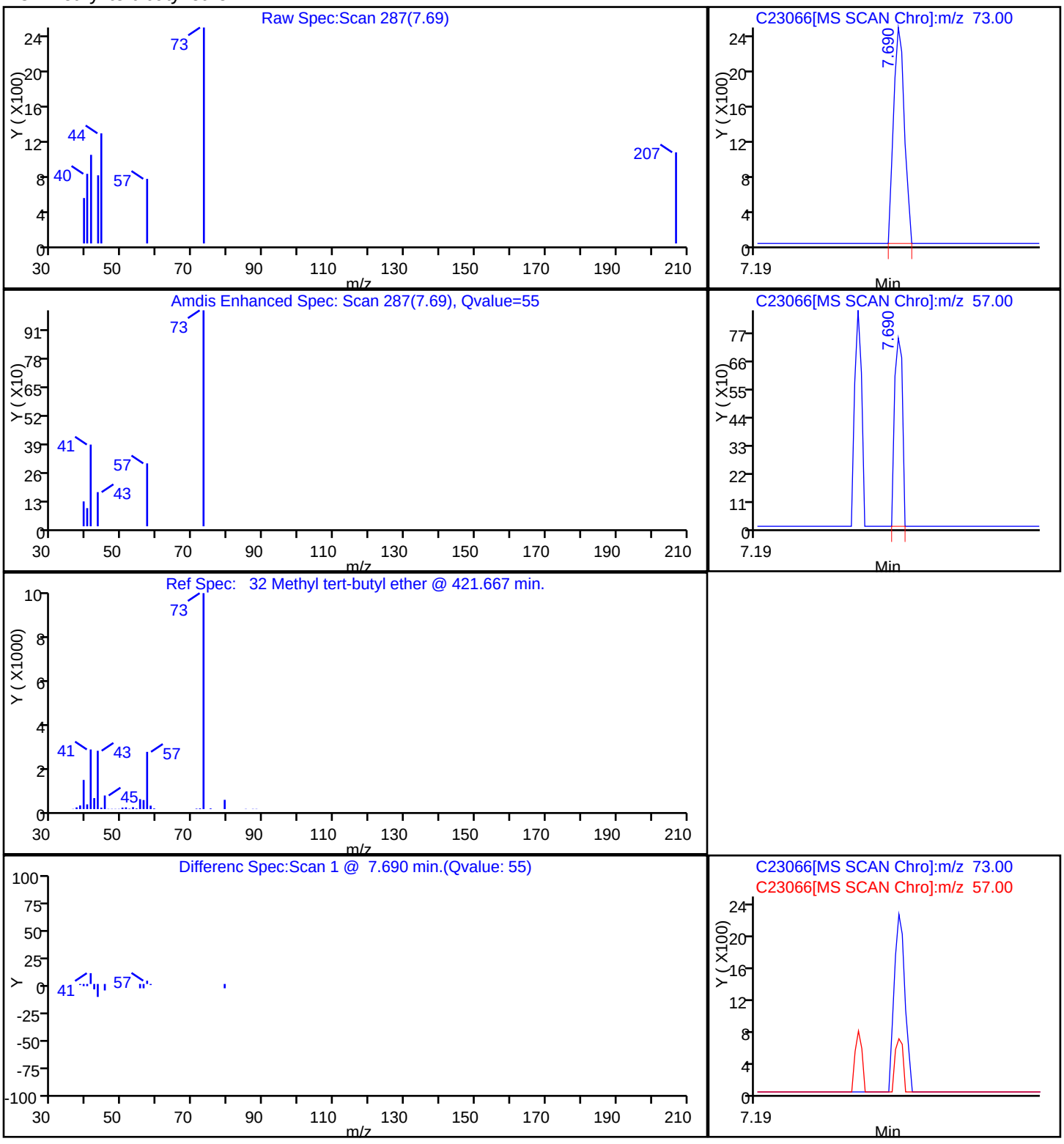


Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D

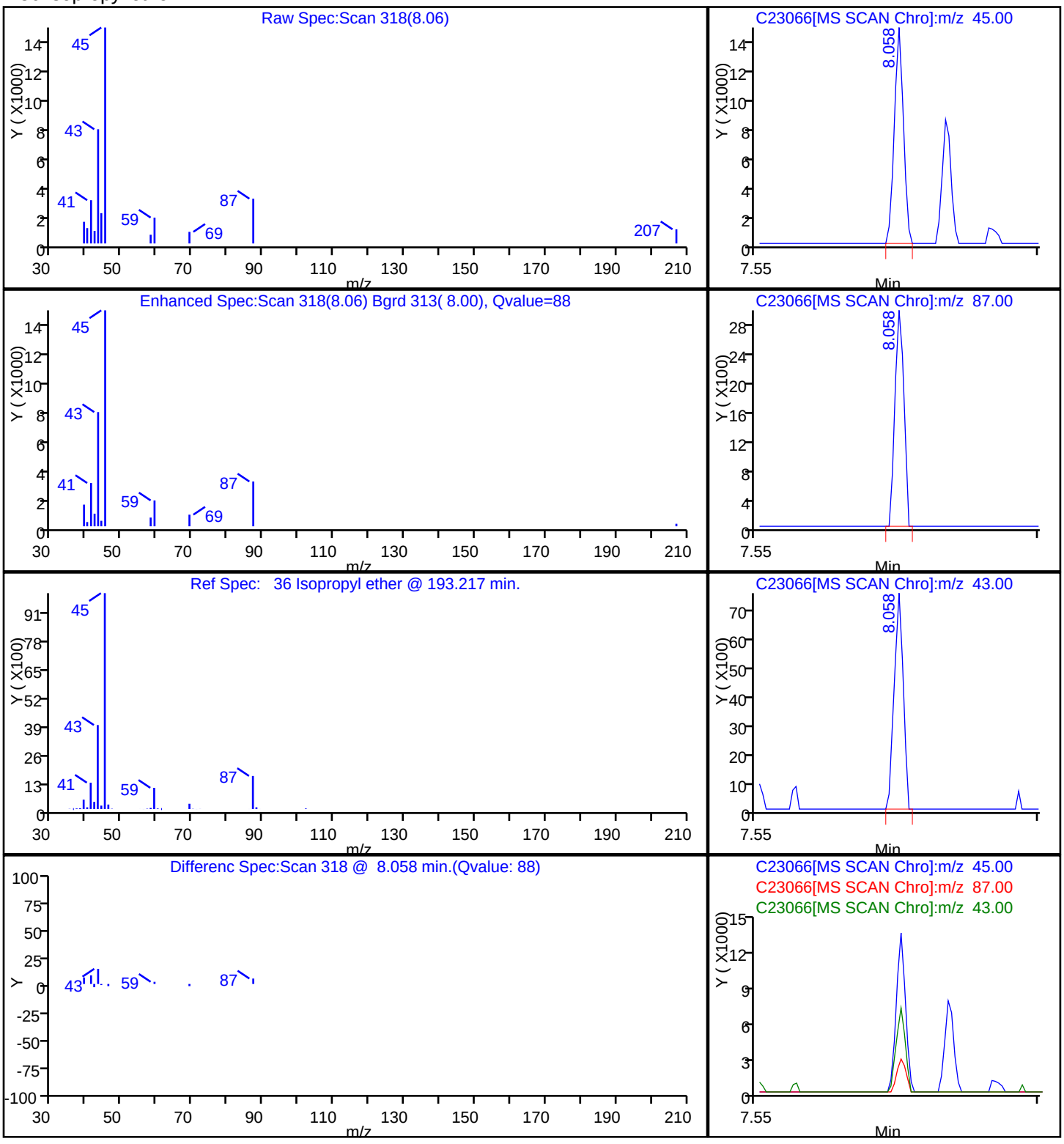
Injection Date:	14-Oct-2012 17:57:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	19
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm

32 Methyl tert-butyl ether



Report Date: 15-Oct-2012 11:21:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23066.D
Injection Date: 14-Oct-2012 17:57:30 Limit Group: MV - 8260B ICAL
Client ID: GW-007830-101112-002 Instrument ID: HP5973C
Lims Batch ID: 85412 Lims Sample ID: 19
Operator ID: JMB
Column Type: ZB-624 Column Dia: 0.25 mm

36 Isopropyl ether



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 DL | Lab Sample ID: 480-26562-16 DL

Matrix: Water | Lab File ID: C23079.D

Analysis Method: 8260B | Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/15/2012 13:13

Soil Aliquot Vol: | Dilution Factor: 20

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85475 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	4.2
79-00-5	1,1,2-Trichloroethane	ND		100	4.6
75-34-3	1,1-Dichloroethane	ND		100	7.6
75-35-4	1,1-Dichloroethene	ND		100	5.8
107-06-2	1,2-Dichloroethane	ND		100	4.2
78-87-5	1,2-Dichloropropane	ND		100	14
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		200	25
554-14-3	2-Methylthiophene	ND		200	8.8
616-44-4	3-Methylthiophene	ND		200	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	42
67-64-1	Acetone	ND		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		100	7.8
75-25-2	Bromoform	ND		100	5.2
74-83-9	Bromomethane	ND		200	14
75-15-0	Carbon disulfide	ND		100	3.8
56-23-5	Carbon tetrachloride	ND		100	5.4
108-90-7	Chlorobenzene	ND		100	15
75-00-3	Chloroethane	ND		200	6.4
67-66-3	Chloroform	ND		100	6.8
74-87-3	Chloromethane	ND		200	7.0
156-59-2	cis-1,2-Dichloroethene	ND		100	16
10061-01-5	cis-1,3-Dichloropropene	ND		100	7.2
124-48-1	Dibromochloromethane	ND		100	6.4
60-29-7	Ethyl ether	1300		200	14
100-41-4	Ethylbenzene	ND		100	15
179601-23-1	m&p-Xylene	ND		100	13
75-09-2	Methylene Chloride	ND		100	8.8
95-47-6	o-Xylene	ND		100	15
100-42-5	Styrene	ND		100	15
127-18-4	Tetrachloroethene	ND		100	7.2
108-88-3	Toluene	ND		100	10
156-60-5	trans-1,2-Dichloroethene	ND		100	18
10061-02-6	trans-1,3-Dichloropropene	ND		100	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 DL Lab Sample ID: 480-26562-16 DL

Matrix: Water Lab File ID: C23079.D

Analysis Method: 8260B Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 10/15/2012 13:13

Soil Aliquot Vol: Dilution Factor: 20

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*100*	*9.2*
75-01-4	*Vinyl chloride*	*ND*		*200*	*18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		66-137
460-00-4	4-Bromofluorobenzene (Surr)	95		73-120
2037-26-5	Toluene-d8 (Surr)	94		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 DL Lab Sample ID: 480-26562-16 DL

Matrix: Water Lab File ID: C23079.D

Analysis Method: 8260B Date Collected: 10/11/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 10/15/2012 13:13

Soil Aliquot Vol: Dilution Factor: 20

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85475 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23079.D		
Lims ID:	480-26562-C-16	Client ID:	GW-007830-101112-002
Inject. Date:	15-Oct-2012 13:13:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-26562-C-16		
Misc. Info.:	480-0015733-023		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	85475	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m		
Last Update:	16-Oct-2012 13:06:18	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK024		
First Level Reviewer: fergusont		Date:	16-Oct-2012 13:06:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	535854	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	88	298567	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	280011	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	100900	23.1	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	584092	23.5	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	85	184083	23.7	
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59	6.659	6.659	0.0	96	456419	62.6	
22 1,1-Dichloroethene	96		7.002					
23 Acetone	43	7.074	7.062	0.012	29	2079	0.7282	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					9
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43		8.615					
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78		9.374					9
58 1,2-Dichloroethane	62		9.398					9
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.607					9
74 Toluene	92		10.833					9
76 2-Methylthiophene	97		10.963					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.094					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
88 Ethylbenzene	91		11.995					9
87 Chlorobenzene	112		11.995					
90 m-Xylene & p-Xylene	106		12.078					9
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

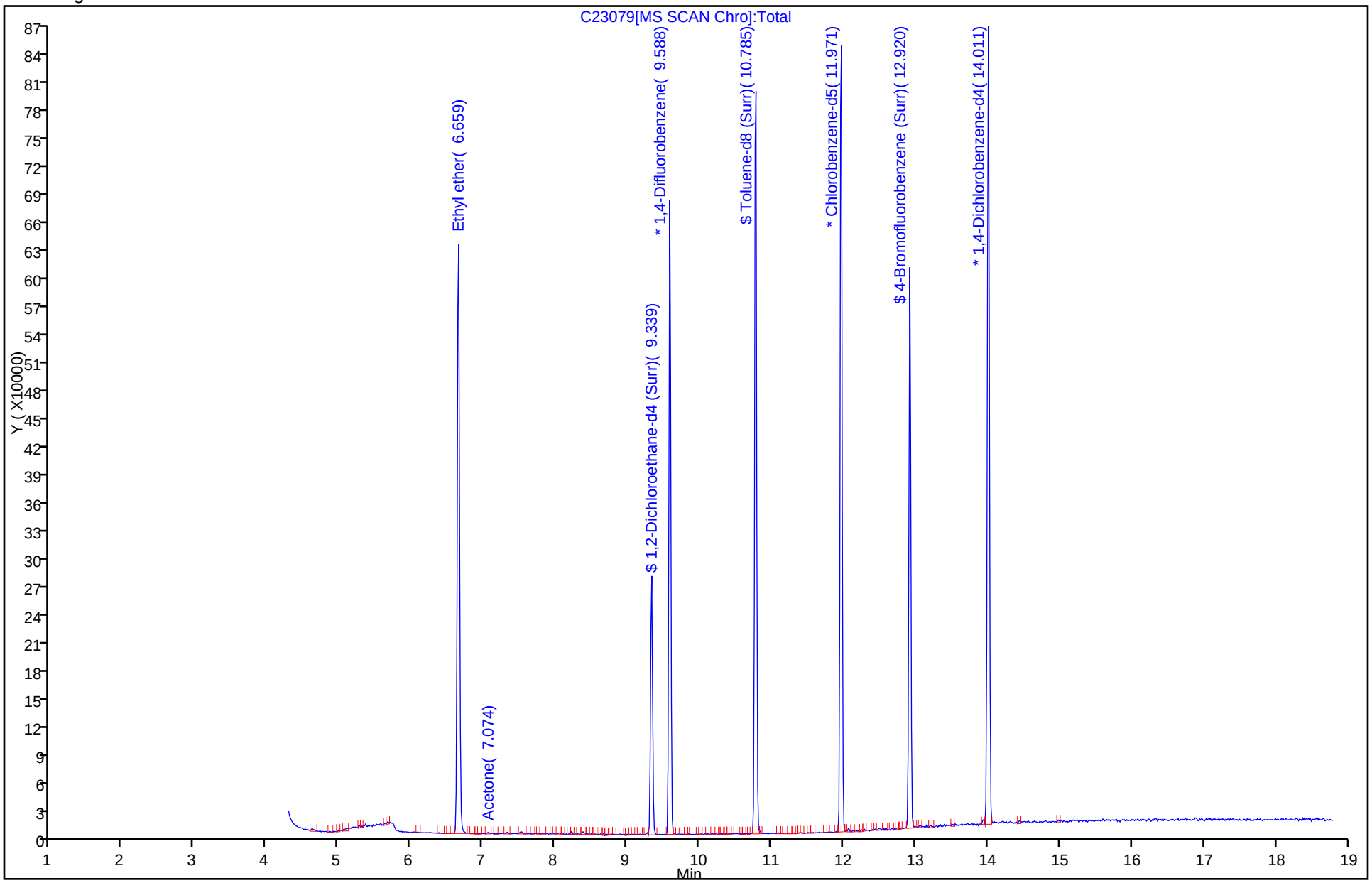
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 16-Oct-2012 13:06:18 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23079.D

Injection Date:	15-Oct-2012 13:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	23
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

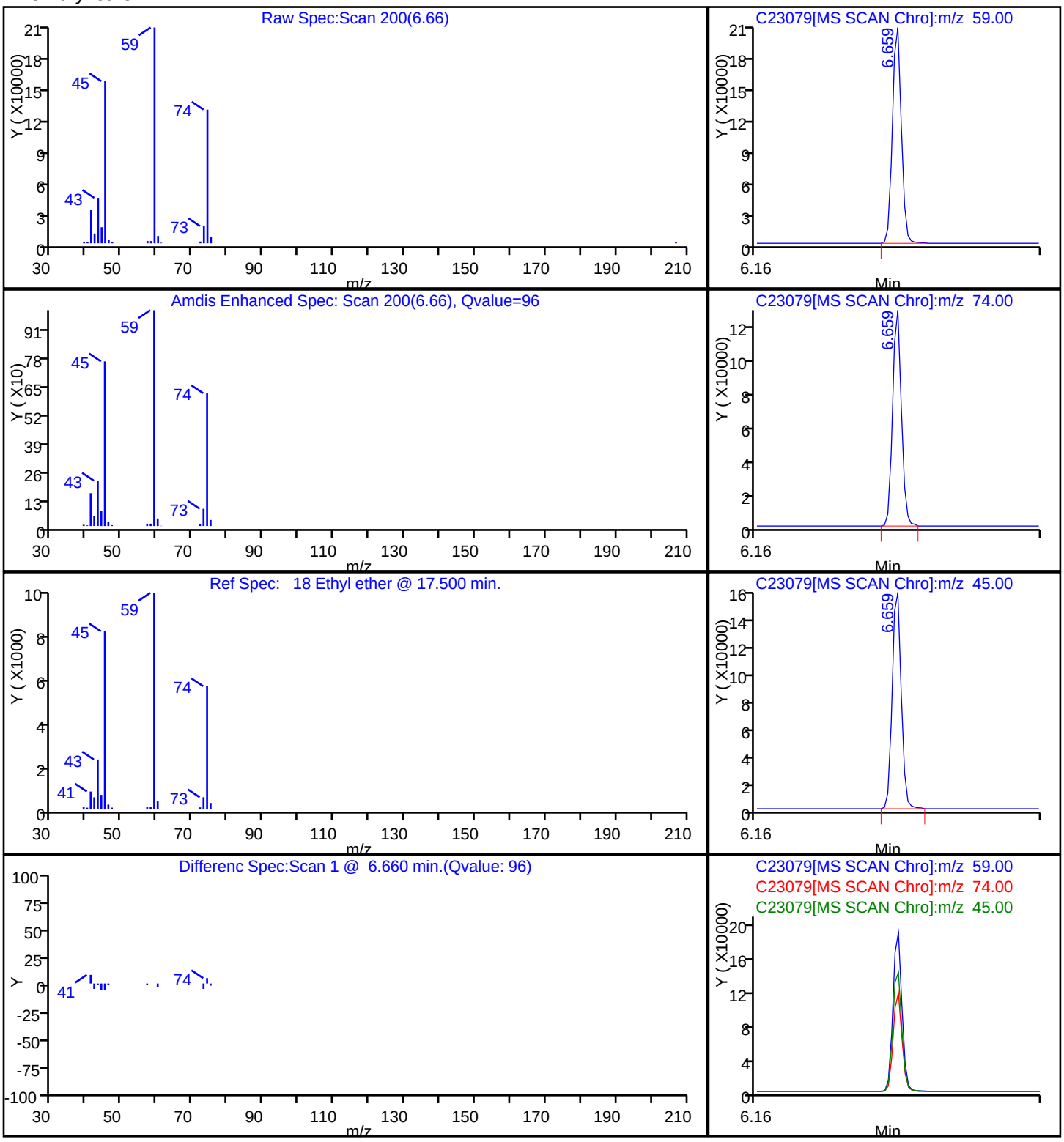


Report Date: 16-Oct-2012 13:06:18 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23079.D

Injection Date:	15-Oct-2012 13:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	23
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 | Lab Sample ID: 480-26562-17

Matrix: Water | Lab File ID: C23067.D

Analysis Method: 8260B | Date Collected: 10/11/2012 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 18:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 | Lab Sample ID: 480-26562-17

Matrix: Water | Lab File ID: C23067.D

Analysis Method: 8260B | Date Collected: 10/11/2012 10:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 18:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	91		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 Lab Sample ID: 480-26562-17

Matrix: Water Lab File ID: C23067.D

Analysis Method: 8260B Date Collected: 10/11/2012 10:15

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 18:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23067.D
Lims ID: 480-26562-B-17 Client ID: GW-007830-101112-003
Inject. Date: 14-Oct-2012 18:22:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-26562-B-17
Misc. Info.: 480-0015710-020
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 19
Lims Batch ID: 85412 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 15-Oct-2012 11:21:14 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:14:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.587	9.599	-0.012	96	573875	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	319451	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	95	301043	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	104854	22.5	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	601035	22.6	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	186779	22.5	
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59		6.658					
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43	7.073	7.062	0.011	70	5965	1.95	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43		8.615					
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78		9.374					
58 1,2-Dichloroethane	62		9.398					
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92		10.833					
76 2-Methylthiophene	97		10.963					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.093					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					9
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
87 Chlorobenzene	112		11.995					
88 Ethylbenzene	91		11.995					9
90 m-Xylene & p-Xylene	106		12.078					
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

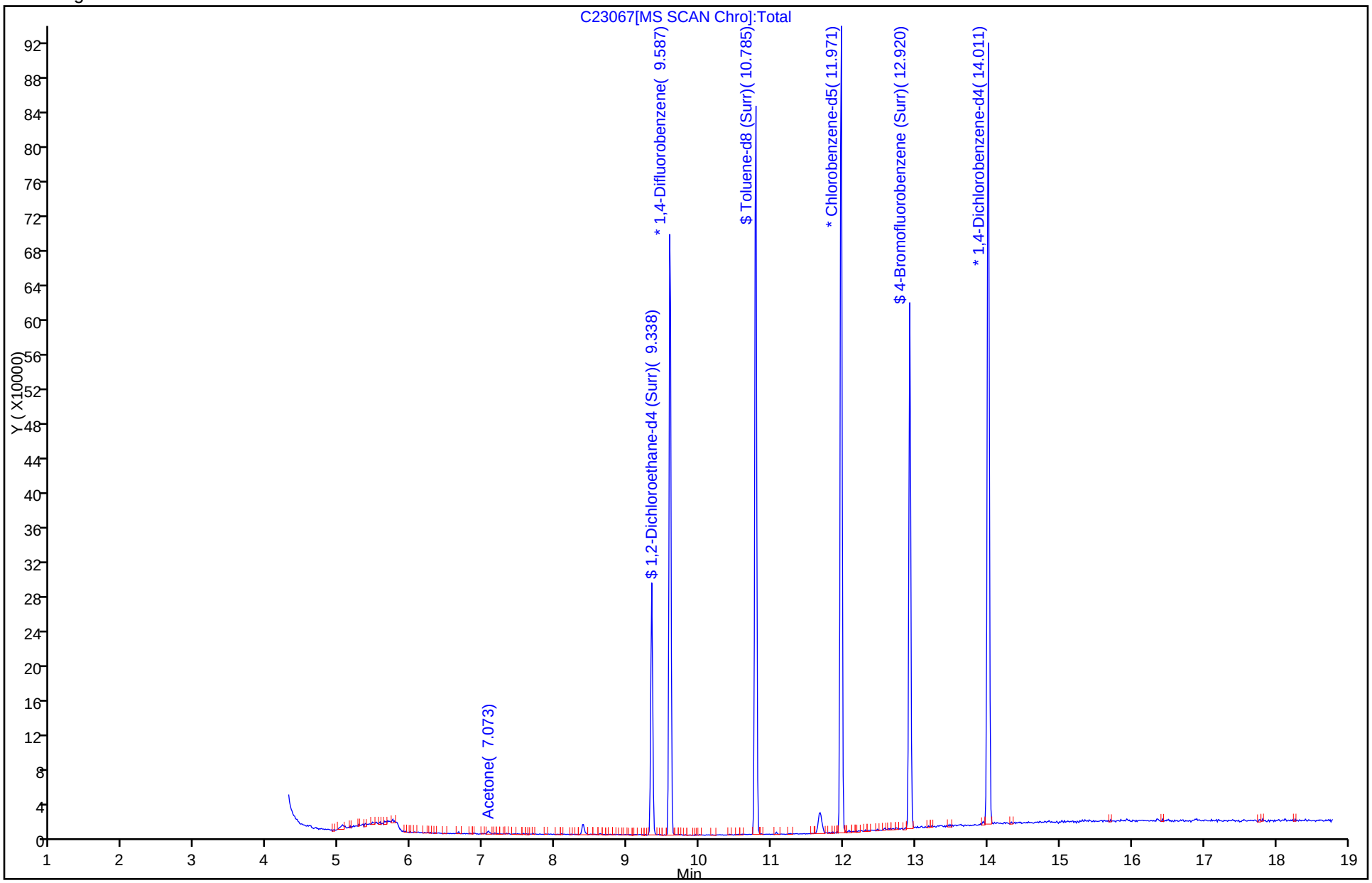
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 15-Oct-2012 11:21:15 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23067.D

Injection Date:	14-Oct-2012 18:22:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	20
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 | Lab Sample ID: 480-26562-18

Matrix: Water | Lab File ID: C23068.D

Analysis Method: 8260B | Date Collected: 10/11/2012 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 18:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 Lab Sample ID: 480-26562-18

Matrix: Water Lab File ID: C23068.D

Analysis Method: 8260B Date Collected: 10/11/2012 11:30

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 18:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	93		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 Lab Sample ID: 480-26562-18

Matrix: Water Lab File ID: C23068.D

Analysis Method: 8260B Date Collected: 10/11/2012 11:30

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 18:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23068.D
Lims ID: 480-26562-B-18 Client ID: GW-007830-101112-004
Inject. Date: 14-Oct-2012 18:47:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-26562-B-18
Misc. Info.: 480-0015710-021
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 85412 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 15-Oct-2012 11:21:20 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:14:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.599	-0.011	96	576991	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	87	316495	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	298486	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	103393	22.0	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	611859	23.3	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	187113	22.7	
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59		6.658					
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43	7.074	7.062	0.012	66	6189	2.01	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43		8.615					
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78		9.374					9
58 1,2-Dichloroethane	62		9.398					
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92		10.833					
76 2-Methylthiophene	97		10.963					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.093					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					9
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
87 Chlorobenzene	112		11.995					
88 Ethylbenzene	91		11.995					9
90 m-Xylene & p-Xylene	106		12.078					
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

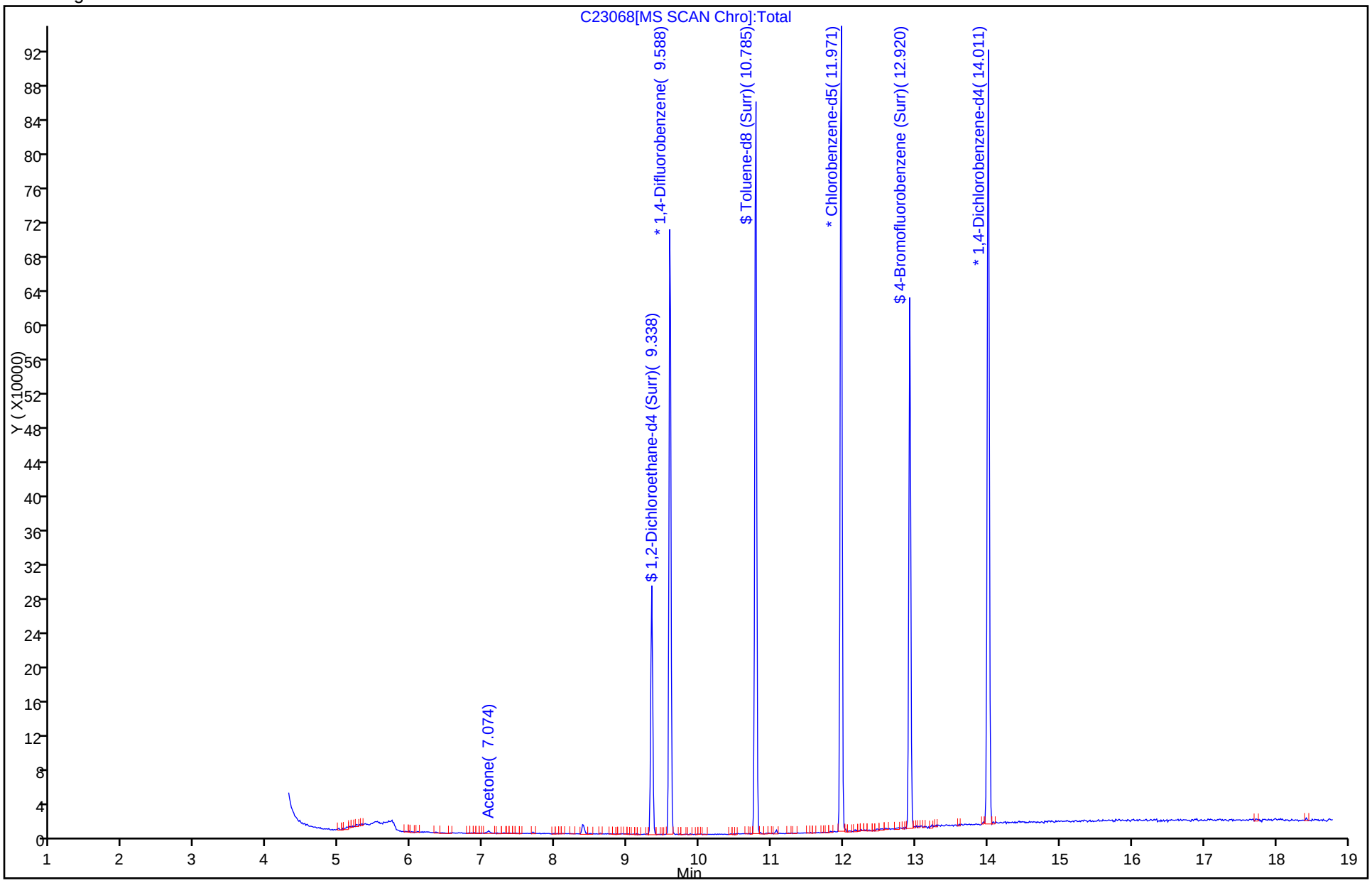
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 15-Oct-2012 11:21:21 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23068.D

Injection Date:	14-Oct-2012 18:47:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	21
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: C23069.D

Analysis Method: 8260B | Date Collected: 10/11/2012 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 19:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 Lab Sample ID: 480-26562-19

Matrix: Water Lab File ID: C23069.D

Analysis Method: 8260B Date Collected: 10/11/2012 12:15

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 19:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	94		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: C23069.D

Analysis Method: 8260B | Date Collected: 10/11/2012 12:15

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 19:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23069.D
Lims ID: 480-26562-B-19 Client ID: GW-007830-101112-005
Inject. Date: 14-Oct-2012 19:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-26562-B-19
Misc. Info.: 480-0015710-022
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 21
Lims Batch ID: 85412 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 15-Oct-2012 11:21:27 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:14:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.587	9.599	-0.012	96	558357	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	308223	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	289202	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	105433	23.2	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	600142	23.4	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	186970	23.3	
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
18 Ethyl ether	59		6.658					
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43	7.073	7.062	0.011	72	5863	1.97	
26 Carbon disulfide	76		7.323					
30 Methylene Chloride	84		7.524					
34 trans-1,2-Dichloroethene	96		7.761					
39 1,1-Dichloroethane	63		8.165					
43 2-Butanone (MEK)	43		8.615					
45 cis-1,2-Dichloroethene	96		8.663					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
55 Carbon tetrachloride	117		9.196					
57 Benzene	78		9.374					9
58 1,2-Dichloroethane	62		9.398					
62 Trichloroethene	95		9.849					
65 1,2-Dichloropropane	63		10.062					
68 Dichlorobromomethane	83		10.264					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92		10.833					
76 2-Methylthiophene	97		10.963					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.093					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					9
81 Tetrachloroethene	166		11.283					
83 Chlorodibromomethane	129		11.532					
87 Chlorobenzene	112		11.995					
88 Ethylbenzene	91		11.995					9
90 m-Xylene & p-Xylene	106		12.078					
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
95 Bromoform	173		12.730					
97 1,1,2,2-Tetrachloroethane	83		13.003					

QC Flag Legend

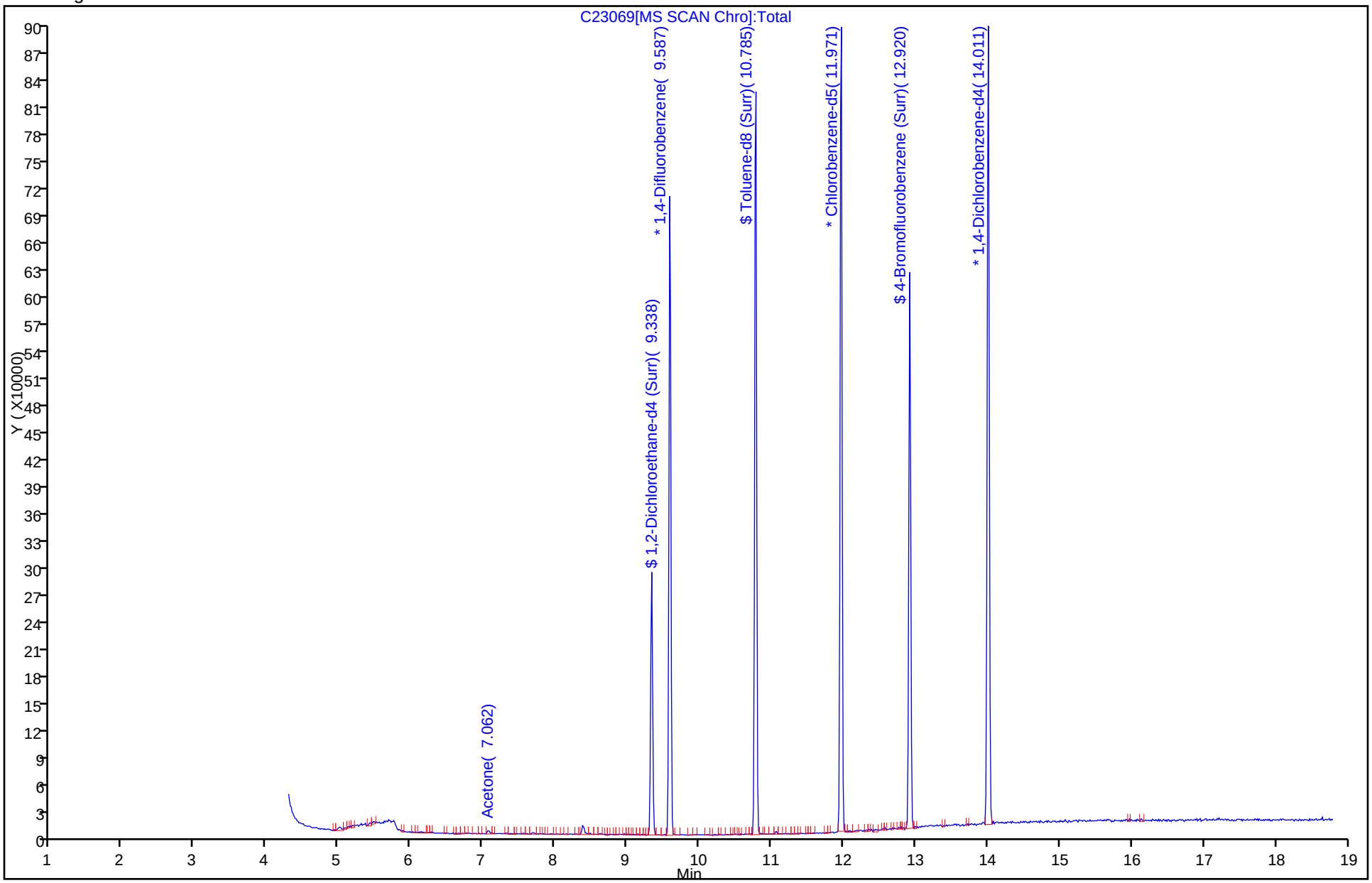
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 15-Oct-2012 11:21:27 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23069.D

Injection Date:	14-Oct-2012 19:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	22
Operator ID:	JMB		
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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-84069/2	C22819.D
Level 2	IC 480-84069/3	C22820.D
Level 3	IC 480-84069/4	C22821.D
Level 4	ICIS 480-84069/5	C22822.D
Level 5	IC 480-84069/6	C22823.D
Level 6	IC 480-84069/7	C22824.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								
Dichlorodifluoromethane	0.1482 0.3001	0.2729	0.1893	0.2451	0.3156	Lin	-0.581	0.3079							0.9960		0.9900
Chloromethane	0.6695 0.5058	0.5592	0.4760	0.4902	0.5431	Ave		0.5406			0.1000	13.0		15.0			
Vinyl chloride	0.4536 0.4836	0.4670	0.3724	0.4027	0.4855	Ave		0.4441				10.0		30.0			
Bromomethane	0.3638 0.3115	0.3020	0.2695	0.2617	0.3074	Ave		0.3026				12.0		15.0			
Chloroethane	0.2862 0.3143	0.2980	0.2691	0.2595	0.3135	Ave		0.2901				7.8		15.0			
Trichlorofluoromethane	0.3476 0.5191	0.4403	0.3414	0.3933	0.5165	Lin	-1.263	0.5293							0.9960		0.9900
Acrolein	0.0348 0.0392	0.0307	0.0311	0.0306	0.0378	Ave		0.0340				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0889 0.2761	0.2256	0.2008	0.2117	0.2794	Lin1	-0.247	0.2700							0.9920		0.9900
1,1-Dichloroethene	0.2838 0.3301	0.2857	0.2485	0.2416	0.3104	Ave		0.2834				12.0		30.0			
Acetone	0.1386 0.1464	0.1288	0.1253	0.1176	0.1425	Ave		0.1332				8.3		15.0			
Iodomethane	0.3901 0.4586	0.4073	0.3709	0.3825	0.4493	Ave		0.4098				8.9		15.0			
Carbon disulfide	0.9650 1.0296	0.9261	0.8315	0.8604	1.0048	Ave		0.9363				8.4		15.0			
Methyl acetate	0.4104 0.4622	0.4095	0.3979	0.3793	0.4468	Ave		0.4177				7.4		15.0			
Acetonitrile	0.0327 0.0334	0.0331	0.0297	0.0280	0.0320	Ave		0.0315				6.8		15.0			
Methylene Chloride	0.4471 0.3876	0.3696	0.3517	0.3341	0.3643	Ave		0.3757				10.0		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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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								
Methyl tert-butyl ether	1.0268 1.1129	0.9487	0.9121	0.8942	1.0412	Ave		0.9893				8.6		15.0			
trans-1,2-Dichloroethene	0.4172 0.3743	0.3552	0.3210	0.3122	0.3565	Ave		0.3561				11.0		15.0			
Acrylonitrile	0.1603 0.1857	0.1642	0.1551	0.1559	0.1786	Ave		0.1666				7.6		15.0			
Vinyl acetate	0.7819 0.9402	0.7917	0.7959	0.8253	0.9320	Ave		0.8445				8.6		15.0			
1,1-Dichloroethane	0.7858 0.7345	0.7230	0.6699	0.6471	0.7208	Ave		0.7135			0.1000	6.9		15.0			
2-Butanone (MEK)	0.2104 0.2268	0.2053	0.2011	0.1953	0.2255	Ave		0.2107				6.1		15.0			
2,2-Dichloropropane	0.4054 0.4210	0.4181	0.3680	0.3703	0.4289	Ave		0.4020				6.6		15.0			
cis-1,2-Dichloroethene	0.4296 0.3908	0.3761	0.3585	0.3512	0.3930	Ave		0.3832				7.4		15.0			
Bromochloromethane	0.1733 0.2029	0.2005	0.1896	0.1796	0.2109	Ave		0.1928				7.5		15.0			
Chloroform	0.6749 0.6275	0.6358	0.5906	0.5523	0.6429	Ave		0.6207				6.9		30.0			
Tetrahydrofuran	0.1333 0.1479	0.1397	0.1334	0.1284	0.1558	Ave		0.1398				7.4		15.0			
1,1,1-Trichloroethane	0.4597 0.5231	0.5015	0.4432	0.4253	0.5424	Ave		0.4825				9.7		15.0			
Cyclohexane	0.4021 0.6176	0.5136	0.4391	0.4746	0.6621	Lin	-1.197	0.6350							0.9940		0.9900
1,1-Dichloropropene	0.4337 0.4880	0.4504	0.3936	0.4044	0.4925	Ave		0.4438				9.3		15.0			
Carbon tetrachloride	0.3613 0.4891	0.4421	0.3765	0.4030	0.4867	Ave		0.4265				13.0		15.0			
Benzene	1.4541 1.3801	1.3967	1.2773	1.2437	1.4054	Ave		1.3595				6.0		15.0			
1,2-Dichloroethane	0.6037 0.5705	0.5657	0.5423	0.5185	0.5873	Ave		0.5647				5.4		15.0			
Trichloroethene	0.3660 0.3632	0.3616	0.3241	0.3267	0.3637	Ave		0.3509				5.6		15.0			
Methylcyclohexane	0.3863 0.5164	0.4495	0.3705	0.4437	0.5412	Ave		0.4512				15.0		15.0			
1,2-Dichloropropane	0.4069 0.4183	0.4085	0.3819	0.3783	0.4234	Ave		0.4029				4.6		30.0			

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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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								
Dibromomethane	0.2436 0.2506	0.2355	0.2289	0.2202	0.2502	Ave		0.2382				5.1		15.0			
Bromodichloromethane	0.4691 0.4950	0.4600	0.4348	0.4375	0.4963	Ave		0.4655				5.8		15.0			
2-Chloroethyl vinyl ether	0.2206 0.3066	0.2464	0.2474	0.2654	0.3105	Ave		0.2661				13.0		15.0			
trans-1,3-Dichloropropene	0.9462 1.1258	0.9941	0.9359	0.9856	1.1016	Ave		1.0148				7.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.7896 0.8920	0.8228	0.7897	0.8229	0.9131	Ave		0.8384				6.2		15.0			
Toluene	1.5175 1.6437	1.5815	1.4746	1.5039	1.6540	Ave		1.5625				4.8		30.0			
Ethyl methacrylate	0.7047 0.9245	0.7026	0.7025	0.7602	0.8841	Ave		0.7798				13.0		15.0			
cis-1,3-Dichloropropene	0.5188 0.5866	0.5416	0.4822	0.4954	0.5997	Ave		0.5374				8.9		15.0			
1,1,2-Trichloroethane	0.5324 0.5150	0.5107	0.4669	0.4757	0.5105	Ave		0.5019				5.0		15.0			
2-Hexanone	0.5495 0.6550	0.5641	0.5472	0.5746	0.6538	Ave		0.5907				8.5		15.0			
Tetrachloroethene	0.6691 0.7289	0.7013	0.6222	0.6520	0.7167	Ave		0.6817				6.0		15.0			
1,3-Dichloropropane	1.0942 1.0866	1.0896	0.9932	0.9853	1.0726	Ave		1.0536				4.8		15.0			
Dibromochloromethane	0.7115 0.7581	0.6455	0.6284	0.6494	0.7390	Ave		0.6886				7.9		15.0			
1,2-Dibromoethane	0.5994 0.6398	0.5776	0.5616	0.5498	0.6290	Ave		0.5929				6.1		15.0			
Chlorobenzene	1.9611 1.8615	1.8438	1.7113	1.6972	1.8441	Ave		1.8199			0.3000	5.5		15.0			
Ethylbenzene	3.1614 3.1438	3.0101	2.7880	2.8180	3.1499	Ave		3.0119				5.7		30.0			
1,1,1,2-Tetrachloroethane	0.6521 0.6920	0.6665	0.6121	0.6072	0.6734	Ave		0.6506				5.3		15.0			
m&p-Xylene	1.1423 1.2128	1.1310	1.0633	1.0746	1.2133	Ave		1.1395				5.7		15.0			
o-Xylene	1.0489 1.2015	1.0656	1.0107	1.0178	1.1633	Ave		1.0846				7.3		15.0			
Styrene	1.5435 2.0621	1.6598	1.6261	1.6830	1.9610	Ave		1.7559				12.0		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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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								
Isopropylbenzene	2.8392 3.1890	2.8314	2.6627	2.7242	3.1758	Ave		2.9037				7.8		15.0			
Bromoform	0.3739 0.5052	0.4126	0.3952	0.4065	0.4788	Ave		0.4287			0.1000	12.0		15.0			
1,1,2,2-Tetrachloroethane	0.9914 0.9672	0.8701	0.8270	0.8083	0.9248	Ave		0.8981			0.3000	8.3		15.0			
trans-1,4-Dichloro-2-butene	0.0984 0.2811	0.1256	0.1484	0.1756	0.2480	Lin	-6.449	0.2872							0.9920		0.9900
N-Propylbenzene	3.4708 4.2011	3.5278	3.3256	3.5136	4.0189	Ave		3.6763				9.5		15.0			
1,2,3-Trichloropropane	0.2348 0.2928	0.2585	0.2524	0.2444	0.2807	Ave		0.2606				8.5		15.0			
Bromobenzene	0.8313 0.8672	0.7940	0.7383	0.7408	0.8368	Ave		0.8014				6.6		15.0			
1,3,5-Trimethylbenzene	2.2778 2.8070	2.3631	2.2729	2.3432	2.6966	Ave		2.4601				9.4		15.0			
2-Chlorotoluene	0.7149 0.8146	0.7525	0.7129	0.6971	0.7874	Ave		0.7466				6.3		15.0			
4-Chlorotoluene	0.7696 0.8446	0.7865	0.7410	0.7200	0.8236	Ave		0.7809				6.1		15.0			
tert-Butylbenzene	0.4592 0.5761	0.5202	0.4652	0.4818	0.5719	Ave		0.5124				10.0		15.0			
1,2,4-Trimethylbenzene	2.3075 2.7525	2.4318	2.3484	2.4147	2.7284	Ave		2.4972				7.8		15.0			
sec-Butylbenzene	2.8192 3.3468	2.9398	2.7038	2.8791	3.3508	Ave		3.0066				9.2		15.0			
4-Isopropyltoluene	2.4302 2.8778	2.3950	2.2770	2.4367	2.8437	Ave		2.5434				9.9		15.0			
1,3-Dichlorobenzene	1.7453 1.6092	1.5477	1.4947	1.4528	1.6011	Ave		1.5751				6.5		15.0			
1,4-Dichlorobenzene	1.8478 1.6368	1.6405	1.5045	1.4578	1.6464	Ave		1.6223				8.4		15.0			
n-Butylbenzene	2.1768 2.6506	2.2800	2.1083	2.2009	2.6069	Ave		2.3373				10.0		15.0			
1,2-Dichlorobenzene	1.5786 1.6308	1.5294	1.4108	1.3907	1.5535	Ave		1.5156				6.3		15.0			
1,2-Dibromo-3-Chloropropane	0.2320 0.1833	0.1700	0.1559	0.1423	0.1626	Lin1	0.0170	0.1705							0.9910		0.9900
1,2,4-Trichlorobenzene	1.0928 1.1231	0.9876	0.9148	0.9187	1.0041	Ave		1.0068				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 CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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								
Hexachlorobutadiene	0.3673 0.4463	0.3640	0.3445	0.3509	0.4030	Ave		0.3793				10.0		15.0			
Naphthalene	2.6182 3.0157	2.4689	2.2691	2.3590	2.6629	Ave		2.5656				10.0		15.0			
1,2,3-Trichlorobenzene	0.9952 1.0580	0.9627	0.8808	0.8981	0.9632	Ave		0.9597				6.7		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2257 0.2069	0.2152	0.1967	0.1806	0.1951	Ave		0.2034				7.9		15.0			
Toluene-d8 (Surr)	2.2947 2.1632	2.1323	1.7997	2.0486	2.0323	Ave		2.0785				8.0		15.0			
4-Bromofluorobenzene (Surr)	0.9485 0.6739	0.6704	0.5891	0.6019	0.6247	Lin1	0.1841	0.6427							0.9970		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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-84069/2	C22819.D
Level 2	IC 480-84069/3	C22820.D
Level 3	IC 480-84069/4	C22821.D
Level 4	ICIS 480-84069/5	C22822.D
Level 5	IC 480-84069/6	C22823.D
Level 6	IC 480-84069/7	C22824.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
Dichlorodifluoromethane	DFB	Lin	3101 621283	29470	41794	132659	332639	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	14007 1047184	60386	105057	265310	572405	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	9489 1001290	50432	82199	217960	511674	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	7612 644827	32612	59480	141625	323987	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	5987 650667	32177	59388	140421	330365	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Lin	7272 1074595	47545	75359	212829	544340	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	14542 1623296	66295	137127	330739	796052	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Lin1	1860 571687	24364	44331	114551	294446	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	5937 683449	30853	54862	130763	327143	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	14494 1515674	69543	138335	318202	750876	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	8162 949513	43976	81870	207028	473490	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	20190 2131658	100006	183544	465659	1058944	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	8586 956866	44216	87830	205296	470886	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	27391 2762471	142897	262575	605715	1346986	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	9355 802353	39911	77629	180790	383995	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	21483 2304011	102437	201321	483943	1097390	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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
trans-1,2-Dichloroethene	DFB	Ave	8728 774906	38357	70863	168943	375731	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	16769 1922638	88660	171205	421904	941023	5.00 500	25.0	50.0	125	250
Vinyl acetate	DFB	Ave	81794 9732194	427446	878438	2233088	4911070	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	16439 1520700	78071	147856	350195	759706	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	22014 2347885	110840	221916	528452	1188534	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	8481 871679	45146	81235	200429	452063	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	8988 809081	40616	79136	190074	414147	1.00 100	5.00	10.0	25.0	50.0
Bromochloromethane	DFB	Ave	3626 420155	21650	41857	97197	222285	1.00 100	5.00	10.0	25.0	50.0
Chloroform	DFB	Ave	14120 1299024	68652	130363	298897	677532	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	13944 1530688	75447	147262	347477	820794	5.00 500	25.0	50.0	125	250
1,1,1-Trichloroethane	DFB	Ave	9618 1082933	54156	97838	230143	571669	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Lin	8413 1278641	55457	96931	256857	697787	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	9073 1010366	48636	86883	218868	519066	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Ave	7559 1012505	47740	83110	218096	512957	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	30422 2857145	150817	281933	673095	1481135	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	12630 1181049	61088	119704	280586	618930	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	7658 751951	39047	71537	176800	383307	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	8082 1069020	48535	81770	240114	570367	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	8513 865940	44114	84294	204744	446276	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	5097 518852	25425	50531	119182	263659	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	9815 1024774	49668	95975	236775	523113	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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
2-Chloroethyl vinyl ether	DFB	Ave	23072 3173539	133037	273015	718058	1636237	5.00 500	25.0	50.0	125	250
trans-1,3-Dichloropropene	CBZ	Ave	10670 1286672	60234	112941	286376	665366	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	44520 5097249	249290	476493	1195585	2757640	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	17113 1878595	95829	177951	436978	999026	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	7947 1056539	42570	84774	220887	534036	1.00 100	5.00	10.0	25.0	50.0
cis-1,3-Dichloropropene	DFB	Ave	10855 1214436	58477	106426	268080	632050	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6004 588598	30945	56342	138232	308348	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	30982 3742720	170904	330177	834793	1974384	5.00 500	25.0	50.0	125	250
Tetrachloroethene	CBZ	Ave	7546 833047	42493	75084	189440	432882	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	12339 1241837	66023	119855	286302	647859	1.00 100	5.00	10.0	25.0	50.0
Dibromochloromethane	CBZ	Ave	8024 866403	39111	75838	188681	446387	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	6760 731268	34998	67777	159750	379950	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	22115 2127509	111724	206525	493144	1113896	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	35651 3592950	182390	336459	818830	1902600	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7354 790904	40386	73866	176436	406760	1.00 100	5.00	10.0	25.0	50.0
m&p-Xylene	CBZ	Ave	25763 2772205	137057	256641	624487	1465708	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	11828 1373117	64569	121976	295751	702635	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	17406 2356738	100571	196234	489032	1184475	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	29785 3471789	157075	302057	744652	1801494	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	4217 577403	24999	47691	118116	289216	1.00 100	5.00	10.0	25.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	10401 1053011	48272	93816	220934	524585	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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
trans-1,4-Dichloro-2-butene	DCB	Lin	5163 1530310	34830	84183	240045	703279	5.00 500	25.0	50.0	125	250
N-Propylbenzene	DCB	Ave	36411 4573638	195708	377261	960421	2279739	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2463 318716	14339	28632	66797	159244	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	8721 944146	44048	83755	202495	474659	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	23896 3055990	131097	257845	640519	1529677	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	7500 886848	41745	80875	190550	446639	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	8074 919477	43632	84059	196815	467214	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	4817 627154	28861	52778	131709	324393	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	24207 2996584	134908	266412	660041	1547709	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	29576 3643651	163092	306730	786983	1900791	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	25495 3133067	132867	258312	666071	1613101	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	18309 1751892	85862	169565	397129	908234	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	19385 1781982	91009	170672	398483	933936	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	22836 2885711	126488	239173	601621	1478784	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	16561 1775406	84845	160047	380139	881212	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	2434 199601	9430	17684	38898	92223	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	11464 1222750	54790	103777	251123	569561	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	3853 485857	20194	39077	95919	228628	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	27467 3283142	136967	257416	644822	1510531	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	10440 1151805	53405	99915	245495	546405	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	4722 428446	23239	43426	97722	205582	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 15:04 Calibration End Date: 10/05/2012 17:09 Calibration ID: 10749

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
Toluene-d8 (Surr)	CBZ	Ave	25877 2472302	129203	217184	595270	1227518	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Lin1	10696 770178	40624	71096	174882	377353	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22819.D		
Lims ID:	IC	Client ID:	
Inject. Date:	05-Oct-2012 15:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC		
Misc. Info.:	480-0015469-002		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	74
Lims Batch ID:	84069	Lims Sample ID:	2
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 22:59:24	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 22:59:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	523035	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	85	281927	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	95	262269	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.001	0	4722	1.11	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	56	25877	1.10	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	55	10696	1.19	
10 Dichlorodifluoromethane	85	4.619	4.595	0.024	1	3101	2.37	
12 Chloromethane	50	5.022	5.022	0.0	60	14007	1.24	
13 Vinyl chloride	62	5.247	5.259	-0.012	25	9489	1.02	
14 Bromomethane	94	5.864	5.876	-0.012	24	7612	1.20	
15 Chloroethane	64	6.006	6.018	-0.012	17	5987	0.9865	
17 Trichlorofluoromethane	101	6.338	6.338	0.0	17	7272	3.32	
20 Acrolein	56	6.908	6.907	0.001	59	14542	20.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.943	6.943	0.0	1	1860	1.23	
22 1,1-Dichloroethene	96	7.003	7.002	0.001	54	5937	1.00	
23 Acetone	43	7.074	7.062	0.012	84	14494	5.20	
25 Iodomethane	142	7.240	7.239	0.001	76	8162	0.9520	
26 Carbon disulfide	76	7.323	7.323	0.001	78	20190	1.03	
27 Methyl acetate	43	7.358	7.346	0.012	57	8586	0.9825	
29 Acetonitrile	40	7.418	7.406	0.012	95	27391	41.6	
30 Methylene Chloride	84	7.524	7.524	0.0	74	9355	1.19	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	67	21483	1.04	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	62	8728	1.17	
33 Acrylonitrile	53	7.773	7.773	0.0	87	16769	4.81	
37 Vinyl acetate	43	8.105	8.105	0.0	96	81794	4.63	
39 1,1-Dichloroethane	63	8.165	8.164	0.001	39	16439	1.10	
43 2-Butanone (MEK)	43	8.627	8.615	0.012	95	22014	4.99	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	38	8481	1.01	
45 cis-1,2-Dichloroethene	96	8.651	8.663	-0.012	52	8988	1.12	
49 Tetrahydrofuran	42	8.900	8.888	0.012	81	13944	4.77	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	77	3626	0.8989	
50 Chloroform	83	8.900	8.888	0.012	67	14120	1.09	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	42	9618	0.9527	
52 Cyclohexane	56	9.101	9.101	0.0	64	8413	2.52	
54 1,1-Dichloropropene	75	9.173	9.172	0.001	38	9073	0.9772	
55 Carbon tetrachloride	117	9.196	9.196	0.0	67	7559	0.8472	
57 Benzene	78	9.374	9.374	0.0	90	30422	1.07	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	57	12630	1.07	
62 Trichloroethene	95	9.849	9.848	0.001	59	7658	1.04	
64 Methylcyclohexane	83	9.979	9.979	0.0	56	8082	0.8561	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	58	8513	1.01	
67 Dibromomethane	93	10.192	10.192	0.0	78	5097	1.02	
68 Dichlorobromomethane	83	10.252	10.252	0.0	44	9815	1.01	
69 2-Chloroethyl vinyl ether	63	10.382	10.370	0.012	76	23072	4.14	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	59	10670	0.9323	
73 4-Methyl-2-pentanone (MIBK)	43	10.608	10.607	0.001	90	44520	4.71	
74 Toluene	92	10.833	10.833	0.0	77	17113	0.9712	
75 Ethyl methacrylate	69	10.904	10.904	0.0	31	7947	0.9038	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	51	10855	0.9655	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	45	6004	1.06	
80 2-Hexanone	43	11.248	11.248	0.0	93	30982	4.65	
81 Tetrachloroethene	166	11.283	11.283	0.0	67	7546	0.9816	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	68	12339	1.04	
83 Chlorodibromomethane	129	11.532	11.532	0.0	26	8024	1.03	
84 Ethylene Dibromide	107	11.663	11.663	0.0	55	6760	1.01	
88 Ethylbenzene	91	11.995	11.995	0.0	85	35651	1.05	
87 Chlorobenzene	112	11.995	11.995	0.0	66	22115	1.08	
89 1,1,1,2-Tetrachloroethane	131	12.031	12.030	0.001	44	7354	1.00	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	93	25763	2.00	
91 o-Xylene	106	12.434	12.434	0.0	81	11828	0.9670	
92 Styrene	104	12.446	12.445	0.001	70	17406	0.8790	
94 Isopropylbenzene	105	12.695	12.694	0.001	72	29785	0.9778	
95 Bromoform	173	12.730	12.730	0.0	16	4217	0.8723	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	10	10401	1.10	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.026	0.001	33	5163	24.2	
99 N-Propylbenzene	91	13.050	13.050	0.0	83	36411	0.9441	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	17	2463	0.9010	
101 Bromobenzene	156	13.122	13.121	0.001	65	8721	1.04	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	64	23896	0.9259	
103 2-Chlorotoluene	126	13.228	13.228	0.0	76	7500	0.9576	
105 4-Chlorotoluene	126	13.323	13.311	0.012	70	8074	0.9856	
106 tert-Butylbenzene	134	13.501	13.513	-0.012	61	4817	0.8961	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	45	24207	0.9240	
109 sec-Butylbenzene	105	13.703	13.702	0.001	56	29576	0.9377	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	63	25495	0.9555	
111 1,3-Dichlorobenzene	146	13.952	13.951	0.001	52	18309	1.11	
113 1,4-Dichlorobenzene	146	14.035	14.034	0.001	65	19385	1.14	
115 n-Butylbenzene	91	14.224	14.224	0.0	72	22836	0.9313	
116 1,2-Dichlorobenzene	146	14.462	14.461	0.001	54	16561	1.04	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.374	0.001	1	2434	1.26	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	22	11464	1.09	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	1	3853	0.9682	

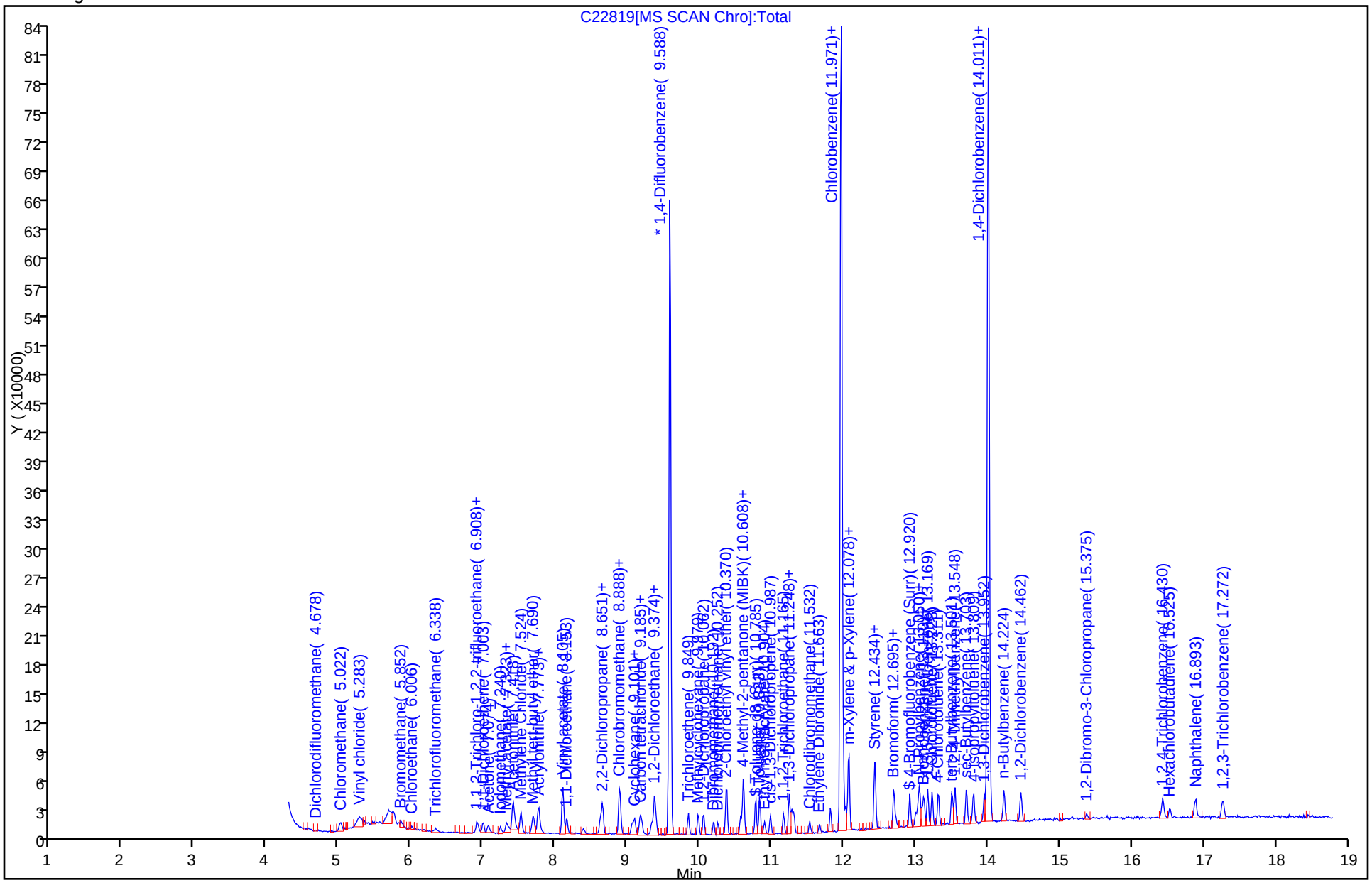
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.893	16.880	0.013	55	27467	1.02	
122 1,2,3-Trichlorobenzene	180	17.272	17.260	0.012	27	10440	1.04	
S 123 Total BTEX	1				0		6.06	
S 124 Xylenes, Total	1				0		2.97	
S 125 1,2-Dichloroethene, Total	1				0		2.29	
S 126 1,3-Dichloropropene, Total	1				0		1.90	

Report Date: 05-Oct-2012 22:59:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22819.D

Injection Date:	05-Oct-2012 15:04:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	2
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22820.D		
Lims ID:	IC 2	Client ID:	
Inject. Date:	05-Oct-2012 15:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC 2		
Misc. Info.:	480-0015469-003		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	75
Lims Batch ID:	84069	Lims Sample ID:	3
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:00:09	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:00:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	539903	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	302964	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	91	277383	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	23239	5.29	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	91	129203	5.13	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	83	40624	4.93	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	66	29470	6.32	
12 Chloromethane	50	5.022	5.022	0.0	96	60386	5.17	
13 Vinyl chloride	62	5.247	5.259	-0.012	83	50432	5.26	
14 Bromomethane	94	5.864	5.876	-0.012	78	32612	4.99	
15 Chloroethane	64	6.006	6.018	-0.012	67	32177	5.14	
17 Trichlorofluoromethane	101	6.326	6.338	-0.012	54	47545	6.83	
20 Acrolein	56	6.908	6.907	0.001	88	66295	90.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.943	-0.012	35	24364	5.18	
22 1,1-Dichloroethene	96	6.991	7.002	-0.012	89	30853	5.04	
23 Acetone	43	7.062	7.062	0.0	96	69543	24.2	
25 Iodomethane	142	7.240	7.239	0.001	92	43976	4.97	
26 Carbon disulfide	76	7.323	7.323	0.001	96	100006	4.95	
27 Methyl acetate	43	7.346	7.346	0.0	94	44216	4.90	
29 Acetonitrile	40	7.406	7.406	0.0	99	142897	210.2	
30 Methylene Chloride	84	7.524	7.524	0.0	88	39911	4.92	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	91	102437	4.79	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	88	38357	4.99	
33 Acrylonitrile	53	7.773	7.773	0.0	99	88660	24.6	
37 Vinyl acetate	43	8.105	8.105	0.0	97	427446	23.4	
39 1,1-Dichloroethane	63	8.153	8.164	-0.011	78	78071	5.07	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	97	110840	24.4	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	78	45146	5.20	
45 cis-1,2-Dichloroethene	96	8.651	8.663	-0.012	73	40616	4.91	
49 Tetrahydrofuran	42	8.888	8.888	0.0	91	75447	25.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	80	21650	5.20	
50 Chloroform	83	8.900	8.888	0.012	78	68652	5.12	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	85	54156	5.20	
52 Cyclohexane	56	9.101	9.101	0.0	90	55457	5.93	
54 1,1-Dichloropropene	75	9.172	9.172	0.0	85	48636	5.07	
55 Carbon tetrachloride	117	9.196	9.196	0.0	75	47740	5.18	
57 Benzene	78	9.374	9.374	0.0	97	150817	5.14	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	77	61088	5.01	
62 Trichloroethene	95	9.848	9.848	0.0	90	39047	5.15	
64 Methylcyclohexane	83	9.979	9.979	0.0	96	48535	4.98	
65 1,2-Dichloropropane	63	10.050	10.062	-0.012	90	44114	5.07	
67 Dibromomethane	93	10.192	10.192	0.0	85	25425	4.94	
68 Dichlorobromomethane	83	10.252	10.252	0.0	85	49668	4.94	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	91	133037	23.1	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	91	60234	4.90	
73 4-Methyl-2-pentanone (MIBK)	43	10.607	10.607	0.0	98	249290	24.5	
74 Toluene	92	10.833	10.833	0.0	96	95829	5.06	
75 Ethyl methacrylate	69	10.904	10.904	0.0	90	42570	4.51	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	71	58477	5.04	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	85	30945	5.09	
80 2-Hexanone	43	11.248	11.248	0.0	98	170904	23.9	
81 Tetrachloroethene	166	11.283	11.283	0.0	89	42493	5.14	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	91	66023	5.17	
83 Chlorodibromomethane	129	11.532	11.532	0.0	73	39111	4.69	
84 Ethylene Dibromide	107	11.663	11.663	0.0	86	34998	4.87	
88 Ethylbenzene	91	11.995	11.995	0.0	91	182390	5.00	
87 Chlorobenzene	112	11.995	11.995	0.0	78	111724	5.07	
89 1,1,1,2-Tetrachloroethane	131	12.030	12.030	0.0	68	40386	5.12	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	137057	9.92	
91 o-Xylene	106	12.434	12.434	0.0	91	64569	4.91	
92 Styrene	104	12.445	12.445	0.0	90	100571	4.73	
94 Isopropylbenzene	105	12.694	12.694	0.0	95	157075	4.88	
95 Bromoform	173	12.730	12.730	0.0	78	24999	4.81	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	82	48272	4.84	
98 trans-1,4-Dichloro-2-butene	53	13.026	13.026	0.0	83	34830	33.4	
99 N-Propylbenzene	91	13.050	13.050	0.0	98	195708	4.80	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	78	14339	4.96	
101 Bromobenzene	156	13.121	13.121	0.0	67	44048	4.95	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	92	131097	4.80	
103 2-Chlorotoluene	126	13.228	13.228	0.0	94	41745	5.04	
105 4-Chlorotoluene	126	13.311	13.311	0.0	97	43632	5.04	
106 tert-Butylbenzene	134	13.513	13.513	0.0	87	28861	5.08	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	94	134908	4.87	
109 sec-Butylbenzene	105	13.702	13.702	0.0	89	163092	4.89	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	94	132867	4.71	
111 1,3-Dichlorobenzene	146	13.951	13.951	0.0	93	85862	4.91	
113 1,4-Dichlorobenzene	146	14.034	14.034	0.0	87	91009	5.06	
115 n-Butylbenzene	91	14.224	14.224	0.0	94	126488	4.88	
116 1,2-Dichlorobenzene	146	14.461	14.461	0.0	94	84845	5.05	
117 1,2-Dibromo-3-Chloropropane	75	15.374	15.374	0.0	19	9430	4.89	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	83	54790	4.90	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	68	20194	4.80	

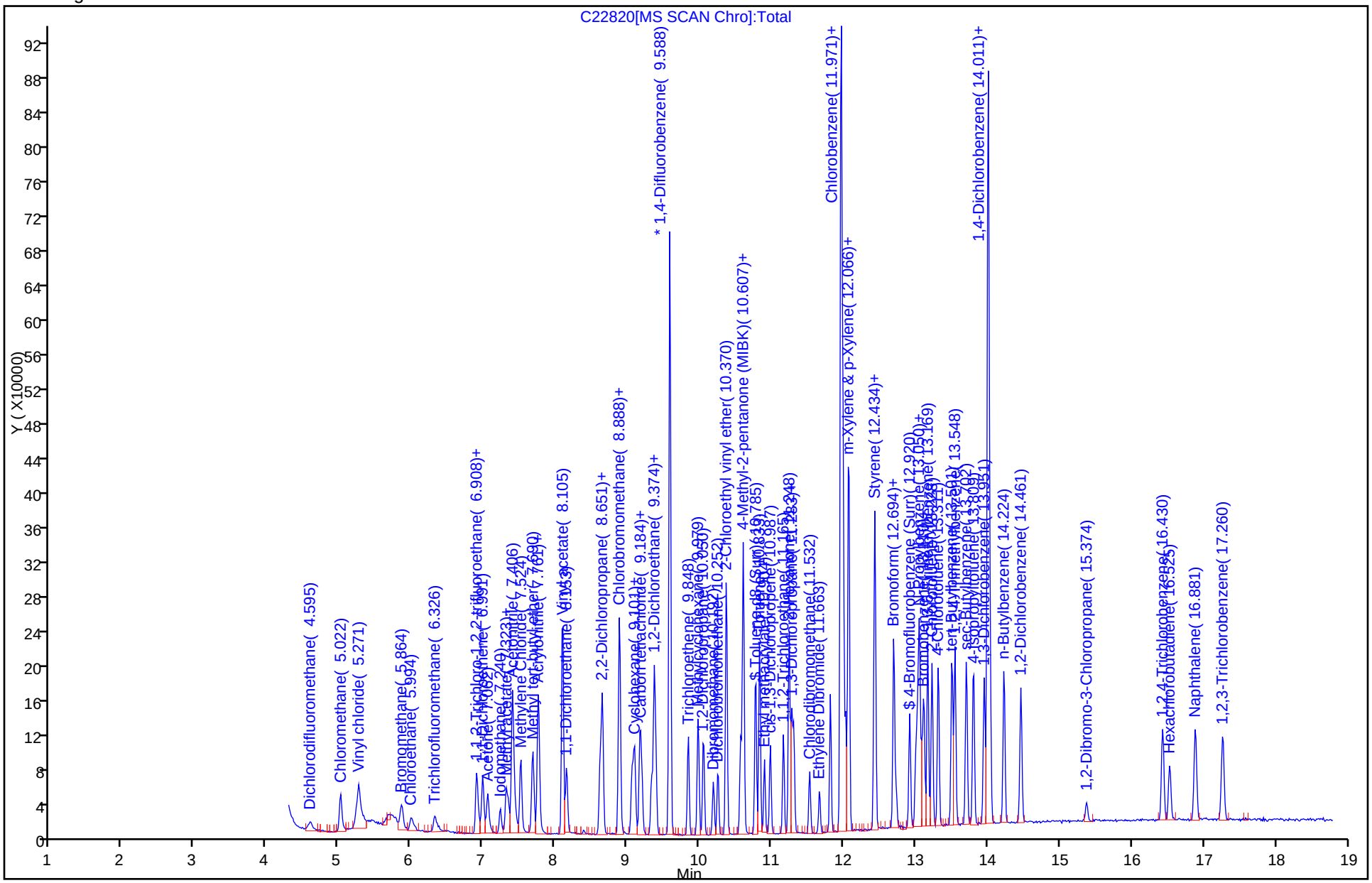
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.881	16.880	0.0	93	136967	4.81	
122 1,2,3-Trichlorobenzene	180	17.260	17.260	0.0	86	53405	5.02	
S 123 Total BTEX	1				0		30.0	
S 124 Xylenes, Total	1				0		14.8	
S 125 1,2-Dichloroethene, Total	1				0		9.90	
S 126 1,3-Dichloropropene, Total	1				0		9.94	

Report Date: 05-Oct-2012 23:00:10 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22820.D

Injection Date:	05-Oct-2012 15:29:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	3
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22821.D		
Lims ID:	IC 3	Client ID:	
Inject. Date:	05-Oct-2012 15:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 3		
Misc. Info.:	480-0015469-004		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	76
Lims Batch ID:	84069	Lims Sample ID:	4
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:00:46	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:00:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	551823	25.0	
* 2 Chlorobenzene-d5	82	11.959	11.971	-0.012	89	301700	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	89	283605	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.001	0	43426	9.67	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	93	217184	8.66	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	84	71096	8.88	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	78	41794	8.04	
12 Chloromethane	50	5.022	5.022	0.0	89	105057	8.80	
13 Vinyl chloride	62	5.259	5.259	0.0	79	82199	8.38	
14 Bromomethane	94	5.864	5.876	-0.012	88	59480	8.90	
15 Chloroethane	64	6.006	6.018	-0.012	82	59388	9.28	
17 Trichlorofluoromethane	101	6.327	6.338	-0.011	84	75359	9.13	
20 Acrolein	56	6.908	6.907	0.001	93	137127	182.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.943	-0.012	15	44331	8.53	
22 1,1-Dichloroethene	96	7.003	7.002	0.001	83	54862	8.77	
23 Acetone	43	7.062	7.062	0.0	99	138335	47.1	
25 Iodomethane	142	7.240	7.239	0.001	96	81870	9.05	
26 Carbon disulfide	76	7.323	7.323	0.001	99	183544	8.88	
27 Methyl acetate	43	7.346	7.346	0.0	98	87830	9.53	
29 Acetonitrile	40	7.406	7.406	0.0	99	262575	378.0	
30 Methylene Chloride	84	7.524	7.524	0.0	88	77629	9.36	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	92	201321	9.22	
34 trans-1,2-Dichloroethene	96	7.762	7.761	0.001	90	70863	9.02	
33 Acrylonitrile	53	7.773	7.773	0.0	97	171205	46.5	
37 Vinyl acetate	43	8.105	8.105	0.0	97	878438	47.1	
39 1,1-Dichloroethane	63	8.153	8.164	-0.011	82	147856	9.39	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	98	221916	47.7	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	87	81235	9.16	
45 cis-1,2-Dichloroethene	96	8.651	8.663	-0.012	74	79136	9.36	
49 Tetrahydrofuran	42	8.900	8.888	0.012	91	147262	47.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	85	41857	9.83	
50 Chloroform	83	8.888	8.888	0.0	78	130363	9.52	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	90	97838	9.19	
52 Cyclohexane	56	9.102	9.101	0.001	93	96931	8.80	
54 1,1-Dichloropropene	75	9.173	9.172	0.001	89	86883	8.87	
55 Carbon tetrachloride	117	9.196	9.196	0.0	79	83110	8.83	
57 Benzene	78	9.374	9.374	0.0	97	281933	9.39	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	78	119704	9.60	
62 Trichloroethene	95	9.849	9.848	0.001	94	71537	9.24	
64 Methylcyclohexane	83	9.979	9.979	0.0	97	81770	8.21	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	92	84294	9.48	
67 Dibromomethane	93	10.192	10.192	0.0	87	50531	9.61	
68 Dichlorobromomethane	83	10.252	10.252	0.0	85	95975	9.34	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	90	273015	46.5	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	94	112941	9.22	
73 4-Methyl-2-pentanone (MIBK)	43	10.608	10.607	0.001	98	476493	47.1	
74 Toluene	92	10.833	10.833	0.0	96	177951	9.44	
75 Ethyl methacrylate	69	10.904	10.904	0.0	90	84774	9.01	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	80	106426	8.97	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	85	56342	9.30	
80 2-Hexanone	43	11.248	11.248	0.0	97	330177	46.3	
81 Tetrachloroethene	166	11.283	11.283	0.0	94	75084	9.13	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	96	119855	9.43	
83 Chlorodibromomethane	129	11.533	11.532	0.0	86	75838	9.13	
84 Ethylene Dibromide	107	11.663	11.663	0.0	95	67777	9.47	
88 Ethylbenzene	91	11.995	11.995	0.0	93	336459	9.26	
87 Chlorobenzene	112	11.995	11.995	0.0	79	206525	9.40	
89 1,1,1,2-Tetrachloroethane	131	12.031	12.030	0.001	77	73866	9.41	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	256641	18.7	
91 o-Xylene	106	12.434	12.434	0.0	92	121976	9.32	
92 Styrene	104	12.446	12.445	0.001	92	196234	9.26	
94 Isopropylbenzene	105	12.695	12.694	0.001	96	302057	9.17	
95 Bromoform	173	12.730	12.730	0.0	93	47691	9.22	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	87	93816	9.21	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.026	0.001	86	84183	48.3	
99 N-Propylbenzene	91	13.050	13.050	0.0	99	377261	9.05	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	82	28632	9.69	
101 Bromobenzene	156	13.122	13.121	0.001	65	83755	9.21	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	94	257845	9.24	
103 2-Chlorotoluene	126	13.228	13.228	0.0	95	80875	9.55	
105 4-Chlorotoluene	126	13.311	13.311	0.0	99	84059	9.49	
106 tert-Butylbenzene	134	13.513	13.513	0.0	91	52778	9.08	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	96	266412	9.40	
109 sec-Butylbenzene	105	13.703	13.702	0.001	93	306730	8.99	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	96	258312	8.95	
111 1,3-Dichlorobenzene	146	13.952	13.951	0.001	97	169565	9.49	
113 1,4-Dichlorobenzene	146	14.035	14.034	0.001	89	170672	9.27	
115 n-Butylbenzene	91	14.224	14.224	0.0	97	239173	9.02	
116 1,2-Dichlorobenzene	146	14.462	14.461	0.001	95	160047	9.31	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.374	0.001	51	17684	9.04	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	91	103777	9.09	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	85	39077	9.08	

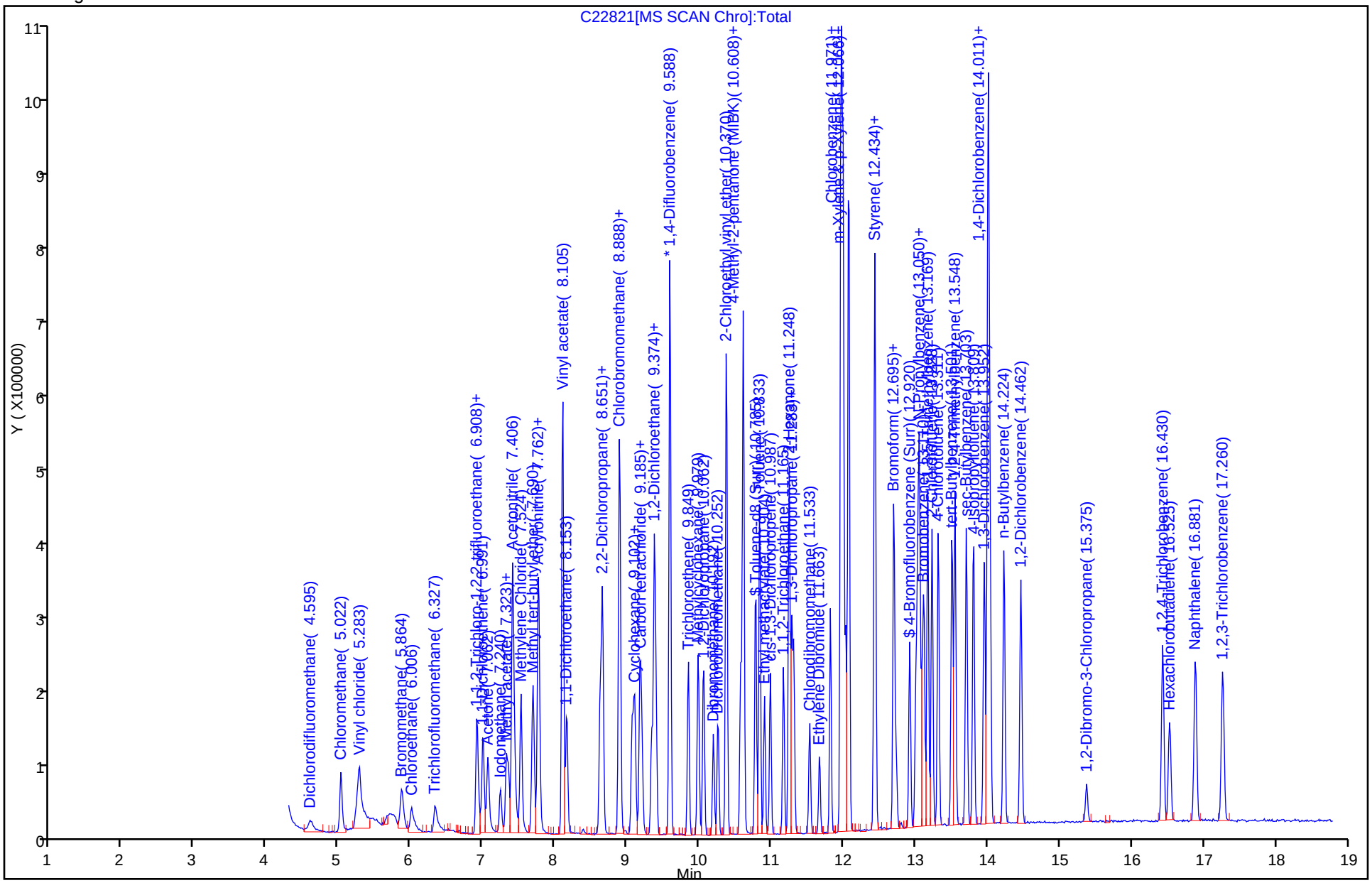
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.881	16.880	0.001	96	257416	8.84	
122 1,2,3-Trichlorobenzene	180	17.260	17.260	0.0	93	99915	9.18	
S 123 Total BTEX	1				0		56.1	
S 124 Xylenes, Total	1				0		28.0	
S 125 1,2-Dichloroethene, Total	1				0		18.4	
S 126 1,3-Dichloropropene, Total	1				0		18.2	

Report Date: 05-Oct-2012 23:00:46 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22821.D

Injection Date:	05-Oct-2012 15:54:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	4
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22822.D		
Lims ID:	ICIS 4	Client ID:	
Inject. Date:	05-Oct-2012 16:19:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	4
Sample ID:	ICIS 4		
Misc. Info.:	480-0015469-005		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	77
Lims Batch ID:	84069	Lims Sample ID:	5
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:02:03	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 22:19:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.587	9.587	0.0	96	541189	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	290568	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	76	273347	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	97722	22.2	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	93	595270	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	174882	23.1	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	89	132659	21.8	
12 Chloromethane	50	5.022	5.022	0.0	89	265310	22.7	
13 Vinyl chloride	62	5.259	5.259	0.0	98	217960	22.7	
14 Bromomethane	94	5.876	5.876	0.0	89	141625	21.6	
15 Chloroethane	64	6.018	6.018	0.0	93	140421	22.4	
17 Trichlorofluoromethane	101	6.338	6.338	0.0	83	212829	21.1	
20 Acrolein	56	6.907	6.907	0.0	98	330739	449.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.943	6.943	0.0	69	114551	21.0	
22 1,1-Dichloroethene	96	7.002	7.002	0.0	82	130763	21.3	
23 Acetone	43	7.062	7.062	0.0	100	318202	110.4	
25 Iodomethane	142	7.239	7.239	0.0	98	207028	23.3	
26 Carbon disulfide	76	7.323	7.323	0.0	100	465659	23.0	
27 Methyl acetate	43	7.346	7.346	0.0	99	205296	22.7	
29 Acetonitrile	40	7.406	7.406	0.0	100	605715	889.0	
30 Methylene Chloride	84	7.524	7.524	0.0	89	180790	22.2	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	483943	22.6	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	93	168943	21.9	
33 Acrylonitrile	53	7.773	7.773	0.0	98	421904	117.0	
37 Vinyl acetate	43	8.105	8.105	0.0	97	2233088	122.2	
39 1,1-Dichloroethane	63	8.164	8.164	0.0	85	350195	22.7	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	99	528452	115.8	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	86	200429	23.0	
45 cis-1,2-Dichloroethene	96	8.663	8.663	0.0	74	190074	22.9	
49 Tetrahydrofuran	42	8.888	8.888	0.0	92	347477	114.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	88	97197	23.3	
50 Chloroform	83	8.888	8.888	0.0	81	298897	22.2	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	91	230143	22.0	
52 Cyclohexane	56	9.101	9.101	0.0	94	256857	20.6	
54 1,1-Dichloropropene	75	9.172	9.172	0.0	91	218868	22.8	
55 Carbon tetrachloride	117	9.196	9.196	0.0	81	218096	23.6	
57 Benzene	78	9.374	9.374	0.0	97	673095	22.9	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	84	280586	23.0	
62 Trichloroethene	95	9.848	9.848	0.0	93	176800	23.3	
64 Methylcyclohexane	83	9.979	9.979	0.0	98	240114	24.6	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	93	204744	23.5	
67 Dibromomethane	93	10.192	10.192	0.0	88	119182	23.1	
68 Dichlorobromomethane	83	10.252	10.252	0.0	97	236775	23.5	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	90	718058	124.6	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	95	286376	24.3	
73 4-Methyl-2-pentanone (MIBK)	43	10.607	10.607	0.0	98	1195585	122.7	
74 Toluene	92	10.833	10.833	0.0	96	436978	24.1	
75 Ethyl methacrylate	69	10.904	10.904	0.0	92	220887	24.4	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	87	268080	23.0	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	88	138232	23.7	
80 2-Hexanone	43	11.248	11.248	0.0	97	834793	121.6	
81 Tetrachloroethene	166	11.283	11.283	0.0	91	189440	23.9	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	92	286302	23.4	
83 Chlorodibromomethane	129	11.532	11.532	0.0	88	188681	23.6	
84 Ethylene Dibromide	107	11.663	11.663	0.0	97	159750	23.2	
88 Ethylbenzene	91	11.995	11.995	0.0	93	818830	23.4	
87 Chlorobenzene	112	11.995	11.995	0.0	80	493144	23.3	
89 1,1,1,2-Tetrachloroethane	131	12.030	12.030	0.0	75	176436	23.3	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	98	624487	47.2	
91 o-Xylene	106	12.434	12.434	0.0	96	295751	23.5	
92 Styrene	104	12.445	12.445	0.0	91	489032	24.0	
94 Isopropylbenzene	105	12.694	12.694	0.0	97	744652	23.5	
95 Bromoform	173	12.730	12.730	0.0	96	118116	23.7	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	85	220934	22.5	
98 trans-1,4-Dichloro-2-butene	53	13.026	13.026	0.0	91	240045	98.9	
99 N-Propylbenzene	91	13.050	13.050	0.0	98	960421	23.9	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	86	66797	23.4	
101 Bromobenzene	156	13.121	13.121	0.0	63	202495	23.1	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	95	640519	23.8	
103 2-Chlorotoluene	126	13.228	13.228	0.0	95	190550	23.3	
105 4-Chlorotoluene	126	13.311	13.311	0.0	99	196815	23.1	
106 tert-Butylbenzene	134	13.513	13.513	0.0	92	131709	23.5	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	71	660041	24.2	
109 sec-Butylbenzene	105	13.702	13.702	0.0	95	786983	23.9	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	95	666071	24.0	
111 1,3-Dichlorobenzene	146	13.951	13.951	0.0	97	397129	23.1	
113 1,4-Dichlorobenzene	146	14.034	14.034	0.0	82	398483	22.5	
115 n-Butylbenzene	91	14.224	14.224	0.0	98	601621	23.5	
116 1,2-Dichlorobenzene	146	14.461	14.461	0.0	96	380139	22.9	
117 1,2-Dibromo-3-Chloropropane	75	15.374	15.374	0.0	64	38898	20.8	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	93	251123	22.8	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	91	95919	23.1	

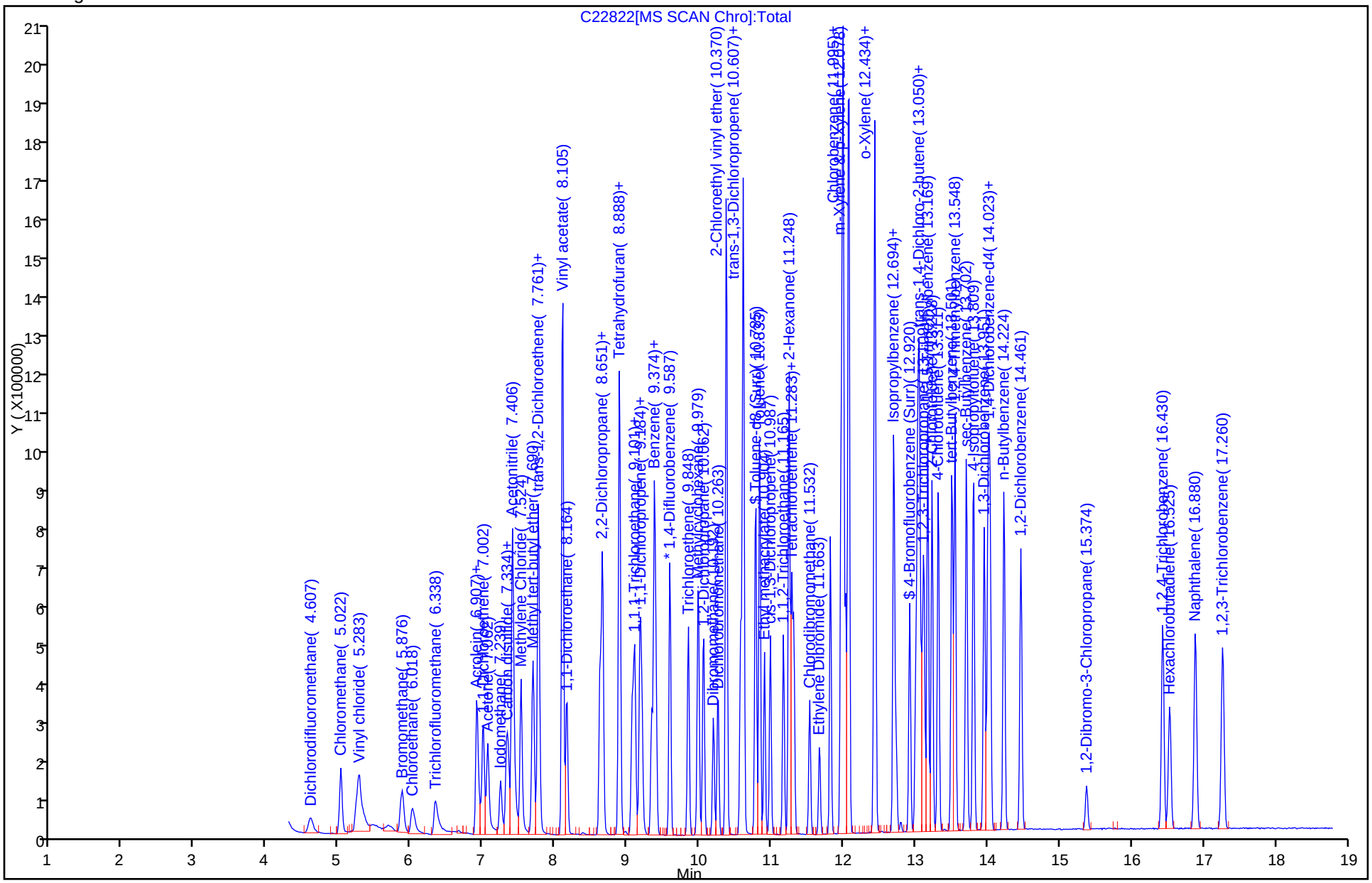
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.880	16.880	0.0	97	644822	23.0	
122 1,2,3-Trichlorobenzene	180	17.260	17.260	0.0	95	245495	23.4	
S 123 Total BTEX	1				0		140.9	
S 124 Xylenes, Total	1				0		70.6	
S 125 1,2-Dichloroethene, Total	1				0		44.8	
S 126 1,3-Dichloropropene, Total	1				0		47.3	

Report Date: 05-Oct-2012 23:02:03 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22822.D

Injection Date:	05-Oct-2012 16:19:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	5
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22823.D		
Lims ID:	IC 5	Client ID:	
Inject. Date:	05-Oct-2012 16:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 5		
Misc. Info.:	480-0015469-006		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	78
Lims Batch ID:	84069	Lims Sample ID:	6
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:02:54	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:02:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	526961	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	84	302009	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	95	283630	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.001	0	205582	48.0	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	1227518	48.9	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	87	377353	48.3	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	86	332639	53.1	
12 Chloromethane	50	5.034	5.022	0.012	89	572405	50.2	
13 Vinyl chloride	62	5.259	5.259	0.0	84	511674	54.7	
14 Bromomethane	94	5.876	5.876	0.0	91	323987	50.8	
15 Chloroethane	64	6.006	6.018	-0.012	93	330365	54.0	
17 Trichlorofluoromethane	101	6.338	6.338	0.0	84	544340	51.2	
20 Acrolein	56	6.908	6.907	0.001	99	796052	1110.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.943	-0.012	74	294446	52.6	
22 1,1-Dichloroethene	96	7.002	7.002	0.0	82	327143	54.8	
23 Acetone	43	7.062	7.062	0.0	97	750876	267.4	
25 Iodomethane	142	7.240	7.239	0.001	99	473490	54.8	
26 Carbon disulfide	76	7.323	7.323	0.001	100	1058944	53.7	
27 Methyl acetate	43	7.346	7.346	0.0	99	470886	53.5	
29 Acetonitrile	40	7.406	7.406	0.0	99	1346986	2030.3	
30 Methylene Chloride	84	7.524	7.524	0.0	89	383995	48.5	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	1097390	52.6	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	90	375731	50.1	
33 Acrylonitrile	53	7.773	7.773	0.0	98	941023	267.9	
37 Vinyl acetate	43	8.105	8.105	0.0	97	4911070	275.9	
39 1,1-Dichloroethane	63	8.153	8.164	-0.011	86	759706	50.5	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	98	1188534	267.6	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	87	452063	53.4	
45 cis-1,2-Dichloroethene	96	8.651	8.663	-0.012	74	414147	51.3	
49 Tetrahydrofuran	42	8.888	8.888	0.0	92	820794	278.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	88	222285	54.7	
50 Chloroform	83	8.888	8.888	0.0	80	677532	51.8	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	92	571669	56.2	
52 Cyclohexane	56	9.101	9.101	0.0	94	697787	54.0	
54 1,1-Dichloropropene	75	9.173	9.172	0.001	91	519066	55.5	
55 Carbon tetrachloride	117	9.196	9.196	0.0	71	512957	57.1	
57 Benzene	78	9.374	9.374	0.0	98	1481135	51.7	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	86	618930	52.0	
62 Trichloroethene	95	9.849	9.848	0.0	93	383307	51.8	
64 Methylcyclohexane	83	9.979	9.979	0.0	98	570367	60.0	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	93	446276	52.6	
67 Dibromomethane	93	10.192	10.192	0.0	89	263659	52.5	
68 Dichlorobromomethane	83	10.252	10.252	0.0	92	523113	53.3	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	90	1636237	291.7	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	95	665366	54.3	
73 4-Methyl-2-pentanone (MIBK)	43	10.607	10.607	0.0	98	2757640	272.3	
74 Toluene	92	10.833	10.833	0.0	97	999026	52.9	
75 Ethyl methacrylate	69	10.904	10.904	0.0	93	534036	56.7	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	87	632050	55.8	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	89	308348	50.9	
80 2-Hexanone	43	11.248	11.248	0.0	97	1974384	276.7	
81 Tetrachloroethene	166	11.283	11.283	0.0	92	432882	52.6	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	93	647859	50.9	
83 Chlorodibromomethane	129	11.532	11.532	0.0	88	446387	53.7	
84 Ethylene Dibromide	107	11.663	11.663	0.0	98	379950	53.0	
88 Ethylbenzene	91	11.995	11.995	0.0	93	1902600	52.3	
87 Chlorobenzene	112	11.995	11.995	0.0	82	1113896	50.7	
89 1,1,1,2-Tetrachloroethane	131	12.030	12.030	0.0	73	406760	51.8	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	1465708	106.5	
91 o-Xylene	106	12.434	12.434	0.0	96	702635	53.6	
92 Styrene	104	12.446	12.445	0.001	93	1184475	55.8	
94 Isopropylbenzene	105	12.695	12.694	0.001	97	1801494	54.7	
95 Bromoform	173	12.730	12.730	0.0	96	289216	55.8	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	87	524585	51.5	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.026	0.001	91	703279	238.3	
99 N-Propylbenzene	91	13.050	13.050	0.0	98	2279739	54.7	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	57	159244	53.9	
101 Bromobenzene	156	13.121	13.121	0.0	61	474659	52.2	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	93	1529677	54.8	
103 2-Chlorotoluene	126	13.228	13.228	0.0	95	446639	52.7	
105 4-Chlorotoluene	126	13.311	13.311	0.0	99	467214	52.7	
106 tert-Butylbenzene	134	13.501	13.513	-0.012	93	324393	55.8	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	71	1547709	54.6	
109 sec-Butylbenzene	105	13.703	13.702	0.0	95	1900791	55.7	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	95	1613101	55.9	
111 1,3-Dichlorobenzene	146	13.952	13.951	0.001	97	908234	50.8	
113 1,4-Dichlorobenzene	146	14.035	14.034	0.001	94	933936	50.7	
115 n-Butylbenzene	91	14.224	14.224	0.0	98	1478784	55.8	
116 1,2-Dichlorobenzene	146	14.461	14.461	0.0	96	881212	51.2	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.374	0.001	72	92223	47.6	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	94	569561	49.9	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	93	228628	53.1	

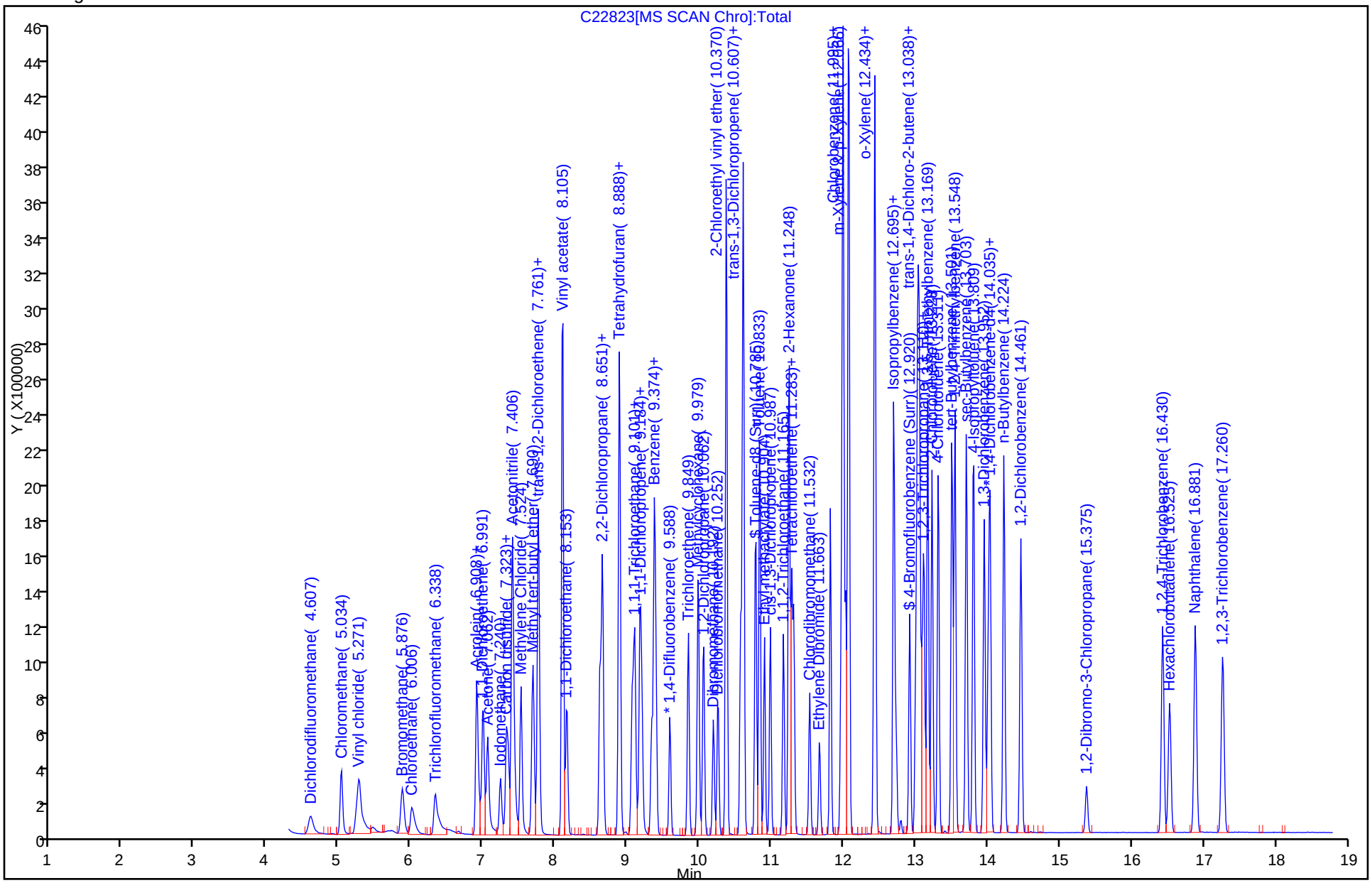
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.881	16.880	0.001	97	1510531	51.9	
122 1,2,3-Trichlorobenzene	180	17.260	17.260	0.0	94	546405	50.2	
S 123 Total BTEX	1				0		317.0	
S 124 Xylenes, Total	1				0		160.1	
S 125 1,2-Dichloroethene, Total	1				0		101.3	
S 126 1,3-Dichloropropene, Total	1				0		110.1	

Report Date: 05-Oct-2012 23:02:54 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22823.D

Injection Date:	05-Oct-2012 16:44:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	6
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22824.D
Lims ID: IC 6 Client ID:
Inject. Date: 05-Oct-2012 17:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: IC 6
Misc. Info.: 480-0015469-007
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 79
Lims Batch ID: 84069 Lims Sample ID: 7
Sublist: chrom-C-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m
Last Update: 05-Oct-2012 23:03:25 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK022

First Level Reviewer: HillL Date: 05-Oct-2012 23:03:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	517574	25.0	
* 2 Chlorobenzene-d5	82	11.959	11.971	-0.012	90	285720	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	93	272171	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.001	0	428446	101.8	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	2472302	104.1	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	87	770178	104.6	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	87	621283	99.3	
12 Chloromethane	50	5.022	5.022	0.0	89	1047184	93.6	
13 Vinyl chloride	62	5.259	5.259	0.0	84	1001290	108.9	
14 Bromomethane	94	5.876	5.876	0.0	92	644827	102.9	
15 Chloroethane	64	6.006	6.018	-0.012	94	650667	108.3	
17 Trichlorofluoromethane	101	6.326	6.338	-0.012	87	1074595	100.4	
20 Acrolein	56	6.908	6.907	0.001	99	1623296	2305.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.943	-0.012	68	571687	103.2	
22 1,1-Dichloroethene	96	6.991	7.002	-0.011	82	683449	116.5	
23 Acetone	43	7.062	7.062	0.0	99	1515674	549.6	
25 Iodomethane	142	7.240	7.239	0.001	98	949513	111.9	
26 Carbon disulfide	76	7.323	7.323	0.001	100	2131658	110.0	
27 Methyl acetate	43	7.346	7.346	0.0	99	956866	110.7	
29 Acetonitrile	40	7.406	7.406	0.0	99	2762471	4239.5	
30 Methylene Chloride	84	7.524	7.524	0.0	90	802353	103.1	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	2304011	112.5	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	90	774906	105.1	
33 Acrylonitrile	53	7.761	7.773	-0.012	98	1922638	557.3	
37 Vinyl acetate	43	8.093	8.105	-0.012	97	9732194	556.7	
39 1,1-Dichloroethane	63	8.153	8.164	-0.011	85	1520700	102.9	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	99	2347885	538.1	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	89	871679	104.7	
45 cis-1,2-Dichloroethene	96	8.651	8.663	-0.012	74	809081	102.0	
49 Tetrahydrofuran	42	8.888	8.888	0.0	93	1530688	529.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	88	420155	105.3	
50 Chloroform	83	8.888	8.888	0.0	82	1299024	101.1	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	92	1082933	108.4	
52 Cyclohexane	56	9.101	9.101	0.0	94	1278641	99.2	
54 1,1-Dichloropropene	75	9.173	9.172	0.001	91	1010366	110.0	
55 Carbon tetrachloride	117	9.196	9.196	0.0	72	1012505	114.7	
57 Benzene	78	9.374	9.374	0.0	97	2857145	101.5	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	85	1181049	101.0	
62 Trichloroethene	95	9.848	9.848	0.0	93	751951	103.5	
64 Methylcyclohexane	83	9.979	9.979	0.0	98	1069020	114.4	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	94	865940	103.8	
67 Dibromomethane	93	10.192	10.192	0.0	91	518852	105.2	
68 Dichlorobromomethane	83	10.252	10.252	0.0	92	1024774	106.3	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	92	3173539	576.0	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	93	1286672	110.9	
73 4-Methyl-2-pentanone (MIBK)	43	10.607	10.607	0.0	97	5097249	532.0	
74 Toluene	92	10.833	10.833	0.0	97	1878595	105.2	
75 Ethyl methacrylate	69	10.904	10.904	0.0	92	1056539	118.6	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	88	1214436	109.2	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	88	588598	102.6	
80 2-Hexanone	43	11.248	11.248	0.0	96	3742720	554.4	
81 Tetrachloroethene	166	11.283	11.283	0.0	92	833047	106.9	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	91	1241837	103.1	
83 Chlorodibromomethane	129	11.532	11.532	0.0	88	866403	110.1	
84 Ethylene Dibromide	107	11.663	11.663	0.0	97	731268	107.9	
88 Ethylbenzene	91	11.995	11.995	0.0	93	3592950	104.4	
87 Chlorobenzene	112	11.995	11.995	0.0	76	2127509	102.3	
89 1,1,1,2-Tetrachloroethane	131	12.030	12.030	0.0	76	790904	106.4	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	2772205	212.9	
91 o-Xylene	106	12.434	12.434	0.0	96	1373117	110.8	
92 Styrene	104	12.445	12.445	0.0	93	2356738	117.4	
94 Isopropylbenzene	105	12.695	12.694	0.001	97	3471789	109.8	
95 Bromoform	173	12.730	12.730	0.0	96	577403	117.8	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	87	1053011	107.7	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.026	0.001	92	1530310	511.9	
99 N-Propylbenzene	91	13.050	13.050	0.0	98	4573638	114.3	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	79	318716	112.3	
101 Bromobenzene	156	13.121	13.121	0.0	93	944146	108.2	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	93	3055990	114.1	
103 2-Chlorotoluene	126	13.228	13.228	0.0	95	886848	109.1	
105 4-Chlorotoluene	126	13.323	13.311	0.012	98	919477	108.2	
106 tert-Butylbenzene	134	13.513	13.513	0.0	93	627154	112.4	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	97	2996584	110.2	
109 sec-Butylbenzene	105	13.702	13.702	0.0	95	3643651	111.3	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	95	3133067	113.1	
111 1,3-Dichlorobenzene	146	13.952	13.951	0.001	97	1751892	102.2	
113 1,4-Dichlorobenzene	146	14.035	14.034	0.001	93	1781982	100.9	
115 n-Butylbenzene	91	14.224	14.224	0.0	98	2885711	113.4	
116 1,2-Dichlorobenzene	146	14.461	14.461	0.0	96	1775406	107.6	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.374	0.001	80	199601	107.5	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	94	1222750	111.6	
120 Hexachlorobutadiene	225	16.525	16.525	0.0	95	485857	117.6	

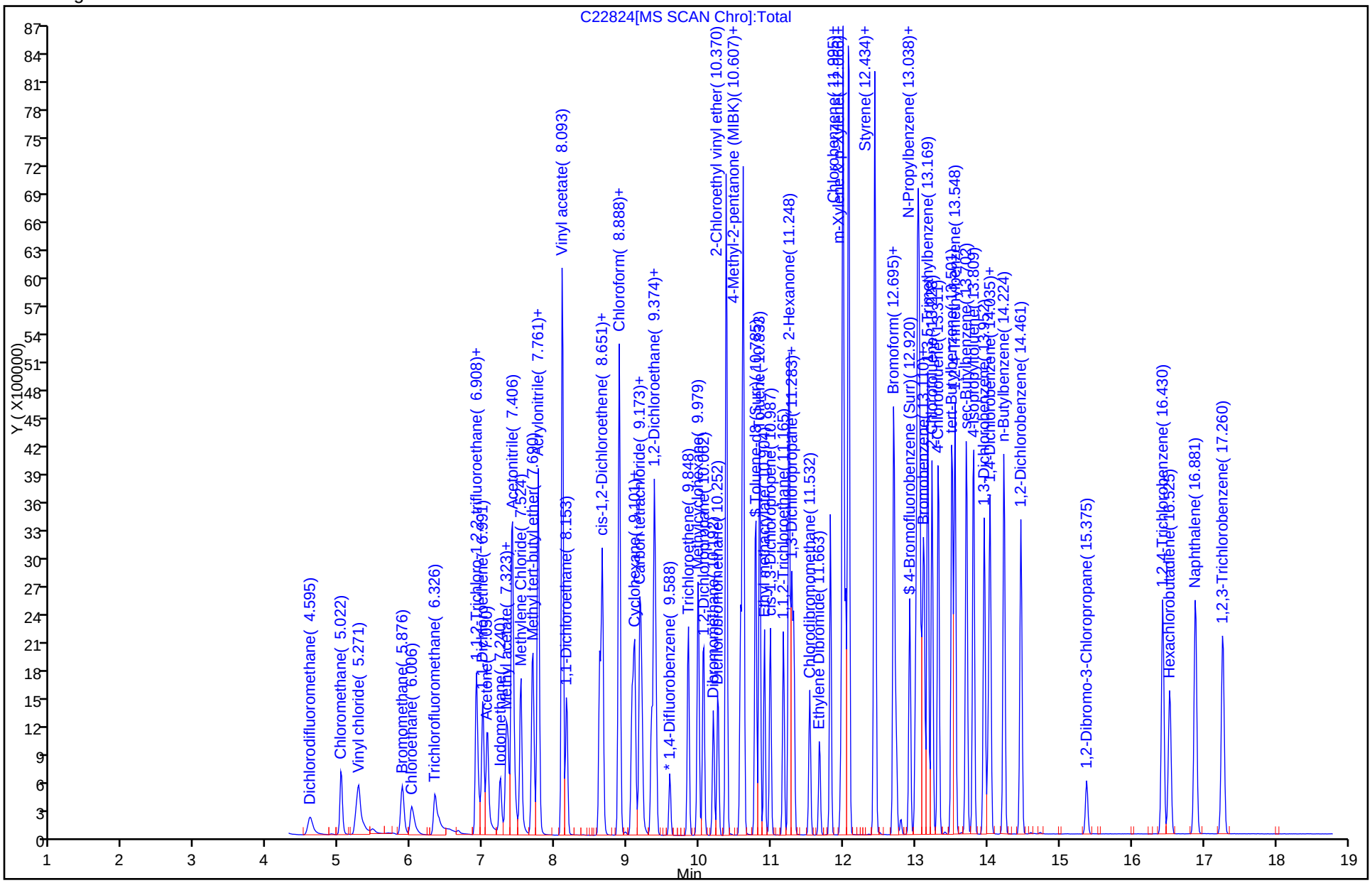
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.881	16.880	0.001	97	3283142	117.5	
122 1,2,3-Trichlorobenzene	180	17.260	17.260	0.0	92	1151805	110.2	
S 123 Total BTEX	1				0		634.7	
S 124 Xylenes, Total	1				0		323.6	
S 125 1,2-Dichloroethene, Total	1				0		207.1	
S 126 1,3-Dichloropropene, Total	1				0		220.1	

Report Date: 05-Oct-2012 23:03:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22824.D

Injection Date:	05-Oct-2012 17:09:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	7
Operator ID:	LH		
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.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 19:40 Calibration End Date: 10/05/2012 21:46 Calibration ID: 10750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-84069/10	C22830.D
Level 2	IC 480-84069/11	C22831.D
Level 3	IC 480-84069/12	C22832.D
Level 4	IC 480-84069/13	C22833.D
Level 5	IC 480-84069/14	C22834.D
Level 6	IC 480-84069/15	C22835.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								
Chlorodifluoromethane	0.4474 0.5636	0.5770	0.5237	0.5769	0.5376	Ave		0.5377				9.1		15.0			
Dichlorofluoromethane	0.5174 0.7061	0.7190	0.6826	0.7214	0.6634	Ave		0.6683				12.0		15.0			
Ethyl ether	0.2754 0.3620	0.3522	0.3513	0.3615	0.3401	Ave		0.3404				9.7		15.0			
Isopropyl alcohol	0.0202 0.0263	0.0264	0.0267	0.0292	0.0234	Ave		0.0254				12.0		15.0			
Allyl chloride	0.5454 0.6403	0.6301	0.5935	0.6484	0.5997	Ave		0.6096				6.3		15.0			
2-Methyl-2-propanol	0.0436 0.0507	0.0493	0.0493	0.0518	0.0480	Ave		0.0488				5.9		15.0			
Hexane	0.3958 0.5436	0.5341	0.4904	0.5329	0.5244	Ave		0.5035				11.0		15.0			
Isopropyl ether	1.1335 1.4150	1.3045	1.3082	1.4161	1.3056	Ave		1.3138				7.9		15.0			
1,1-Dimethoxyethane	0.0574 0.0787	0.0685	0.0706	0.0772	0.0737	Ave		0.0710				11.0		15.0			
Chloroprene	0.4099 0.6308	0.5655	0.5594	0.6222	0.5867	Ave		0.5624				14.0		15.0			
Tert-butyl ethyl ether	1.0755 1.2992	1.1948	1.2441	1.3003	1.2466	Ave		1.2268				6.8		15.0			
Ethyl acetate	0.3348 0.4544	0.4209	0.4306	0.4717	0.4156	Ave		0.4214				11.0		15.0			
Propionitrile	0.0548 0.0678	0.0662	0.0698	0.0724	0.0665	Ave		0.0662				9.2		15.0			
Methacrylonitrile	0.2271 0.2830	0.2584	0.2652	0.2830	0.2623	Ave		0.2632				7.8		15.0			
Isobutyl alcohol	0.0207 0.0265	0.0248	0.0261	0.0275	0.0258	Ave		0.0252				9.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 19:40 Calibration End Date: 10/05/2012 21:46 Calibration ID: 10750

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								
Tert-amyl methyl ether	0.8300 1.0510	0.9318	0.9682	1.0208	0.9810	Ave		0.9638				8.0		15.0			
n-Heptane	0.4158 0.4418	0.4066	0.4154	0.4490	0.4250	Ave		0.4256				3.9		15.0			
n-Butanol	0.0126 0.0179	0.0148	0.0163	0.0175	0.0175	Ave		0.0161				13.0		15.0			
Methyl methacrylate	0.3529 0.3882	0.3441	0.3712	0.3764	0.3726	Ave		0.3676				4.4		15.0			
1,4-Dioxane	0.0041 0.0062	0.0055	0.0057	0.0062	0.0062	Ave		0.0056				15.0		15.0			
2-Nitropropane	0.2311 0.2792	0.2229	0.2257	0.2611	0.2598	Ave		0.2466				9.4		15.0			
Epichlorohydrin	0.0415 0.0503	0.0466	0.0496	0.0537	0.0482	Ave		0.0483				8.5		15.0			
2-Methylthiophene	2.1887 2.3651	2.1759	2.1194	2.2180	2.1914	Ave		2.2098				3.7		15.0			
3-Methylthiophene	2.0929 2.3140	2.2441	2.1567	2.1573	2.2441	Ave		2.2015				3.6		15.0			
3-Chlorobenzotrifluoride	1.0614 0.9884	1.0525	0.9621	0.9900	0.9697	Ave		1.0040				4.2		15.0			
p-Monochlorobenzotrifluoride	0.8477 1.1058	1.2029	1.0546	1.0947	1.0630	Ave		1.0614				11.0		15.0			
2-Chlorobenzotrifluoride	0.8229 1.0123	1.0768	0.9664	1.0023	0.9765	Ave		0.9762				8.7		15.0			
Cyclohexanone	0.2106 0.2286	0.2371	0.2303	0.2321	0.2218	Ave		0.2268				4.1		15.0			
3-Chlorotoluene	0.6770 0.8628	0.8251	0.7718	0.8272	0.8260	Ave		0.7983				8.3		15.0			
Pentachloroethane	0.3073 0.3962	0.3535	0.3401	0.3726	0.3693	Ave		0.3565				8.6		15.0			
1,2,3-Trimethylbenzene	2.1557 2.8659	2.5266	2.4801	2.7360	2.7091	Ave		2.5789				9.7		15.0			
Dicyclopentadiene	0.5745 0.7960	0.7616	0.7238	0.7723	0.8104	Ave		0.7398				12.0		15.0			
1,3,5-Trichlorobenzene	1.0097 1.1312	1.1201	1.0432	1.0767	1.1333	Ave		1.0857				4.7		15.0			
Propene oxide	0.0898 0.1098	0.1095	0.1084	0.1140	0.1079	Ave		0.1066				8.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 19:40 Calibration End Date: 10/05/2012 21:46 Calibration ID: 10750

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-84069/10	C22830.D
Level 2	IC 480-84069/11	C22831.D
Level 3	IC 480-84069/12	C22832.D
Level 4	IC 480-84069/13	C22833.D
Level 5	IC 480-84069/14	C22834.D
Level 6	IC 480-84069/15	C22835.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
Chlorodifluoromethane	DFB	Ave	9488 1208432	61178	110702	295450	594317	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	DFB	Ave	10972 1513803	76228	144292	369477	733355	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	DFB	Ave	5839 776087	37338	74249	185122	375952	1.00 100	5.00	10.0	25.0	50.0
Isopropyl alcohol	DFB	Ave	8582 1126465	55877	113023	299537	518264	20.0 2000	100	200	500	1000
Allyl chloride	DFB	Ave	11565 1372749	66804	125464	332071	662937	1.00 100	5.00	10.0	25.0	50.0
2-Methyl-2-propanol	DFB	Ave	18490 2174181	104551	208521	530986	1061948	20.0 2000	100	200	500	1000
Hexane	DFB	Ave	8392 1165460	56628	103664	272895	579718	1.00 100	5.00	10.0	25.0	50.0
Isopropyl ether	DFB	Ave	24036 3033663	138315	276527	725232	1443237	1.00 100	5.00	10.0	25.0	50.0
1,1-Dimethoxyethane	DFB	Ave	6083 844081	36308	74644	197755	407268	5.00 500	25.0	50.0	125	250
Chloroprene	DFB	Ave	8692 1352363	59960	118250	318651	648584	1.00 100	5.00	10.0	25.0	50.0
Tert-butyl ethyl ether	DFB	Ave	22806 2785537	126676	262991	665939	1377973	1.00 100	5.00	10.0	25.0	50.0
Ethyl acetate	DFB	Ave	7099 974280	44624	91032	241598	459456	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	11623 1453067	70143	147486	371011	735346	10.0 1000	50.0	100	250	500
Methacrylonitrile	DFB	Ave	4816 606689	27398	56049	144950	289901	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	DFB	Ave	17553 2269525	105327	220760	563664	1140784	40.0 4000	200	400	1000	2000
Tert-amyl methyl ether	DFB	Ave	17601 2253424	98790	204660	522790	1084473	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 84069

SDG No.:

Instrument ID: HP5973C GC Column: ZB-624 (30) ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/05/2012 19:40 Calibration End Date: 10/05/2012 21:46 Calibration ID: 10750

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
n-Heptane	DFB	Ave	8817 947174	43114	87813	229924	469830	1.00 100	5.00	10.0	25.0	50.0
n-Butanol	DFB	Ave	10698 1534184	62922	137720	358108	772632	40.0 4000	200	400	1000	2000
Methyl methacrylate	DFB	Ave	7484 832370	36483	78474	192764	411877	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	1860 273283	12609	26680	71051	139798	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	Ave	12091 1524054	59123	128608	365413	723052	5.00 500	25.0	50.0	125	250
Epichlorohydrin	DFB	Ave	17607 2157130	98808	209716	549693	1066182	20.0 2000	100	200	500	1000
2-Methylthiophene	DCB	Ave	22902 2582454	115425	241531	620865	1219765	1.00 100	5.00	10.0	25.0	50.0
3-Methylthiophene	DCB	Ave	21900 2526632	119041	245779	603858	1249096	1.00 100	5.00	10.0	25.0	50.0
3-Chlorobenzotrifluoride	DCB	Ave	11106 1079202	55833	109638	277119	539758	1.00 100	5.00	10.0	25.0	50.0
p-Monochlorobenzotrifluoride	DCB	Ave	8870 1207368	63807	120188	306430	591687	1.00 100	5.00	10.0	25.0	50.0
2-Chlorobenzotrifluoride	DCB	Ave	8611 1105332	57120	110132	280560	543555	1.00 100	5.00	10.0	25.0	50.0
Cyclohexanone	DCB	Ave	22041 2495975	125793	262431	649687	1234454	10.0 1000	50.0	100	250	500
3-Chlorotoluene	DCB	Ave	7084 942041	43769	87955	231551	459751	1.00 100	5.00	10.0	25.0	50.0
Pentachloroethane	DCB	Ave	3216 432577	18751	38756	104293	205566	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	22557 3129301	134026	282633	765851	1507940	1.00 100	5.00	10.0	25.0	50.0
Dicyclopentadiene	DCB	Ave	6011 869129	40402	82485	216184	451100	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	10565 1235121	59416	118878	301381	630799	1.00 100	5.00	10.0	25.0	50.0
Propene oxide	DFB	Ave	9518 1176918	58023	114610	292004	596219	5.00 500	25.0	50.0	125	250

Curve Type Legend:
Ave = Average ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22830.D		
Lims ID:	IC 7	Client ID:	
Inject. Date:	05-Oct-2012 19:40:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 7		
Misc. Info.:	480-0015469-010		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	85
Lims Batch ID:	84069	Lims Sample ID:	10
Sublist:	chrom-C-8260*sub16		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:12:07	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:12:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	530122	25.0	
* 2 Chlorobenzene-d5	82	11.959	11.971	-0.012	91	286467	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	97	261594	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	32	9488	0.8321	
16 Dichlorofluoromethane	67	6.303	6.291	0.012	5	10972	0.7742	
18 Ethyl ether	59	6.658	6.659	-0.001	73	5839	0.8090	
19 Propene oxide	58	6.813	6.813	0.0	68	9518	4.21	
24 Isopropyl alcohol	45	7.157	7.157	0.0	56	8582	15.9	
28 3-Chloro-1-propene	41	7.370	7.382	-0.012	54	11565	0.8947	
31 2-Methyl-2-propanol	59	7.548	7.536	0.012	75	18490	17.9	
35 Hexane	57	7.904	7.904	0.0	67	8392	0.7860	
36 Isopropyl ether	45	8.058	8.058	0.0	86	24036	0.8628	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	81	6083	4.04	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	33	8692	0.7288	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	82	22806	0.8767	
42 Ethyl acetate	43	8.580	8.580	0.0	41	7099	0.7945	
46 Propionitrile	54	8.734	8.734	0.0	71	11623	8.27	
47 Methacrylonitrile	41	8.829	8.829	0.0	39	4816	0.8631	
53 Isobutyl alcohol	43	9.137	9.137	0.0	61	17553	32.8	
59 n-Heptane	43	9.374	9.327	0.047	80	8817	0.9770	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	83	17601	0.8612	
60 n-Butanol	56	9.647	9.647	0.0	74	10698	31.3	
63 Methyl methacrylate	41	9.979	9.979	0.0	49	7484	0.9602	
66 1,4-Dioxane	88	10.121	10.121	0.0	38	1860	28.8	
70 2-Nitropropane	43	10.418	10.430	-0.012	78	12091	4.69	
71 Epichlorohydrin	57	10.524	10.513	0.011	69	17607	17.2	
76 2-Methylthiophene	97	10.963	10.963	0.0	60	22902	0.99	
78 3-Methylthiophene	97	11.094	11.094	0.0	64	21900	0.9507	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	31	11106	1.06	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	21	8870	0.7986	

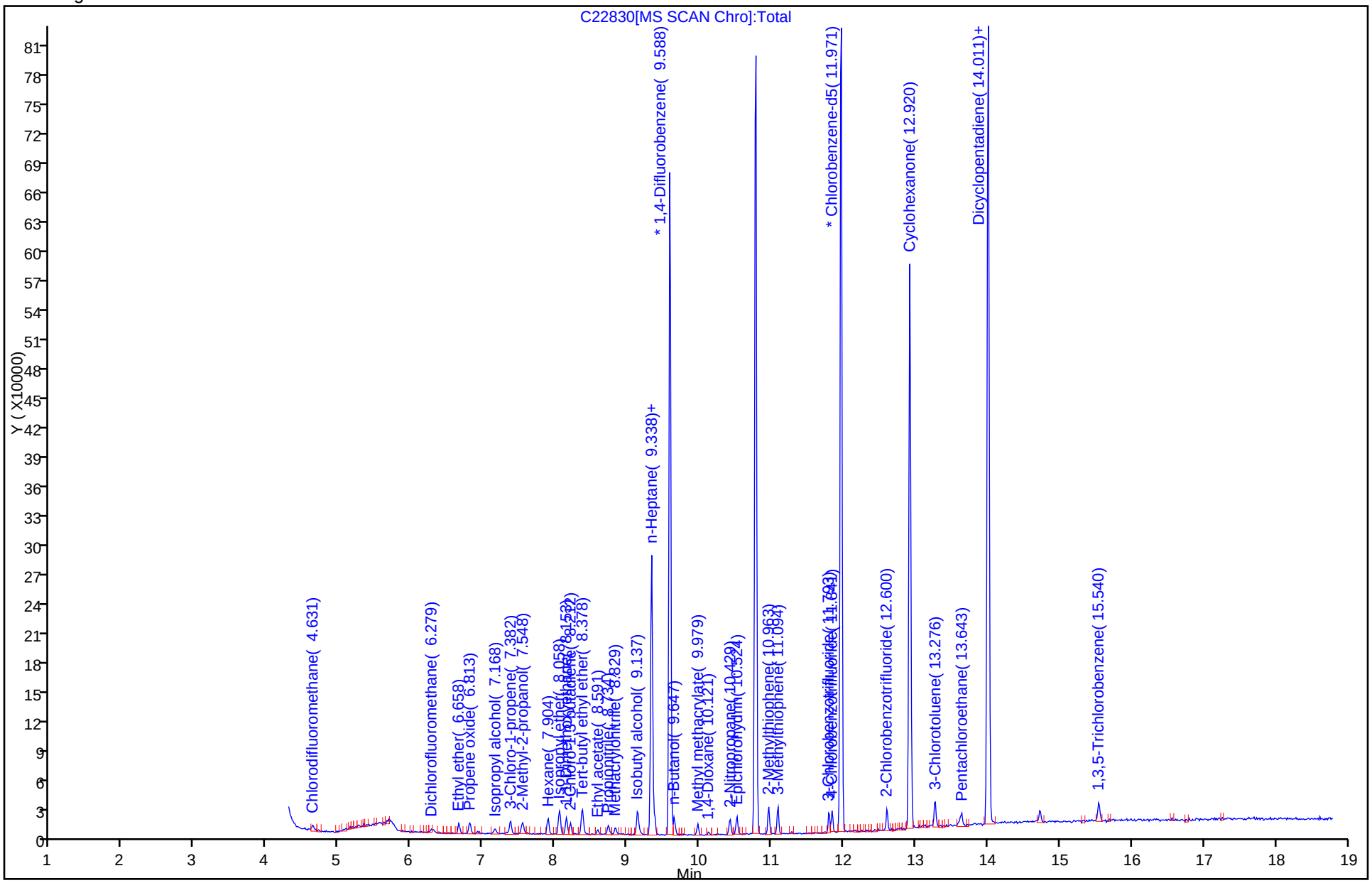
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.600	12.600	0.0	33	8611	0.8430	
96 Cyclohexanone	55	12.932	12.932	0.0	76	22041	9.29	
104 3-Chlorotoluene	126	13.276	13.276	0.0	65	7084	0.8480	
108 Pentachloroethane	167	13.631	13.643	-0.012	28	3216	0.8621	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	71	22557	0.8359	
114 Dicyclopentadiene	66	14.058	14.058	0.0	1	6011	1.45	
118 1,3,5-Trichlorobenzene	180	15.540	15.541	-0.001	34	10565	0.9300	

Report Date: 05-Oct-2012 23:12:07 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22830.D

Injection Date:	05-Oct-2012 19:40:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	10
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22831.D		
Lims ID:	IC 8	Client ID:	
Inject. Date:	05-Oct-2012 20:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC 8		
Misc. Info.:	480-0015469-011		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	86
Lims Batch ID:	84069	Lims Sample ID:	11
Sublist:	chrom-C-8260*sub16		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:13:12	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:13:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	530129	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	289105	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	97	265230	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	67	61178	5.37	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	68	76228	5.38	
18 Ethyl ether	59	6.658	6.659	-0.001	89	37338	5.17	
19 Propene oxide	58	6.813	6.813	0.0	93	58023	25.7	
24 Isopropyl alcohol	45	7.157	7.157	0.0	96	55877	103.8	
28 3-Chloro-1-propene	41	7.382	7.382	0.0	84	66804	5.17	
31 2-Methyl-2-propanol	59	7.548	7.536	0.012	95	104551	101.0	
35 Hexane	57	7.904	7.904	0.0	92	56628	5.30	
36 Isopropyl ether	45	8.058	8.058	0.0	94	138315	4.96	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	97	36308	24.1	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	82	59960	5.03	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	98	126676	4.87	
42 Ethyl acetate	43	8.580	8.580	0.0	95	44624	4.99	
46 Propionitrile	54	8.734	8.734	0.0	97	70143	49.9	
47 Methacrylonitrile	41	8.829	8.829	0.0	80	27398	4.91	
53 Isobutyl alcohol	43	9.137	9.137	0.0	91	105327	196.8	
59 n-Heptane	43	9.327	9.327	0.0	40	43114	4.78	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	92	98790	4.83	
60 n-Butanol	56	9.647	9.647	0.0	87	62922	184.3	
63 Methyl methacrylate	41	9.979	9.979	0.0	86	36483	4.68	
66 1,4-Dioxane	88	10.121	10.121	0.0	76	12609	193.6	
70 2-Nitropropane	43	10.418	10.430	-0.012	98	59123	22.6	
71 Epichlorohydrin	57	10.524	10.513	0.011	97	98808	96.4	
76 2-Methylthiophene	97	10.963	10.963	0.0	96	115425	4.92	
78 3-Methylthiophene	97	11.094	11.094	0.0	95	119041	5.10	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	83	55833	5.24	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	88	63807	5.67	

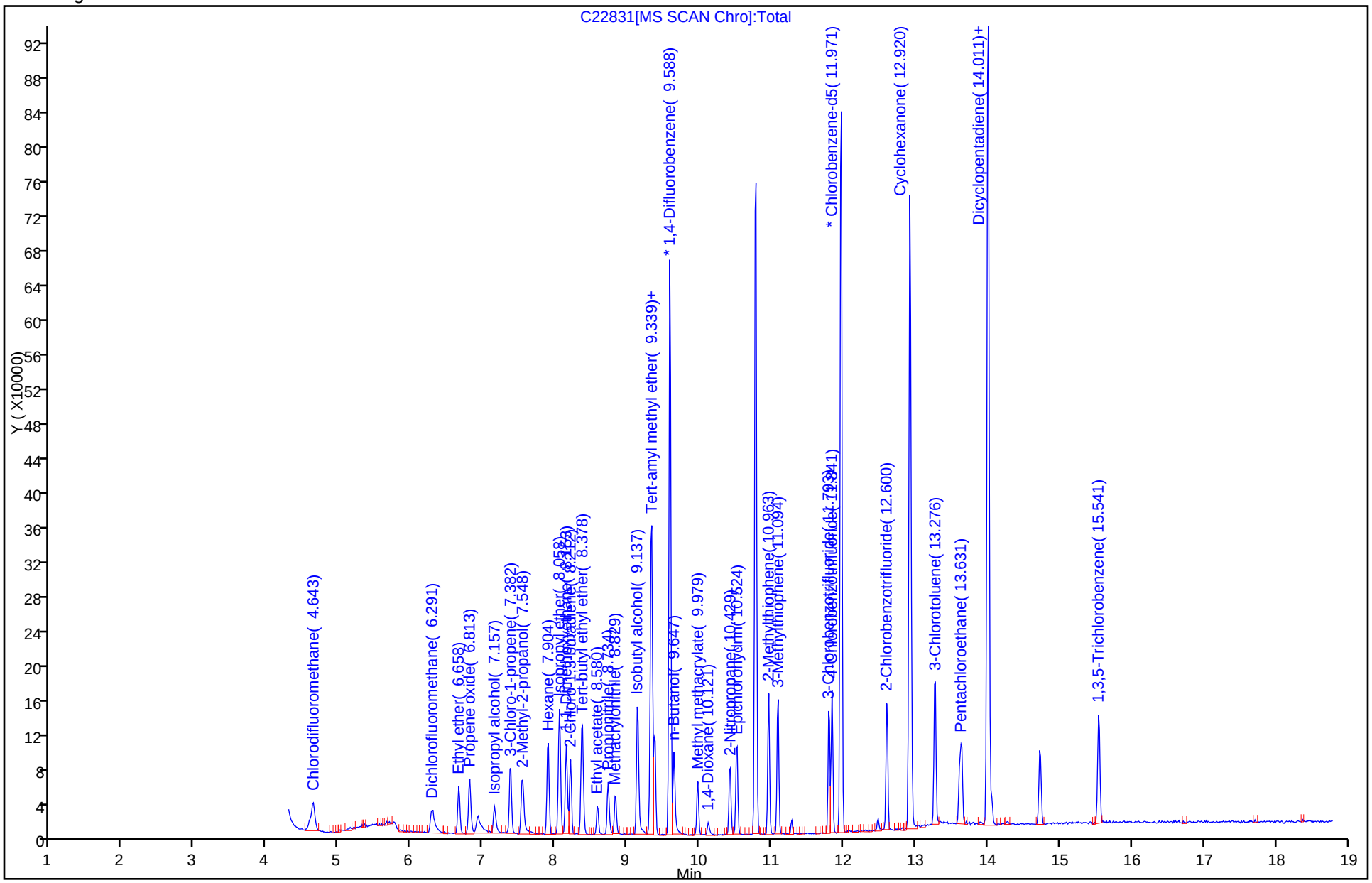
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.611	12.600	0.011	91	57120	5.52	
96 Cyclohexanone	55	12.932	12.932	0.0	90	125793	52.3	
104 3-Chlorotoluene	126	13.276	13.276	0.0	95	43769	5.17	
108 Pentachloroethane	167	13.643	13.643	0.0	77	18751	4.96	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	93	134026	4.90	
114 Dicyclopentadiene	66	14.058	14.058	0.0	26	40402	7.60	
118 1,3,5-Trichlorobenzene	180	15.541	15.541	-0.001	92	59416	5.16	

Report Date: 05-Oct-2012 23:13:12 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22831.D

Injection Date:	05-Oct-2012 20:05:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	11
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22832.D
Lims ID: IC 9 Client ID:
Inject. Date: 05-Oct-2012 20:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC 9
Misc. Info.: 480-0015469-012
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 87
Lims Batch ID: 84069 Lims Sample ID: 12
Sublist: chrom-C-8260*sub16
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m
Last Update: 05-Oct-2012 23:13:48 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK022

First Level Reviewer: HillL Date: 05-Oct-2012 23:13:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.587	0.001	96	528462	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	293068	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	97	284901	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	69	110702	9.74	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	72	144292	10.2	
18 Ethyl ether	59	6.659	6.659	0.0	97	74249	10.3	
19 Propene oxide	58	6.813	6.813	0.0	93	114610	50.9	
24 Isopropyl alcohol	45	7.157	7.157	0.0	96	113023	210.7	
28 3-Chloro-1-propene	41	7.370	7.382	-0.012	87	125464	9.74	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	97	208521	202.1	
35 Hexane	57	7.904	7.904	0.0	93	103664	9.74	
36 Isopropyl ether	45	8.058	8.058	0.0	95	276527	9.96	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	97	74644	49.7	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	90	118250	9.95	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	98	262991	10.1	
42 Ethyl acetate	43	8.580	8.580	0.0	98	91032	10.2	
46 Propionitrile	54	8.734	8.734	0.0	98	147486	105.3	
47 Methacrylonitrile	41	8.829	8.829	0.0	94	56049	10.1	
53 Isobutyl alcohol	43	9.137	9.137	0.0	91	220760	413.8	
59 n-Heptane	43	9.327	9.327	0.0	41	87813	9.76	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	94	204660	10.0	
60 n-Butanol	56	9.647	9.647	0.0	78	137720	404.7	
63 Methyl methacrylate	41	9.979	9.979	0.0	92	78474	10.1	
66 1,4-Dioxane	88	10.121	10.121	0.0	91	26680	404.0	
70 2-Nitropropane	43	10.418	10.430	-0.012	98	128608	45.8	
71 Epichlorohydrin	57	10.513	10.513	0.0	99	209716	205.3	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	241531	9.59	
78 3-Methylthiophene	97	11.094	11.094	0.0	99	245779	9.80	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	92	109638	9.58	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	92	120188	9.94	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.600	12.600	0.0	93	110132	9.90	
96 Cyclohexanone	55	12.932	12.932	0.0	94	262431	101.6	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	87955	9.67	
108 Pentachloroethane	167	13.643	13.643	0.0	88	38756	9.54	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	96	282633	9.62	
114 Dicyclopentadiene	66	14.058	14.058	0.0	41	82485	14.5	
118 1,3,5-Trichlorobenzene	180	15.541	15.541	0.0	96	118878	9.61	

Report Date: 05-Oct-2012 23:13:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22832.D

Injection Date: 05-Oct-2012 20:30:30 Limit Group: MV - 8260B ICAL

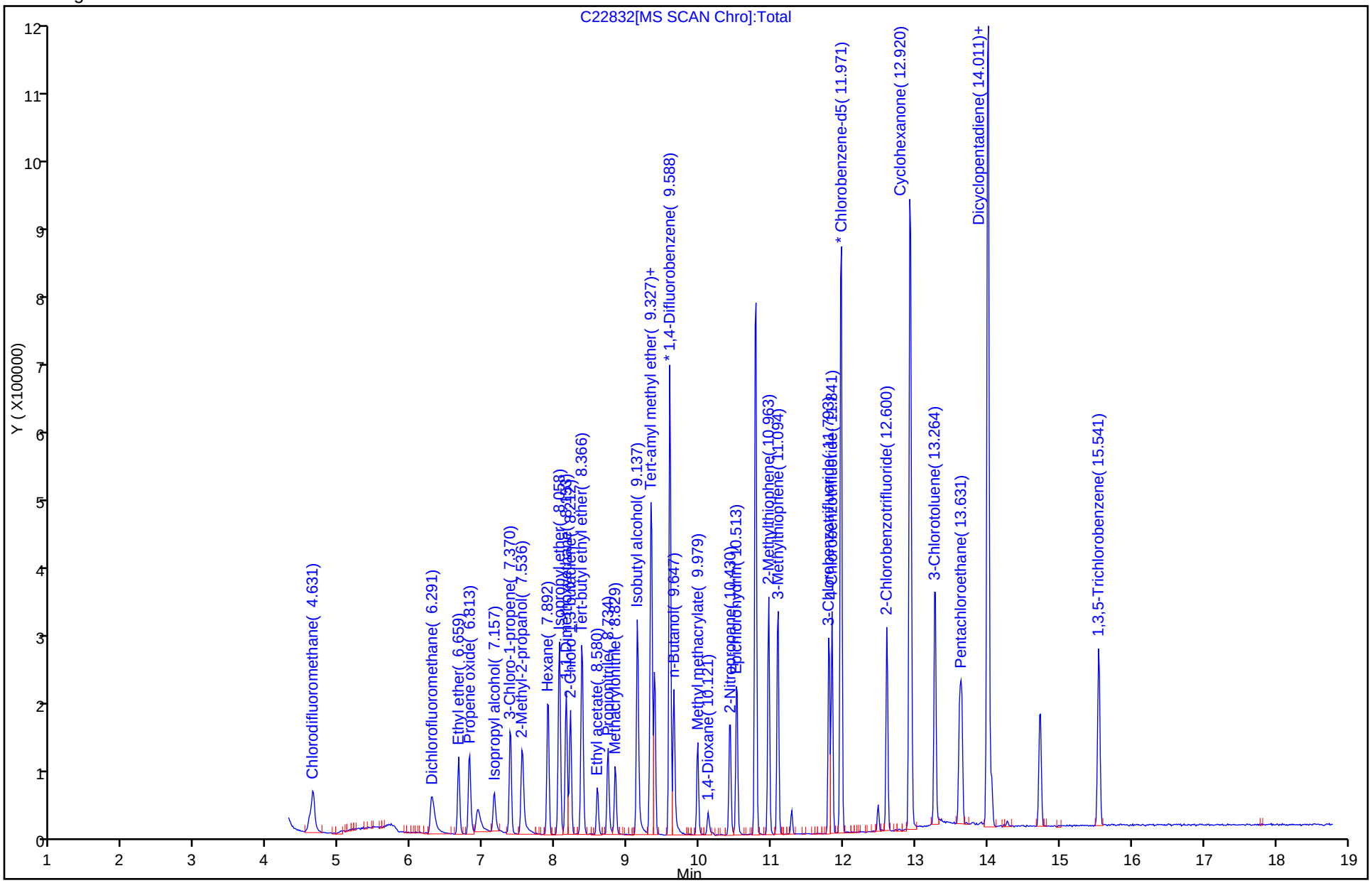
Client ID: Instrument ID: HP5973C

Lims Batch ID: 84069 Lims Sample ID: 12

Operator ID: LH

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22833.D		
Lims ID:	IC 10	Client ID:	
Inject. Date:	05-Oct-2012 20:56:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 10		
Misc. Info.:	480-0015469-013		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	88
Lims Batch ID:	84069	Lims Sample ID:	13
Sublist:	chrom-C-8260*sub16		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:14:30	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:14:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	512135	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	88	284445	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	89	279918	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	78	295450	26.8	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	81	369477	27.0	
18 Ethyl ether	59	6.659	6.659	0.0	97	185122	26.5	
19 Propene oxide	58	6.813	6.813	0.0	95	292004	133.8	
24 Isopropyl alcohol	45	7.157	7.157	0.0	97	299537	576.1	
28 3-Chloro-1-propene	41	7.382	7.382	0.0	89	332071	26.6	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	98	530986	531.1	
35 Hexane	57	7.904	7.904	0.0	93	272895	26.5	
36 Isopropyl ether	45	8.058	8.058	0.0	95	725232	26.9	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	98	197755	135.9	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	90	318651	27.7	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	99	665939	26.5	
42 Ethyl acetate	43	8.580	8.580	0.0	98	241598	28.0	
46 Propionitrile	54	8.734	8.734	0.0	99	371011	273.4	
47 Methacrylonitrile	41	8.829	8.829	0.0	94	144950	26.9	
53 Isobutyl alcohol	43	9.137	9.137	0.0	94	563664	1090.3	
59 n-Heptane	43	9.327	9.327	0.0	44	229924	26.4	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	94	522790	26.5	
60 n-Butanol	56	9.647	9.647	0.0	86	358108	1086.0	
63 Methyl methacrylate	41	9.979	9.979	0.0	92	192764	25.6	
66 1,4-Dioxane	88	10.121	10.121	0.0	95	71051	1108.5	
70 2-Nitropropane	43	10.430	10.430	0.0	98	365413	132.3	
71 Epichlorohydrin	57	10.513	10.513	0.0	100	549693	555.3	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	620865	25.1	
78 3-Methylthiophene	97	11.094	11.094	0.0	100	603858	24.5	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	93	277119	24.7	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	95	306430	25.8	

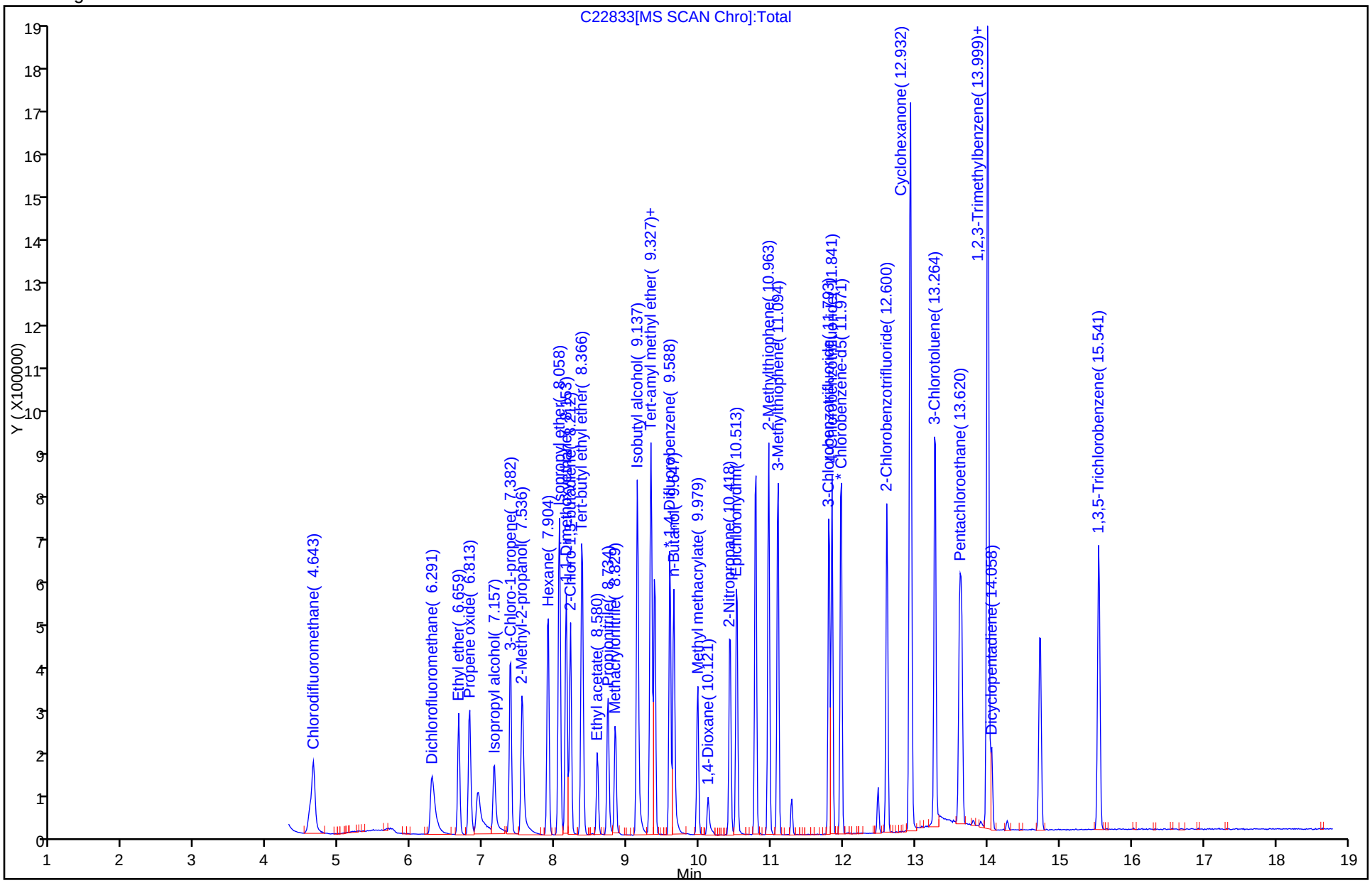
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.600	12.600	0.0	96	280560	25.7	
96 Cyclohexanone	55	12.932	12.932	0.0	95	649687	255.9	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	231551	25.9	
108 Pentachloroethane	167	13.643	13.643	0.0	86	104293	26.1	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	765851	26.5	
114 Dicyclopentadiene	66	14.058	14.058	0.0	86	216184	31.3	
118 1,3,5-Trichlorobenzene	180	15.541	15.541	0.0	96	301381	24.8	

Report Date: 05-Oct-2012 23:14:30 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22833.D

Injection Date:	05-Oct-2012 20:56:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	13
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22834.D		
Lims ID:	IC 11	Client ID:	
Inject. Date:	05-Oct-2012 21:21:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 11		
Misc. Info.:	480-0015469-014		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	89
Lims Batch ID:	84069	Lims Sample ID:	14
Sublist:	chrom-C-8260*sub16		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:15:19	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:15:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	552712	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	88	282288	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	88	278311	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	79	594317	50.0	
16 Dichlorofluoromethane	67	6.279	6.291	-0.012	82	733355	49.6	
18 Ethyl ether	59	6.658	6.659	-0.001	96	375952	50.0	
19 Propene oxide	58	6.801	6.813	-0.012	96	596219	253.1	
24 Isopropyl alcohol	45	7.145	7.157	-0.012	98	518264	923.7	
28 3-Chloro-1-propene	41	7.370	7.382	-0.012	89	662937	49.2	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	98	1061948	984.3	
35 Hexane	57	7.892	7.904	-0.012	94	579718	52.1	
36 Isopropyl ether	45	8.058	8.058	0.0	96	1443237	49.7	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	98	407268	259.4	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	88	648584	52.2	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	99	1377973	50.8	
42 Ethyl acetate	43	8.580	8.580	0.0	99	459456	49.3	
46 Propionitrile	54	8.722	8.734	-0.012	99	735346	502.1	
47 Methacrylonitrile	41	8.829	8.829	0.0	94	289901	49.8	
53 Isobutyl alcohol	43	9.137	9.137	0.0	94	1140784	2044.7	
59 n-Heptane	43	9.327	9.327	0.0	59	469830	49.9	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	94	1084473	50.9	
60 n-Butanol	56	9.647	9.647	0.0	88	772632	2171.1	
63 Methyl methacrylate	41	9.979	9.979	0.0	93	411877	50.7	
66 1,4-Dioxane	88	10.121	10.121	0.0	96	139798	2197.8	
70 2-Nitropropane	43	10.418	10.430	-0.012	98	723052	263.4	
71 Epichlorohydrin	57	10.513	10.513	-0.001	99	1066182	998.0	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	1219765	49.6	
78 3-Methylthiophene	97	11.094	11.094	0.0	100	1249096	51.0	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	94	539758	48.3	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	95	591687	50.1	

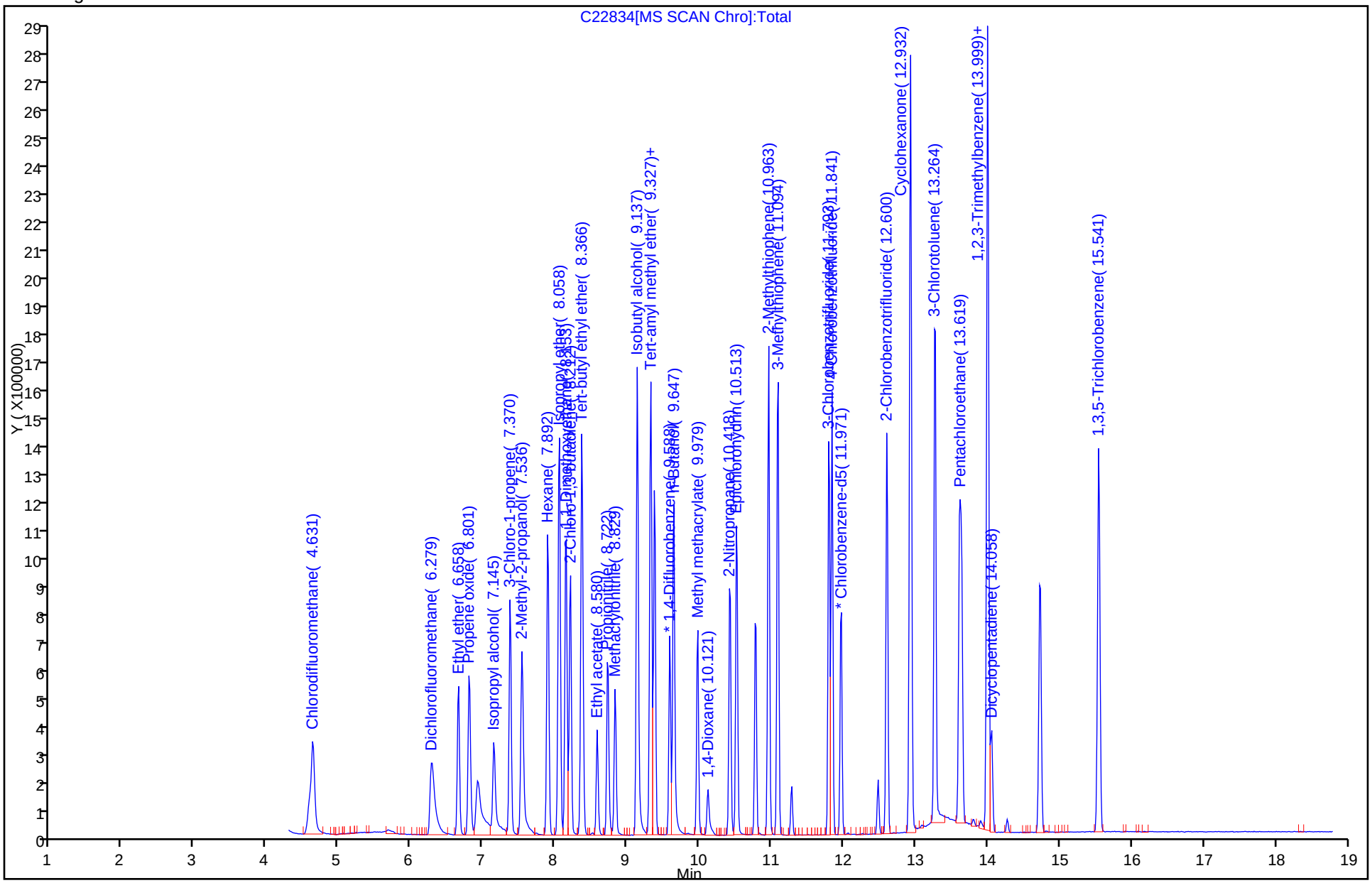
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.600	12.600	0.0	96	543555	50.0	
96 Cyclohexanone	55	12.932	12.932	0.0	95	1234454	489.0	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	459751	51.7	
108 Pentachloroethane	167	13.643	13.643	0.0	88	205566	51.8	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	1507940	52.5	
114 Dicyclopentadiene	66	14.058	14.058	0.0	96	451100	65.7	
118 1,3,5-Trichlorobenzene	180	15.541	15.541	0.0	96	630799	52.2	

Report Date: 05-Oct-2012 23:15:19 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22834.D

Injection Date:	05-Oct-2012 21:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	14
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Lims ID:	IC 12	Client ID:	
Inject. Date:	05-Oct-2012 21:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 12		
Misc. Info.:	480-0015469-015		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	90
Lims Batch ID:	84069	Lims Sample ID:	15
Sublist:	chrom-C-8260*sub16		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	05-Oct-2012 23:15:54	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK022		
First Level Reviewer: HillL		Date:	05-Oct-2012 23:15:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	535997	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	88	277024	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	76	272973	25.0	
11 Chlorodifluoromethane	51	4.643	4.643	0.0	80	1208432	104.8	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	83	1513803	105.6	
18 Ethyl ether	59	6.659	6.659	0.0	97	776087	106.3	
19 Propene oxide	58	6.813	6.813	0.0	96	1176918	515.2	
24 Isopropyl alcohol	45	7.157	7.157	0.0	99	1126465	2070.2	
28 3-Chloro-1-propene	41	7.370	7.382	-0.012	89	1372749	105.0	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	99	2174181	2078.0	
35 Hexane	57	7.904	7.904	0.0	93	1165460	108.0	
36 Isopropyl ether	45	8.058	8.058	0.0	96	3033663	107.7	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	98	844081	554.3	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	88	1352363	112.2	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	99	2785537	105.9	
42 Ethyl acetate	43	8.580	8.580	0.0	99	974280	107.8	
46 Propionitrile	54	8.734	8.734	0.0	99	1453067	1023.1	
47 Methacrylonitrile	41	8.829	8.829	0.0	95	606689	107.5	
53 Isobutyl alcohol	43	9.137	9.137	0.0	94	2269525	4194.6	
59 n-Heptane	43	9.327	9.327	0.0	49	947174	103.8	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	95	2253424	109.1	
60 n-Butanol	56	9.647	9.647	0.0	88	1534184	4445.4	
63 Methyl methacrylate	41	9.979	9.979	0.0	95	832370	105.6	
66 1,4-Dioxane	88	10.121	10.121	0.0	98	273283	4377.9	
70 2-Nitropropane	43	10.430	10.430	0.0	98	1524054	566.0	
71 Epichlorohydrin	57	10.513	10.513	0.0	99	2157130	2082.2	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	2582454	107.0	
78 3-Methylthiophene	97	11.094	11.094	0.0	100	2526632	105.1	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	90	1079202	98.4	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	96	1207368	104.2	

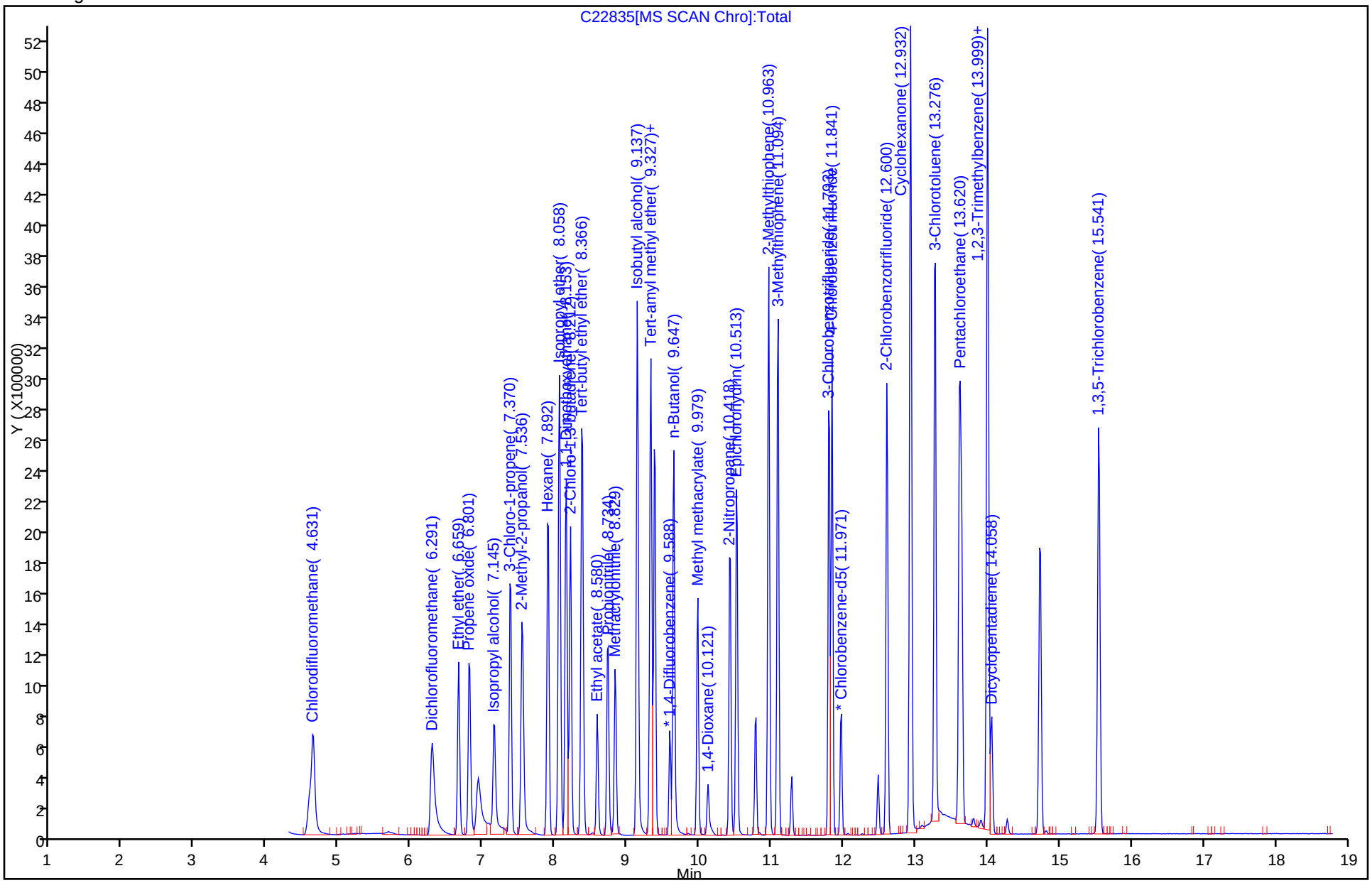
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
93 2-Chlorobenzotrifluoride	180	12.600	12.600	0.0	96	1105332	103.7	
96 Cyclohexanone	55	12.932	12.932	0.0	95	2495975	1008.1	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	942041	108.1	
108 Pentachloroethane	167	13.643	13.643	0.0	90	432577	111.1	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	98	3129301	111.1	
114 Dicyclopentadiene	66	14.058	14.058	0.0	80	869129	107.6	
118 1,3,5-Trichlorobenzene	180	15.541	15.541	0.0	93	1235121	104.2	

Report Date: 05-Oct-2012 23:15:54 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D

Injection Date:	05-Oct-2012 21:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	15
Operator ID:	LH		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-85412/2 Calibration Date: 10/14/2012 10:34

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23049.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	Lin		0.1915		17.4	25.0	-30.3	50.0
Chloromethane	Ave	0.5406	0.4526	0.1000	20.9	25.0	-16.3	50.0
Vinyl chloride	Ave	0.4441	0.3916		22.0	25.0	-11.8	20.0
Bromomethane	Ave	0.3026	0.2592		21.4	25.0	-14.3	50.0
Chloroethane	Ave	0.2901	0.2560		22.1	25.0	-11.8	50.0
Trichlorofluoromethane	Lin		0.4010		21.3	25.0	-14.7	50.0
Acrolein	Ave	0.0340	0.0304		446	500	-10.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.1884		18.4	25.0	-26.6	50.0
1,1-Dichloroethene	Ave	0.2834	0.2515	0.1000	22.2	25.0	-11.2	20.0
Acetone	Ave	0.1332	0.1272		119	125	-4.5	50.0
Iodomethane	Ave	0.4098	0.3717		22.7	25.0	-9.3	50.0
Carbon disulfide	Ave	0.9363	0.7514		20.1	25.0	-19.7	50.0
Methyl acetate	Ave	0.4177	0.4051		24.2	25.0	-3.0	50.0
Acetonitrile	Ave	0.0315	0.0302		959	1000	-4.1	50.0
Methylene Chloride	Ave	0.3757	0.3498		23.3	25.0	-6.9	50.0
Methyl tert-butyl ether	Ave	0.9893	0.9666		24.4	25.0	-2.3	50.0
trans-1,2-Dichloroethene	Ave	0.3561	0.3359		23.6	25.0	-5.7	50.0
Acrylonitrile	Ave	0.1666	0.1629		122	125	-2.2	50.0
Vinyl acetate	Ave	0.8445	0.8330		123	125	-1.4	50.0
1,1-Dichloroethane	Ave	0.7135	0.6801		23.8	25.0	-4.7	50.0
2-Butanone (MEK)	Ave	0.2107	0.2105		125	125	-0.1	50.0
2,2-Dichloropropane	Ave	0.4020	0.3893		24.2	25.0	-3.2	50.0
cis-1,2-Dichloroethene	Ave	0.3832	0.3807		24.8	25.0	-0.7	50.0
Bromochloromethane	Ave	0.1928	0.1992		25.8	25.0	3.3	50.0
Tetrahydrofuran	Ave	0.1398	0.1420		127	125	1.6	50.0
Chloroform	Ave	0.6207	0.6168		24.8	25.0	-0.6	20.0
1,1,1-Trichloroethane	Ave	0.4825	0.4719		24.4	25.0	-2.2	50.0
Cyclohexane	Lin		0.4497		19.6	25.0	-21.6	50.0
1,1-Dichloropropene	Ave	0.4438	0.4447		25.1	25.0	0.2	50.0
Carbon tetrachloride	Ave	0.4265	0.4109		24.1	25.0	-3.6	50.0
Benzene	Ave	1.360	1.366		25.1	25.0	0.5	50.0
1,2-Dichloroethane	Ave	0.5647	0.5399		23.9	25.0	-4.4	50.0
Trichloroethene	Ave	0.3509	0.3448		24.6	25.0	-1.7	50.0
Methylcyclohexane	Ave	0.4512	0.3960		21.9	25.0	-12.2	50.0
1,2-Dichloropropane	Ave	0.4029	0.3959		24.6	25.0	-1.7	20.0
Dibromomethane	Ave	0.2382	0.2324		24.4	25.0	-2.4	50.0
Bromodichloromethane	Ave	0.4655	0.4549		24.4	25.0	-2.3	50.0
2-Chloroethyl vinyl ether	Ave	0.2661	0.2750		129	125	3.3	50.0
trans-1,3-Dichloropropene	Ave	1.015	1.063		26.2	25.0	4.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8384	0.8467		126	125	1.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-85412/2 Calibration Date: 10/14/2012 10:34

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23049.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	1.563	1.631		26.1	25.0	4.4	20.0
Ethyl methacrylate	Ave	0.7798	0.8167		26.2	25.0	4.7	50.0
cis-1,3-Dichloropropene	Ave	0.5374	0.5329		24.8	25.0	-0.8	50.0
1,1,2-Trichloroethane	Ave	0.5019	0.5036		25.1	25.0	0.3	50.0
2-Hexanone	Ave	0.5907	0.5995		127	125	1.5	50.0
Tetrachloroethene	Ave	0.6817	0.6943		25.5	25.0	1.8	50.0
1,3-Dichloropropane	Ave	1.054	1.037		24.6	25.0	-1.6	50.0
Dibromochloromethane	Ave	0.6886	0.6915		25.1	25.0	0.4	50.0
1,2-Dibromoethane	Ave	0.5929	0.6075		25.6	25.0	2.5	50.0
Chlorobenzene	Ave	1.820	1.831	0.3000	25.2	25.0	0.6	50.0
Ethylbenzene	Ave	3.012	3.030		25.1	25.0	0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6506	0.6466		24.8	25.0	-0.6	50.0
m&p-Xylene	Ave	1.140	1.172		51.4	50.0	2.8	50.0
o-Xylene	Ave	1.085	1.141		26.3	25.0	5.2	50.0
Styrene	Ave	1.756	1.855		26.4	25.0	5.6	50.0
Isopropylbenzene	Ave	2.904	2.967		25.5	25.0	2.2	50.0
Bromoform	Ave	0.4287	0.4360	0.1000	25.4	25.0	1.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8981	0.8877	0.3000	24.7	25.0	-1.2	50.0
trans-1,4-Dichloro-2-butene	Lin		0.2765		143	125	14.2	50.0
N-Propylbenzene	Ave	3.676	3.840		26.1	25.0	4.4	50.0
1,2,3-Trichloropropane	Ave	0.2606	0.2690		25.8	25.0	3.2	50.0
Bromobenzene	Ave	0.8014	0.8069		25.2	25.0	0.7	50.0
1,3,5-Trimethylbenzene	Ave	2.460	2.532		25.7	25.0	2.9	50.0
2-Chlorotoluene	Ave	0.7466	0.7660		25.7	25.0	2.6	50.0
4-Chlorotoluene	Ave	0.7809	0.8004		25.6	25.0	2.5	50.0
tert-Butylbenzene	Ave	0.5124	0.5271		25.7	25.0	2.9	50.0
1,2,4-Trimethylbenzene	Ave	2.497	2.576		25.8	25.0	3.2	50.0
sec-Butylbenzene	Ave	3.007	3.053		25.4	25.0	1.5	50.0
4-Isopropyltoluene	Ave	2.543	2.583		25.4	25.0	1.6	50.0
1,3-Dichlorobenzene	Ave	1.575	1.560		24.8	25.0	-1.0	50.0
1,4-Dichlorobenzene	Ave	1.622	1.593		24.5	25.0	-1.8	50.0
n-Butylbenzene	Ave	2.337	2.401		25.7	25.0	2.7	50.0
1,2-Dichlorobenzene	Ave	1.516	1.508		24.9	25.0	-0.5	50.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1563		22.8	25.0	-8.7	50.0
1,2,4-Trichlorobenzene	Ave	1.007	0.9823		24.4	25.0	-2.4	50.0
Hexachlorobutadiene	Ave	0.3793	0.3778		24.9	25.0	-0.4	50.0
Naphthalene	Ave	2.566	2.710		26.4	25.0	5.6	50.0
1,2,3-Trichlorobenzene	Ave	0.9597	0.9436		24.6	25.0	-1.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2034	0.1781		21.9	25.0	-12.4	50.0
Toluene-d8 (Surr)	Ave	2.078	2.021		24.3	25.0	-2.8	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.6383		24.5	25.0	-1.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23049.D		
Lims ID:	CCVIS	Client ID:	
Inject. Date:	14-Oct-2012 10:34:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	CCVIS		
Misc. Info.:	480-0015710-002		
Operator:	JMB	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85412	Lims Sample ID:	2
Sublist:	chrom-C-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m		
Last Update:	14-Oct-2012 10:52:39	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	XAWRK001		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	653541	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	350431	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	86	329857	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	116377	21.9	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	93	708124	24.3	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	223665	24.5	
10 Dichlorodifluoromethane	85	4.595	4.595	0.0	89	125150	17.4	
12 Chloromethane	50	5.034	5.034	0.0	89	295786	20.9	
13 Vinyl chloride	62	5.259	5.259	0.0	98	255926	22.0	
14 Bromomethane	94	5.876	5.876	0.0	90	169420	21.4	
15 Chloroethane	64	6.006	6.006	0.0	93	167294	22.1	
17 Trichlorofluoromethane	101	6.338	6.338	0.0	83	262037	21.3	
20 Acrolein	56	6.908	6.908	0.0	99	396842	446.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.931	0.0	61	123149	18.4	
22 1,1-Dichloroethene	96	7.003	7.003	0.0	83	164379	22.2	
23 Acetone	43	7.062	7.062	0.0	100	415723	119.4	
25 Iodomethane	142	7.240	7.240	0.0	98	242904	22.7	
26 Carbon disulfide	76	7.323	7.323	0.0	100	491077	20.1	
27 Methyl acetate	43	7.346	7.346	0.0	98	264778	24.2	
29 Acetonitrile	40	7.406	7.406	0.0	99	789399	959.4	
30 Methylene Chloride	84	7.524	7.524	0.0	90	228587	23.3	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	631689	24.4	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	91	219543	23.6	
33 Acrylonitrile	53	7.773	7.773	0.0	97	532403	122.2	
37 Vinyl acetate	43	8.105	8.105	0.0	97	2721860	123.3	
39 1,1-Dichloroethane	63	8.165	8.165	0.0	95	444439	23.8	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	99	687961	124.9	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	86	254395	24.2	
45 cis-1,2-Dichloroethene	96	8.663	8.663	0.0	73	248805	24.8	
49 Tetrahydrofuran	42	8.888	8.888	0.0	92	463915	127.0	
48 Chlorobromomethane	128	8.888	8.888	0.0	89	130166	25.8	
50 Chloroform	83	8.900	8.900	0.0	81	403098	24.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	92	308395	24.4	
52 Cyclohexane	56	9.101	9.101	0.0	94	293917	19.6	
54 1,1-Dichloropropene	75	9.173	9.173	0.0	91	290636	25.1	
55 Carbon tetrachloride	117	9.196	9.196	0.0	81	268540	24.1	
57 Benzene	78	9.374	9.374	0.0	98	892884	25.1	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	90	352875	23.9	
62 Trichloroethene	95	9.849	9.849	0.0	94	225360	24.6	
64 Methylcyclohexane	83	9.991	9.991	0.0	96	258807	21.9	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	93	258713	24.6	
67 Dibromomethane	93	10.192	10.192	0.0	90	151879	24.4	
68 Dichlorobromomethane	83	10.264	10.264	0.0	88	297324	24.4	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	90	898553	129.2	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	94	372520	26.2	
73 4-Methyl-2-pentanone (MIBK)	43	10.608	10.608	0.0	98	1483528	126.2	
74 Toluene	92	10.833	10.833	0.0	98	571660	26.1	
75 Ethyl methacrylate	69	10.904	10.904	0.0	92	286178	26.2	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	88	348289	24.8	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	88	176486	25.1	
80 2-Hexanone	43	11.248	11.248	0.0	96	1050441	126.9	
81 Tetrachloroethene	166	11.283	11.283	0.0	91	243285	25.5	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	93	363436	24.6	
83 Chlorodibromomethane	129	11.532	11.532	0.0	88	242330	25.1	
84 Ethylene Dibromide	107	11.675	11.675	0.0	98	212872	25.6	
87 Chlorobenzene	112	11.995	11.995	0.0	86	641672	25.2	
88 Ethylbenzene	91	11.995	11.995	0.0	92	1061708	25.1	
89 1,1,1,2-Tetrachloroethane	131	12.031	12.031	0.0	75	226593	24.8	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	821091	51.4	
91 o-Xylene	106	12.434	12.434	0.0	92	399911	26.3	
92 Styrene	104	12.446	12.446	0.0	91	649910	26.4	
94 Isopropylbenzene	105	12.706	12.706	0.0	96	978521	25.5	
95 Bromoform	173	12.730	12.730	0.0	94	152800	25.4	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	82	292822	24.7	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.027	0.0	92	456003	142.8	
99 N-Propylbenzene	91	13.050	13.050	0.0	99	1266603	26.1	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	84	88746	25.8	
101 Bromobenzene	156	13.122	13.122	0.0	68	266173	25.2	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	93	835138	25.7	
103 2-Chlorotoluene	126	13.228	13.228	0.0	96	252670	25.7	
105 4-Chlorotoluene	126	13.323	13.323	0.0	98	264026	25.6	
106 tert-Butylbenzene	134	13.513	13.513	0.0	92	173869	25.7	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	71	849726	25.8	
109 sec-Butylbenzene	105	13.714	13.714	0.0	94	1006932	25.4	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	97	852125	25.4	
111 1,3-Dichlorobenzene	146	13.952	13.952	0.0	97	514591	24.8	
113 1,4-Dichlorobenzene	146	14.035	14.035	0.0	93	525421	24.5	
115 n-Butylbenzene	91	14.236	14.236	0.0	97	792102	25.7	
116 1,2-Dichlorobenzene	146	14.462	14.462	0.0	96	497344	24.9	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.375	0.0	69	51566	22.8	
119 1,2,4-Trichlorobenzene	180	16.430	16.430	0.0	94	324006	24.4	
120 Hexachlorobutadiene	225	16.537	16.537	0.0	93	124604	24.9	
121 Naphthalene	128	16.893	16.893	0.0	97	893840	26.4	
122 1,2,3-Trichlorobenzene	180	17.272	17.272	0.0	94	311254	24.6	

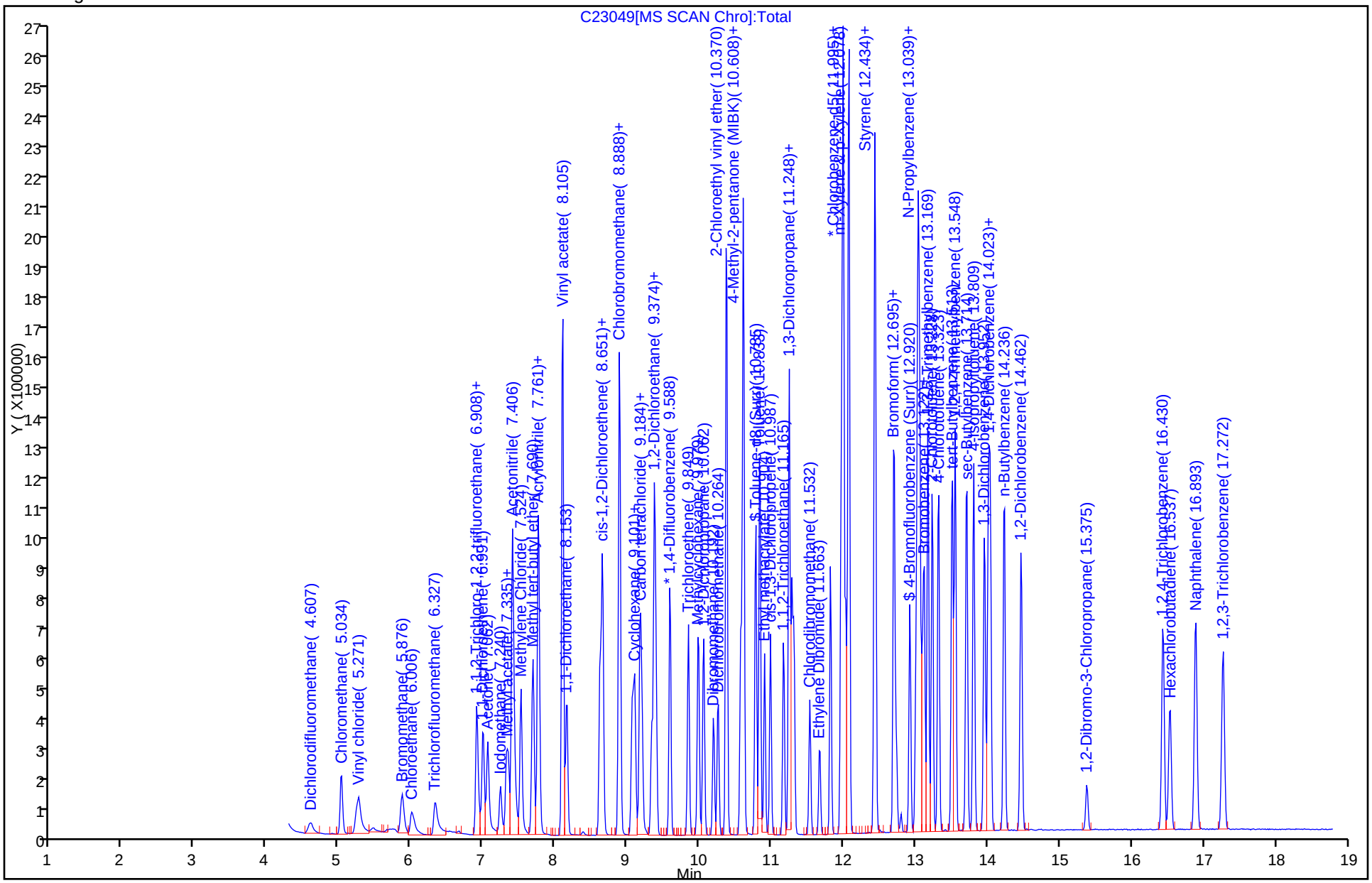
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
S 125 1,2-Dichloroethene, Total	1				0		48.4	
S 126 1,3-Dichloropropene, Total	1				0		51.0	
S 123 Total BTEX	1				0		154.1	
S 124 Xylenes, Total	1				0		77.7	

Report Date: 14-Oct-2012 10:52:39 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23049.D

Injection Date:	14-Oct-2012 10:34:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	2
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCV 480-85412/3 Calibration Date: 10/14/2012 10:59

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23050.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	0.2034	0.1730		21.3	25.0	-15.0	50.0
Toluene-d8 (Surr)	Ave	2.078	1.974		23.7	25.0	-5.0	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.6215		23.9	25.0	-4.5	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23050.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	14-Oct-2012 10:59:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0015710-003		
Operator:	JMB	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85412	Lims Sample ID:	3
Sublist:	chrom-C-8260*sub11		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m		
Last Update:	14-Oct-2012 11:49:35	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	XAWRK001		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.599	9.599	0.0	94	639851	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	334964	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	91	325882	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	110672	21.3	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	661373	23.7	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	79	208173	23.9	
11 Chlorodifluoromethane	51	4.642	4.642	0.0	78	241719	17.6	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	96	359712	21.0	
18 Ethyl ether	59	6.658	6.658	0.0	96	189026	21.7	
19 Propene oxide	58	6.813	6.813	0.0	95	321646	117.9	
24 Isopropyl alcohol	45	7.156	7.156	0.0	99	328067	505.1	
28 3-Chloro-1-propene	41	7.382	7.382	0.0	89	369613	23.7	
31 2-Methyl-2-propanol	59	7.548	7.548	0.0	98	558632	447.3	
35 Hexane	57	7.904	7.904	0.0	93	299468	23.2	
36 Isopropyl ether	45	8.058	8.058	0.0	96	752102	22.4	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	99	222177	122.2	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	90	306417	21.3	
41 Tert-butyl ethyl ether	59	8.378	8.378	0.0	99	775729	24.7	
42 Ethyl acetate	43	8.579	8.579	0.0	98	261394	24.2	
46 Propionitrile	54	8.734	8.734	0.0	99	392353	231.4	
47 Methacrylonitrile	41	8.840	8.840	0.0	94	152807	22.7	
53 Isobutyl alcohol	43	9.137	9.137	0.0	93	587987	910.3	
59 n-Heptane	43	9.327	9.327	0.0	43	253925	23.3	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	95	626187	25.4	
60 n-Butanol	56	9.647	9.647	0.0	80	379033	920.0	
63 Methyl methacrylate	41	9.979	9.979	0.0	94	201958	21.5	
66 1,4-Dioxane	88	10.121	10.121	0.0	95	89465	1185.3	
70 2-Nitropropane	43	10.429	10.429	0.0	98	356267	110.8	
71 Epichlorohydrin	57	10.524	10.524	0.0	99	631393	510.6	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	658858	22.9	
78 3-Methylthiophene	97	11.093	11.093	0.0	100	635505	22.1	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	93	342077	26.1	

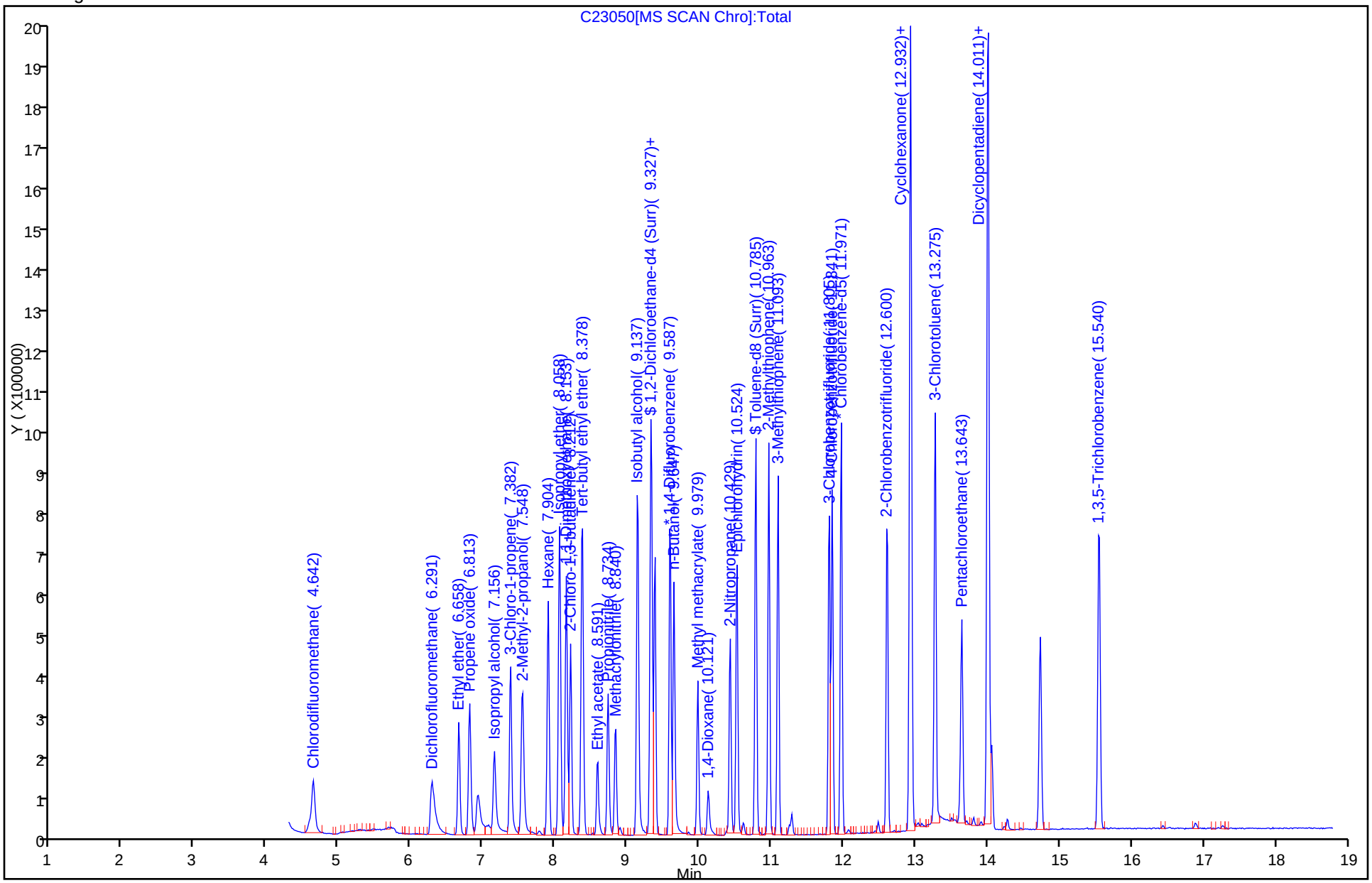
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	96	290614	21.0	
93 2-Chlorobenzotrifluoride	180	12.611	12.611	0.0	96	297424	23.4	
96 Cyclohexanone	55	12.932	12.932	0.0	94	762154	257.8	
104 3-Chlorotoluene	126	13.275	13.275	0.0	97	249186	23.9	
108 Pentachloroethane	167	13.643	13.643	0.0	92	106697	23.0	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	841391	25.0	
114 Dicyclopentadiene	66	14.058	14.058	0.0	83	228255	23.7	
118 1,3,5-Trichlorobenzene	180	15.552	15.552	0.0	97	351951	24.9	

Report Date: 14-Oct-2012 11:49:35 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23050.D

Injection Date:	14-Oct-2012 10:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	3
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCV 480-85412/3 Calibration Date: 10/14/2012 10:59

Instrument ID: HP5973C Calib Start Date: 10/05/2012 19:40

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 21:46

Lab File ID: C23050.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
Chlorodifluoromethane	Ave	0.5377	0.3778		17.6	25.0	-29.7	50.0
Dichlorofluoromethane	Ave	0.6683	0.5622		21.0	25.0	-15.9	50.0
Ethyl ether	Ave	0.3404	0.2954		21.7	25.0	-13.2	50.0
Isopropyl alcohol	Ave	0.0254	0.0256		505	500	1.0	50.0
Allyl chloride	Ave	0.6096	0.5777		23.7	25.0	-5.2	50.0
2-Methyl-2-propanol	Ave	0.0488	0.0437		447	500	-10.5	50.0
Hexane	Ave	0.5035	0.4680		23.2	25.0	-7.0	50.0
Isopropyl ether	Ave	1.314	1.175		22.4	25.0	-10.5	50.0
1,1-Dimethoxyethane	Ave	0.0710	0.0695		122	125	-2.2	50.0
Chloroprene	Ave	0.5624	0.4789		21.3	25.0	-14.9	50.0
Tert-butyl ethyl ether	Ave	1.227	1.212		24.7	25.0	-1.2	50.0
Ethyl acetate	Ave	0.4214	0.4085		24.2	25.0	-3.0	50.0
Propionitrile	Ave	0.0662	0.0613		231	250	-7.4	50.0
Methacrylonitrile	Ave	0.2632	0.2388		22.7	25.0	-9.2	50.0
Isobutyl alcohol	Ave	0.0252	0.0230		910	1000	-9.0	50.0
n-Heptane	Ave	0.4256	0.3969		23.3	25.0	-6.8	50.0
Tert-amyl methyl ether	Ave	0.9638	0.9787		25.4	25.0	1.5	50.0
n-Butanol	Ave	0.0161	0.0148		920	1000	-8.0	50.0
Methyl methacrylate	Ave	0.3676	0.3156		21.5	25.0	-14.1	50.0
1,4-Dioxane	Ave	0.0056	0.0067		1190	1000	18.5	50.0
2-Nitropropane	Ave	0.2466	0.2187		111	125	-11.3	50.0
Epichlorohydrin	Ave	0.0483	0.0493		511	500	2.1	50.0
2-Methylthiophene	Ave	2.210	2.022		22.9	25.0	-8.5	50.0
3-Methylthiophene	Ave	2.202	1.950		22.1	25.0	-11.4	50.0
3-Chlorobenzotrifluoride	Ave	1.004	1.050		26.1	25.0	4.6	50.0
p-Monochlorobenzotrifluoride	Ave	1.061	0.8918		21.0	25.0	-16.0	50.0
2-Chlorobenzotrifluoride	Ave	0.9762	0.9127		23.4	25.0	-6.5	50.0
Cyclohexanone	Ave	0.2268	0.2339		258	250	3.1	50.0
3-Chlorotoluene	Ave	0.7983	0.7647		23.9	25.0	-4.2	50.0
Pentachloroethane	Ave	0.3565	0.3274		23.0	25.0	-8.2	50.0
1,2,3-Trimethylbenzene	Ave	2.579	2.582		25.0	25.0	0.1	50.0
Dicyclopentadiene	Ave	0.7398	0.7004		23.7	25.0	-5.3	50.0
1,3,5-Trichlorobenzene	Ave	1.086	1.080		24.9	25.0	-0.5	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23050.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	14-Oct-2012 10:59:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	480-0015710-003		
Operator:	JMB	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85412	Lims Sample ID:	3
Sublist:	chrom-C-8260*sub11		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m		
Last Update:	14-Oct-2012 11:49:35	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	XAWRK001		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.599	9.599	0.0	94	639851	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	334964	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	91	325882	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	110672	21.3	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	661373	23.7	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	79	208173	23.9	
11 Chlorodifluoromethane	51	4.642	4.642	0.0	78	241719	17.6	
16 Dichlorofluoromethane	67	6.291	6.291	0.0	96	359712	21.0	
18 Ethyl ether	59	6.658	6.658	0.0	96	189026	21.7	
19 Propene oxide	58	6.813	6.813	0.0	95	321646	117.9	
24 Isopropyl alcohol	45	7.156	7.156	0.0	99	328067	505.1	
28 3-Chloro-1-propene	41	7.382	7.382	0.0	89	369613	23.7	
31 2-Methyl-2-propanol	59	7.548	7.548	0.0	98	558632	447.3	
35 Hexane	57	7.904	7.904	0.0	93	299468	23.2	
36 Isopropyl ether	45	8.058	8.058	0.0	96	752102	22.4	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	99	222177	122.2	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	90	306417	21.3	
41 Tert-butyl ethyl ether	59	8.378	8.378	0.0	99	775729	24.7	
42 Ethyl acetate	43	8.579	8.579	0.0	98	261394	24.2	
46 Propionitrile	54	8.734	8.734	0.0	99	392353	231.4	
47 Methacrylonitrile	41	8.840	8.840	0.0	94	152807	22.7	
53 Isobutyl alcohol	43	9.137	9.137	0.0	93	587987	910.3	
59 n-Heptane	43	9.327	9.327	0.0	43	253925	23.3	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	95	626187	25.4	
60 n-Butanol	56	9.647	9.647	0.0	80	379033	920.0	
63 Methyl methacrylate	41	9.979	9.979	0.0	94	201958	21.5	
66 1,4-Dioxane	88	10.121	10.121	0.0	95	89465	1185.3	
70 2-Nitropropane	43	10.429	10.429	0.0	98	356267	110.8	
71 Epichlorohydrin	57	10.524	10.524	0.0	99	631393	510.6	
76 2-Methylthiophene	97	10.963	10.963	0.0	98	658858	22.9	
78 3-Methylthiophene	97	11.093	11.093	0.0	100	635505	22.1	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	93	342077	26.1	

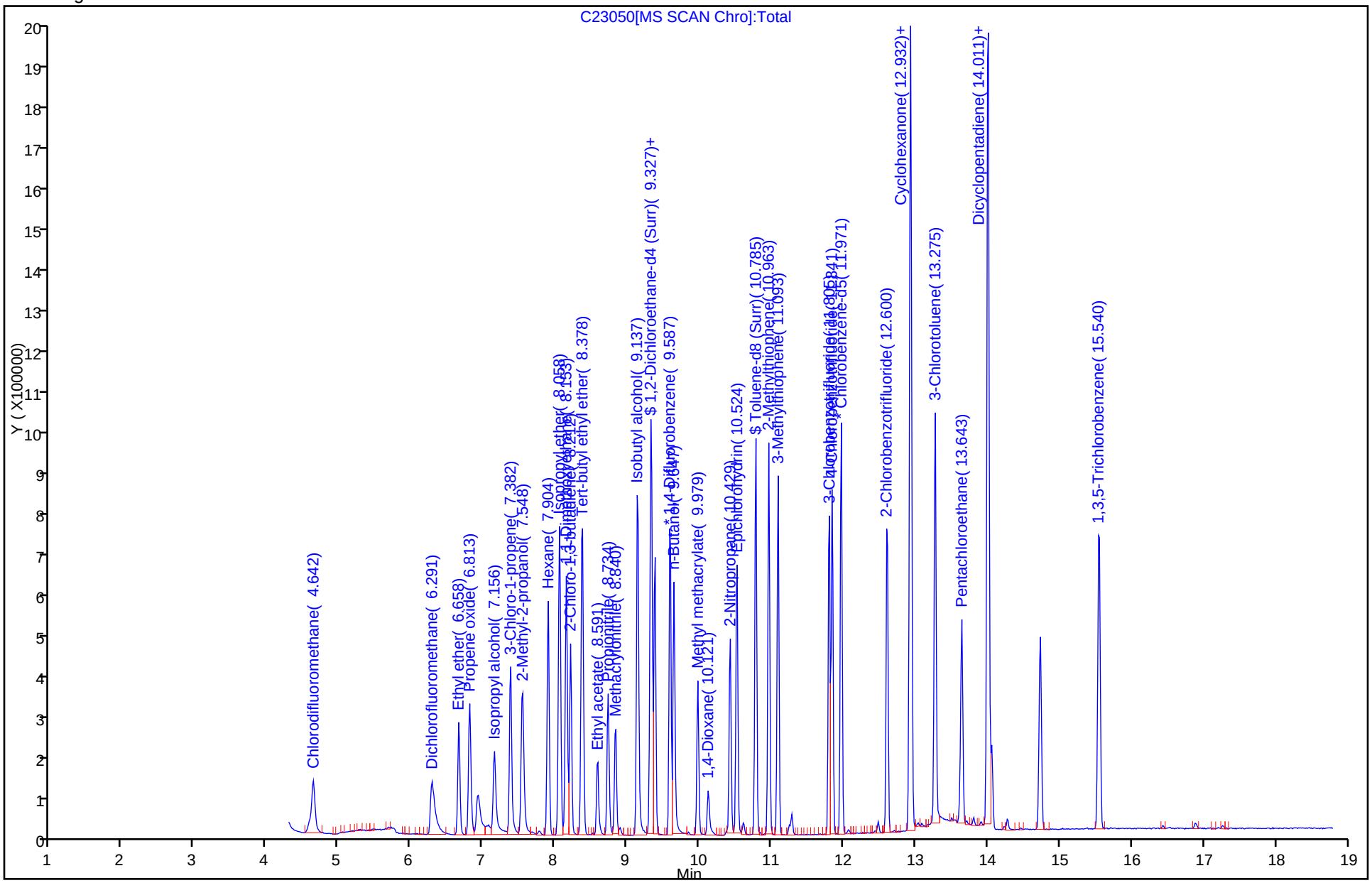
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	96	290614	21.0	
93 2-Chlorobenzotrifluoride	180	12.611	12.611	0.0	96	297424	23.4	
96 Cyclohexanone	55	12.932	12.932	0.0	94	762154	257.8	
104 3-Chlorotoluene	126	13.275	13.275	0.0	97	249186	23.9	
108 Pentachloroethane	167	13.643	13.643	0.0	92	106697	23.0	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	841391	25.0	
114 Dicyclopentadiene	66	14.058	14.058	0.0	83	228255	23.7	
118 1,3,5-Trichlorobenzene	180	15.552	15.552	0.0	97	351951	24.9	

Report Date: 14-Oct-2012 11:49:35 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23050.D

Injection Date:	14-Oct-2012 10:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	3
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-85475/2 Calibration Date: 10/15/2012 11:04

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23075.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	Lin		0.3371		29.3	25.0	17.0	50.0
Chloromethane	Ave	0.5406	0.5736	0.1000	26.5	25.0	6.1	50.0
Vinyl chloride	Ave	0.4441	0.4998		28.1	25.0	12.5	20.0
Bromomethane	Ave	0.3026	0.2950		24.4	25.0	-2.5	50.0
Chloroethane	Ave	0.2901	0.3035		26.2	25.0	4.6	50.0
Trichlorofluoromethane	Lin		0.4920		25.6	25.0	2.5	50.0
Acrolein	Ave	0.0340	0.0338		498	500	-0.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.2797		26.8	25.0	7.2	50.0
1,1-Dichloroethene	Ave	0.2834	0.2961	0.1000	26.1	25.0	4.5	20.0
Acetone	Ave	0.1332	0.1365		128	125	2.4	50.0
Iodomethane	Ave	0.4098	0.4548		27.7	25.0	11.0	50.0
Carbon disulfide	Ave	0.9363	1.071		28.6	25.0	14.3	50.0
Methyl acetate	Ave	0.4177	0.4457		26.7	25.0	6.7	50.0
Acetonitrile	Ave	0.0315	0.0332		1050	1000	5.4	50.0
Methylene Chloride	Ave	0.3757	0.3834		25.5	25.0	2.0	50.0
Methyl tert-butyl ether	Ave	0.9893	0.997		25.2	25.0	0.8	50.0
trans-1,2-Dichloroethene	Ave	0.3561	0.3714		26.1	25.0	4.3	50.0
Acrylonitrile	Ave	0.1666	0.1776		133	125	6.6	50.0
Vinyl acetate	Ave	0.8445	0.9178		136	125	8.7	50.0
1,1-Dichloroethane	Ave	0.7135	0.7441		26.1	25.0	4.3	50.0
2-Butanone (MEK)	Ave	0.2107	0.2239		133	125	6.2	50.0
2,2-Dichloropropane	Ave	0.4020	0.4259		26.5	25.0	5.9	50.0
cis-1,2-Dichloroethene	Ave	0.3832	0.4094		26.7	25.0	6.8	50.0
Bromochloromethane	Ave	0.1928	0.2117		27.4	25.0	9.8	50.0
Tetrahydrofuran	Ave	0.1398	0.1518		136	125	8.6	50.0
Chloroform	Ave	0.6207	0.6574		26.5	25.0	5.9	20.0
1,1,1-Trichloroethane	Ave	0.4825	0.5228		27.1	25.0	8.4	50.0
Cyclohexane	Lin		0.5715		24.4	25.0	-2.4	50.0
1,1-Dichloropropene	Ave	0.4438	0.5086		28.7	25.0	14.6	50.0
Carbon tetrachloride	Ave	0.4265	0.4789		28.1	25.0	12.3	50.0
Benzene	Ave	1.360	1.458		26.8	25.0	7.3	50.0
1,2-Dichloroethane	Ave	0.5647	0.5719		25.3	25.0	1.3	50.0
Trichloroethene	Ave	0.3509	0.3752		26.7	25.0	6.9	50.0
Methylcyclohexane	Ave	0.4512	0.5458		30.2	25.0	20.9	50.0
1,2-Dichloropropane	Ave	0.4029	0.4285		26.6	25.0	6.4	20.0
Dibromomethane	Ave	0.2382	0.2472		25.9	25.0	3.8	50.0
Bromodichloromethane	Ave	0.4655	0.4948		26.6	25.0	6.3	50.0
2-Chloroethyl vinyl ether	Ave	0.2661	0.2946		138	125	10.7	50.0
trans-1,3-Dichloropropene	Ave	1.015	1.084		26.7	25.0	6.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8384	0.8940		133	125	6.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-85475/2 Calibration Date: 10/15/2012 11:04

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23075.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	1.563	1.699		27.2	25.0	8.8	20.0
Ethyl methacrylate	Ave	0.7798	0.8367		26.8	25.0	7.3	50.0
cis-1,3-Dichloropropene	Ave	0.5374	0.5640		26.2	25.0	5.0	50.0
1,1,2-Trichloroethane	Ave	0.5019	0.5098		25.4	25.0	1.6	50.0
2-Hexanone	Ave	0.5907	0.6318		134	125	7.0	50.0
Tetrachloroethene	Ave	0.6817	0.7634		28.0	25.0	12.0	50.0
1,3-Dichloropropane	Ave	1.054	1.097		26.0	25.0	4.2	50.0
Dibromochloromethane	Ave	0.6886	0.7233		26.3	25.0	5.0	50.0
1,2-Dibromoethane	Ave	0.5929	0.6248		26.3	25.0	5.4	50.0
Chlorobenzene	Ave	1.820	1.917	0.3000	26.3	25.0	5.3	50.0
Ethylbenzene	Ave	3.012	3.215		26.7	25.0	6.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6506	0.6729		25.9	25.0	3.4	50.0
m&p-Xylene	Ave	1.140	1.243		54.5	50.0	9.1	50.0
o-Xylene	Ave	1.085	1.197		27.6	25.0	10.4	50.0
Styrene	Ave	1.756	1.941		27.6	25.0	10.5	50.0
Isopropylbenzene	Ave	2.904	3.200		27.6	25.0	10.2	50.0
Bromoform	Ave	0.4287	0.4677	0.1000	27.3	25.0	9.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8981	0.9255	0.3000	25.8	25.0	3.1	50.0
trans-1,4-Dichloro-2-butene	Lin		0.3038		155	125	23.8	50.0
N-Propylbenzene	Ave	3.676	4.170		28.4	25.0	13.4	50.0
1,2,3-Trichloropropane	Ave	0.2606	0.2827		27.1	25.0	8.5	50.0
Bromobenzene	Ave	0.8014	0.8594		26.8	25.0	7.2	50.0
1,3,5-Trimethylbenzene	Ave	2.460	2.690		27.3	25.0	9.3	50.0
2-Chlorotoluene	Ave	0.7466	0.8076		27.0	25.0	8.2	50.0
4-Chlorotoluene	Ave	0.7809	0.8321		26.6	25.0	6.6	50.0
tert-Butylbenzene	Ave	0.5124	0.5781		28.2	25.0	12.8	50.0
1,2,4-Trimethylbenzene	Ave	2.497	2.775		27.8	25.0	11.1	50.0
sec-Butylbenzene	Ave	3.007	3.366		28.0	25.0	12.0	50.0
4-Isopropyltoluene	Ave	2.543	2.860		28.1	25.0	12.4	50.0
1,3-Dichlorobenzene	Ave	1.575	1.646		26.1	25.0	4.5	50.0
1,4-Dichlorobenzene	Ave	1.622	1.699		26.2	25.0	4.7	50.0
n-Butylbenzene	Ave	2.337	2.607		27.9	25.0	11.5	50.0
1,2-Dichlorobenzene	Ave	1.516	1.561		25.7	25.0	3.0	50.0
1,2-Dibromo-3-Chloropropane	Lin1		0.1645		24.0	25.0	-3.9	50.0
1,2,4-Trichlorobenzene	Ave	1.007	1.078		26.8	25.0	7.0	50.0
Hexachlorobutadiene	Ave	0.3793	0.4430		29.2	25.0	16.8	50.0
Naphthalene	Ave	2.566	2.774		27.0	25.0	8.1	50.0
1,2,3-Trichlorobenzene	Ave	0.9597	1.008		26.3	25.0	5.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2034	0.1796		22.1	25.0	-11.7	50.0
Toluene-d8 (Surr)	Ave	2.078	2.006		24.1	25.0	-3.5	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.6470		24.9	25.0	-0.5	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23075.D
Lims ID: CCVIS Client ID:
Inject. Date: 15-Oct-2012 11:04:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0015733-002
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 27
Lims Batch ID: 85475 Lims Sample ID: 2
Sublist: chrom-C-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m
Last Update: 15-Oct-2012 11:22:41 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 11:22:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	575957	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	317436	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	75	299505	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	103423	22.1	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	636761	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	205381	24.9	
10 Dichlorodifluoromethane	85	4.607	4.607	0.0	83	194126	29.3	
12 Chloromethane	50	5.034	5.034	0.0	99	330383	26.5	
13 Vinyl chloride	62	5.259	5.259	0.0	84	287876	28.1	
14 Bromomethane	94	5.876	5.876	0.0	90	169897	24.4	
15 Chloroethane	64	6.006	6.006	0.0	92	174801	26.2	
17 Trichlorofluoromethane	101	6.338	6.338	0.0	83	283376	25.6	
20 Acrolein	56	6.908	6.908	0.0	99	389839	497.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	6.931	6.931	0.0	63	161075	26.8	
22 1,1-Dichloroethene	96	7.002	7.002	0.0	82	170557	26.1	
23 Acetone	43	7.062	7.062	0.0	99	392939	128.0	
25 Iodomethane	142	7.240	7.240	0.0	99	261937	27.7	
26 Carbon disulfide	76	7.323	7.323	0.0	100	616621	28.6	
27 Methyl acetate	43	7.346	7.346	0.0	99	256682	26.7	
29 Acetonitrile	40	7.406	7.406	0.0	100	763932	1053.5	
30 Methylene Chloride	84	7.524	7.524	0.0	89	220821	25.5	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	574479	25.2	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	90	213934	26.1	
33 Acrylonitrile	53	7.773	7.773	0.0	97	511383	133.2	
37 Vinyl acetate	43	8.105	8.105	0.0	97	2643158	135.9	
39 1,1-Dichloroethane	63	8.165	8.165	0.0	85	428567	26.1	
43 2-Butanone (MEK)	43	8.615	8.615	0.0	98	644738	132.8	
44 2,2-Dichloropropane	77	8.651	8.651	0.0	88	245270	26.5	
45 cis-1,2-Dichloroethene	96	8.663	8.663	0.0	73	235788	26.7	
49 Tetrahydrofuran	42	8.888	8.888	0.0	92	437129	135.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	8.888	8.888	0.0	88	121921	27.4	
50 Chloroform	83	8.900	8.900	0.0	82	378613	26.5	
51 1,1,1-Trichloroethane	97	9.066	9.066	0.0	92	301134	27.1	
52 Cyclohexane	56	9.101	9.101	0.0	94	329185	24.4	
54 1,1-Dichloropropene	75	9.173	9.173	0.0	92	292942	28.7	
55 Carbon tetrachloride	117	9.196	9.196	0.0	82	275849	28.1	
57 Benzene	78	9.374	9.374	0.0	98	839862	26.8	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	83	329409	25.3	
62 Trichloroethene	95	9.849	9.849	0.0	92	216097	26.7	
64 Methylcyclohexane	83	9.991	9.991	0.0	96	314332	30.2	
65 1,2-Dichloropropane	63	10.062	10.062	0.0	93	246789	26.6	
67 Dibromomethane	93	10.192	10.192	0.0	88	142375	25.9	
68 Dichlorobromomethane	83	10.264	10.264	0.0	88	284985	26.6	
69 2-Chloroethyl vinyl ether	63	10.370	10.370	0.0	92	848474	138.4	
77 trans-1,3-Dichloropropene	75	10.572	10.572	0.0	94	344079	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	10.607	10.607	0.0	97	1418881	133.3	
74 Toluene	92	10.833	10.833	0.0	98	539451	27.2	
75 Ethyl methacrylate	69	10.904	10.904	0.0	92	265612	26.8	
72 cis-1,3-Dichloropropene	75	10.987	10.987	0.0	88	324860	26.2	
79 1,1,2-Trichloroethane	83	11.165	11.165	0.0	94	161814	25.4	
80 2-Hexanone	43	11.248	11.248	0.0	97	1002842	133.7	
81 Tetrachloroethene	166	11.283	11.283	0.0	97	242335	28.0	
82 1,3-Dichloropropane	76	11.307	11.307	0.0	91	348373	26.0	
83 Chlorodibromomethane	129	11.532	11.532	0.0	88	229590	26.3	
84 Ethylene Dibromide	107	11.663	11.663	0.0	98	198321	26.3	
88 Ethylbenzene	91	11.995	11.995	0.0	93	1020442	26.7	
87 Chlorobenzene	112	11.995	11.995	0.0	77	608439	26.3	
89 1,1,1,2-Tetrachloroethane	131	12.030	12.030	0.0	76	213593	25.9	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	789119	54.5	
91 o-Xylene	106	12.434	12.434	0.0	89	380040	27.6	
92 Styrene	104	12.446	12.446	0.0	92	616005	27.6	
94 Isopropylbenzene	105	12.695	12.695	0.0	97	958442	27.6	
95 Bromoform	173	12.730	12.730	0.0	95	148449	27.3	
97 1,1,2,2-Tetrachloroethane	83	13.003	13.003	0.0	85	277202	25.8	
98 trans-1,4-Dichloro-2-butene	53	13.027	13.027	0.0	91	454983	154.7	
99 N-Propylbenzene	91	13.050	13.050	0.0	99	1248787	28.4	
100 1,2,3-Trichloropropane	110	13.086	13.086	0.0	81	84681	27.1	
101 Bromobenzene	156	13.121	13.121	0.0	64	257403	26.8	
102 1,3,5-Trimethylbenzene	105	13.169	13.169	0.0	93	805668	27.3	
103 2-Chlorotoluene	126	13.228	13.228	0.0	96	241869	27.0	
105 4-Chlorotoluene	126	13.323	13.323	0.0	98	249231	26.6	
106 tert-Butylbenzene	134	13.513	13.513	0.0	92	173154	28.2	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	72	831033	27.8	
109 sec-Butylbenzene	105	13.714	13.714	0.0	94	1008153	28.0	
110 4-Isopropyltoluene	119	13.809	13.809	0.0	95	856493	28.1	
111 1,3-Dichlorobenzene	146	13.952	13.952	0.0	97	493100	26.1	
113 1,4-Dichlorobenzene	146	14.035	14.035	0.0	94	508766	26.2	
115 n-Butylbenzene	91	14.236	14.236	0.0	98	780700	27.9	
116 1,2-Dichlorobenzene	146	14.461	14.461	0.0	96	467450	25.7	
117 1,2-Dibromo-3-Chloropropane	75	15.375	15.375	0.0	67	49258	24.0	
119 1,2,4-Trichlorobenzene	180	16.442	16.442	0.0	94	322793	26.8	
120 Hexachlorobutadiene	225	16.537	16.537	0.0	92	132680	29.2	

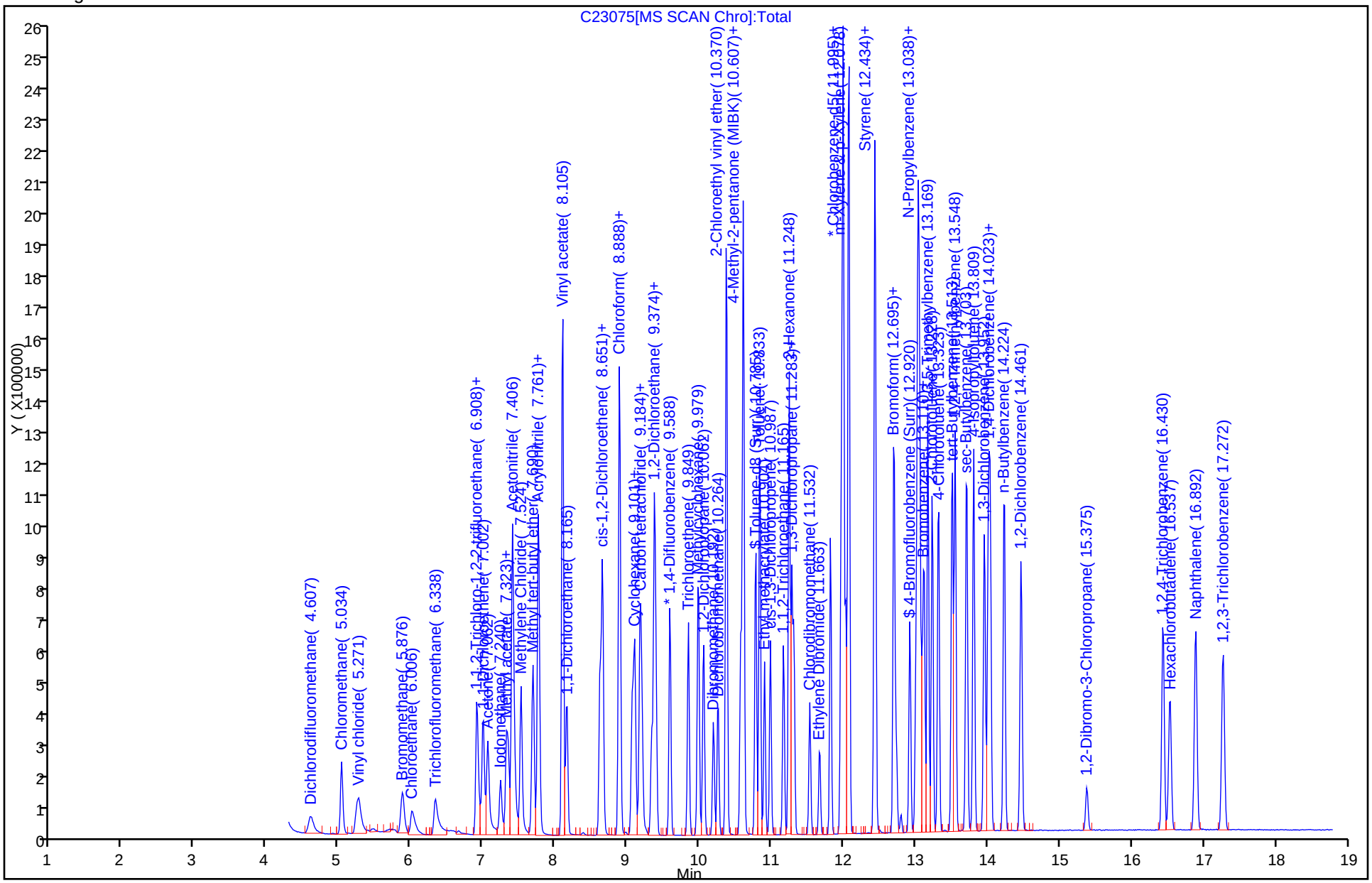
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	16.892	16.892	0.0	97	830912	27.0	
122 1,2,3-Trichlorobenzene	180	17.272	17.272	0.0	94	301862	26.3	
S 123 Total BTEX	1				0		162.8	
S 124 Xylenes, Total	1				0		82.1	
S 125 1,2-Dichloroethene, Total	1				0		52.8	
S 126 1,3-Dichloropropene, Total	1				0		52.9	

Report Date: 15-Oct-2012 11:22:42 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23075.D

Injection Date:	15-Oct-2012 11:04:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	2
Operator ID:	LH		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCV 480-85475/3 Calibration Date: 10/15/2012 11:44

Instrument ID: HP5973C Calib Start Date: 10/05/2012 15:04

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 17:09

Lab File ID: C23076.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	0.2034	0.1817		22.3	25.0	-10.7	50.0
Toluene-d8 (Surr)	Ave	2.078	2.002		24.1	25.0	-3.7	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.6538		25.1	25.0	0.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23076.D
Lims ID: CCV Client ID:
Inject. Date: 15-Oct-2012 11:44:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0015733-003
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 85475 Lims Sample ID: 3
Sublist: chrom-C-8260*sub11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m
Last Update: 15-Oct-2012 12:51:04 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 12:51:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	569942	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	87	304684	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	89	303035	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	103541	22.3	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	609997	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	84	199206	25.1	
11 Chlorodifluoromethane	51	4.631	4.631	0.0	78	266837	21.8	
16 Dichlorofluoromethane	67	6.279	6.279	0.0	81	385803	25.3	
18 Ethyl ether	59	6.659	6.659	0.0	95	190213	24.5	
19 Propene oxide	58	6.801	6.801	0.0	95	314151	129.3	
24 Isopropyl alcohol	45	7.145	7.145	0.0	98	326708	564.7	
28 3-Chloro-1-propene	41	7.370	7.370	0.0	89	368654	26.5	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	98	600790	540.0	
35 Hexane	57	7.892	7.892	0.0	93	310208	27.0	
36 Isopropyl ether	45	8.058	8.058	0.0	95	768018	25.6	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	98	221661	136.9	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	87	338065	26.4	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	99	728247	26.0	
42 Ethyl acetate	43	8.580	8.580	0.0	98	251100	26.1	
46 Propionitrile	54	8.722	8.722	0.0	99	406405	269.1	
47 Methacrylonitrile	41	8.829	8.829	0.0	95	157071	26.2	
53 Isobutyl alcohol	43	9.137	9.137	0.0	94	634920	1103.6	
59 n-Heptane	43	9.327	9.327	0.0	44	243431	25.1	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	95	579031	26.4	
60 n-Butanol	56	9.647	9.647	0.0	88	407298	1109.9	
63 Methyl methacrylate	41	9.979	9.979	0.0	95	207439	24.8	
66 1,4-Dioxane	88	10.121	10.121	0.0	97	89975	1310.5	
70 2-Nitropropane	43	10.430	10.430	0.0	97	368238	123.2	
71 Epichlorohydrin	57	10.525	10.525	0.0	99	609960	553.7	
76 2-Methylthiophene	97	10.963	10.963	0.0	97	635965	23.7	

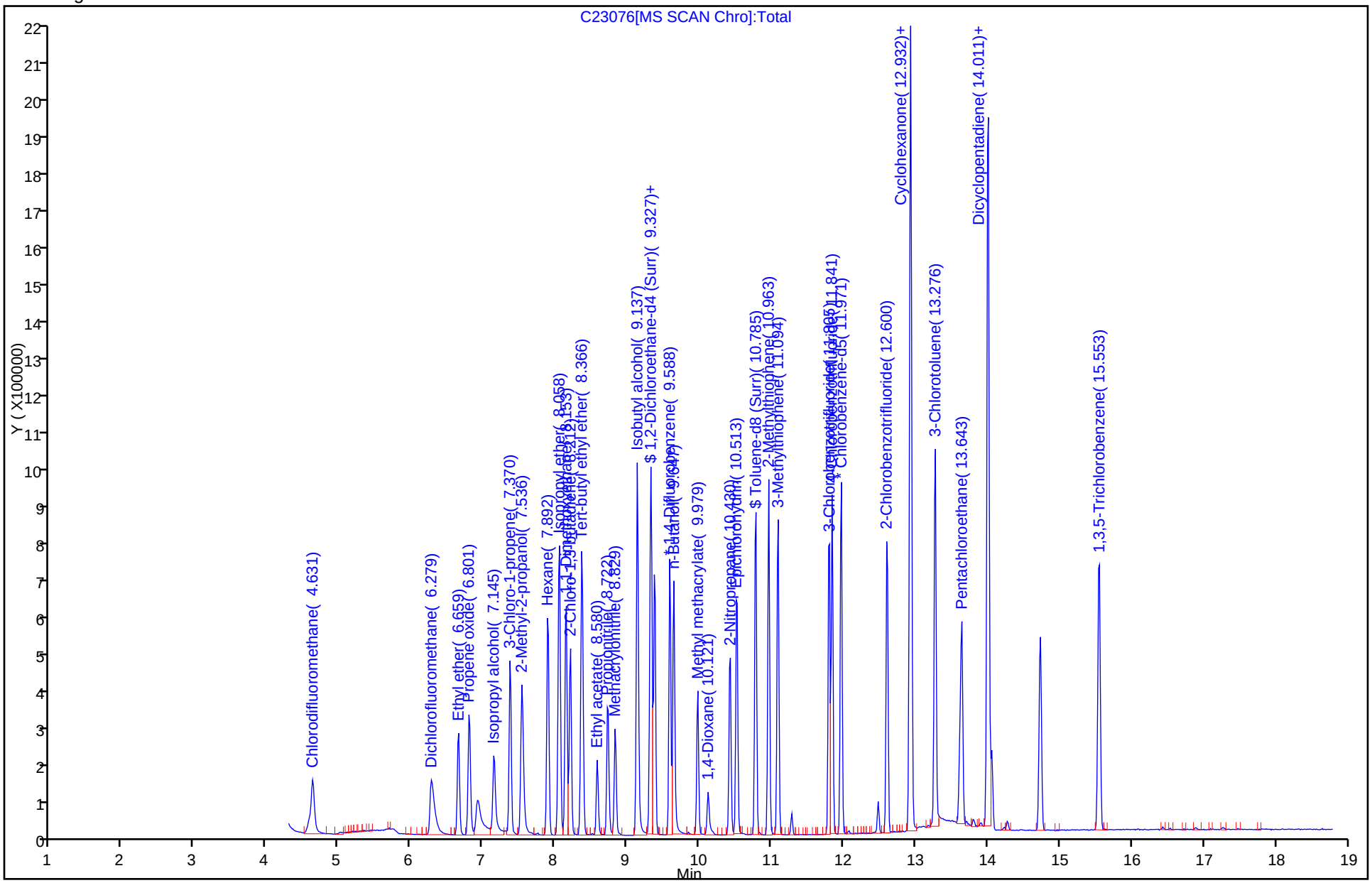
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
78 3-Methylthiophene	97	11.094	11.094	0.0	100	621098	23.3	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	91	359065	29.5	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	95	297303	23.1	
93 2-Chlorobenzotrifluoride	180	12.612	12.612	0.0	98	304888	25.8	
96 Cyclohexanone	55	12.932	12.932	0.0	94	834902	303.8	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	236378	24.4	
108 Pentachloroethane	167	13.643	13.643	0.0	87	113741	26.3	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	809620	25.9	
114 Dicyclopentadiene	66	14.058	14.058	0.0	83	230707	25.7	
118 1,3,5-Trichlorobenzene	180	15.553	15.553	0.0	97	338200	25.7	

Report Date: 15-Oct-2012 12:51:04 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23076.D

Injection Date:	15-Oct-2012 11:44:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	3
Operator ID:	LH		
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.: 480-26562-1

SDG No.:

Lab Sample ID: CCV 480-85475/3 Calibration Date: 10/15/2012 11:44

Instrument ID: HP5973C Calib Start Date: 10/05/2012 19:40

GC Column: ZB-624 (30) ID: 0.53(mm) Calib End Date: 10/05/2012 21:46

Lab File ID: C23076.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
Chlorodifluoromethane	Ave	0.5377	0.4682		21.8	25.0	-12.9	50.0
Dichlorofluoromethane	Ave	0.6683	0.6769		25.3	25.0	1.3	50.0
Ethyl ether	Ave	0.3404	0.3337		24.5	25.0	-2.0	50.0
Isopropyl alcohol	Ave	0.0254	0.0287		565	500	12.9	50.0
Allyl chloride	Ave	0.6096	0.6468		26.5	25.0	6.1	50.0
2-Methyl-2-propanol	Ave	0.0488	0.0527		540	500	8.0	50.0
Hexane	Ave	0.5035	0.5443		27.0	25.0	8.1	50.0
Isopropyl ether	Ave	1.314	1.348		25.6	25.0	2.6	50.0
1,1-Dimethoxyethane	Ave	0.0710	0.0778		137	125	9.5	50.0
Chloroprene	Ave	0.5624	0.5932		26.4	25.0	5.5	50.0
Tert-butyl ethyl ether	Ave	1.227	1.278		26.0	25.0	4.2	50.0
Ethyl acetate	Ave	0.4214	0.4406		26.1	25.0	4.6	50.0
Propionitrile	Ave	0.0662	0.0713		269	250	7.6	50.0
Methacrylonitrile	Ave	0.2632	0.2756		26.2	25.0	4.7	50.0
Isobutyl alcohol	Ave	0.0252	0.0279		1100	1000	10.4	50.0
n-Heptane	Ave	0.4256	0.4271		25.1	25.0	0.4	50.0
Tert-amyl methyl ether	Ave	0.9638	1.016		26.4	25.0	5.4	50.0
n-Butanol	Ave	0.0161	0.0179		1110	1000	11.0	50.0
Methyl methacrylate	Ave	0.3676	0.3640		24.8	25.0	-1.0	50.0
1,4-Dioxane	Ave	0.0056	0.0074		1310	1000	31.1	50.0
2-Nitropropane	Ave	0.2466	0.2430		123	125	-1.5	50.0
Epichlorohydrin	Ave	0.0483	0.0535		554	500	10.7	50.0
2-Methylthiophene	Ave	2.210	2.099		23.7	25.0	-5.0	50.0
3-Methylthiophene	Ave	2.202	2.050		23.3	25.0	-6.9	50.0
3-Chlorobenzotrifluoride	Ave	1.004	1.185		29.5	25.0	18.0	50.0
p-Monochlorobenzotrifluoride	Ave	1.061	0.9811		23.1	25.0	-7.6	50.0
2-Chlorobenzotrifluoride	Ave	0.9762	1.006		25.8	25.0	3.1	50.0
Cyclohexanone	Ave	0.2268	0.2755		304	250	21.5	50.0
3-Chlorotoluene	Ave	0.7983	0.7800		24.4	25.0	-2.3	50.0
Pentachloroethane	Ave	0.3565	0.3753		26.3	25.0	5.3	50.0
1,2,3-Trimethylbenzene	Ave	2.579	2.672		25.9	25.0	3.6	50.0
Dicyclopentadiene	Ave	0.7398	0.7613		25.7	25.0	2.9	50.0
1,3,5-Trichlorobenzene	Ave	1.086	1.116		25.7	25.0	2.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23076.D
Lims ID: CCV Client ID:
Inject. Date: 15-Oct-2012 11:44:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0015733-003
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 85475 Lims Sample ID: 3
Sublist: chrom-C-8260*sub11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m
Last Update: 15-Oct-2012 12:51:04 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 12:51:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	569942	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	87	304684	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	89	303035	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	103541	22.3	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	609997	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	84	199206	25.1	
11 Chlorodifluoromethane	51	4.631	4.631	0.0	78	266837	21.8	
16 Dichlorofluoromethane	67	6.279	6.279	0.0	81	385803	25.3	
18 Ethyl ether	59	6.659	6.659	0.0	95	190213	24.5	
19 Propene oxide	58	6.801	6.801	0.0	95	314151	129.3	
24 Isopropyl alcohol	45	7.145	7.145	0.0	98	326708	564.7	
28 3-Chloro-1-propene	41	7.370	7.370	0.0	89	368654	26.5	
31 2-Methyl-2-propanol	59	7.536	7.536	0.0	98	600790	540.0	
35 Hexane	57	7.892	7.892	0.0	93	310208	27.0	
36 Isopropyl ether	45	8.058	8.058	0.0	95	768018	25.6	
38 1,1-Dimethoxyethane	75	8.153	8.153	0.0	98	221661	136.9	
40 2-Chloro-1,3-butadiene	53	8.212	8.212	0.0	87	338065	26.4	
41 Tert-butyl ethyl ether	59	8.366	8.366	0.0	99	728247	26.0	
42 Ethyl acetate	43	8.580	8.580	0.0	98	251100	26.1	
46 Propionitrile	54	8.722	8.722	0.0	99	406405	269.1	
47 Methacrylonitrile	41	8.829	8.829	0.0	95	157071	26.2	
53 Isobutyl alcohol	43	9.137	9.137	0.0	94	634920	1103.6	
59 n-Heptane	43	9.327	9.327	0.0	44	243431	25.1	
56 Tert-amyl methyl ether	73	9.327	9.327	0.0	95	579031	26.4	
60 n-Butanol	56	9.647	9.647	0.0	88	407298	1109.9	
63 Methyl methacrylate	41	9.979	9.979	0.0	95	207439	24.8	
66 1,4-Dioxane	88	10.121	10.121	0.0	97	89975	1310.5	
70 2-Nitropropane	43	10.430	10.430	0.0	97	368238	123.2	
71 Epichlorohydrin	57	10.525	10.525	0.0	99	609960	553.7	
76 2-Methylthiophene	97	10.963	10.963	0.0	97	635965	23.7	

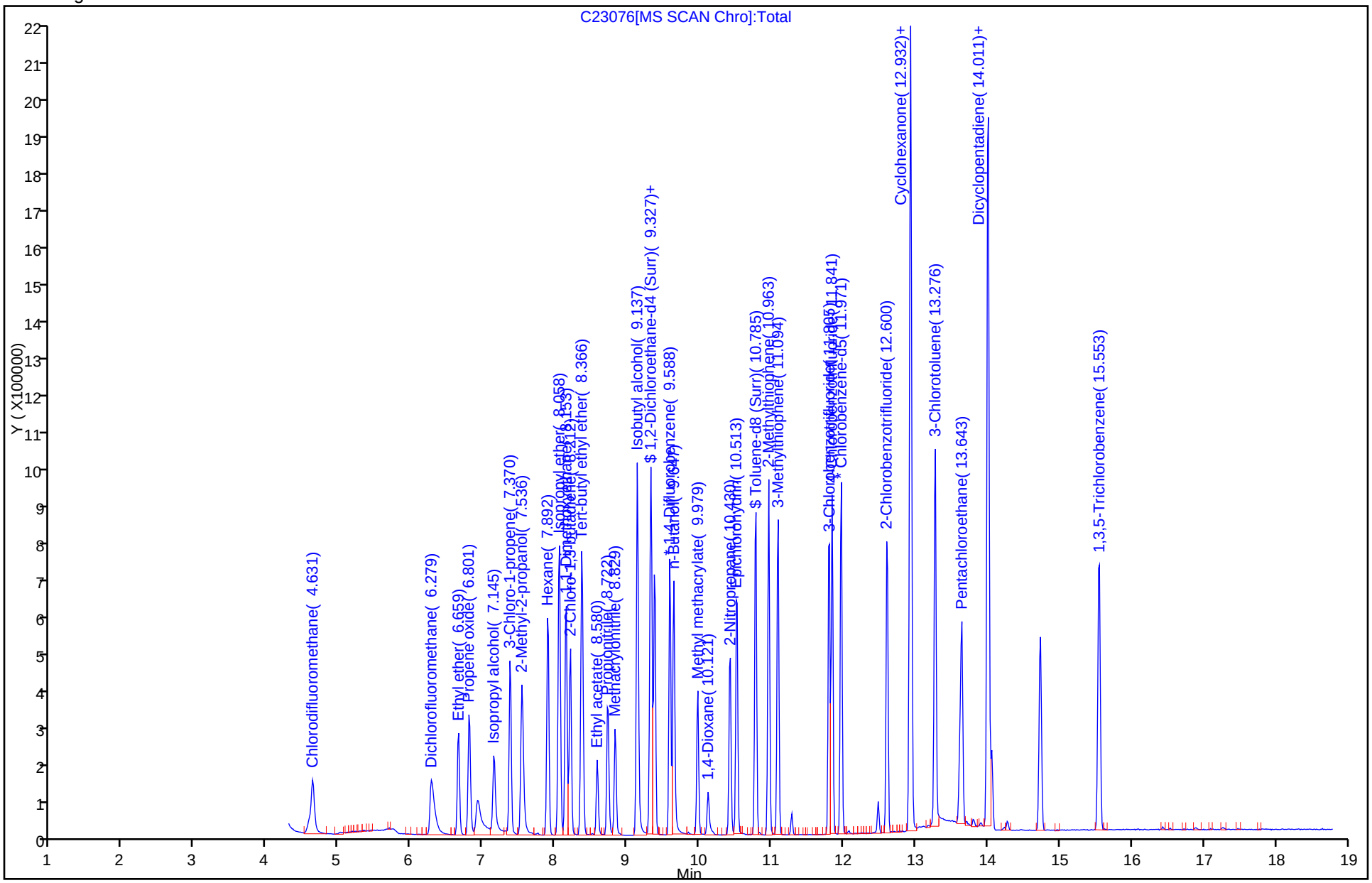
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
78 3-Methylthiophene	97	11.094	11.094	0.0	100	621098	23.3	
85 3-Chlorobenzotrifluoride	180	11.805	11.805	0.0	91	359065	29.5	
86 4-Chlorobenzotrifluoride	180	11.841	11.841	0.0	95	297303	23.1	
93 2-Chlorobenzotrifluoride	180	12.612	12.612	0.0	98	304888	25.8	
96 Cyclohexanone	55	12.932	12.932	0.0	94	834902	303.8	
104 3-Chlorotoluene	126	13.276	13.276	0.0	97	236378	24.4	
108 Pentachloroethane	167	13.643	13.643	0.0	87	113741	26.3	
112 1,2,3-Trimethylbenzene	105	13.999	13.999	0.0	97	809620	25.9	
114 Dicyclopentadiene	66	14.058	14.058	0.0	83	230707	25.7	
118 1,3,5-Trichlorobenzene	180	15.553	15.553	0.0	97	338200	25.7	

Report Date: 15-Oct-2012 12:51:04 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23076.D

Injection Date:	15-Oct-2012 11:44:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	3
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

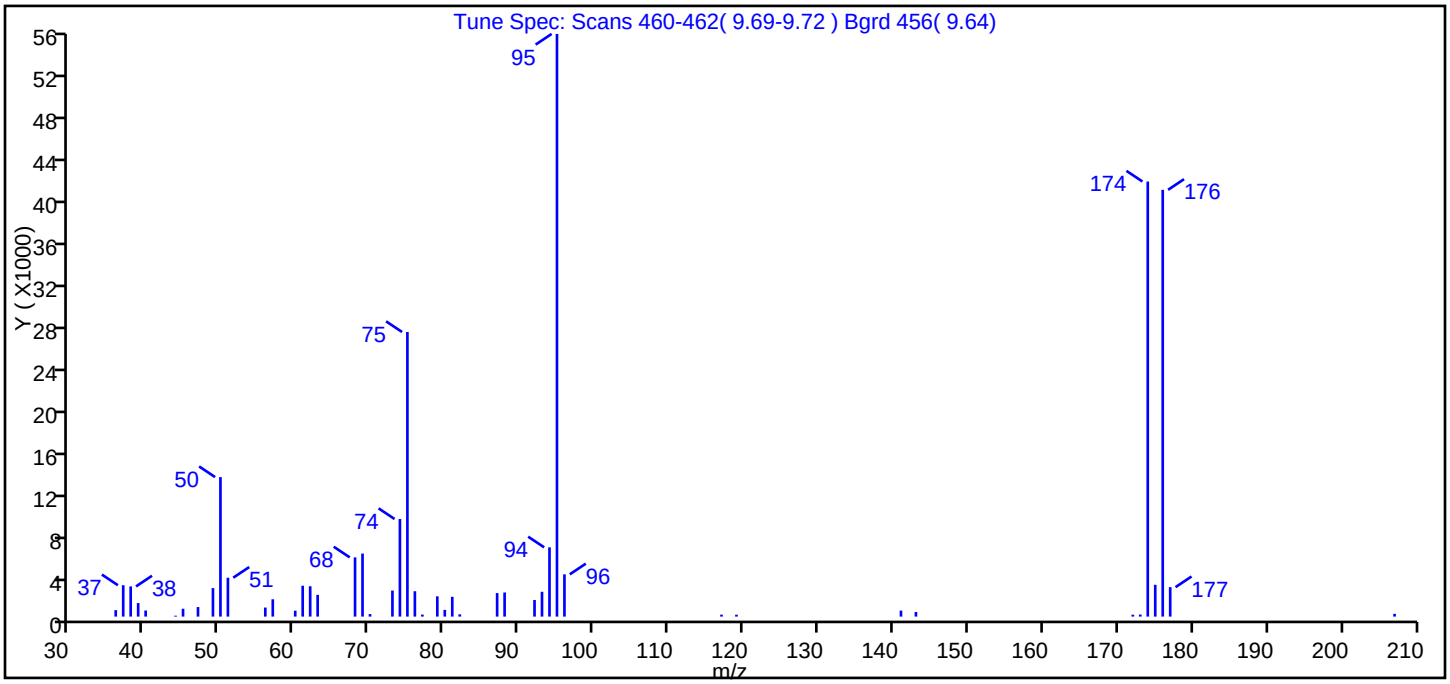
Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22817.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	05-Oct-2012 14:09:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0015469-001		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	72
Lims Batch ID:	84069	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C-8260.m		
Last Update:	06-Oct-2012 12:25:35	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		
First Level Reviewer: HillL		Date:	06-Oct-2012 12:25:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	9.704	9.704	0.0	0	152485	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22817.D		
Injection Date:	05-Oct-2012 14:09:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	84069	Lims Sample ID:	1
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	23.94
75	30.00 - 60.00% of mass 95	48.84
96	5.00 - 9.00% of mass 95	7.25
173	Less than 2.00% of mass 174	0.35 (0.47)
174	Greater than 50.00% of mass 95	74.67
175	5.00 - 9.00% of mass 174	5.46 (7.31)
176	95.00 - 101.00% of mass 174	73.25 (98.09)
177	5.00 - 9.00% of mass 176	5.05 (6.90)

Data File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22817.D\C-8260.rslt\spectra.d
Injection Date: 05-Oct-2012 14:09:30
Spectrum: Tune Spec: Scans 460-462(9.69-9.72) Bgrd 456(9.64)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	610	57.00	1638	77.00	190	117.00	184
37.00	2965	60.00	558	79.00	1915	119.00	179
38.00	2851	61.00	2915	80.00	634	141.00	567
39.00	1280	62.00	2867	81.00	1870	143.00	433
40.00	575	63.00	2053	82.00	215	172.00	181
44.00	86	68.00	5595	87.00	2222	173.00	194
45.00	741	69.00	5954	88.00	2278	174.00	41104
47.00	901	70.00	239	92.00	1565	175.00	3003
49.00	2692	73.00	2461	93.00	2344	176.00	40320
50.00	13180	74.00	9219	94.00	6543	177.00	2782
51.00	3674	75.00	26888	95.00	55048	207.00	261
56.00	854	76.00	2398	96.00	3992		

TestAmerica Laboratories
Target Compound Quantitation Report

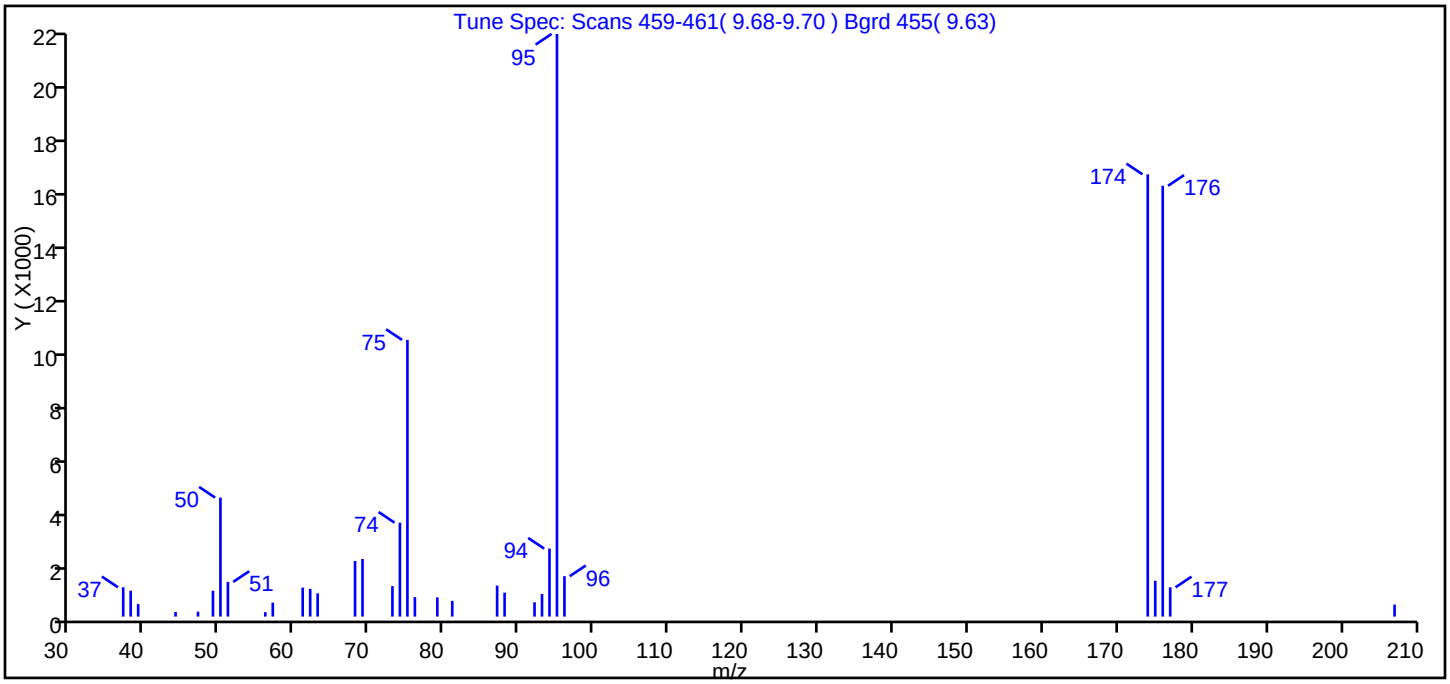
Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23048.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	14-Oct-2012 09:49:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0015710-001		
Operator:	JMB	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85412	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m		
Last Update:	14-Oct-2012 13:31:05	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK001		
First Level Reviewer: ByrnesJ		Date:	14-Oct-2012 13:31:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	9.692	9.692	0.0	0	59390	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23048.D		
Injection Date:	14-Oct-2012 09:49:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	1
Operator ID:	JMB		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.42
75	30.00 - 60.00% of mass 95	47.49
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.91
175	5.00 - 9.00% of mass 174	6.14 (8.09)
176	95.00 - 101.00% of mass 174	73.94 (97.41)
177	5.00 - 9.00% of mass 176	5.03 (6.80)

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23048.D\C-8260.rslt\spectra.d
Injection Date: 14-Oct-2012 09:49:30
Spectrum: Tune Spec: Scans 459-461(9.68-9.70) Bgrd 455(9.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 33

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1101	57.00	524	76.00	730	96.00	1515
38.00	970	61.00	1086	79.00	723	174.00	16584
39.00	469	62.00	1040	81.00	590	175.00	1342
44.00	173	63.00	871	87.00	1163	176.00	16154
47.00	183	68.00	2086	88.00	896	177.00	1098
49.00	970	69.00	2160	92.00	536	207.00	450
50.00	4462	73.00	1144	93.00	846		
51.00	1302	74.00	3522	94.00	2550		
56.00	167	75.00	10375	95.00	21848		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23074.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Oct-2012 10:33:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0015733-001		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	85475	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m		
Last Update:	15-Oct-2012 10:44:35	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK026		
First Level Reviewer: HillL		Date:	15-Oct-2012 10:44:35

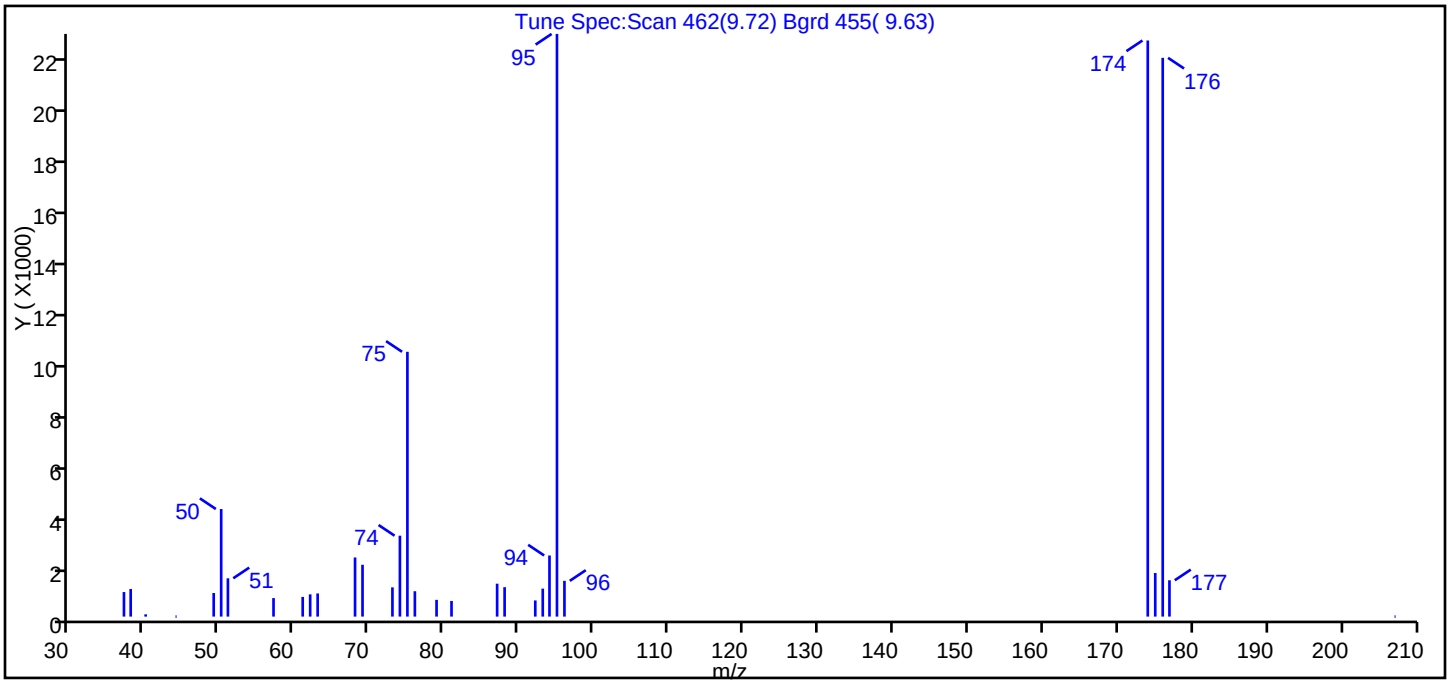
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	9.704	9.704	0.0	0	79134	0	

Report Date: 15-Oct-2012 10:44:35 Chrom Revision: 2.0 17-Jul-2012 17:32:54

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23074.D		
Injection Date:	15-Oct-2012 10:33:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	1
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.46
75	30.00 - 60.00% of mass 95	45.45
96	5.00 - 9.00% of mass 95	6.13
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	98.87
175	5.00 - 9.00% of mass 174	7.48 (7.56)
176	95.00 - 101.00% of mass 174	95.90 (96.99)
177	5.00 - 9.00% of mass 176	6.23 (6.50)

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23074.D\C-8260.rslt\spectra.d
Injection Date: 15-Oct-2012 10:33:30
Spectrum: Tune Spec:Scan 462(9.72) Bgrd 455(9.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	928	61.00	744	76.00	959	95.00	22024
38.00	1043	62.00	841	78.90	632	96.00	1351
40.00	85	63.00	875	80.90	591	174.00	21776
44.00	0	68.00	2235	87.00	1244	175.00	1647
49.10	892	69.00	1959	88.00	1112	176.00	21120
50.10	4066	73.00	1105	92.10	611	176.90	1373
51.00	1448	74.00	3058	93.10	1057	207.00	0
57.10	700	75.00	10009	94.00	2310		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85412/5

Matrix: Water | Lab File ID: C23052.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 11:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-85412/5

Matrix: Water Lab File ID: C23052.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 11:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	91		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-85412/5

Matrix: Water Lab File ID: C23052.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/14/2012 11:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85412 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23052.D
Lims ID: MB Client ID:
Inject. Date: 14-Oct-2012 11:50:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0015710-005
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 85412 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 14-Oct-2012 12:08:21 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: XAWRK001

First Level Reviewer: ByrnesJ Date: 14-Oct-2012 12:07:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.588	9.599	-0.011	96	638774	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	339661	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	311118	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.338	0.0	0	109942	21.2	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	644297	22.8	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	207712	23.5	
10 Dichlorodifluoromethane	85		4.595					
11 Chlorodifluoromethane	51		4.642					
12 Chloromethane	50		5.034					
13 Vinyl chloride	62		5.259					
14 Bromomethane	94		5.876					
15 Chloroethane	64		6.006					
16 Dichlorofluoromethane	67		6.291					
17 Trichlorofluoromethane	101		6.338					
18 Ethyl ether	59		6.658					
19 Propene oxide	58		6.813					
20 Acrolein	56		6.908					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.931					
22 1,1-Dichloroethene	96		7.003					
23 Acetone	43		7.062					
24 Isopropyl alcohol	45		7.156					
25 Iodomethane	142		7.240					
26 Carbon disulfide	76		7.323					
27 Methyl acetate	43		7.346					
28 3-Chloro-1-propene	41		7.382					9
29 Acetonitrile	40		7.406					
30 Methylene Chloride	84		7.524					
31 2-Methyl-2-propanol	59		7.548					
32 Methyl tert-butyl ether	73		7.690					9
34 trans-1,2-Dichloroethene	96		7.761					9
33 Acrylonitrile	53		7.773					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		7.904					
36 Isopropyl ether	45		8.058					
37 Vinyl acetate	43		8.105					
38 1,1-Dimethoxyethane	75		8.153					
39 1,1-Dichloroethane	63		8.165					
40 2-Chloro-1,3-butadiene	53		8.212					
41 Tert-butyl ethyl ether	59		8.378					
42 Ethyl acetate	43		8.579					
43 2-Butanone (MEK)	43		8.615					
44 2,2-Dichloropropane	77		8.651					
45 cis-1,2-Dichloroethene	96		8.663					
46 Propionitrile	54		8.734					
47 Methacrylonitrile	41		8.840					
49 Tetrahydrofuran	42		8.888					
48 Chlorobromomethane	128		8.888					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
52 Cyclohexane	56		9.101					
53 Isobutyl alcohol	43		9.137					
54 1,1-Dichloropropene	75		9.173					
55 Carbon tetrachloride	117		9.196					
59 n-Heptane	43		9.327					9
56 Tert-amyl methyl ether	73		9.327					
57 Benzene	78		9.374					9
58 1,2-Dichloroethane	62		9.398					
60 n-Butanol	56		9.647					9
62 Trichloroethene	95		9.849					9
63 Methyl methacrylate	41		9.979					
64 Methylcyclohexane	83		9.991					
65 1,2-Dichloropropane	63		10.062					
66 1,4-Dioxane	88		10.121					
67 Dibromomethane	93		10.192					
68 Dichlorobromomethane	83		10.264					
69 2-Chloroethyl vinyl ether	63		10.370					
70 2-Nitropropane	43		10.429					
71 Epichlorohydrin	57		10.524					9
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.608					9
74 Toluene	92		10.833					9
75 Ethyl methacrylate	69		10.904					9
76 2-Methylthiophene	97		10.963					9
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.093					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					
81 Tetrachloroethene	166		11.283					
82 1,3-Dichloropropane	76		11.307					
83 Chlorodibromomethane	129		11.532					
84 Ethylene Dibromide	107		11.675					
85 3-Chlorobenzotrifluoride	180		11.805					
86 4-Chlorobenzotrifluoride	180		11.841					
87 Chlorobenzene	112		11.995					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		11.995					9
89 1,1,1,2-Tetrachloroethane	131		12.031					
90 m-Xylene & p-Xylene	106		12.078					9
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
93 2-Chlorobenzotrifluoride	180		12.611					
94 Isopropylbenzene	105		12.706					
95 Bromoform	173		12.730					
96 Cyclohexanone	55		12.932					9
97 1,1,2,2-Tetrachloroethane	83		13.003					
98 trans-1,4-Dichloro-2-butene	53		13.027					
99 N-Propylbenzene	91		13.050					9
100 1,2,3-Trichloropropane	110		13.086					
101 Bromobenzene	156		13.122					
102 1,3,5-Trimethylbenzene	105		13.169					
103 2-Chlorotoluene	126		13.228					
104 3-Chlorotoluene	126		13.275					
105 4-Chlorotoluene	126		13.323					
106 tert-Butylbenzene	134		13.513					
107 1,2,4-Trimethylbenzene	105		13.548					9
108 Pentachloroethane	167		13.643					
109 sec-Butylbenzene	105		13.714					
110 4-Isopropyltoluene	119		13.809					
111 1,3-Dichlorobenzene	146		13.952					
112 1,2,3-Trimethylbenzene	105		13.999					
113 1,4-Dichlorobenzene	146		14.035					
114 Dicyclopentadiene	66		14.058					
115 n-Butylbenzene	91		14.236					
116 1,2-Dichlorobenzene	146		14.462					9
117 1,2-Dibromo-3-Chloropropane	75		15.375					
118 1,3,5-Trichlorobenzene	180		15.552					
119 1,2,4-Trichlorobenzene	180		16.430					
120 Hexachlorobutadiene	225		16.537					
121 Naphthalene	128		16.893					9
122 1,2,3-Trichlorobenzene	180		17.272					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 131 Bromoethane TIC	1		0.000					1
T 130 bis(chloromethyl)ether TIC	1		0.000					1
T 132 Pentachloroethane TIC	1		0.000					1
T 134 tert-amyl alcohol TIC	1		0.000					1
T 133 1-Bromopropane	1		0.000					1
T 129 Aziridine TIC	1		0.000					1
T 128 Hexachloroethane TIC	117		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1

QC Flag Legend

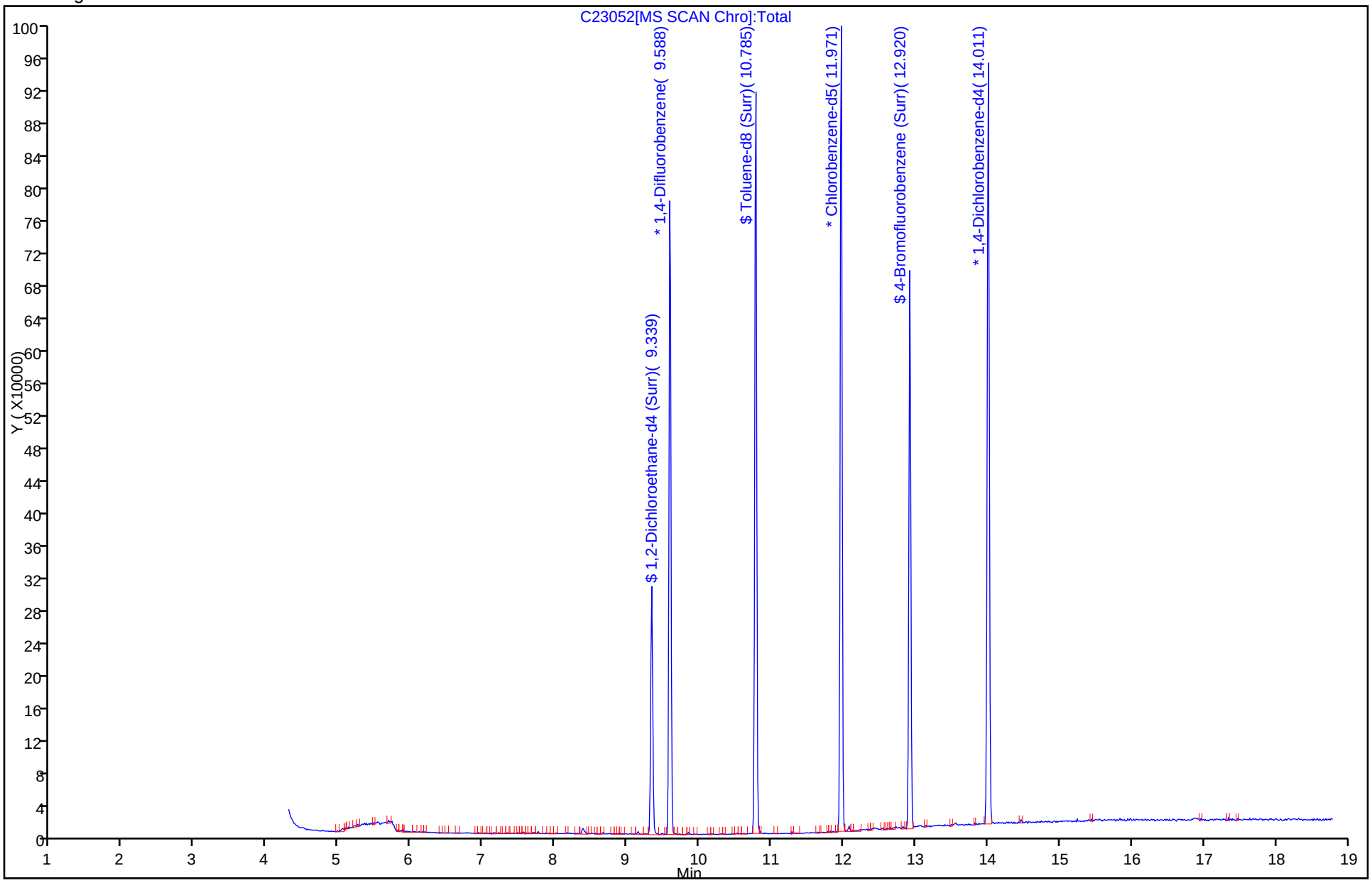
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 14-Oct-2012 12:08:21 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23052.D

Injection Date:	14-Oct-2012 11:50:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	5
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85475/5

Matrix: Water | Lab File ID: C23078.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/15/2012 12:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85475 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-85475/5

Matrix: Water Lab File ID: C23078.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/15/2012 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	92		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-85475/5

Matrix: Water Lab File ID: C23078.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 10/15/2012 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 85475 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23078.D
Lims ID: MB Client ID:
Inject. Date: 15-Oct-2012 12:33:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0015733-005
Operator: LH Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 30
Lims Batch ID: 85475 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m
Last Update: 15-Oct-2012 12:51:43 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK026

First Level Reviewer: HillL Date: 15-Oct-2012 12:51:43

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
*	1 1,4-Difluorobenzene	114	9.588	9.588	0.0	96	557066	25.0	
*	2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	303162	25.0	
*	3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	291174	25.0	
$	4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	98749	21.8	
$	5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	581342	23.1	
$	6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	185329	23.5	
	10 Dichlorodifluoromethane	85		4.607					
	11 Chlorodifluoromethane	51		4.631					
	12 Chloromethane	50		5.034					
	13 Vinyl chloride	62		5.259					
	14 Bromomethane	94		5.876					
	15 Chloroethane	64		6.006					
	16 Dichlorofluoromethane	67		6.279					
	17 Trichlorofluoromethane	101		6.338					
	18 Ethyl ether	59		6.659					
	19 Propene oxide	58		6.801					
	20 Acrolein	56		6.908					
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		6.931					
	22 1,1-Dichloroethene	96		7.002					
	23 Acetone	43		7.062					
	24 Isopropyl alcohol	45		7.145					
	25 Iodomethane	142		7.240					
	26 Carbon disulfide	76		7.323					
	27 Methyl acetate	43		7.346					
	28 3-Chloro-1-propene	41		7.370					
	29 Acetonitrile	40		7.406					
	30 Methylene Chloride	84		7.524					
	31 2-Methyl-2-propanol	59		7.536					
	32 Methyl tert-butyl ether	73		7.690					
	34 trans-1,2-Dichloroethene	96		7.761					
	33 Acrylonitrile	53		7.773					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		7.892					
36 Isopropyl ether	45		8.058					
37 Vinyl acetate	43		8.105					
38 1,1-Dimethoxyethane	75		8.153					
39 1,1-Dichloroethane	63		8.165					
40 2-Chloro-1,3-butadiene	53		8.212					
41 Tert-butyl ethyl ether	59		8.366					
42 Ethyl acetate	43		8.580					
43 2-Butanone (MEK)	43		8.615					
44 2,2-Dichloropropane	77		8.651					
45 cis-1,2-Dichloroethene	96		8.663					
46 Propionitrile	54		8.722					
47 Methacrylonitrile	41		8.829					
49 Tetrahydrofuran	42		8.888					
48 Chlorobromomethane	128		8.888					
50 Chloroform	83		8.900					
51 1,1,1-Trichloroethane	97		9.066					
52 Cyclohexane	56		9.101					
53 Isobutyl alcohol	43		9.137					
54 1,1-Dichloropropene	75		9.173					
55 Carbon tetrachloride	117		9.196					
59 n-Heptane	43		9.327					
56 Tert-amyl methyl ether	73		9.327					
57 Benzene	78		9.374					
58 1,2-Dichloroethane	62		9.398					9
60 n-Butanol	56		9.647					9
62 Trichloroethene	95		9.849					
63 Methyl methacrylate	41		9.979					
64 Methylcyclohexane	83		9.991					
65 1,2-Dichloropropane	63		10.062					
66 1,4-Dioxane	88		10.121					
67 Dibromomethane	93		10.192					
68 Dichlorobromomethane	83		10.264					
69 2-Chloroethyl vinyl ether	63		10.370					
70 2-Nitropropane	43		10.430					
71 Epichlorohydrin	57		10.525					
77 trans-1,3-Dichloropropene	75		10.572					
73 4-Methyl-2-pentanone (MIBK)	43		10.607					9
74 Toluene	92		10.833					
75 Ethyl methacrylate	69		10.904					9
76 2-Methylthiophene	97		10.963					9
72 cis-1,3-Dichloropropene	75		10.987					
78 3-Methylthiophene	97		11.094					
79 1,1,2-Trichloroethane	83		11.165					
80 2-Hexanone	43		11.248					
81 Tetrachloroethene	166		11.283					
82 1,3-Dichloropropane	76		11.307					
83 Chlorodibromomethane	129		11.532					
84 Ethylene Dibromide	107		11.663					
85 3-Chlorobenzotrifluoride	180		11.805					
86 4-Chlorobenzotrifluoride	180		11.841					
88 Ethylbenzene	91		11.995					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 Chlorobenzene	112		11.995					
89 1,1,1,2-Tetrachloroethane	131		12.030					
90 m-Xylene & p-Xylene	106		12.078					9
91 o-Xylene	106		12.434					
92 Styrene	104		12.446					
93 2-Chlorobenzotrifluoride	180		12.612					
94 Isopropylbenzene	105		12.695					
95 Bromoform	173		12.730					
96 Cyclohexanone	55		12.932					
97 1,1,2,2-Tetrachloroethane	83		13.003					
98 trans-1,4-Dichloro-2-butene	53		13.027					
99 N-Propylbenzene	91		13.050					
100 1,2,3-Trichloropropane	110		13.086					
101 Bromobenzene	156		13.121					
102 1,3,5-Trimethylbenzene	105		13.169					
103 2-Chlorotoluene	126		13.228					
104 3-Chlorotoluene	126		13.276					
105 4-Chlorotoluene	126		13.323					
106 tert-Butylbenzene	134		13.513					
107 1,2,4-Trimethylbenzene	105		13.548					9
108 Pentachloroethane	167		13.643					
109 sec-Butylbenzene	105		13.714					
110 4-Isopropyltoluene	119		13.809					
111 1,3-Dichlorobenzene	146		13.952					
112 1,2,3-Trimethylbenzene	105		13.999					
113 1,4-Dichlorobenzene	146		14.035					
114 Dicyclopentadiene	66		14.058					
115 n-Butylbenzene	91		14.236					
116 1,2-Dichlorobenzene	146		14.461					
117 1,2-Dibromo-3-Chloropropane	75		15.375					
118 1,3,5-Trichlorobenzene	180		15.553					
119 1,2,4-Trichlorobenzene	180		16.442					
120 Hexachlorobutadiene	225		16.537					
121 Naphthalene	128		16.892					
122 1,2,3-Trichlorobenzene	180		17.272					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		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	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 129 Aziridine TIC	1		0.000					1
T 130 bis(chloromethyl)ether TIC	1		0.000					1
T 131 Bromoethane TIC	1		0.000					1
T 132 Pentachloroethane TIC	1		0.000					1
T 133 1-Bromopropane	1		0.000					1
T 134 tert-amyl alcohol TIC	1		0.000					1

QC Flag Legend

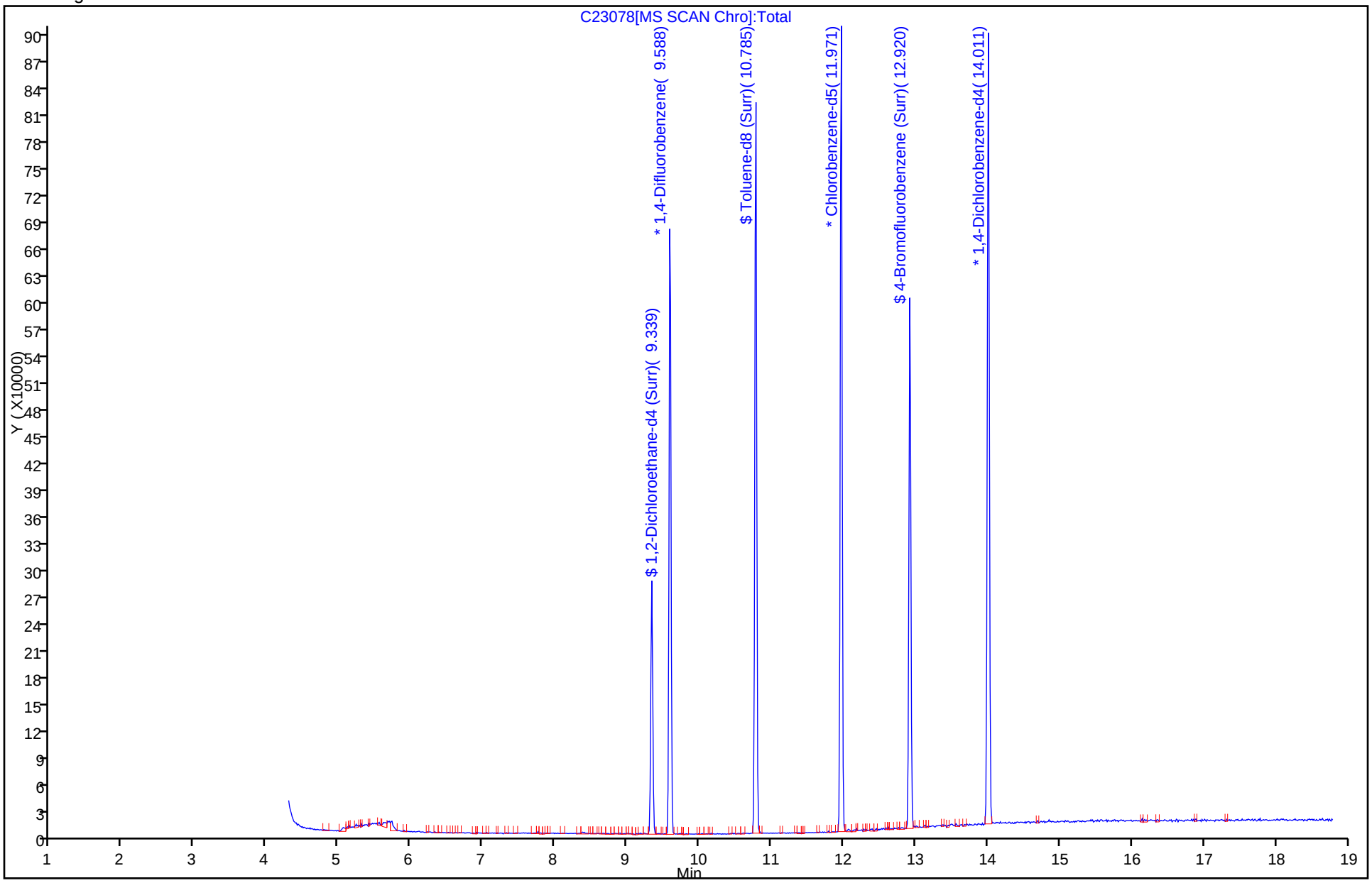
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

Report Date: 15-Oct-2012 12:51:43 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23078.D

Injection Date:	15-Oct-2012 12:33:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	5
Operator ID:	LH		
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.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-85412/4

Matrix: Water | Lab File ID: C23051.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/14/2012 11:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85412 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	21.7		5.0	0.38
75-35-4	1,1-Dichloroethene	17.7		5.0	0.29
107-06-2	1,2-Dichloroethane	23.2		5.0	0.21
71-43-2	Benzene	23.5		1.0	0.41
108-90-7	Chlorobenzene	24.2		5.0	0.75
156-59-2	cis-1,2-Dichloroethene	23.0		5.0	0.81
100-41-4	Ethylbenzene	23.4		5.0	0.74
179601-23-1	m&p-Xylene	48.9		5.0	0.66
95-47-6	o-Xylene	24.2		5.0	0.76
127-18-4	Tetrachloroethene	23.7		5.0	0.36
108-88-3	Toluene	24.0		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.0		5.0	0.90
79-01-6	Trichloroethene	23.1		5.0	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		66-137
460-00-4	4-Bromofluorobenzene (Surr)	93		73-120
2037-26-5	Toluene-d8 (Surr)	91		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23051.D
Lims ID: LCS Client ID:
Inject. Date: 14-Oct-2012 11:25:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0015710-004
Operator: JMB Instrument ID: HP5973C
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 85412 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C-8260.m
Last Update: 14-Oct-2012 12:08:02 Calib Date: 05-Oct-2012 21:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK001

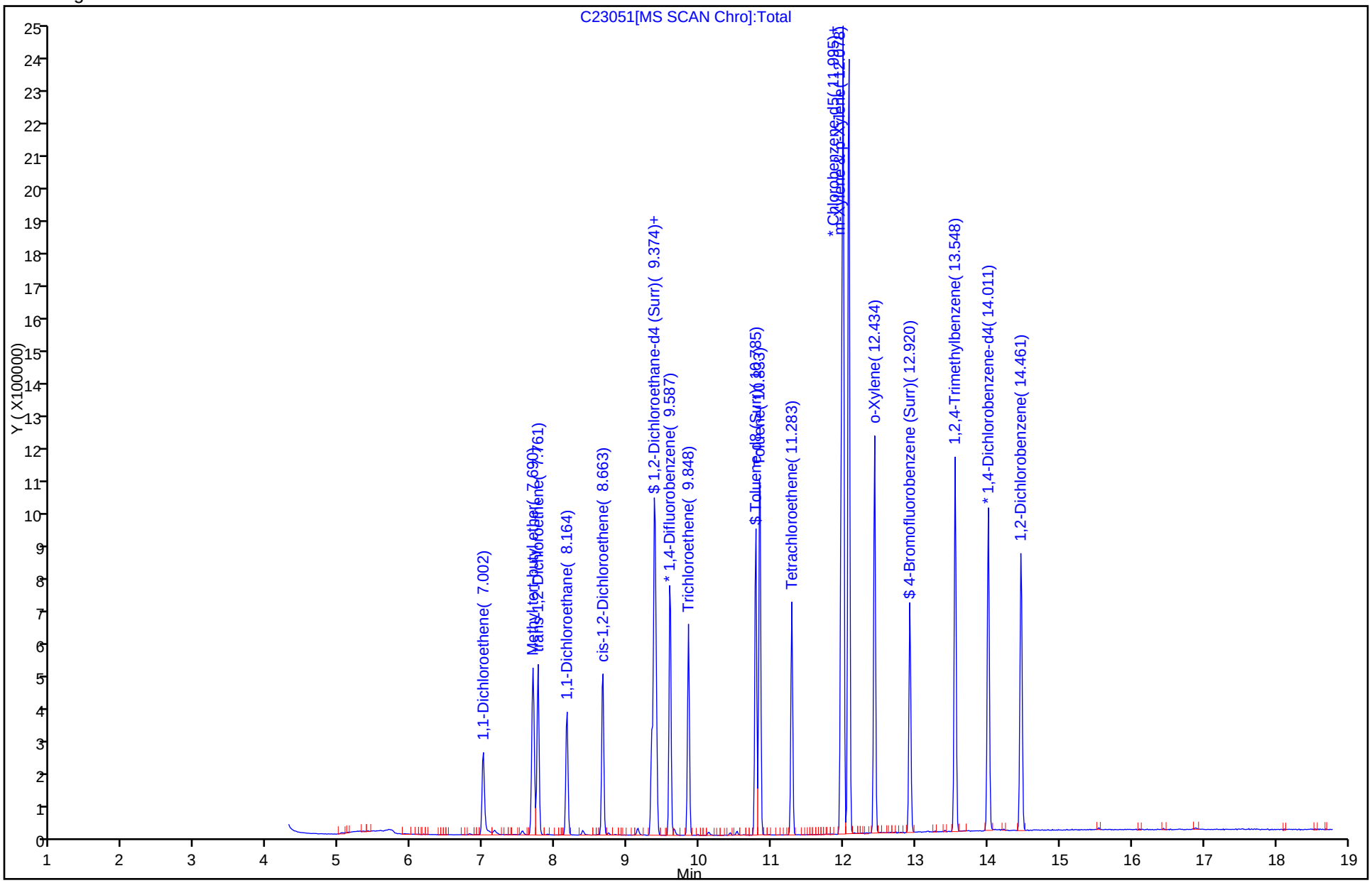
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.587	9.599	-0.012	96	644911	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	348508	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	322465	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.338	9.338	0.0	0	109903	20.9	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	662404	22.9	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	209964	23.1	
22 1,1-Dichloroethene	96	7.002	7.003	-0.001	85	129451	17.7	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	577991	22.6	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	92	211398	23.0	
39 1,1-Dichloroethane	63	8.164	8.165	-0.001	85	399075	21.7	
45 cis-1,2-Dichloroethene	96	8.663	8.663	-0.001	71	227458	23.0	
57 Benzene	78	9.374	9.374	0.0	98	823894	23.5	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	85	338157	23.2	
62 Trichloroethene	95	9.848	9.849	-0.001	93	209143	23.1	
74 Toluene	92	10.833	10.833	0.0	97	523478	24.0	
81 Tetrachloroethene	166	11.283	11.283	0.0	91	224765	23.7	
87 Chlorobenzene	112	11.995	11.995	0.0	87	613722	24.2	
88 Ethylbenzene	91	11.995	11.995	0.0	92	982371	23.4	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	776446	48.9	
91 o-Xylene	106	12.434	12.434	0.0	98	365633	24.2	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	98	758793	23.6	
116 1,2-Dichlorobenzene	146	14.461	14.462	-0.001	96	476238	24.4	
S 125 1,2-Dichloroethene, Total	1				0		46.0	
S 124 Xylenes, Total	1				0		73.1	

Report Date: 14-Oct-2012 12:08:02 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121014-15710.b\C23051.D

Injection Date:	14-Oct-2012 11:25:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85412	Lims Sample ID:	4
Operator ID:	JMB		
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.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-85475/4

Matrix: Water | Lab File ID: C23077.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/15/2012 12:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) ID: 0.53(mm)

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

Analysis Batch No.: 85475 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	22.9		5.0	0.38
75-35-4	1,1-Dichloroethene	19.4		5.0	0.29
107-06-2	1,2-Dichloroethane	24.3		5.0	0.21
71-43-2	Benzene	24.2		1.0	0.41
108-90-7	Chlorobenzene	25.0		5.0	0.75
156-59-2	cis-1,2-Dichloroethene	23.7		5.0	0.81
100-41-4	Ethylbenzene	24.0		5.0	0.74
179601-23-1	m&p-Xylene	50.5		5.0	0.66
95-47-6	o-Xylene	25.1		5.0	0.76
127-18-4	Tetrachloroethene	25.1		5.0	0.36
108-88-3	Toluene	24.5		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.0		5.0	0.90
79-01-6	Trichloroethene	24.6		5.0	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	90		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23077.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	15-Oct-2012 12:08:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:	480-0015733-004		
Operator:	LH	Instrument ID:	HP5973C
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	85475	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973C\20121015-15733.b\C-8260.m		
Last Update:	15-Oct-2012 12:51:24	Calib Date:	05-Oct-2012 21:46:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973C\20121005-15469.b\C22835.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK026		
First Level Reviewer: HillL		Date:	15-Oct-2012 12:51:24

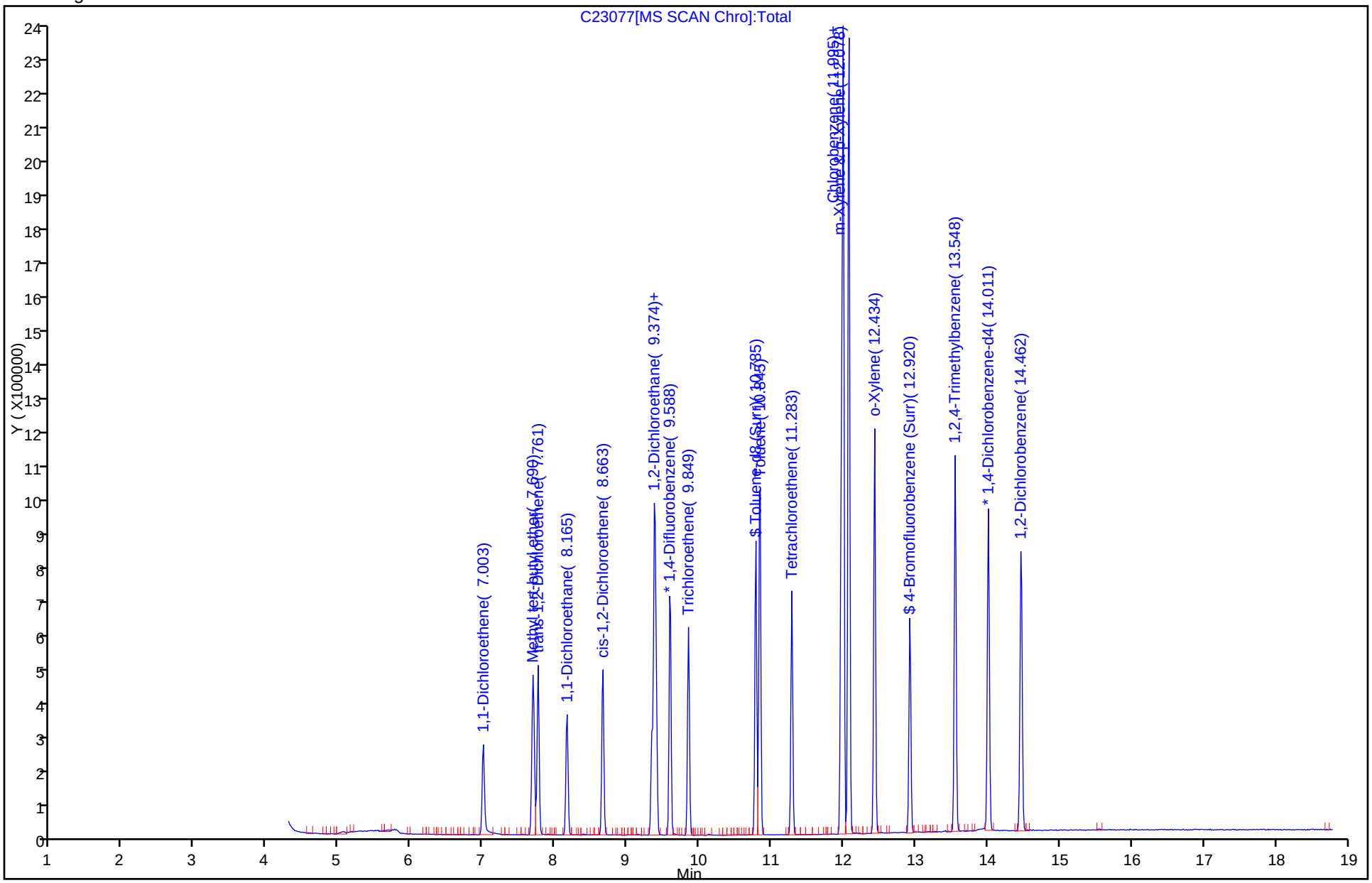
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	9.600	9.588	0.012	95	571256	25.0	
* 2 Chlorobenzene-d5	82	11.971	11.971	0.0	86	312741	25.0	
* 3 1,4-Dichlorobenzene-d4	152	14.011	14.011	0.0	96	298725	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	9.339	9.339	0.0	0	96765	20.8	
$ 5 Toluene-d8 (Surr)	98	10.785	10.785	0.0	94	583791	22.5	
$ 6 4-Bromofluorobenzene (Surr)	174	12.920	12.920	0.0	86	190536	23.4	
22 1,1-Dichloroethene	96	7.003	7.002	0.001	86	125659	19.4	
32 Methyl tert-butyl ether	73	7.690	7.690	0.0	93	500887	22.2	
34 trans-1,2-Dichloroethene	96	7.761	7.761	0.0	91	187348	23.0	
39 1,1-Dichloroethane	63	8.165	8.165	0.0	86	373812	22.9	
45 cis-1,2-Dichloroethene	96	8.663	8.663	0.0	71	207683	23.7	
57 Benzene	78	9.374	9.374	0.0	98	753054	24.2	
58 1,2-Dichloroethane	62	9.398	9.398	0.0	86	313509	24.3	
62 Trichloroethene	95	9.849	9.849	0.001	93	197088	24.6	
74 Toluene	92	10.845	10.833	0.012	98	479033	24.5	
81 Tetrachloroethene	166	11.283	11.283	0.0	91	213629	25.1	
88 Ethylbenzene	91	11.995	11.995	0.0	92	904458	24.0	
87 Chlorobenzene	112	11.995	11.995	0.0	79	569834	25.0	
90 m-Xylene & p-Xylene	106	12.078	12.078	0.0	99	719508	50.5	
91 o-Xylene	106	12.434	12.434	0.0	98	340197	25.1	
107 1,2,4-Trimethylbenzene	105	13.548	13.548	0.0	98	700177	23.5	
116 1,2-Dichlorobenzene	146	14.462	14.461	0.001	97	440807	24.3	
S 124 Xylenes, Total	1				0		75.5	
S 125 1,2-Dichloroethene, Total	1				0		46.7	

Report Date: 15-Oct-2012 12:51:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973C\20121015-15733.b\C23077.D

Injection Date:	15-Oct-2012 12:08:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973C
Lims Batch ID:	85475	Lims Sample ID:	4
Operator ID:	LH		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973C Start Date: 10/05/2012 14:09

Analysis Batch Number: 84069 End Date: 10/05/2012 21:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-84069/1		10/05/2012 14:09	1	C22817.D	ZB-624 (30) 0.53(mm)
IC 480-84069/2		10/05/2012 15:04	1	C22819.D	ZB-624 (30) 0.53(mm)
IC 480-84069/3		10/05/2012 15:29	1	C22820.D	ZB-624 (30) 0.53(mm)
IC 480-84069/4		10/05/2012 15:54	1	C22821.D	ZB-624 (30) 0.53(mm)
ICIS 480-84069/5		10/05/2012 16:19	1	C22822.D	ZB-624 (30) 0.53(mm)
IC 480-84069/6		10/05/2012 16:44	1	C22823.D	ZB-624 (30) 0.53(mm)
IC 480-84069/7		10/05/2012 17:09	1	C22824.D	ZB-624 (30) 0.53(mm)
ICV 480-84069/8		10/05/2012 17:59	1		ZB-624 (30) 0.53(mm)
MDLV 480-84069/9		10/05/2012 18:50	1		ZB-624 (30) 0.53(mm)
IC 480-84069/10		10/05/2012 19:40	1	C22830.D	ZB-624 (30) 0.53(mm)
IC 480-84069/11		10/05/2012 20:05	1	C22831.D	ZB-624 (30) 0.53(mm)
IC 480-84069/12		10/05/2012 20:30	1	C22832.D	ZB-624 (30) 0.53(mm)
IC 480-84069/13		10/05/2012 20:56	1	C22833.D	ZB-624 (30) 0.53(mm)
IC 480-84069/14		10/05/2012 21:21	1	C22834.D	ZB-624 (30) 0.53(mm)
IC 480-84069/15		10/05/2012 21:46	1	C22835.D	ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973C Start Date: 10/14/2012 09:49

Analysis Batch Number: 85412 End Date: 10/14/2012 20:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-85412/1		10/14/2012 09:49	1	C23048.D	ZB-624 (30) 0.53(mm)
CCVIS 480-85412/2		10/14/2012 10:34	1	C23049.D	ZB-624 (30) 0.53(mm)
CCV 480-85412/3		10/14/2012 10:59	1	C23050.D	ZB-624 (30) 0.53(mm)
LCS 480-85412/4		10/14/2012 11:25	1	C23051.D	ZB-624 (30) 0.53(mm)
MB 480-85412/5		10/14/2012 11:50	1	C23052.D	ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 12:31	100		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 12:56	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 13:21	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 13:46	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 14:12	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 14:37	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 15:01	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 15:26	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 15:51	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 16:16	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 16:41	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 17:07	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 17:32	1		ZB-624 (30) 0.53(mm)
480-26562-16	GW-007830-101112-002	10/14/2012 17:57	1	C23066.D	ZB-624 (30) 0.53(mm)
480-26562-17	GW-007830-101112-003	10/14/2012 18:22	1	C23067.D	ZB-624 (30) 0.53(mm)
480-26562-18	GW-007830-101112-004	10/14/2012 18:47	1	C23068.D	ZB-624 (30) 0.53(mm)
480-26562-19	GW-007830-101112-005	10/14/2012 19:12	1	C23069.D	ZB-624 (30) 0.53(mm)
480-26562-15	GW-007830-101112-001	10/14/2012 19:37	1	C23070.D	ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 20:03	100		ZB-624 (30) 0.53(mm)
ZZZZZ		10/14/2012 20:28	100		ZB-624 (30) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973C Start Date: 10/15/2012 10:33

Analysis Batch Number: 85475 End Date: 10/15/2012 21:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-85475/1		10/15/2012 10:33	1	C23074.D	ZB-624 (30) 0.53(mm)
CCVIS 480-85475/2		10/15/2012 11:04	1	C23075.D	ZB-624 (30) 0.53(mm)
CCV 480-85475/3		10/15/2012 11:44	1	C23076.D	ZB-624 (30) 0.53(mm)
LCS 480-85475/4		10/15/2012 12:08	1	C23077.D	ZB-624 (30) 0.53(mm)
MB 480-85475/5		10/15/2012 12:33	1	C23078.D	ZB-624 (30) 0.53(mm)
480-26562-16 DL	GW-007830-101112-002 DL	10/15/2012 13:13	20	C23079.D	ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 13:38	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 14:03	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 14:28	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 14:54	500		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 15:19	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 15:45	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 16:10	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 16:35	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 17:00	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 17:25	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 17:50	80		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 18:15	20		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 18:40	80		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 19:05	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 19:30	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 19:55	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 20:20	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 20:46	1		ZB-624 (30) 0.53(mm)
ZZZZZ		10/15/2012 21:11	20		ZB-624 (30) 0.53(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
GW-007830-101112-001	480-26562-15	72	60	97	98	111	111
GW-007830-101112-002	480-26562-16	83	72	104	105	118	132
GW-007830-101112-003	480-26562-17	100	86	134 X	134 X	158 X	147
GW-007830-101112-004	480-26562-18	79	67	104	105	117	124
GW-007830-101112-005	480-26562-19	67	57	91	92	106	102
	MB 480-85908/1-A	51	34	89	87	115	127
	LCS 480-85908/2-A	57	39	100	100	124	120

	QC LIMITS
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Matrix: Water Level: Low Lab File ID: V6031.D

Lab ID: LCS 480-85908/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	100	88.7	89	40-120	
1,4-Dichlorobenzene	100	71.6	72	32-120	
2,4-Dinitrotoluene	100	122	122	65-154	
2-Chlorophenol	100	88.1	88	48-120	
4-Chloro-3-methylphenol	100	107	107	64-120	
4-Nitrophenol	100	47.3	47	16-120	
Acenaphthene	100	103	103	60-120	
Bis(2-ethylhexyl) phthalate	100	111	111	53-158	
Fluorene	100	108	108	55-143	
Hexachloroethane	100	69.5	69	14-101	
N-Nitrosodi-n-propylamine	100	102	102	56-120	
Pentachlorophenol	100	108	108	39-136	
Phenol	100	45.1	45	17-120	
Pyrene	100	107	107	58-136	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: V6030.D Lab Sample ID: MB 480-85908/1-A

Matrix: Water Date Extracted: 10/17/2012 06:59

Instrument ID: HP5973V Date Analyzed: 10/18/2012 12:37

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-85908/2-A	V6031.D	10/18/2012 13:01
GW-007830-101112-001	480-26562-15	V6038.D	10/18/2012 16:00
GW-007830-101112-002	480-26562-16	V6039.D	10/18/2012 16:24
GW-007830-101112-003	480-26562-17	V6040.D	10/18/2012 16:48
GW-007830-101112-004	480-26562-18	V6041.D	10/18/2012 17:13
GW-007830-101112-005	480-26562-19	V6042.D	10/18/2012 17:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: V4446.D DFTPP Injection Date: 08/28/2012

Instrument ID: HP5973V DFTPP Injection Time: 16:00

Analysis Batch No.: 78493

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	33.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	33.2	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	45.8	
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	25.1	
365	Greater than 1.0 % of mass 198	3.0	
441	Present but less than mass 443	11.3	(75.5)1
442	Greater than 40.0 % of mass 198	82.5	
443	17.0 - 23.0 % of mass 442	15.0	(18.2)2

1-Value is % mass 69 2-Value is % mass 442

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 480-78493/8	V4453.D	08/28/2012	18:47
	IC 480-78493/9	V4454.D	08/28/2012	19:11
	IC 480-78493/10	V4455.D	08/28/2012	19:35
	IC 480-78493/11	V4456.D	08/28/2012	19:59
	IC 480-78493/12	V4457.D	08/28/2012	20:23
	IC 480-78493/13	V4458.D	08/28/2012	20:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: V5912.D DFTPP Injection Date: 10/16/2012

Instrument ID: HP5973V DFTPP Injection Time: 11:41

Analysis Batch No.: 85675

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.2	
68	Less than 2.0 % of mass 69	0.4	(1.1)1
69	Mass 69 relative abundance	33.9	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	45.5	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.5	
275	10.0 - 30.0 % of mass 198	26.2	
365	Greater than 1.0 % of mass 198	2.6	
441	Present but less than mass 443	9.5	(74.7)1
442	Greater than 40.0 % of mass 198	68.1	
443	17.0 - 23.0 % of mass 442	12.7	(18.6)2

1-Value is % mass 69 2-Value is % mass 442

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 480-85675/2	V5913.D	10/16/2012	12:03
	IC 480-85675/3	V5914.D	10/16/2012	12:28
	ICIS 480-85675/4	V5915.D	10/16/2012	12:52
	IC 480-85675/5	V5916.D	10/16/2012	13:17
	IC 480-85675/6	V5917.D	10/16/2012	13:41
	IC 480-85675/7	V5918.D	10/16/2012	14:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab File ID: V6024.D DFTPP Injection Date: 10/18/2012

Instrument ID: HP5973V DFTPP Injection Time: 10:17

Analysis Batch No.: 86214

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	31.5	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	43.5	
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	6.8	
275	10.0 - 30.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	3.0	
441	Present but less than mass 443	10.9	(76.4)1
442	Greater than 40.0 % of mass 198	75.4	
443	17.0 - 23.0 % of mass 442	14.3	(19.0)2

1-Value is % mass 69 2-Value is % mass 442

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 480-86214/2	V6025.D	10/18/2012	10:35
	CCV 480-86214/3	V6026.D	10/18/2012	10:59
	MB 480-85908/1-A	V6030.D	10/18/2012	12:37
	LCS 480-85908/2-A	V6031.D	10/18/2012	13:01
GW-007830-101112-001	480-26562-15	V6038.D	10/18/2012	16:00
GW-007830-101112-002	480-26562-16	V6039.D	10/18/2012	16:24
GW-007830-101112-003	480-26562-17	V6040.D	10/18/2012	16:48
GW-007830-101112-004	480-26562-18	V6041.D	10/18/2012	17:13
GW-007830-101112-005	480-26562-19	V6042.D	10/18/2012	17:37

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: ICIS 480-85675/4 Date Analyzed: 10/16/2012 12:52

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V5915.D Heated Purge: (Y/N) N

Calibration ID: 10768

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		227856	5.75	911315	7.43	536404	9.70
UPPER LIMIT		455712	6.25	1822630	7.93	1072808	10.20
LOWER LIMIT		113928	5.25	455658	6.93	268202	9.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-86214/2		218294	5.75	882103	7.43	523056	9.69

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: ICIS 480-85675/4 Date Analyzed: 10/16/2012 12:52

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V5915.D Heated Purge: (Y/N) N

Calibration ID: 10768

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		928921	11.41	986677	13.90	1098513	15.19
UPPER LIMIT		1857842	11.91	1973354	14.40	2197026	15.69
LOWER LIMIT		464461	10.91	493339	13.40	549257	14.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-86214/2		900106	11.41	987032	13.90	1154382	15.19

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: CCVIS 480-86214/2 Date Analyzed: 10/18/2012 10:35

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V6025.D Heated Purge: (Y/N) N

Calibration ID: 10768

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		218294	5.75	882103	7.43	523056	9.69
UPPER LIMIT		436588	6.25	1764206	7.93	1046112	10.19
LOWER LIMIT		109147	5.25	441052	6.93	261528	9.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-86214/3		255726	5.75	970798	7.43	582669	9.69
MB 480-85908/1-A		204127	5.74	789555	7.43	471280	9.69
LCS 480-85908/2-A		194868	5.74	780576	7.43	472901	9.70
480-26562-15	GW-007830-101112-001	191243	5.74	735370	7.43	432487	9.69
480-26562-16	GW-007830-101112-002	159897	5.74	620632	7.43	369731	9.69
480-26562-17	GW-007830-101112-003	164583	5.74	645756	7.43	388775	9.69
480-26562-18	GW-007830-101112-004	167301	5.74	654339	7.43	385751	9.69
480-26562-19	GW-007830-101112-005	218750	5.74	859117	7.43	503108	9.69

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Sample No.: CCVIS 480-86214/2 Date Analyzed: 10/18/2012 10:35

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V6025.D Heated Purge: (Y/N) N

Calibration ID: 10768

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		900106	11.41	987032	13.90	1154382	15.19
UPPER LIMIT		1800212	11.91	1974064	14.40	2308764	15.69
LOWER LIMIT		450053	10.91	493516	13.40	577191	14.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-86214/3		1065700	11.41	1029705	13.90	1177267	15.19
MB 480-85908/1-A		838946	11.41	844008	13.90	1007854	15.19
LCS 480-85908/2-A		794049	11.42	908364	13.91	1123566	15.19
480-26562-15	GW-007830-101112-001	756382	11.41	787209	13.90	916727	15.19
480-26562-16	GW-007830-101112-002	657834	11.41	676323	13.90	777523	15.18
480-26562-17	GW-007830-101112-003	688441	11.41	742315	13.90	917457	15.18
480-26562-18	GW-007830-101112-004	676330	11.41	696360	13.90	843560	15.18
480-26562-19	GW-007830-101112-005	879198	11.41	910611	13.90	1075289	15.19

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 | Lab Sample ID: 480-26562-15

Matrix: Water | Lab File ID: V6038.D

Analysis Method: 8270C | Date Collected: 10/11/2012 08:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 16:00

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.1
95-50-1	1,2-Dichlorobenzene	ND		24	0.98
541-73-1	1,3-Dichlorobenzene	ND		24	1.2
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.3
95-95-4	2,4,5-Trichlorophenol	ND		12	1.2
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.4
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.98
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.5
95-48-7	2-Methylphenol	ND		12	0.98
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.2
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.98
99-09-2	3-Nitroaniline	ND		24	1.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.4
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.85
106-44-5	4-Methylphenol	ND		24	0.88
100-01-6	4-Nitroaniline	ND		24	0.61
100-02-7	4-Nitrophenol	ND		24	3.7
83-32-9	Acenaphthene	ND		12	1.0
208-96-8	Acenaphthylene	ND		12	0.93
120-12-7	Anthracene	ND		12	0.68
100-52-7	Benzaldehyde	ND		12	0.65
56-55-3	Benzo(a)anthracene	ND		12	0.88
50-32-8	Benzo(a)pyrene	1.1	J	12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 | Lab Sample ID: 480-26562-15

Matrix: Water | Lab File ID: V6038.D

Analysis Method: 8270C | Date Collected: 10/11/2012 08:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 16:00

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	1.1	J B	12	0.83
191-24-2	Benzo(g,h,i)perylene	2.0	J B	12	0.85
207-08-9	Benzo(k)fluoranthene	ND		12	1.8
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.85
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.98
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.4
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.73
218-01-9	Chrysene	1.4	J B	12	0.80
53-70-3	Dibenz(a,h)anthracene	7.8	J B	12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.54
131-11-3	Dimethyl phthalate	ND		12	0.88
84-74-2	Di-n-butyl phthalate	ND		12	0.76
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.98
86-73-7	Fluorene	ND		12	0.88
118-74-1	Hexachlorobenzene	ND	*	12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.7
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	J B	12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.9
98-95-3	Nitrobenzene	ND		12	0.71
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.4
85-01-8	Phenanthrene	ND		12	1.1
108-95-2	Phenol	ND		12	0.95
129-00-0	Pyrene	ND		12	0.83

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 | Lab Sample ID: 480-26562-15

Matrix: Water | Lab File ID: V6038.D

Analysis Method: 8270C | Date Collected: 10/11/2012 08:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 16:00

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.: 86214 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	111		52-132
321-60-8	2-Fluorobiphenyl	98		48-120
367-12-4	2-Fluorophenol	72		20-120
4165-60-0	Nitrobenzene-d5	97		46-120
4165-62-2	Phenol-d5	60		16-120
1718-51-0	p-Terphenyl-d14	111		67-150

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-001 Lab Sample ID: 480-26562-15

Matrix: Water Lab File ID: V6038.D

Analysis Method: 8270C Date Collected: 10/11/2012 08:30

Extract. Method: 3510C Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) Date Analyzed: 10/18/2012 16:00

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.: 86214 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Lims ID:	480-26562-A-15-A	Client ID:	GW-007830-101112-001
Inject. Date:	18-Oct-2012 16:00:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-014		
Misc. Info.:	480-26562-A-15-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	86214	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 11:02:14	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 11:04:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.745	-0.005	92	191243	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	735370	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	432487	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	756382	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	787209	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	99	916727	40.0	
$ 7 2-Fluorophenol	112	3.966	3.976	-0.010	89	594535	107.4	
$ 8 Phenol-d5	99	5.269	5.274	-0.005	84	595362	89.9	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	471105	96.7	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	100	1241436	97.5	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	91	266572	166.2	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	1718703	110.8	
80 Benzaldehyde	77		5.157					9
81 Phenol	94		5.296					9
83 Bis(2-chloroethyl)ether	93		5.397					
84 2-Chlorophenol	128		5.461					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
91 1,2-Dichlorobenzene	146		5.969					
92 2-Methylphenol	108		6.108					
93 2,2'-oxybis[1-chloropropane]	45		6.129					
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					
99 Hexachloroethane	117		6.412					
102 Nitrobenzene	77		6.514					9
106 Isophorone	82		6.834					9
107 2-Nitrophenol	139		6.936					
108 2,4-Dimethylphenol	107		7.021					
111 Bis(2-chloroethoxy)methane	93		7.139					
114 2,4-Dichlorophenol	162		7.262					
117 1,2,4-Trichlorobenzene	180		7.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
118 Naphthalene	128		7.454					9
119 4-Chloroaniline	127		7.545					
121 Hexachlorobutadiene	225		7.630					
129 4-Chloro-3-methylphenol	107		8.202					
131 2-Methylnaphthalene	142		8.362					
134 Hexachlorocyclopentadiene	237		8.565					
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					
146 Dimethyl phthalate	163		9.383					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					
156 2,4-Dinitrotoluene	165		9.970					
161 Diethyl phthalate	149		10.269					9
162 Fluorene	166		10.371					
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
175 4-Bromophenyl phenyl ether	248		10.937					
179 Hexachlorobenzene	284		11.001					
183 Pentachlorophenol	266		11.226					
188 Phenanthrene	178	11.439	11.439	0.0	1	3535	0.1809	
189 Anthracene	178		11.493					9
192 Carbazole	167		11.669					9
195 Di-n-butyl phthalate	149		12.022					9
201 Fluoranthene	202		12.615					9
204 Pyrene	202	12.828	12.823	0.005	66	3422	0.1606	
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	1	2215	0.2509	
215 3,3'-Dichlorobenzidine	252		13.865					9
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	78	5875	0.4863	
217 Benzo[a]anthracene	228		13.891					9
218 Chrysene	228	13.923	13.923	0.0	12	11414	0.5541	
220 Di-n-octyl phthalate	149		14.415					9
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	58	9535	0.4310	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	66	14033	0.5774	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	18	8807	0.4407	
227 Indeno[1,2,3-cd]pyrene	276	16.354	16.344	0.011	51	16182	0.7735	
228 Dibenz(a,h)anthracene	278	16.359	16.344	0.016	4	14424	3.21	
229 Benzo[g,h,i]perylene	276	16.691	16.675	0.016	47	13649	0.8103	

QC Flag Legend

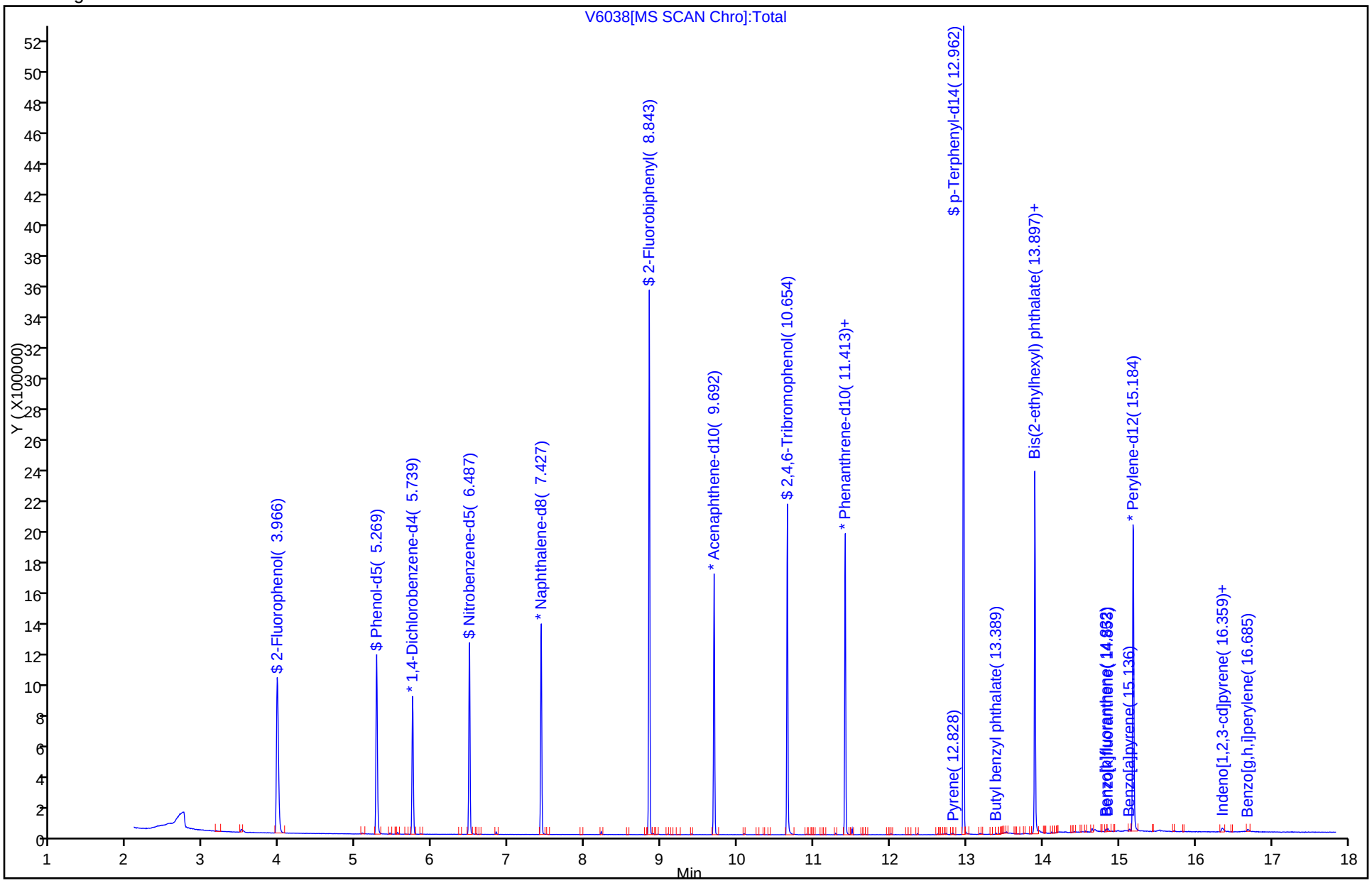
Processing Flags
9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D

Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

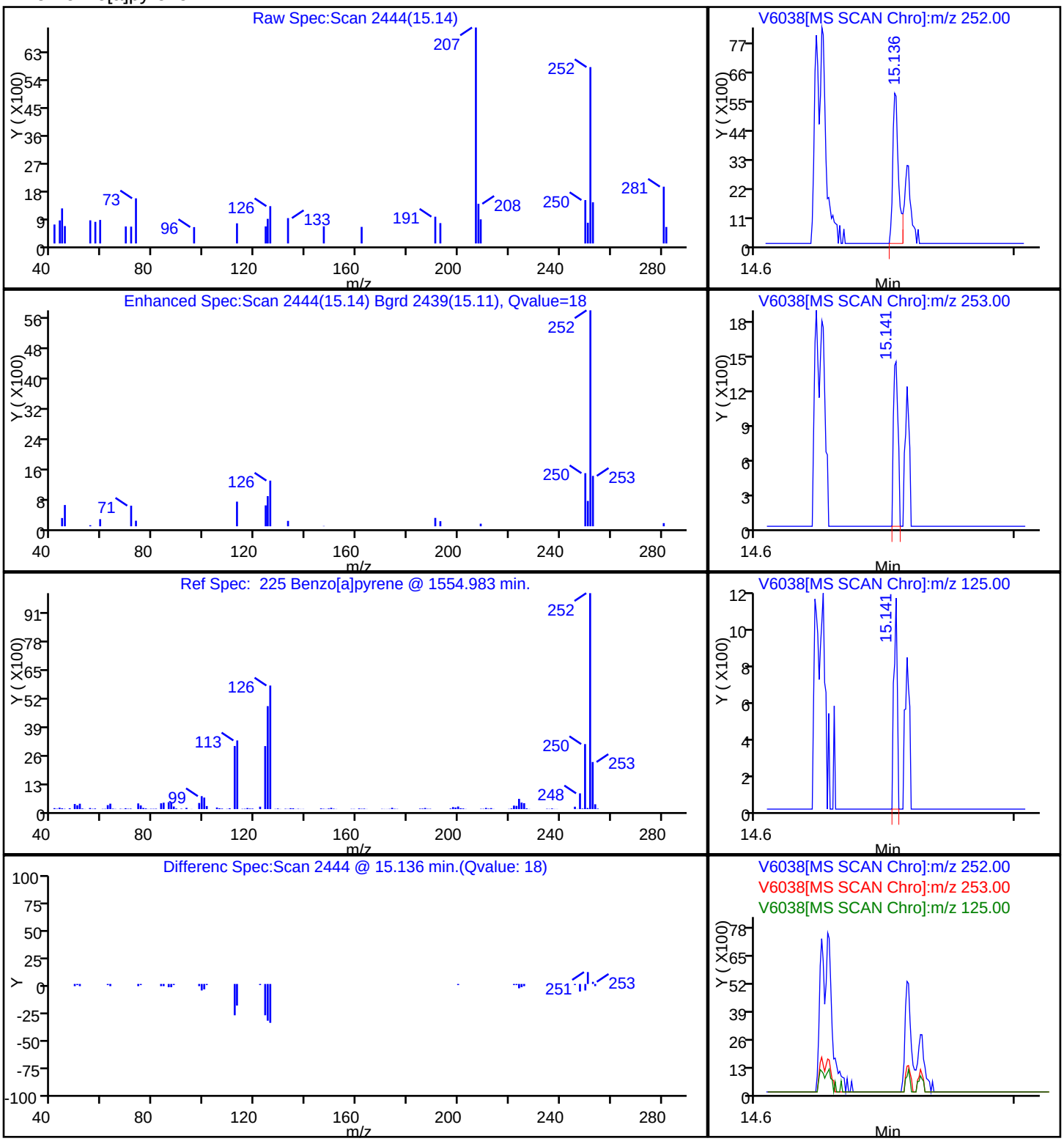


Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D

Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

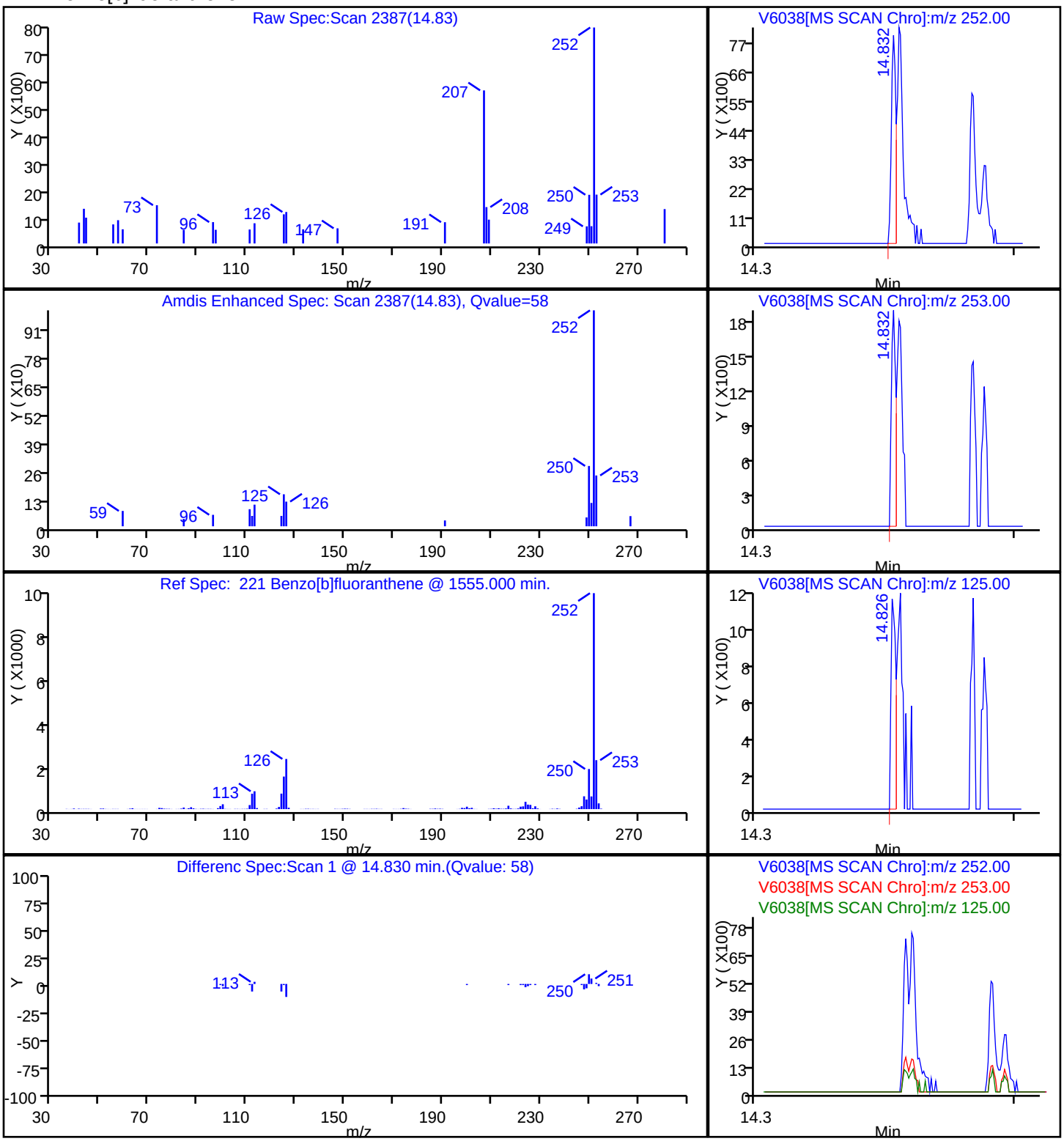
225 Benzo[a]pyrene



Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

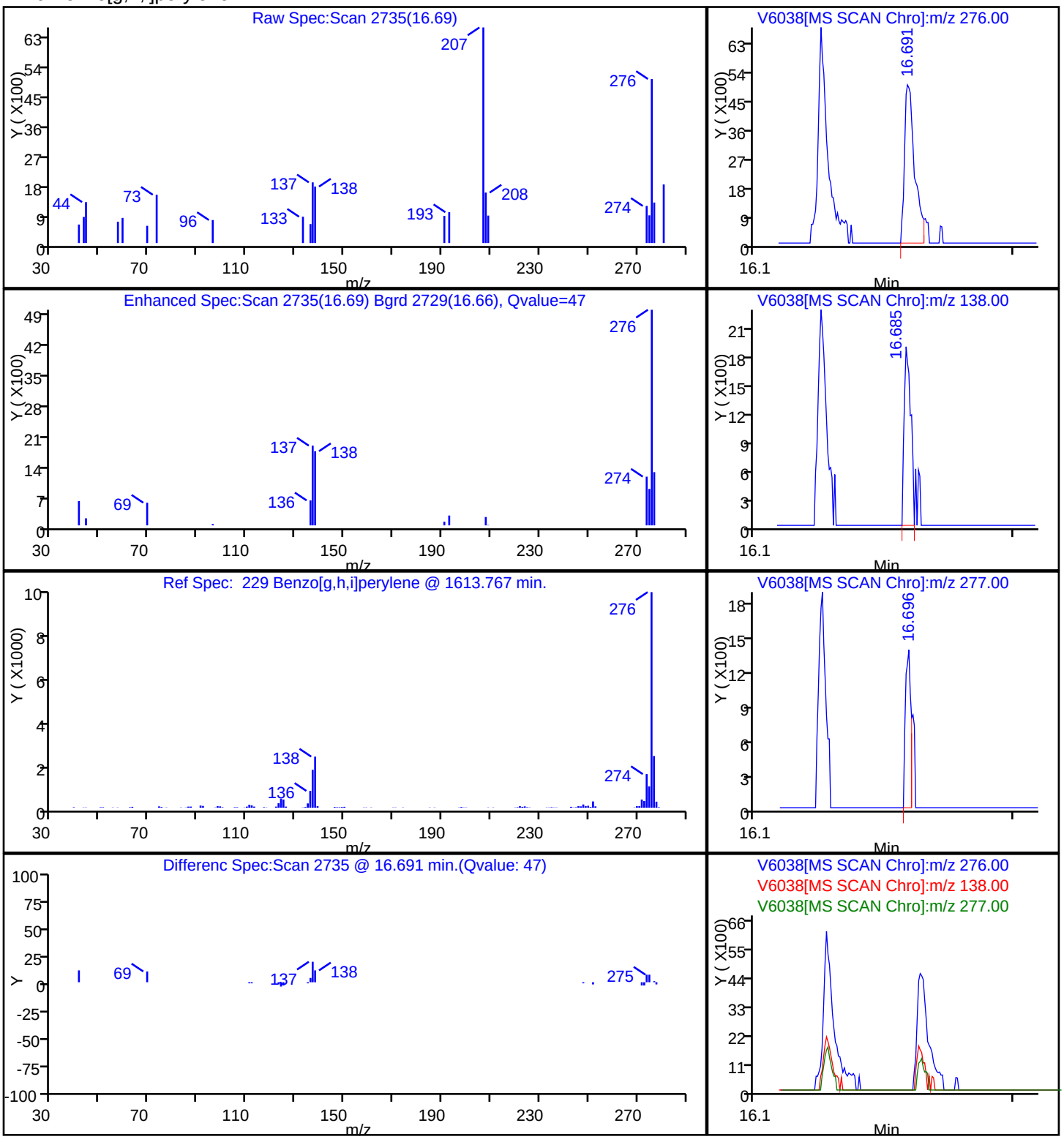
221 Benzo[b]fluoranthene



Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

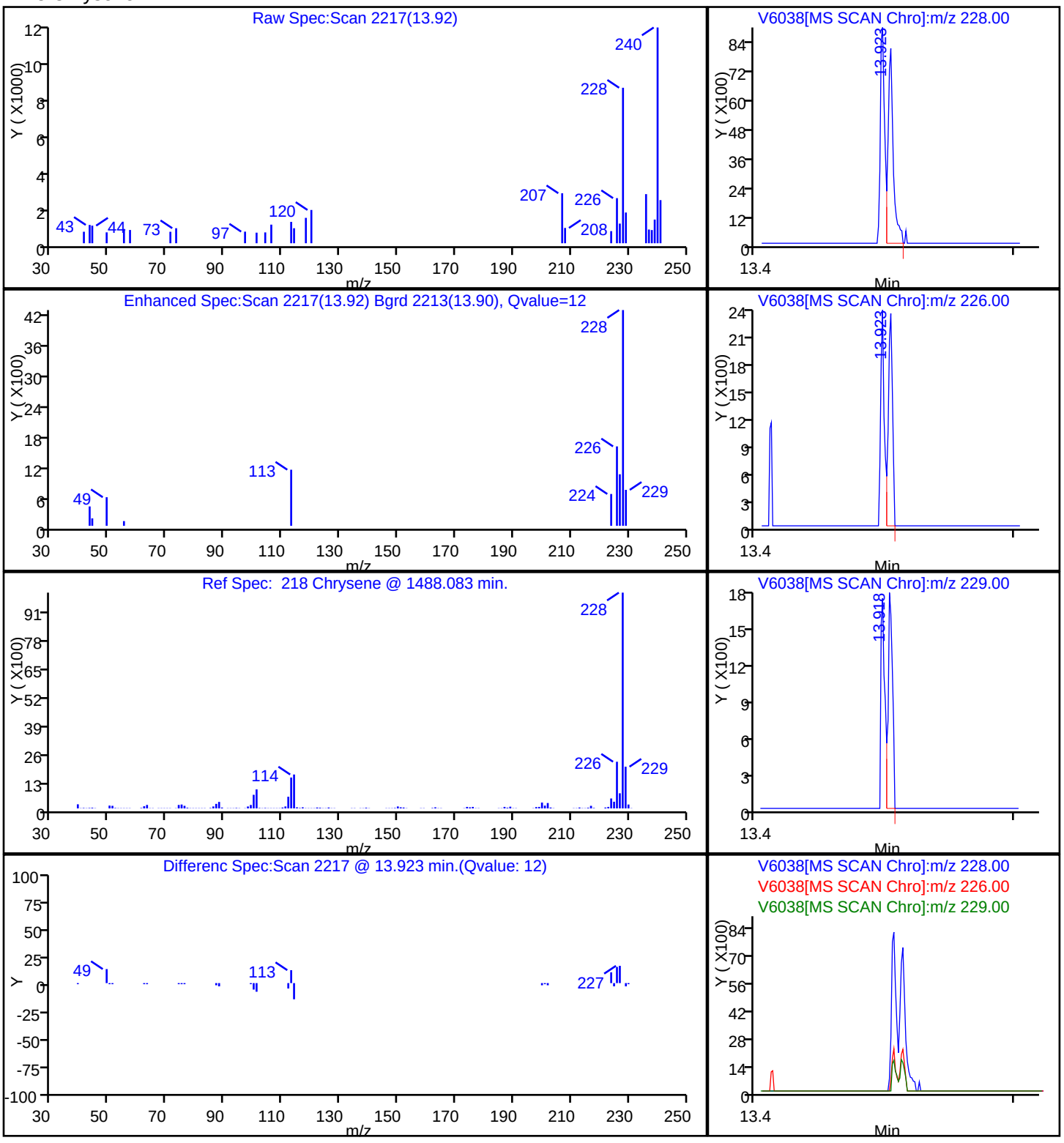
229 Benzo[g,h,i]perylene



Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

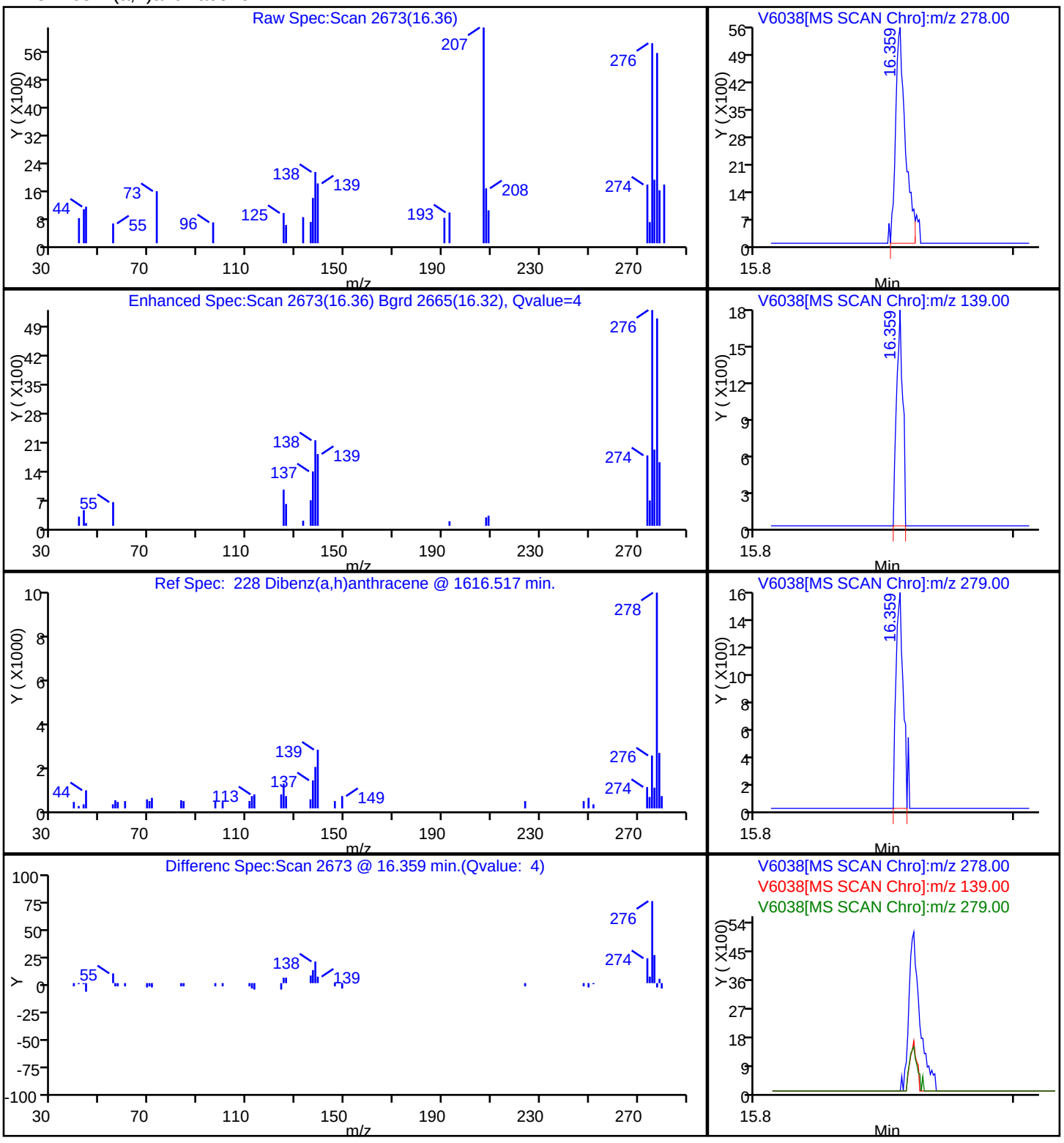
218 Chrysene



Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

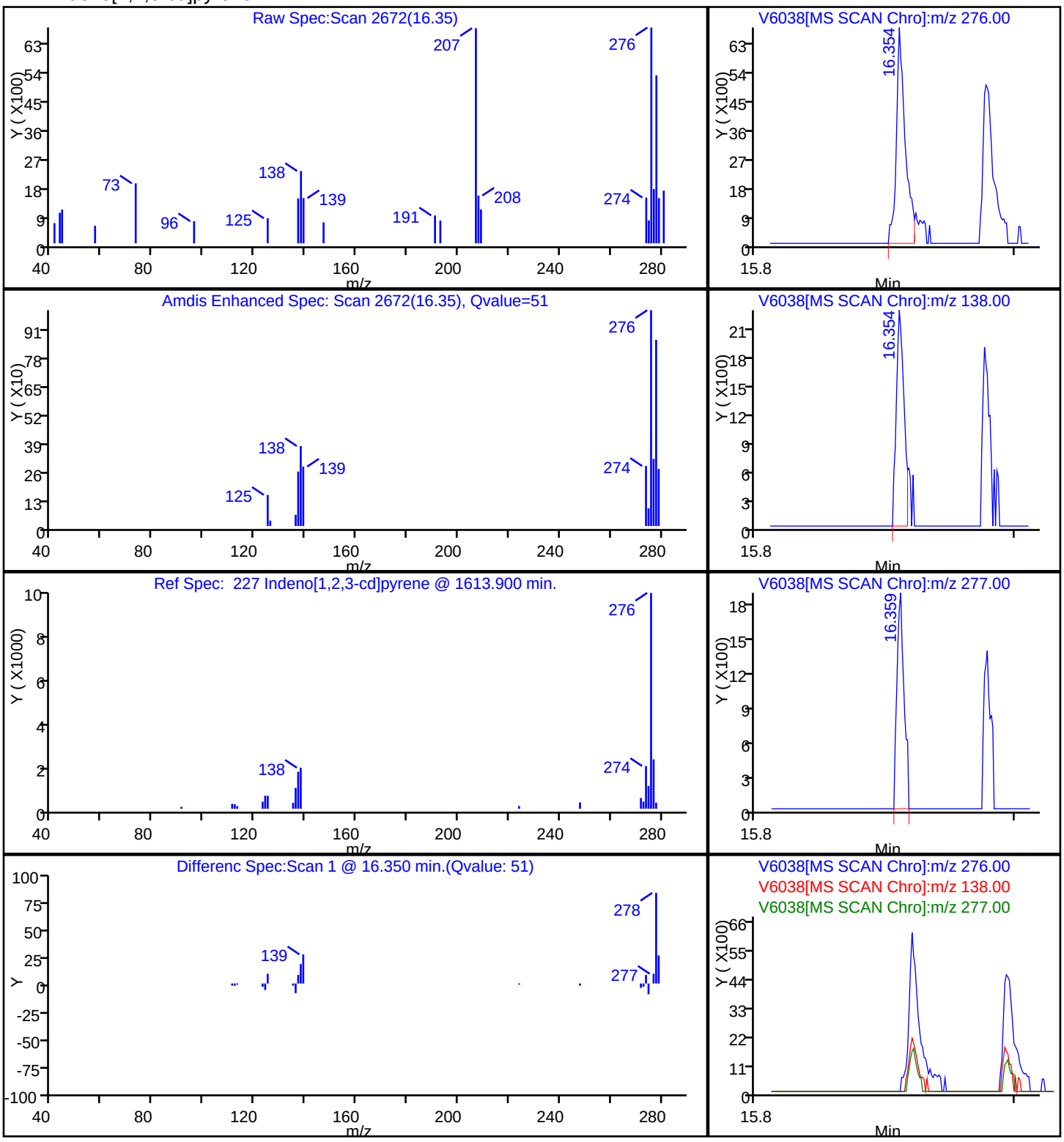
228 Dibenz(a,h)anthracene



Report Date: 19-Oct-2012 11:04:06 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6038.D		
Injection Date:	18-Oct-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-001	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

227 Indeno[1,2,3-cd]pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 | Lab Sample ID: 480-26562-16

Matrix: Water | Lab File ID: V6039.D

Analysis Method: 8270C | Date Collected: 10/11/2012 09:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 420(mL) | Date Analyzed: 10/18/2012 16:24

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.95
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.95
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.95
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.95
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.83
106-44-5	4-Methylphenol	ND		24	0.86
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.98
208-96-8	Acenaphthylene	ND		12	0.90
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	1.3	J	12	0.86
50-32-8	Benzo(a)pyrene	1.1	J	12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 | Lab Sample ID: 480-26562-16

Matrix: Water | Lab File ID: V6039.D

Analysis Method: 8270C | Date Collected: 10/11/2012 09:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 420(mL) | Date Analyzed: 10/18/2012 16:24

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	1.1	J B	12	0.81
191-24-2	Benzo(g,h,i)perylene	1.6	J B	12	0.83
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.83
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.95
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	1.3	J B	12	0.79
53-70-3	Dibenz(a,h)anthracene	7.0	J B	12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.86
84-74-2	Di-n-butyl phthalate	ND		12	0.74
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.95
86-73-7	Fluorene	ND		12	0.86
118-74-1	Hexachlorobenzene	ND	*	12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	J B	12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.69
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.93
129-00-0	Pyrene	ND		12	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 Lab Sample ID: 480-26562-16

Matrix: Water Lab File ID: V6039.D

Analysis Method: 8270C Date Collected: 10/11/2012 09:30

Extract. Method: 3510C Date Extracted: 10/17/2012 06:59

Sample wt/vol: 420(mL) Date Analyzed: 10/18/2012 16:24

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.: 86214 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	118		52-132
321-60-8	2-Fluorobiphenyl	105		48-120
367-12-4	2-Fluorophenol	83		20-120
4165-60-0	Nitrobenzene-d5	104		46-120
4165-62-2	Phenol-d5	72		16-120
1718-51-0	p-Terphenyl-d14	132		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-002 | Lab Sample ID: 480-26562-16

Matrix: Water | Lab File ID: V6039.D

Analysis Method: 8270C | Date Collected: 10/11/2012 09:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 420(mL) | Date Analyzed: 10/18/2012 16:24

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.: 86214 | Units: ug/L

Number TICs Found: 9 | TIC Result Total: 282

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.52	30	T J
	Unknown	5.85	18	T J
	Unknown	9.74	38	T J
115-44-6	Talbutal	11.07	41	T J N
	Unknown	11.71	15	T J
115-38-8	Mephobarbital	11.94	31	T J N
50-6-6	Phenobarbital	12.22	45	T J N
	Unknown	12.26	38	T J
519-98-2	3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimeth	13.44	26	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Lims ID:	480-26562-A-16-A	Client ID:	GW-007830-101112-002
Inject. Date:	18-Oct-2012 16:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-015		
Misc. Info.:	480-26562-A-16-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	86214	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 11:12:24	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 11:12:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.745	-0.005	92	159897	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	620632	40.0	
* 3 Acenaphthene-d10	164	9.693	9.692	0.001	91	369731	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	657834	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	676323	40.0	
* 6 Perylene-d12	264	15.184	15.190	-0.006	98	777523	40.0	
$ 7 2-Fluorophenol	112	3.976	3.976	0.0	87	575923	124.4	
$ 8 Phenol-d5	99	5.274	5.274	0.0	92	594574	107.4	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	85	429406	104.4	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	99	1147841	105.5	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	91	247643	177.5	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	1752862	131.5	
80 Benzaldehyde	77		5.157					9
81 Phenol	94		5.296					9
83 Bis(2-chloroethyl)ether	93		5.397					9
84 2-Chlorophenol	128		5.461					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
91 1,2-Dichlorobenzene	146		5.969					
92 2-Methylphenol	108		6.108					9
93 2,2'-oxybis[1-chloropropane]	45		6.129					
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					9
99 Hexachloroethane	117		6.412					
102 Nitrobenzene	77		6.514					9
106 Isophorone	82		6.834					9
107 2-Nitrophenol	139		6.936					
108 2,4-Dimethylphenol	107		7.021					
111 Bis(2-chloroethoxy)methane	93		7.139					
114 2,4-Dichlorophenol	162		7.262					
117 1,2,4-Trichlorobenzene	180		7.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
118 Naphthalene	128		7.454					9
119 4-Chloroaniline	127		7.545					9
121 Hexachlorobutadiene	225		7.630					
129 4-Chloro-3-methylphenol	107		8.202					9
131 2-Methylnaphthalene	142		8.362					9
134 Hexachlorocyclopentadiene	237		8.565					
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					9
146 Dimethyl phthalate	163		9.383					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					9
156 2,4-Dinitrotoluene	165		9.970					
161 Diethyl phthalate	149		10.269					9
162 Fluorene	166		10.371					9
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
175 4-Bromophenyl phenyl ether	248		10.937					
179 Hexachlorobenzene	284		11.001					
183 Pentachlorophenol	266		11.226					
188 Phenanthrene	178		11.439					9
189 Anthracene	178		11.493					9
192 Carbazole	167		11.669					9
195 Di-n-butyl phthalate	149		12.022					9
201 Fluoranthene	202	12.615	12.615	0.0	0	2660	0.1457	
204 Pyrene	202		12.823					9
210 Butyl benzyl phthalate	149	13.389	13.395	-0.006	1	2260	0.2979	
215 3,3'-Dichlorobenzidine	252		13.865					9
216 Bis(2-ethylhexyl) phthalate	149		13.881					9
217 Benzo[a]anthracene	228	13.892	13.891	0.001	62	9976	0.5564	
218 Chrysene	228	13.924	13.923	0.001	25	9534	0.5387	M
220 Di-n-octyl phthalate	149		14.415					9
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	37	8712	0.4643	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	43	11485	0.5571	
225 Benzo[a]pyrene	252	15.142	15.136	0.006	6	7678	0.4530	
227 Indeno[1,2,3-cd]pyrene	276	16.354	16.344	0.011	63	11635	0.6557	
228 Dibenz(a,h)anthracene	278	16.354	16.344	0.011	1	7970	2.95	
229 Benzo[g,h,i]perylene	276	16.691	16.675	0.016	32	9450	0.6615	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Lims ID:	480-26562-A-16-A	Client ID:	GW-007830-101112-002
Inject. Date:	18-Oct-2012 16:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-015		
Misc. Info.:	480-26562-A-16-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	86214	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 11:12:24	Calib Date:	16-Oct-2012 14:05:30
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:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 11:12:24

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.362	514	0.0556	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.517	282675	12.7	1			
	Unknown					
5.846	168629	7.57	1			
	Unknown					
9.735	579909	16.2	3			
115-44-6	Talbutal					
11.065	688159	17.4	4	91	124670	
	Unknown					
11.707	248156	6.27	4			
115-38-8	Mephobarbital					
11.936	517082	13.1	4	97	126830	
50-6-6	Phenobarbital					
12.219	752659	19.0	4	99	84015	
	Unknown					
12.257	623443	15.8	4			
519-98-2	3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimeth					
13.437	487353	11.0	5	93	15381	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.739	891534	40.0
* 3 Acenaphthene-d10	9.693	1435187	40.0
* 4 Phenanthrene-d10	11.413	1582202	40.0
* 5 Chrysene-d12	13.897	1773278	40.0

QC Flag Legend

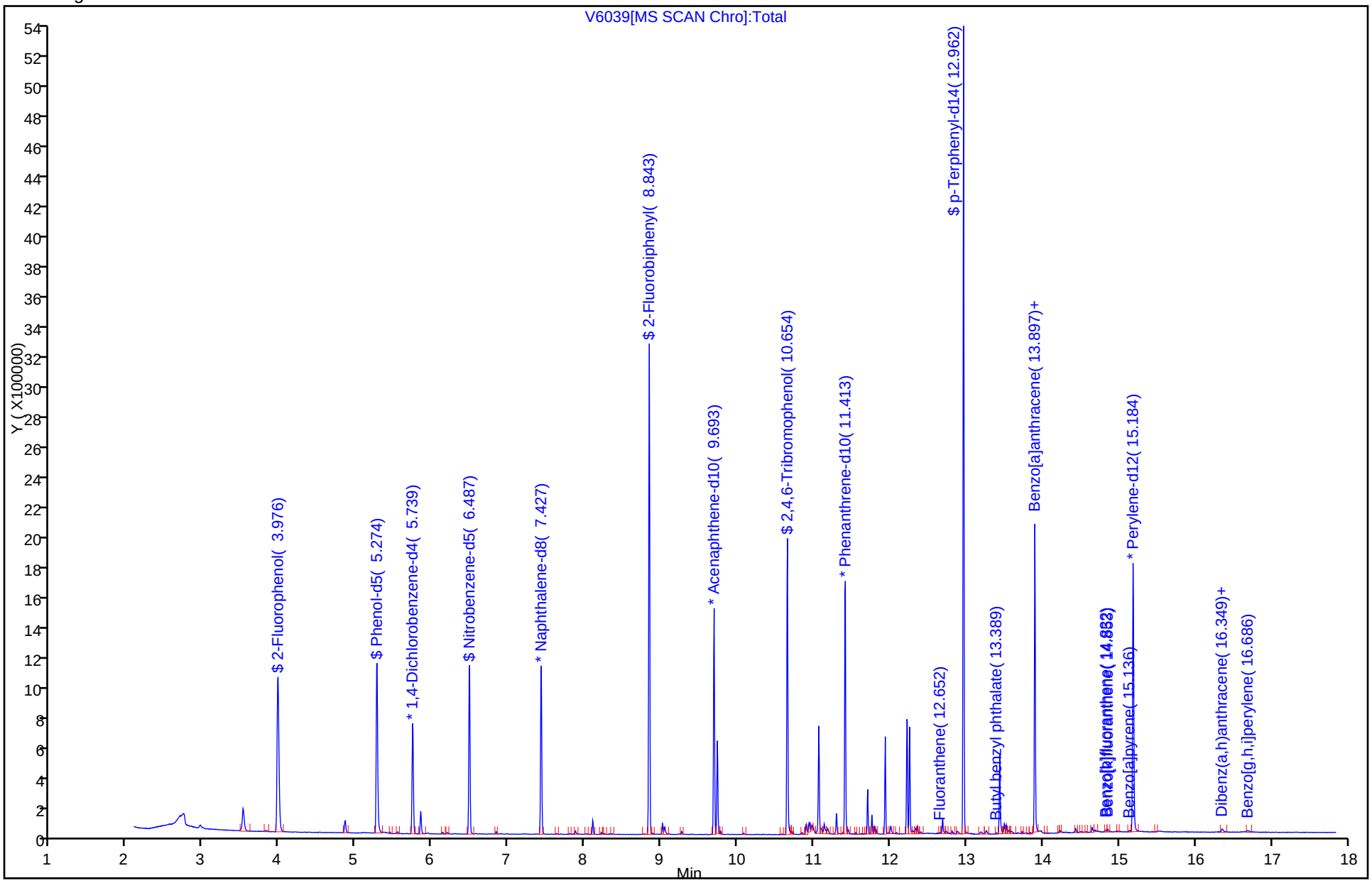
Processing Flags

Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

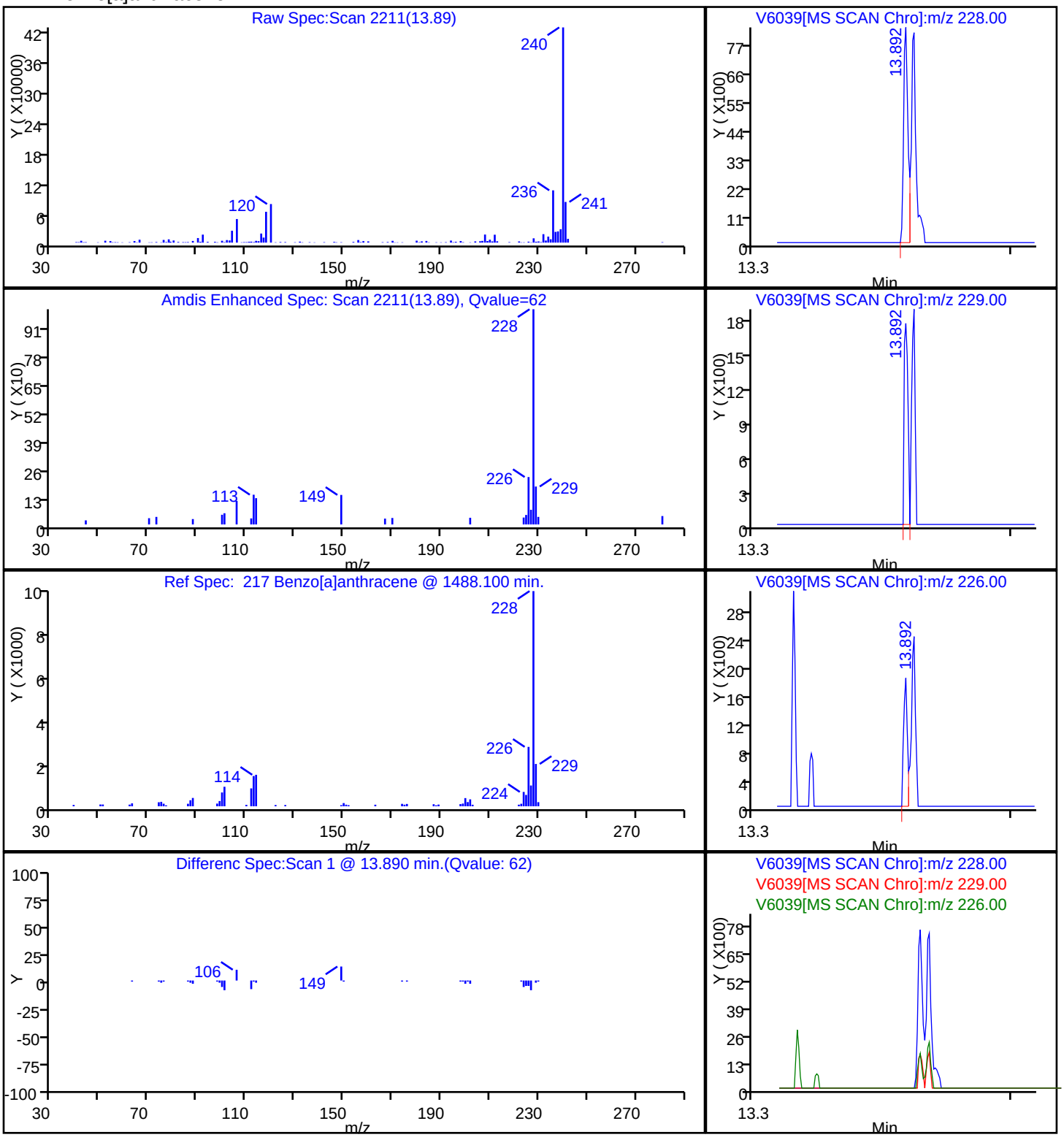


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]anthracene

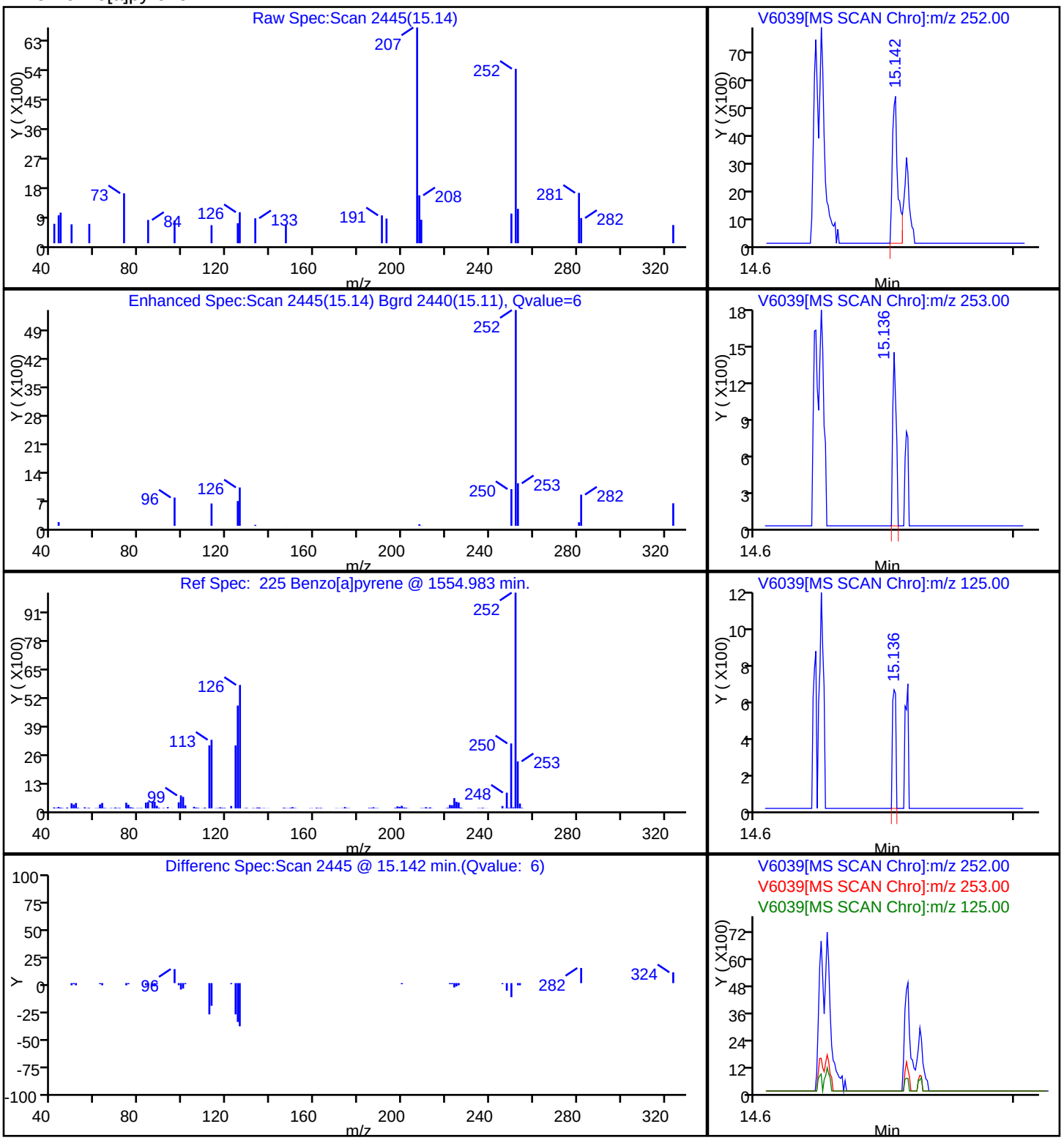


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

225 Benzo[a]pyrene

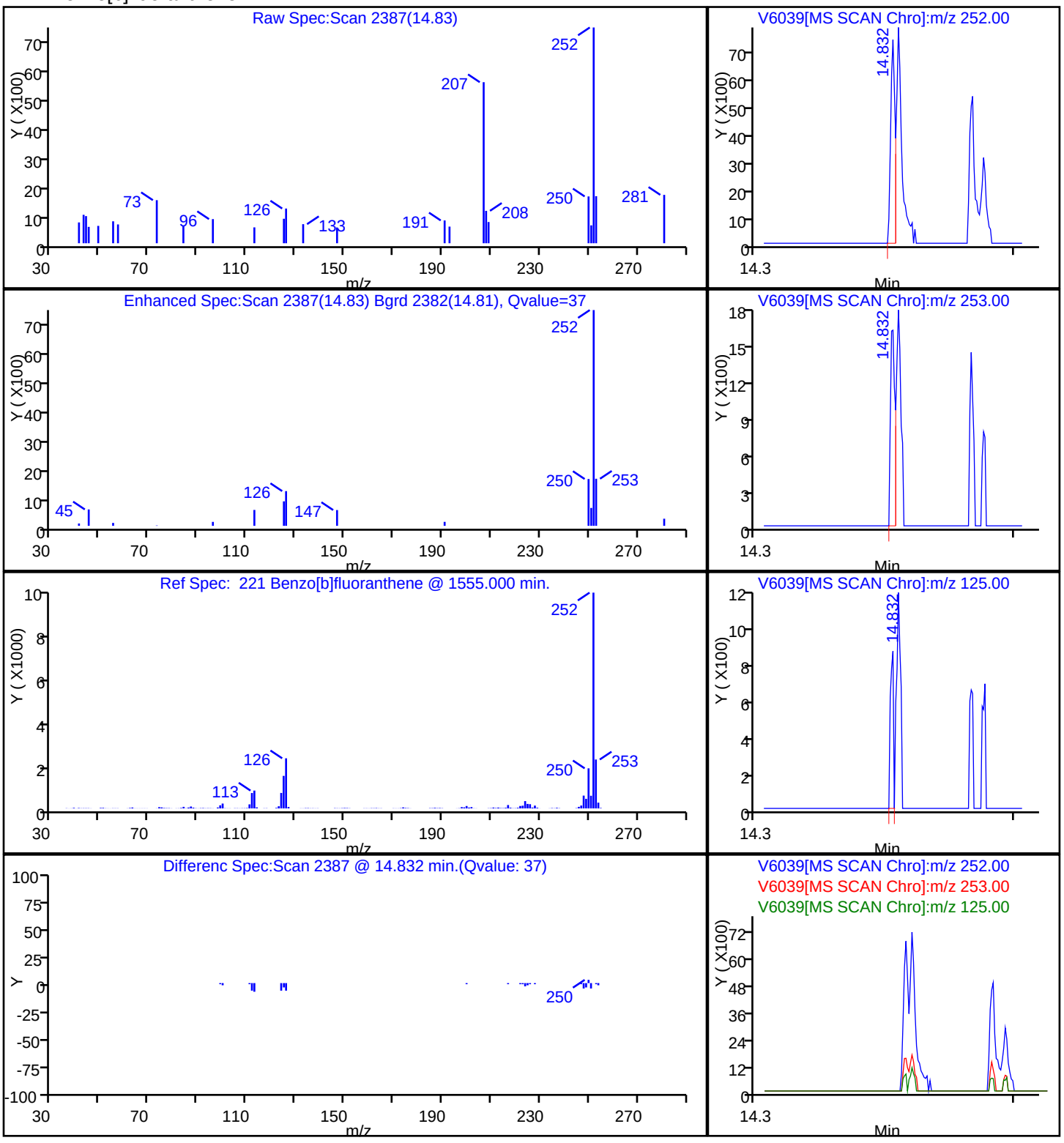


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[b]fluoranthene

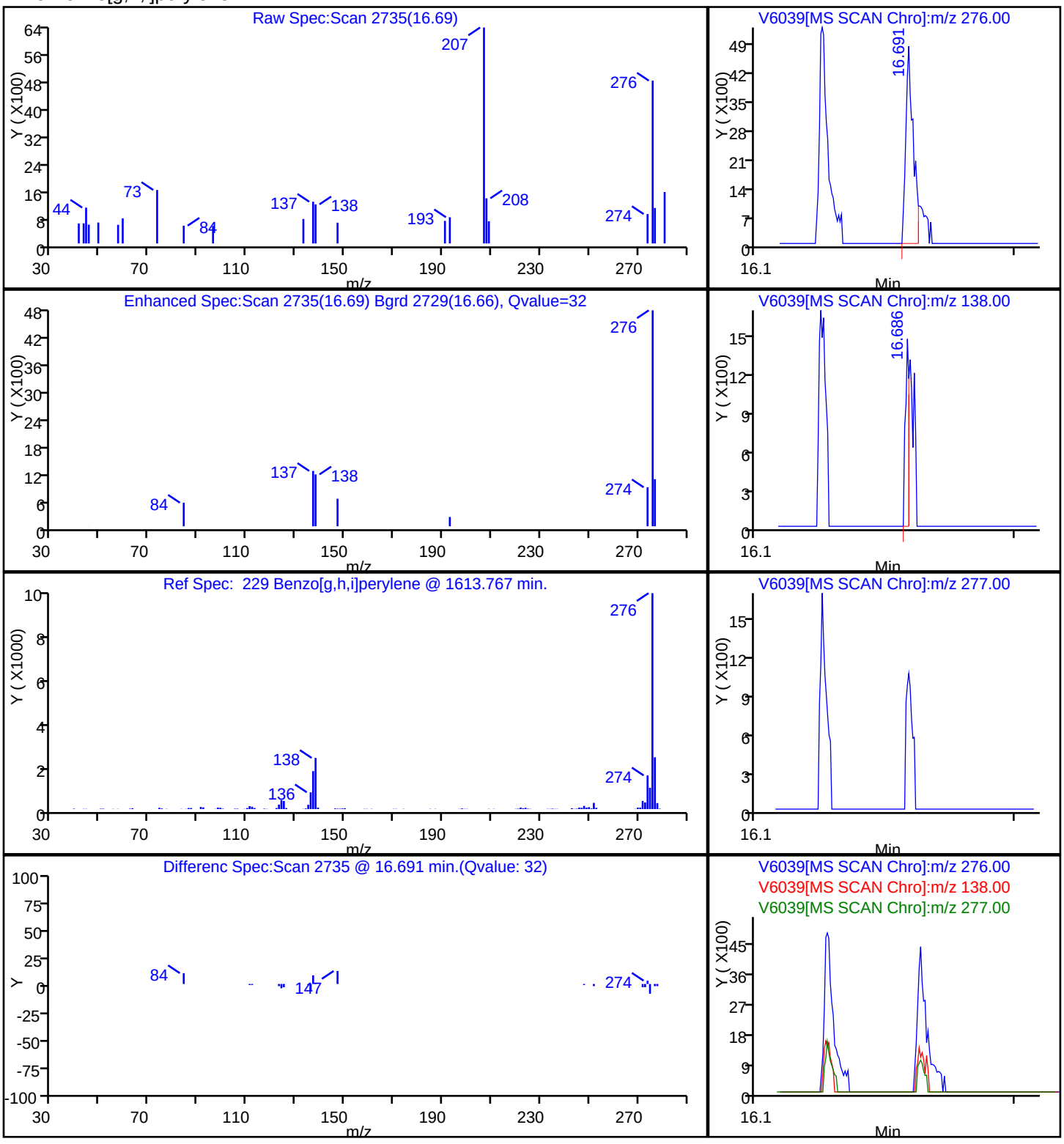


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

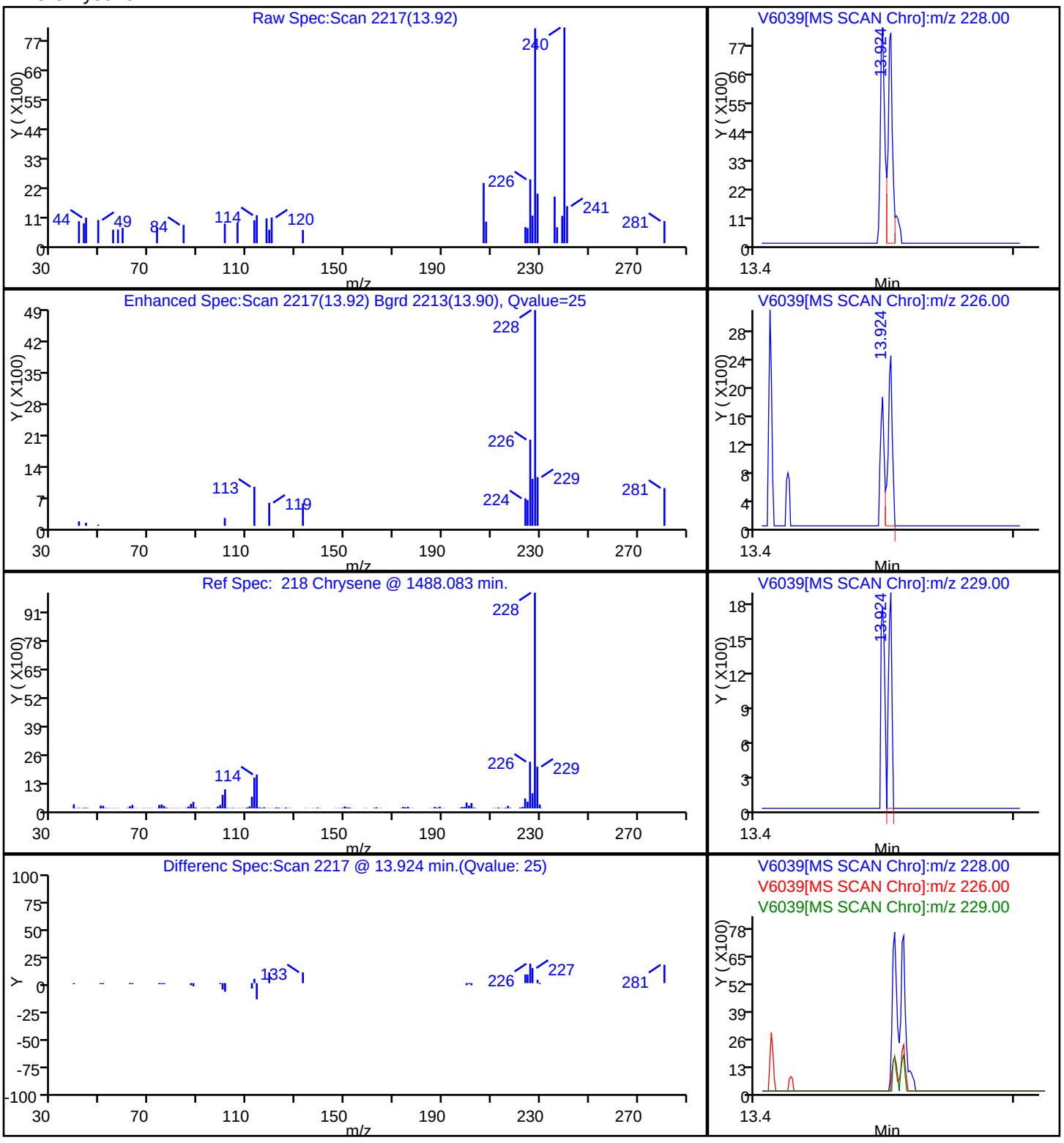
229 Benzo[g,h,i]perylene



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

218 Chrysene

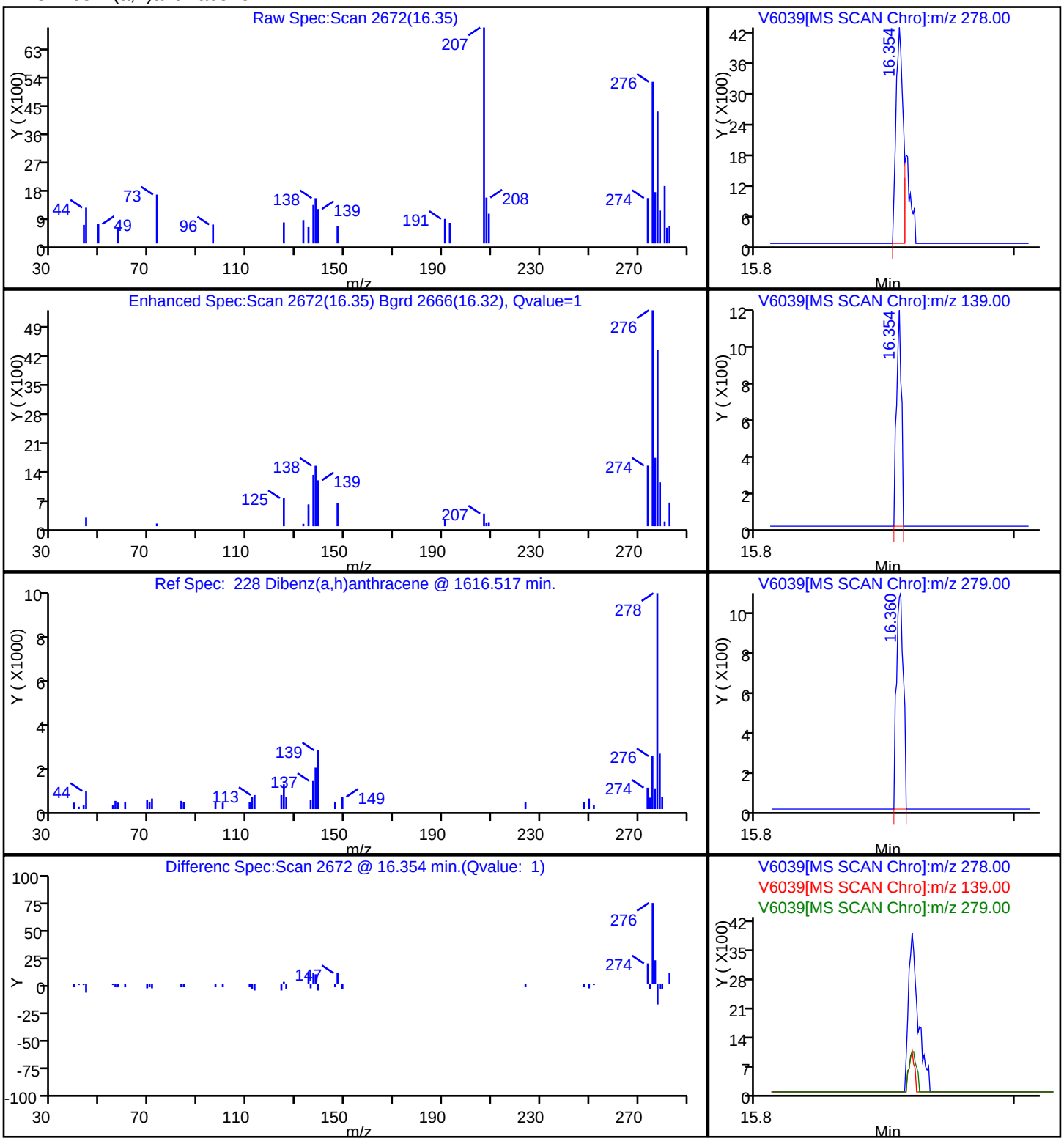


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

228 Dibenz(a,h)anthracene

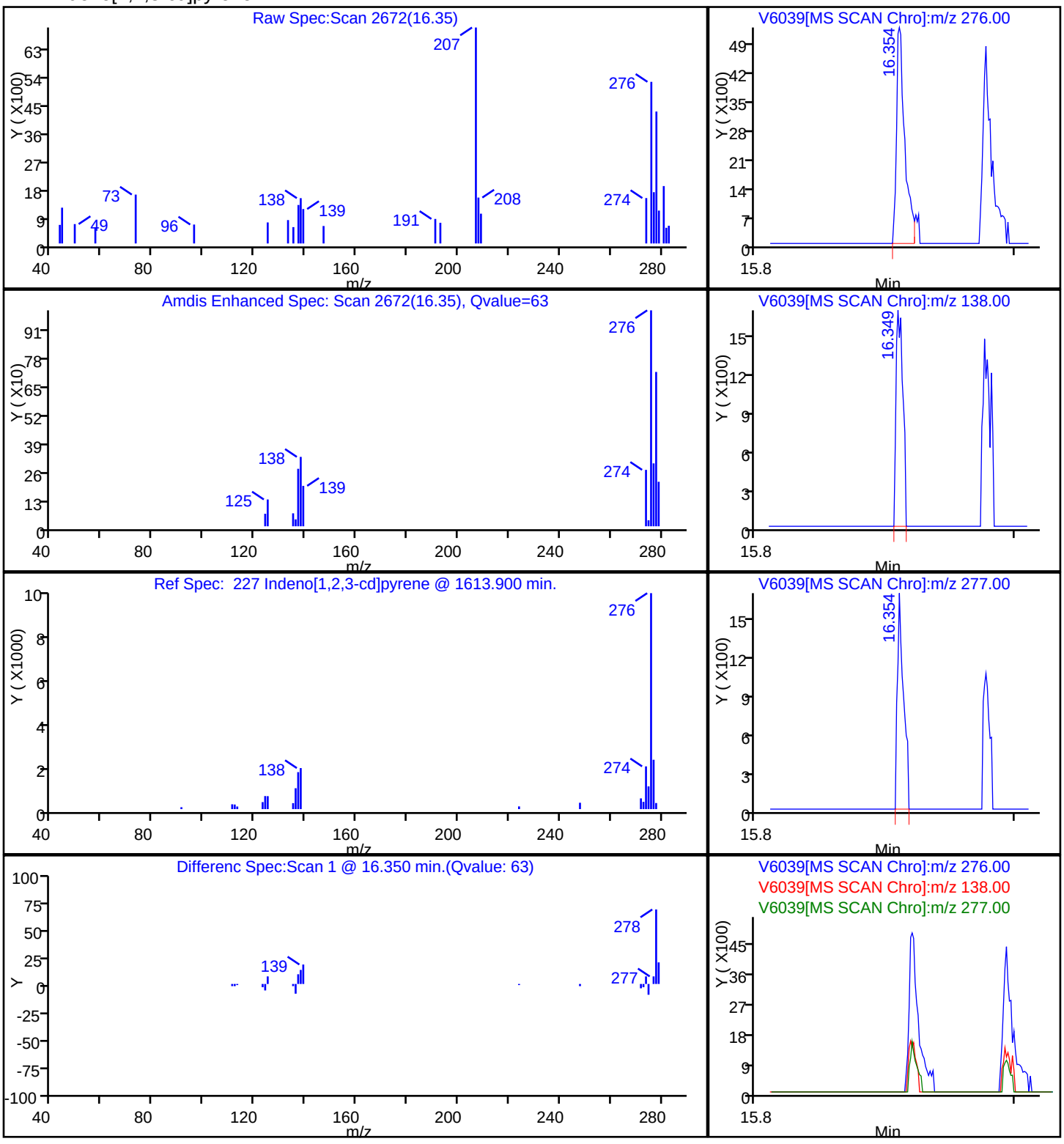


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

227 Indeno[1,2,3-cd]pyrene



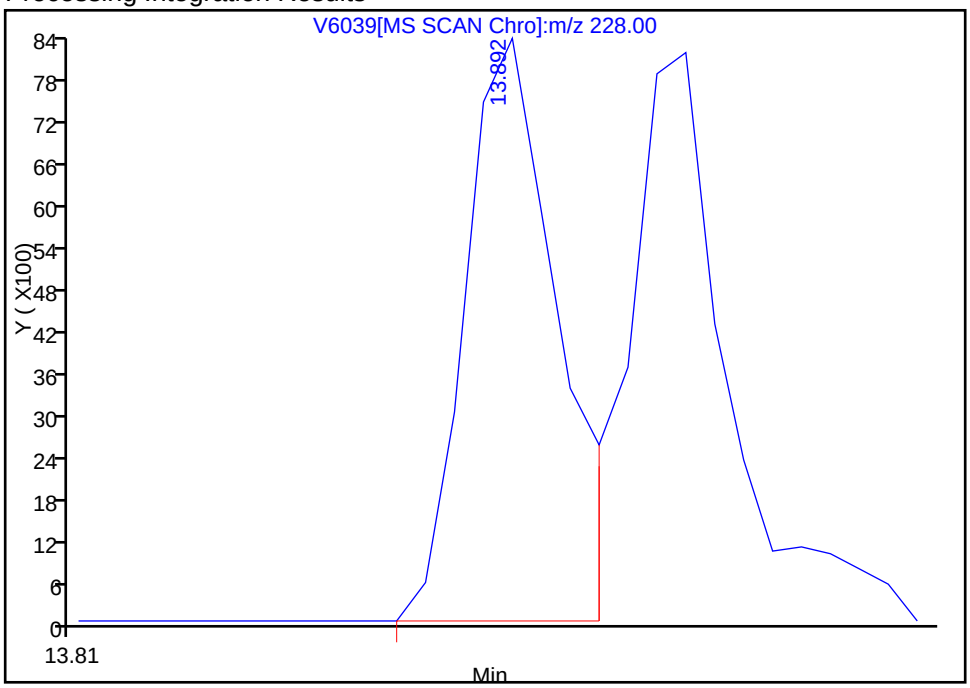
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

218 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 13.92

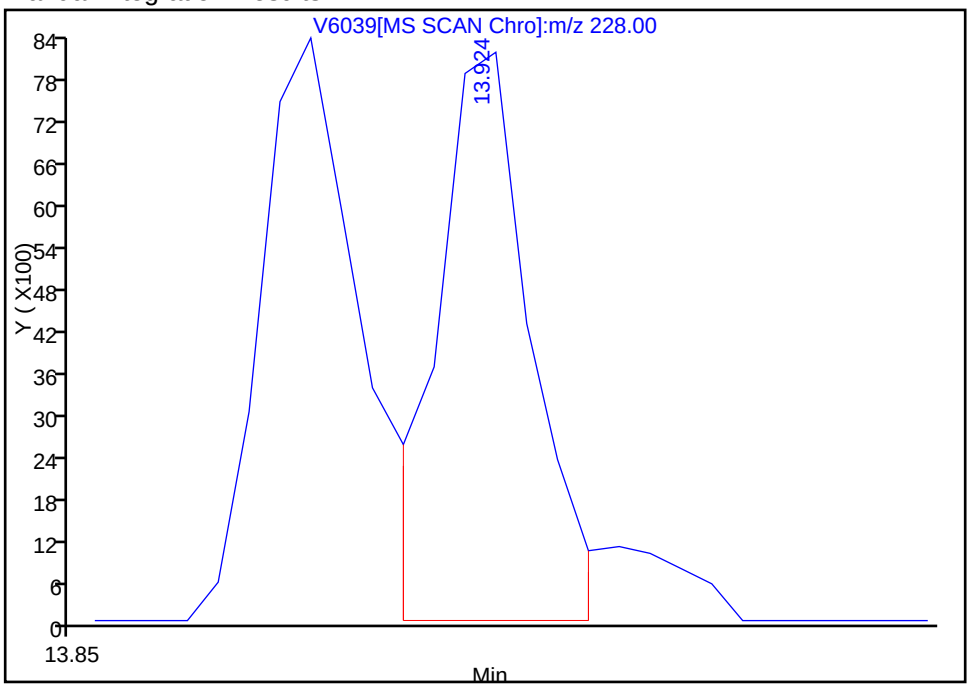
Processing Integration Results

RT: 13.89
Response: 9976
Amount: 0.563707



Manual Integration Results

RT: 13.92
Response: 9534
Amount: 0.538731

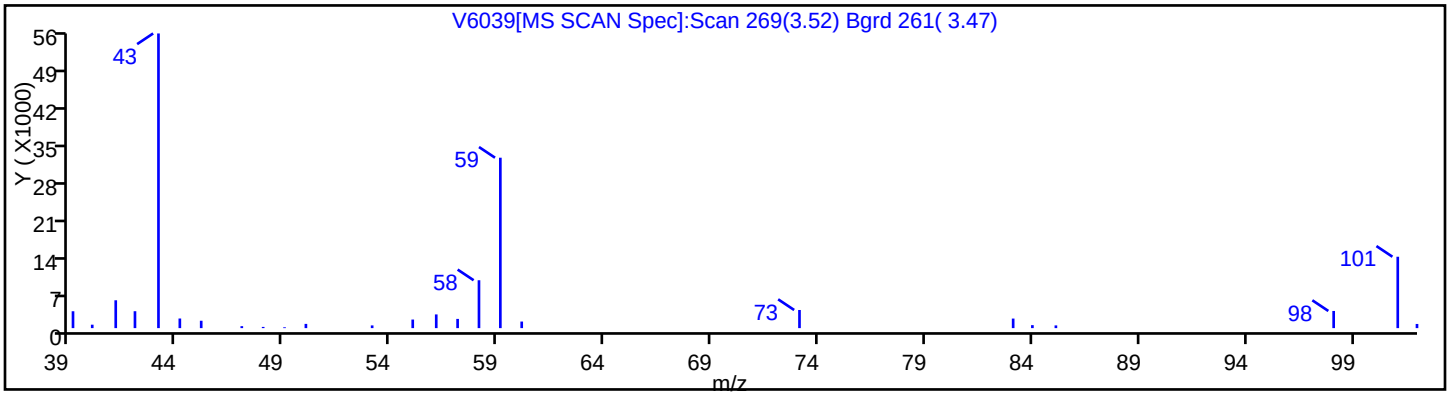


Reviewer: lyh, 18-Oct-2012 16:48:00
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

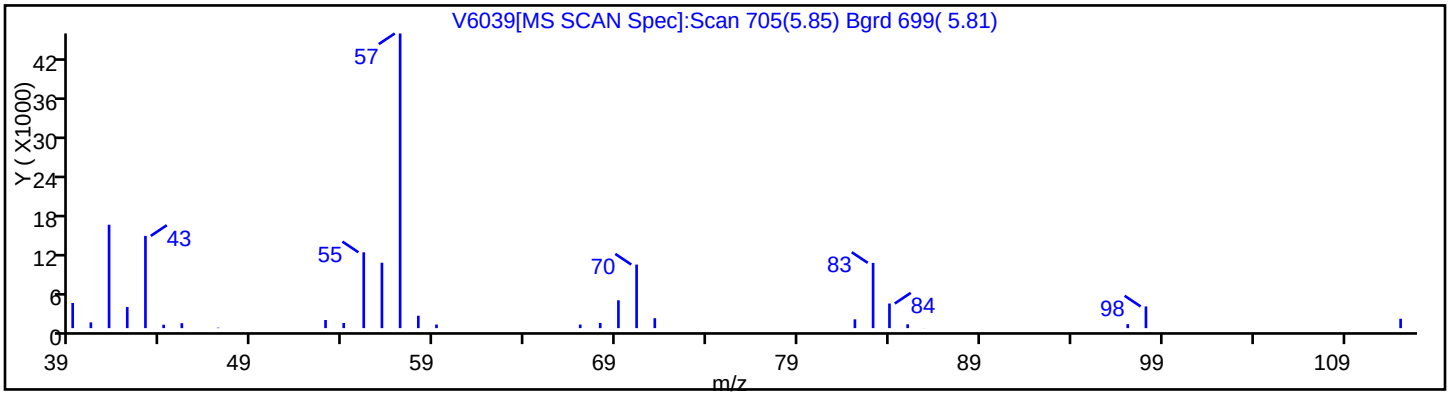
No Library Matches Found above the Threshold: 85



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

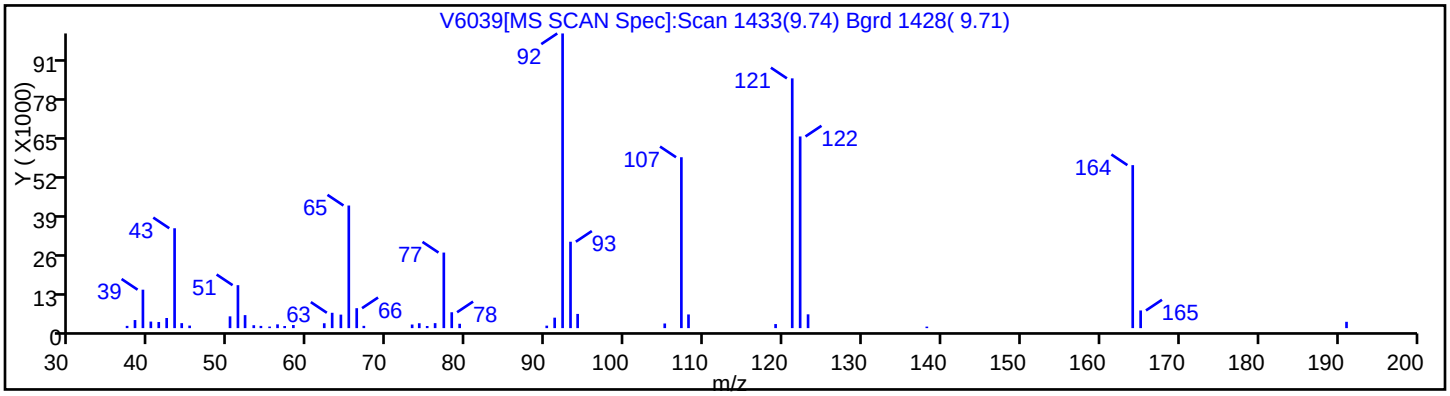
No Library Matches Found above the Threshold: 85



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

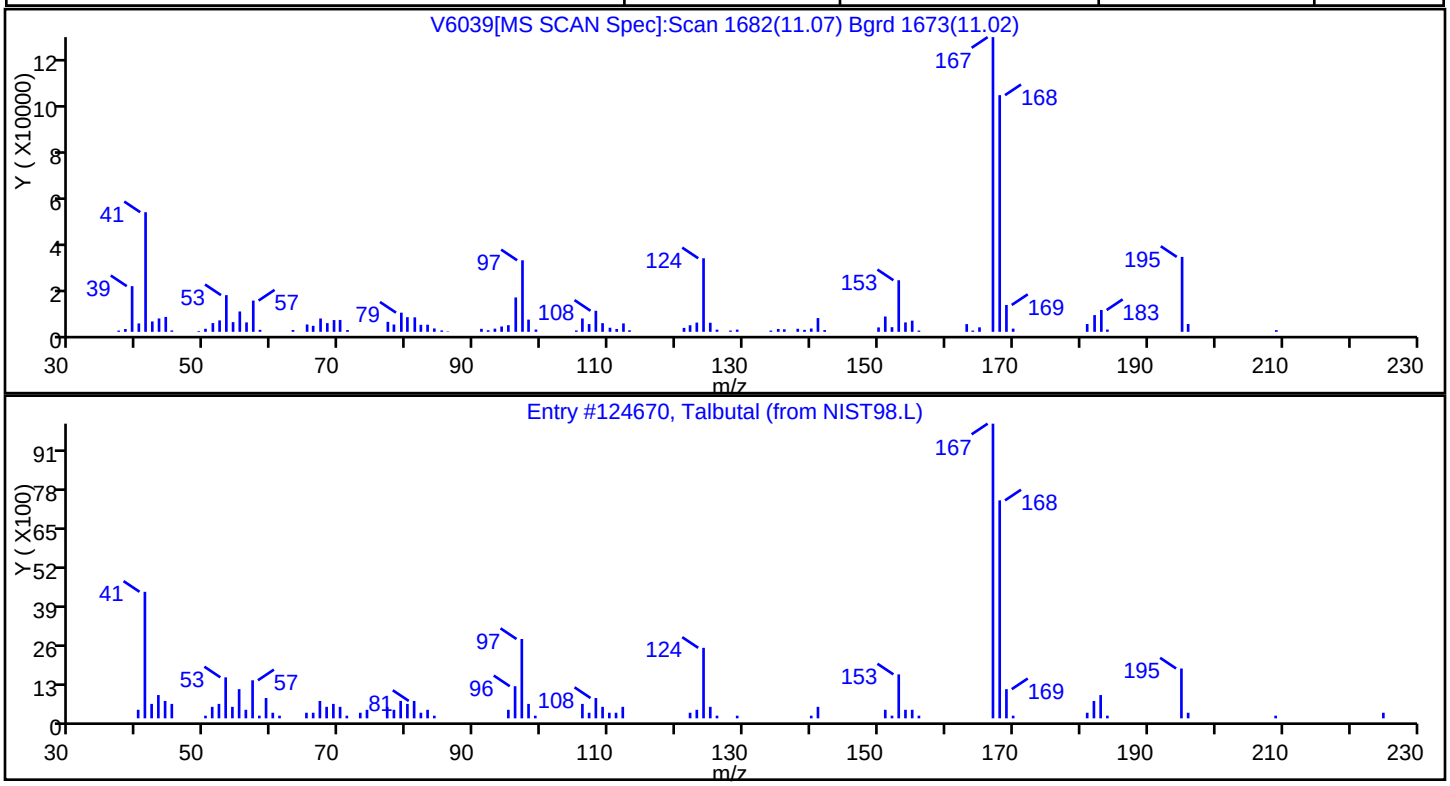


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

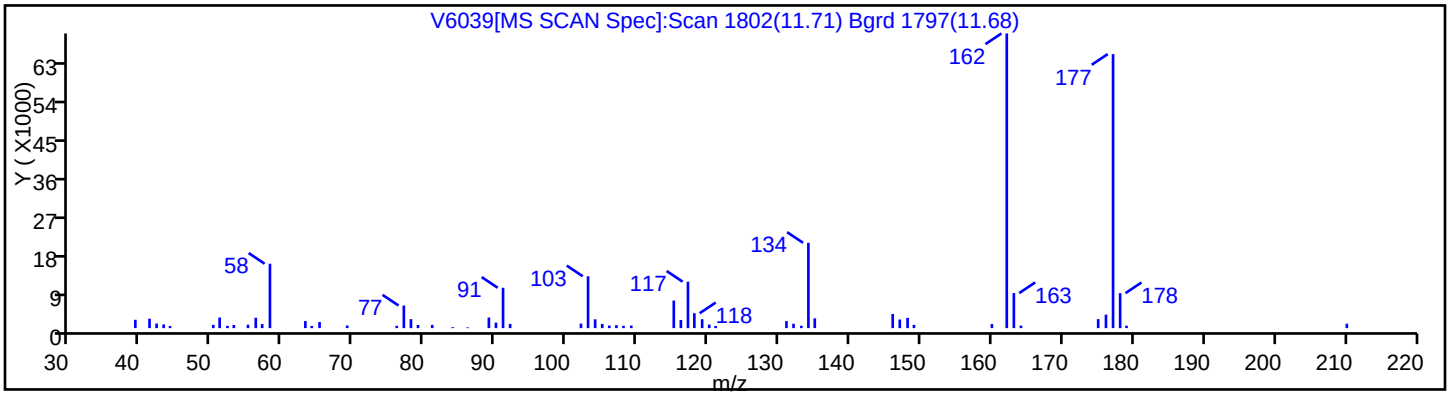
Library Search Compound Match	CAS Number	Library	Entry	Quality
Talbutal	115-44-6	NIST98.L	124670	91



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

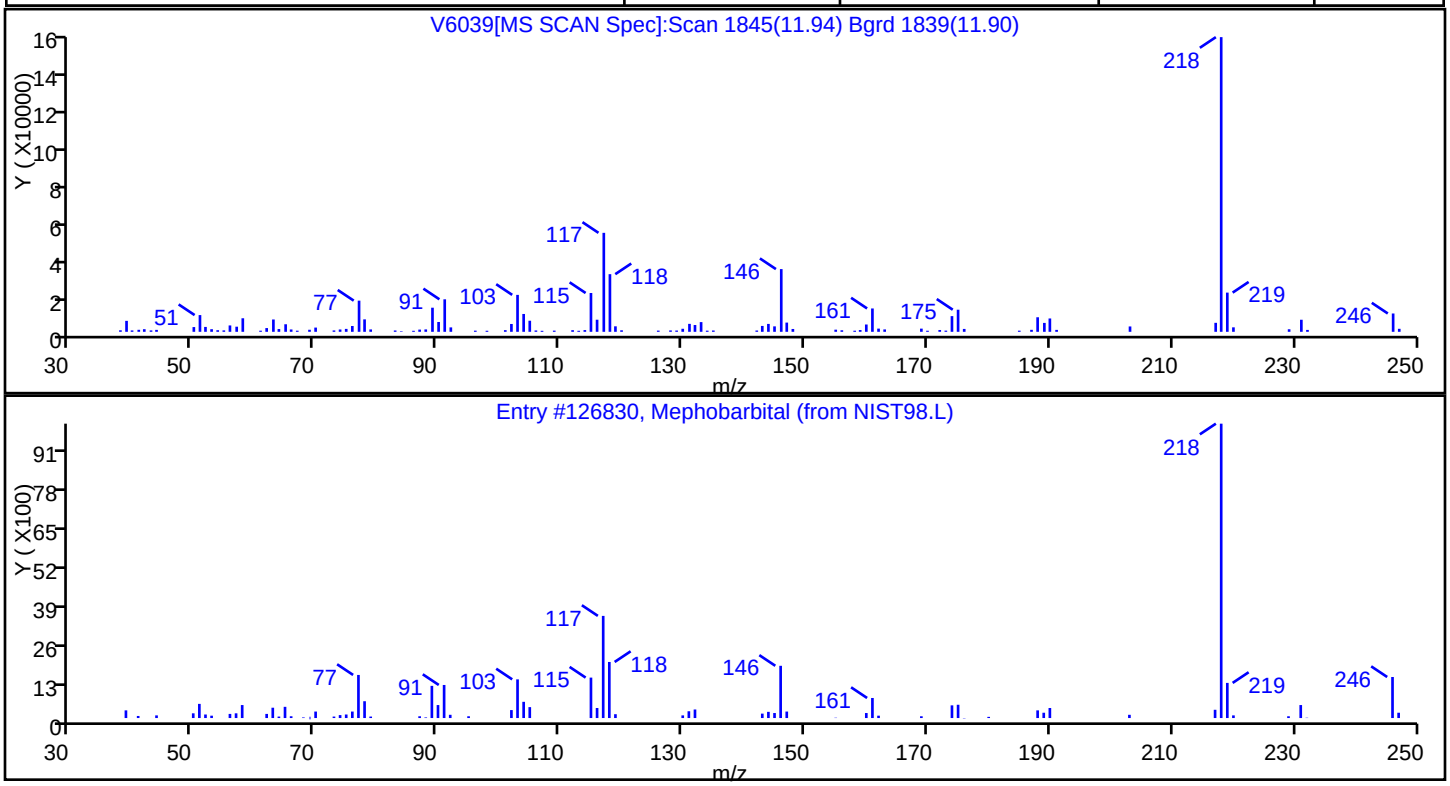


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Mephobarbital	115-38-8	NIST98.L	126830	97

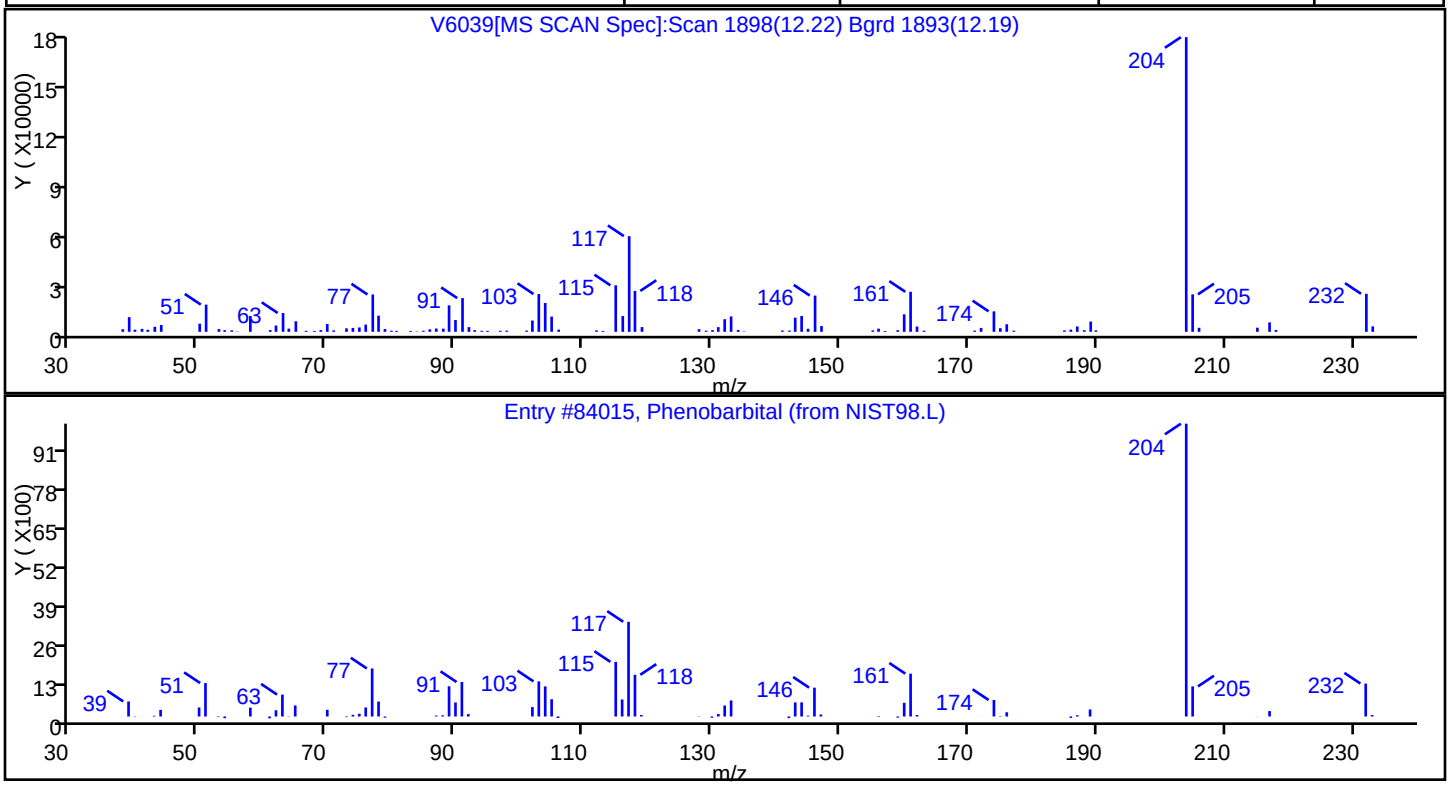


Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D

Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

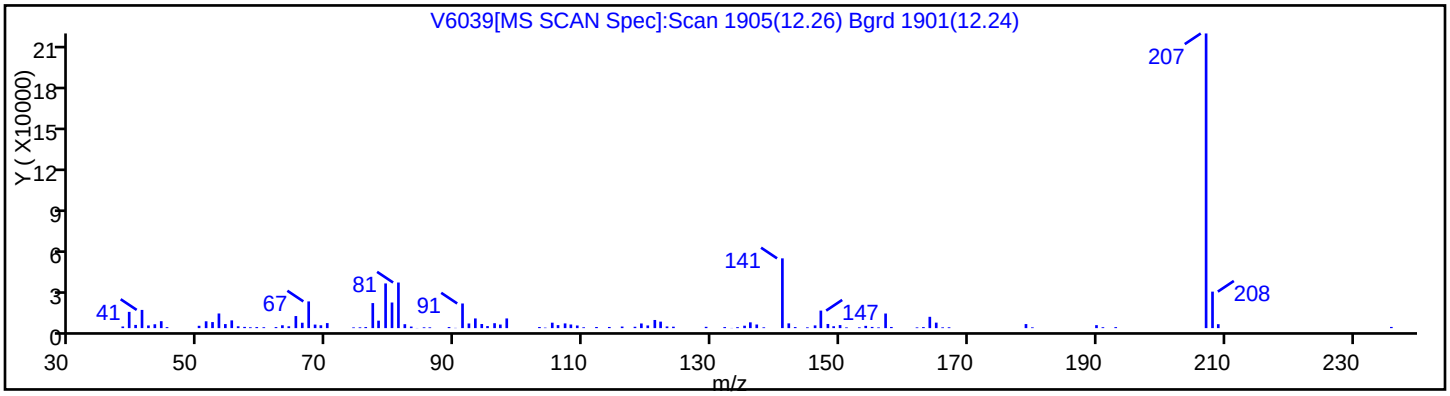
Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenobarbital	50-6-6	NIST98.L	84015	99



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

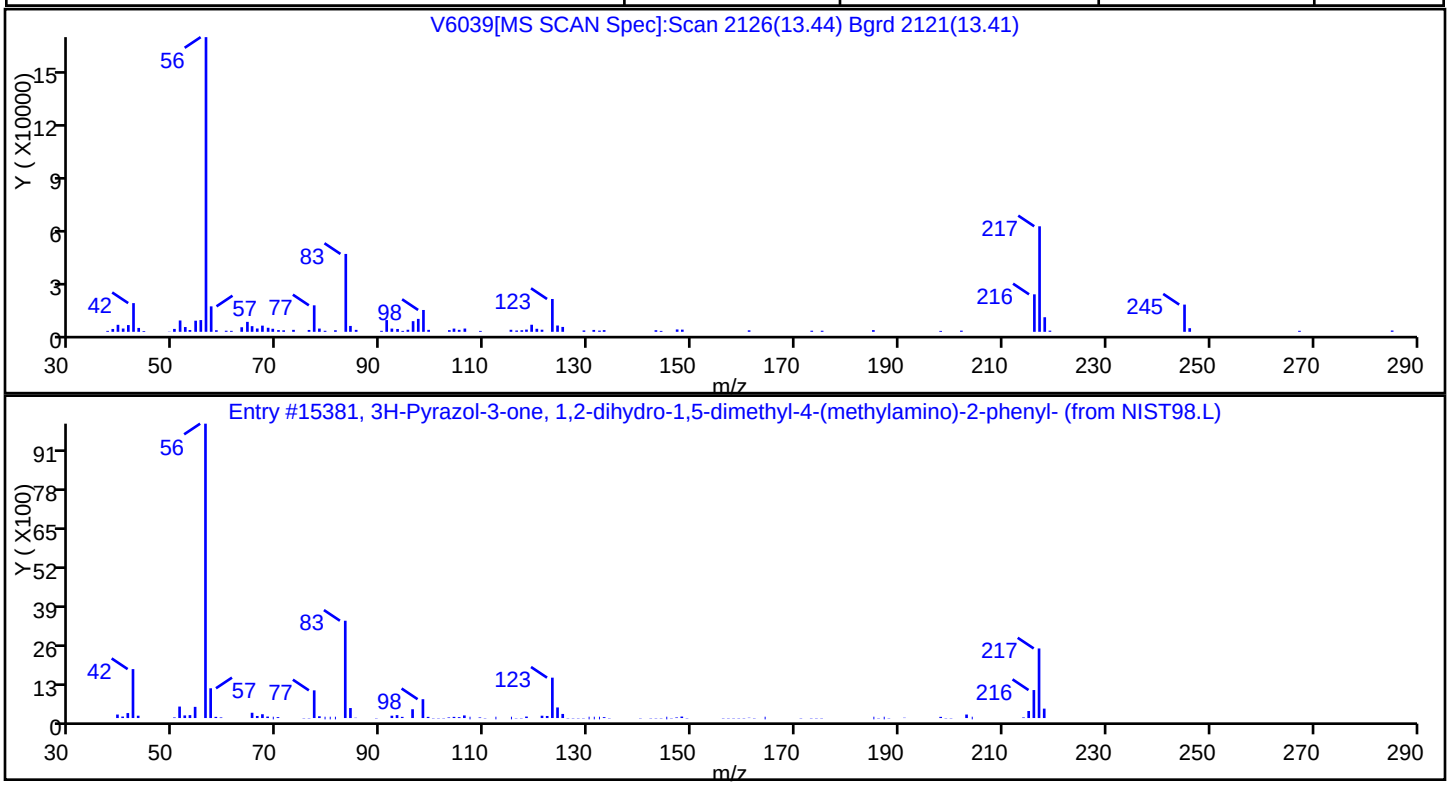
Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D		
Injection Date:	18-Oct-2012 16:24:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-002	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 19-Oct-2012 11:12:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6039.D
Injection Date: 18-Oct-2012 16:24:30 Limit Group: MB - 8270C ICAL
Client ID: GW-007830-101112-002 Instrument ID: HP5973V
Lims Batch ID: 86214 Lims Sample ID: 15
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
3H-Pyrazol-3-one, 1,2-dihydro-1,5-dimeth	519-98-2	NIST98.L	15381	93



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 | Lab Sample ID: 480-26562-17

Matrix: Water | Lab File ID: V6040.D

Analysis Method: 8270C | Date Collected: 10/11/2012 10:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 415(mL) | Date Analyzed: 10/18/2012 16:48

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.1
95-50-1	1,2-Dichlorobenzene	ND		24	0.96
541-73-1	1,3-Dichlorobenzene	ND		24	1.2
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.3
95-95-4	2,4,5-Trichlorophenol	ND		12	1.2
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.96
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.96
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.2
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.96
99-09-2	3-Nitroaniline	ND		24	1.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.3
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.84
106-44-5	4-Methylphenol	ND		24	0.87
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.7
83-32-9	Acenaphthene	ND		12	0.99
208-96-8	Acenaphthylene	ND		12	0.92
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	1.2	J	12	0.87
50-32-8	Benzo(a)pyrene	1.2	J	12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 | Lab Sample ID: 480-26562-17

Matrix: Water | Lab File ID: V6040.D

Analysis Method: 8270C | Date Collected: 10/11/2012 10:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 415(mL) | Date Analyzed: 10/18/2012 16:48

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	1.1	J B	12	0.82
191-24-2	Benzo(g,h,i)perylene	1.7	J B	12	0.84
207-08-9	Benzo(k)fluoranthene	ND		12	1.8
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.84
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.96
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.72
218-01-9	Chrysene	1.3	J B	12	0.80
53-70-3	Dibenz(a,h)anthracene	7.4	J B	12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.53
131-11-3	Dimethyl phthalate	ND		12	0.87
84-74-2	Di-n-butyl phthalate	ND		12	0.75
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.96
86-73-7	Fluorene	ND		12	0.87
118-74-1	Hexachlorobenzene	ND	*	12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	J B	12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.70
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.3
85-01-8	Phenanthrene	ND		12	1.1
108-95-2	Phenol	ND		12	0.94
129-00-0	Pyrene	ND		12	0.82

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 | Lab Sample ID: 480-26562-17

Matrix: Water | Lab File ID: V6040.D

Analysis Method: 8270C | Date Collected: 10/11/2012 10:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 415(mL) | Date Analyzed: 10/18/2012 16:48

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.: 86214 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	158	X	52-132
321-60-8	2-Fluorobiphenyl	134	X	48-120
367-12-4	2-Fluorophenol	100		20-120
4165-60-0	Nitrobenzene-d5	134	X	46-120
4165-62-2	Phenol-d5	86		16-120
1718-51-0	p-Terphenyl-d14	147		67-150

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-003 Lab Sample ID: 480-26562-17

Matrix: Water Lab File ID: V6040.D

Analysis Method: 8270C Date Collected: 10/11/2012 10:15

Extract. Method: 3510C Date Extracted: 10/17/2012 06:59

Sample wt/vol: 415(mL) Date Analyzed: 10/18/2012 16:48

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.: 86214 Units: ug/L

Number TICs Found: 1 TIC Result Total: 33

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.52	33	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Lims ID:	480-26562-A-17-A	Client ID:	GW-007830-101112-003
Inject. Date:	18-Oct-2012 16:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-016		
Misc. Info.:	480-26562-A-17-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	86214	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	22-Oct-2012 09:44:47	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK027		
First Level Reviewer: lyh		Date:	22-Oct-2012 09:43:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.745	-0.005	93	164583	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	99	645756	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	388775	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	688441	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	742315	40.0	
* 6 Perylene-d12	264	15.184	15.190	-0.006	98	917457	40.0	
$ 7 2-Fluorophenol	112	3.971	3.976	-0.005	88	714974	150.1	
$ 8 Phenol-d5	99	5.269	5.274	-0.005	84	731641	128.4	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	85	573461	134.0	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	99	1534788	134.1	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	90	345754	236.8	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	2150843	147.1	
80 Benzaldehyde	77		5.157					9
81 Phenol	94		5.296					9
83 Bis(2-chloroethyl)ether	93		5.397					
84 2-Chlorophenol	128		5.461					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
91 1,2-Dichlorobenzene	146		5.969					
92 2-Methylphenol	108		6.108					
93 2,2'-oxybis[1-chloropropane]	45		6.129					
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					
99 Hexachloroethane	117		6.412					
102 Nitrobenzene	77		6.514					9
106 Isophorone	82		6.834					9
107 2-Nitrophenol	139		6.936					
108 2,4-Dimethylphenol	107		7.021					
111 Bis(2-chloroethoxy)methane	93		7.139					
114 2,4-Dichlorophenol	162		7.262					
117 1,2,4-Trichlorobenzene	180		7.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
118 Naphthalene	128		7.454					9
119 4-Chloroaniline	127		7.545					
121 Hexachlorobutadiene	225		7.630					
129 4-Chloro-3-methylphenol	107		8.202					
131 2-Methylnaphthalene	142		8.362					9
134 Hexachlorocyclopentadiene	237		8.565					
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					
146 Dimethyl phthalate	163		9.383					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					
156 2,4-Dinitrotoluene	165		9.970					
161 Diethyl phthalate	149		10.269					9
162 Fluorene	166		10.371					
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
175 4-Bromophenyl phenyl ether	248		10.937					
179 Hexachlorobenzene	284		11.001					
183 Pentachlorophenol	266		11.226					
188 Phenanthrene	178	11.439	11.439	0.0	1	4912	0.2762	
189 Anthracene	178		11.493					9
192 Carbazole	167		11.669					9
195 Di-n-butyl phthalate	149		12.022					9
201 Fluoranthene	202		12.615					9
204 Pyrene	202	12.828	12.823	0.005	69	3368	0.1676	
210 Butyl benzyl phthalate	149		13.395					
215 3,3'-Dichlorobenzidine	252		13.865					9
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	73	9251	0.8120	
217 Benzo[a]anthracene	228	13.886	13.891	-0.005	58	9845	0.5002	
218 Chrysene	228	13.923	13.923	0.0	14	10838	0.5580	M
220 Di-n-octyl phthalate	149		14.415					
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	61	9799	0.4426	
222 Benzo[k]fluoranthene	252	14.858	14.853	0.005	52	14242	0.5855	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	37	9669	0.4834	
227 Indeno[1,2,3-cd]pyrene	276	16.354	16.344	0.011	67	13663	0.6526	
228 Dibenz(a,h)anthracene	278	16.354	16.344	0.011	16	11606	3.07	
229 Benzo[g,h,i]perylene	276	16.696	16.675	0.021	61	11762	0.6977	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Lims ID:	480-26562-A-17-A	Client ID:	GW-007830-101112-003
Inject. Date:	18-Oct-2012 16:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-016		
Misc. Info.:	480-26562-A-17-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	86214	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	22-Oct-2012 09:44:47	Calib Date:	16-Oct-2012 14:05:30
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:	XAWRK027		
First Level Reviewer: lyh		Date:	22-Oct-2012 09:43:13

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.368	636	0.0654	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.517	316204	13.6	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.739	927024	40.0

QC Flag Legend

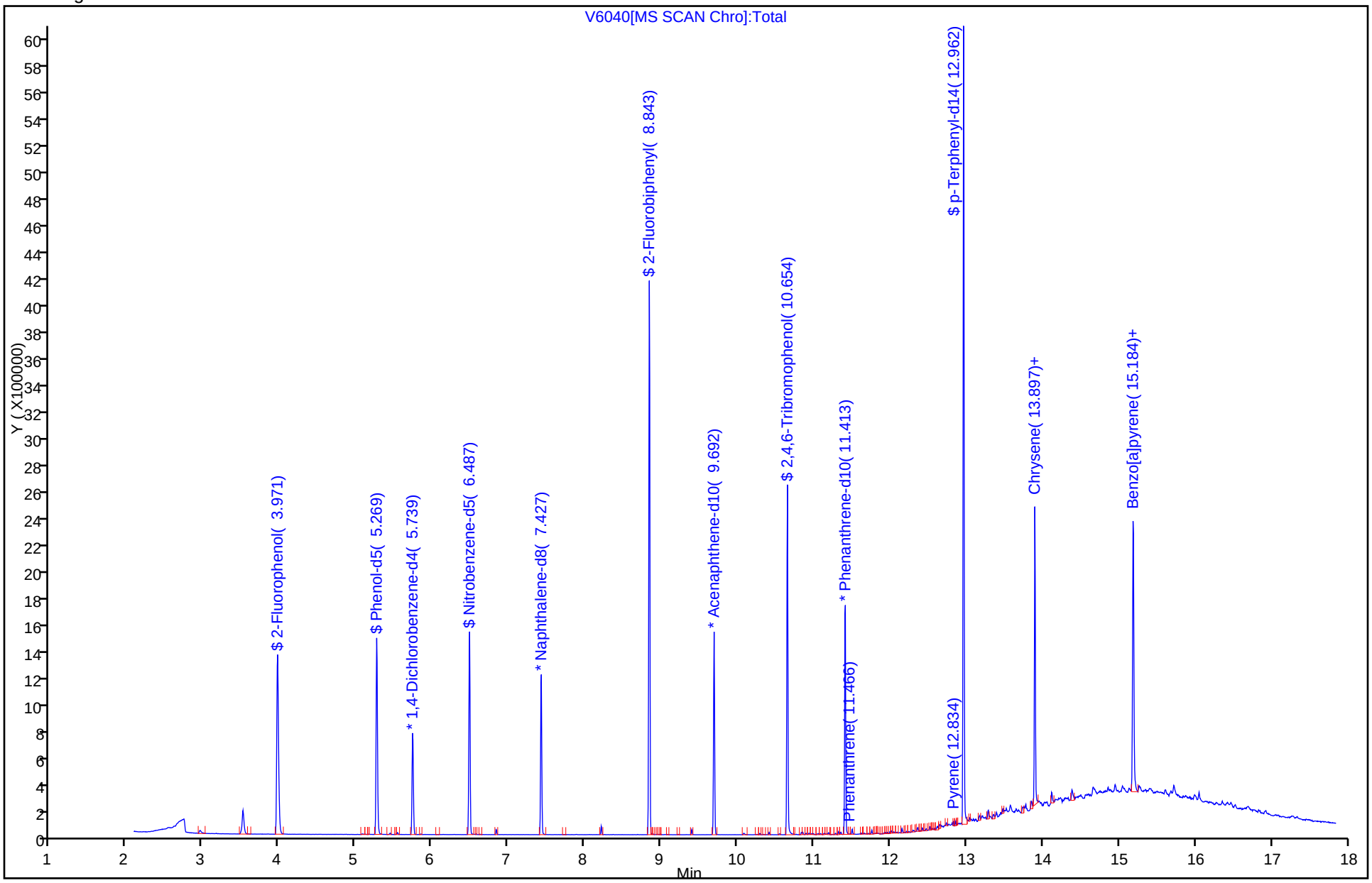
Processing Flags

Report Date: 22-Oct-2012 09:44:47 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D

Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

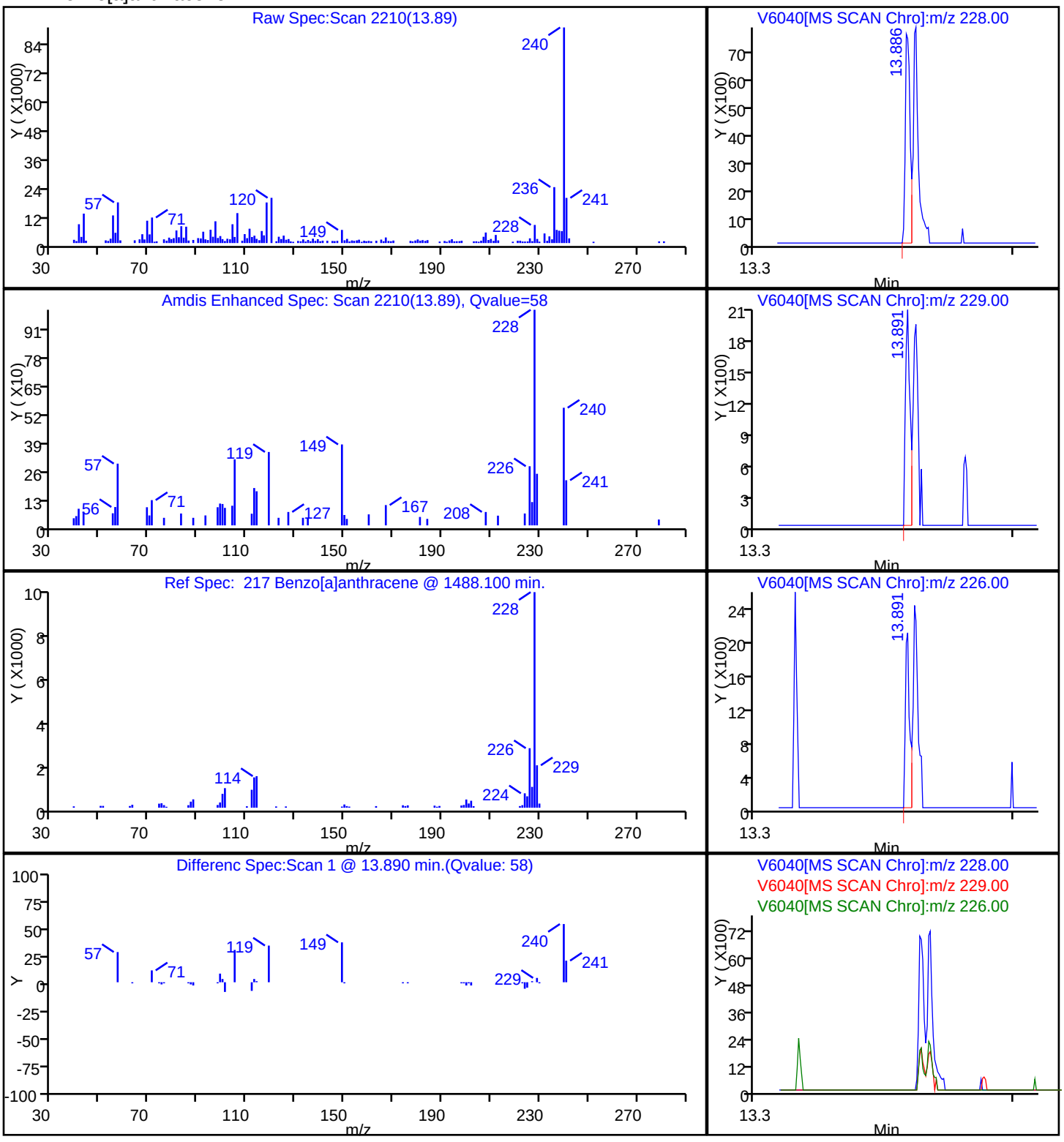
Y Scaling:



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

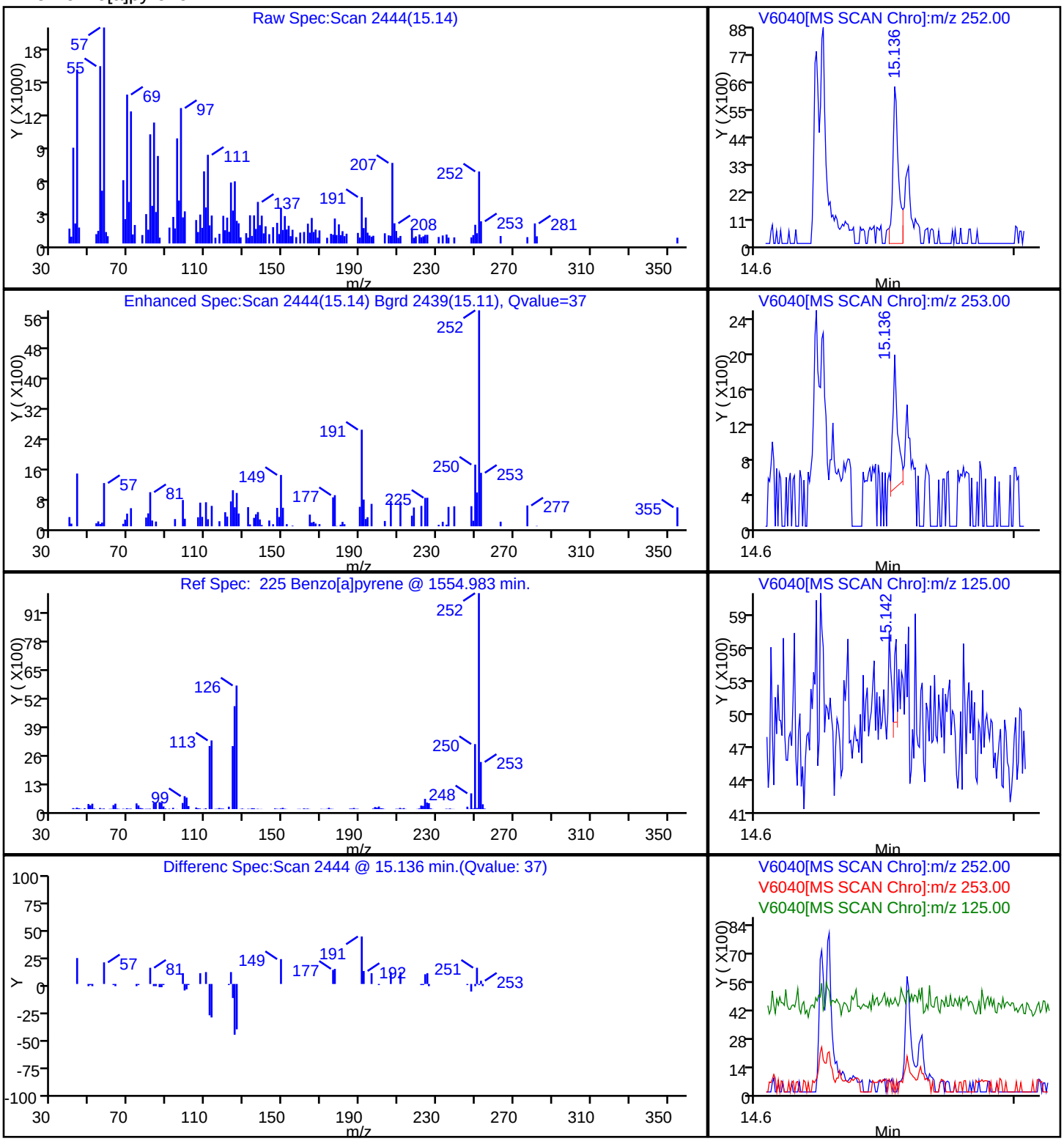
217 Benzo[a]anthracene



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

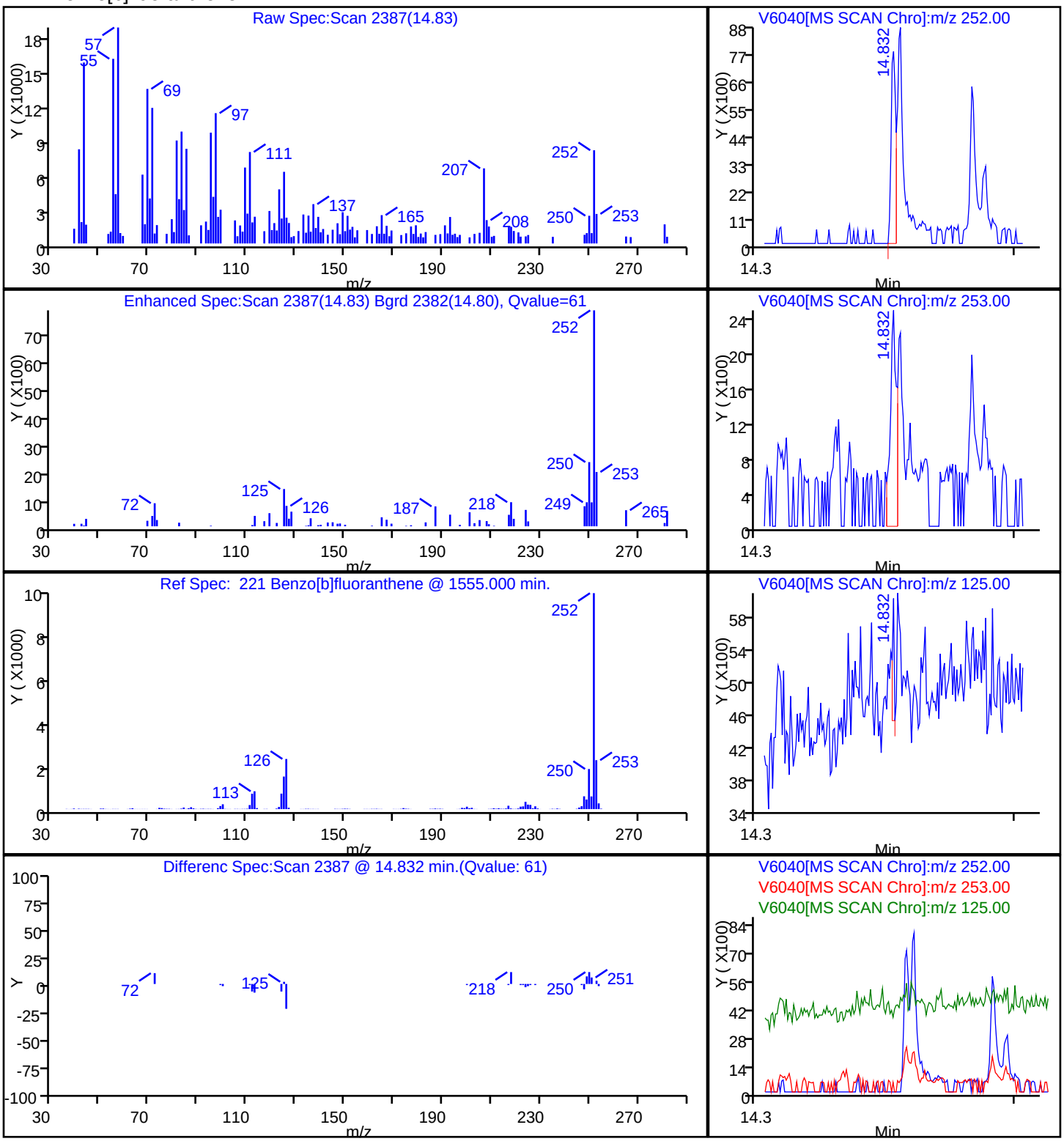
225 Benzo[a]pyrene



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

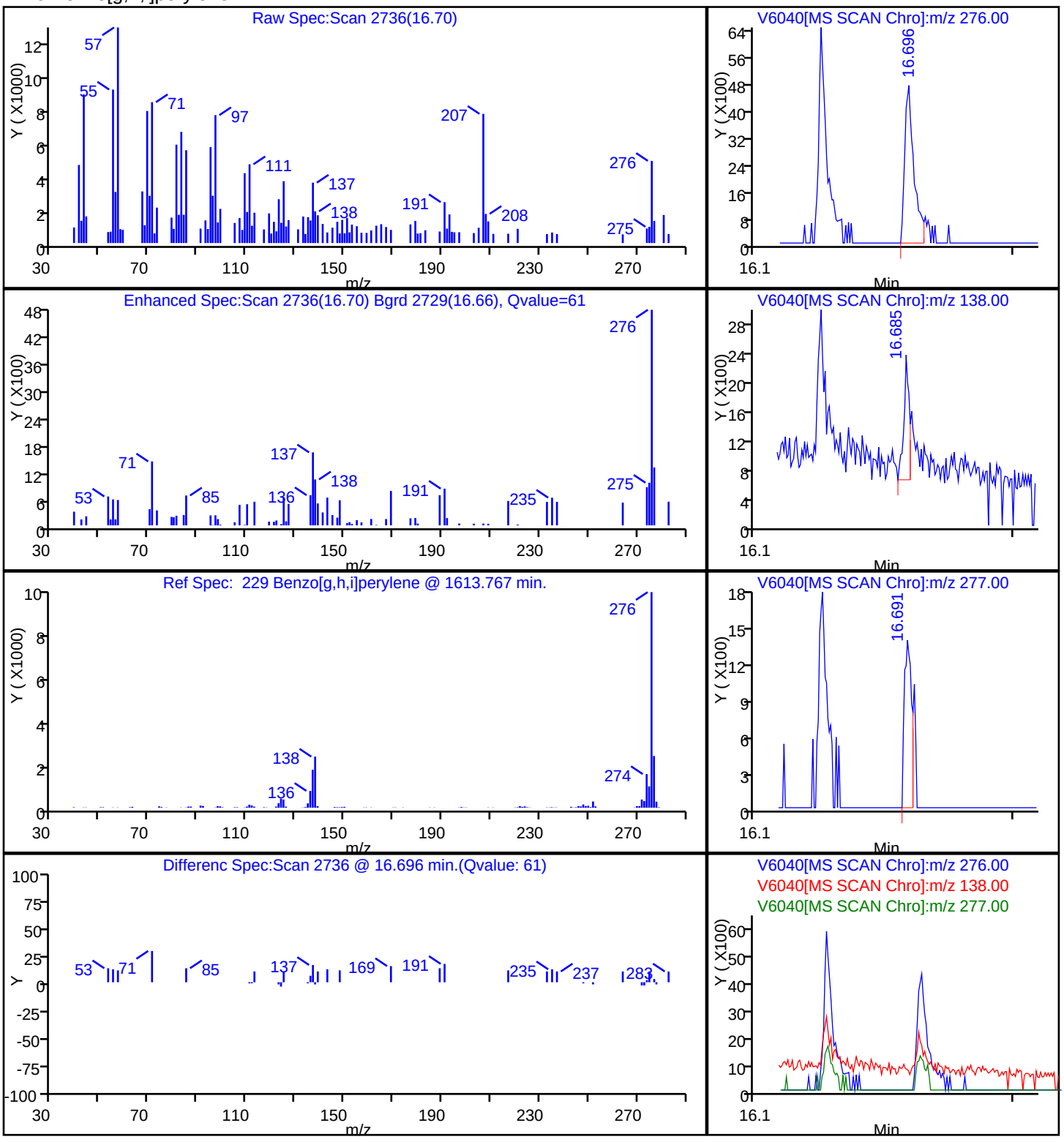
221 Benzo[b]fluoranthene



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

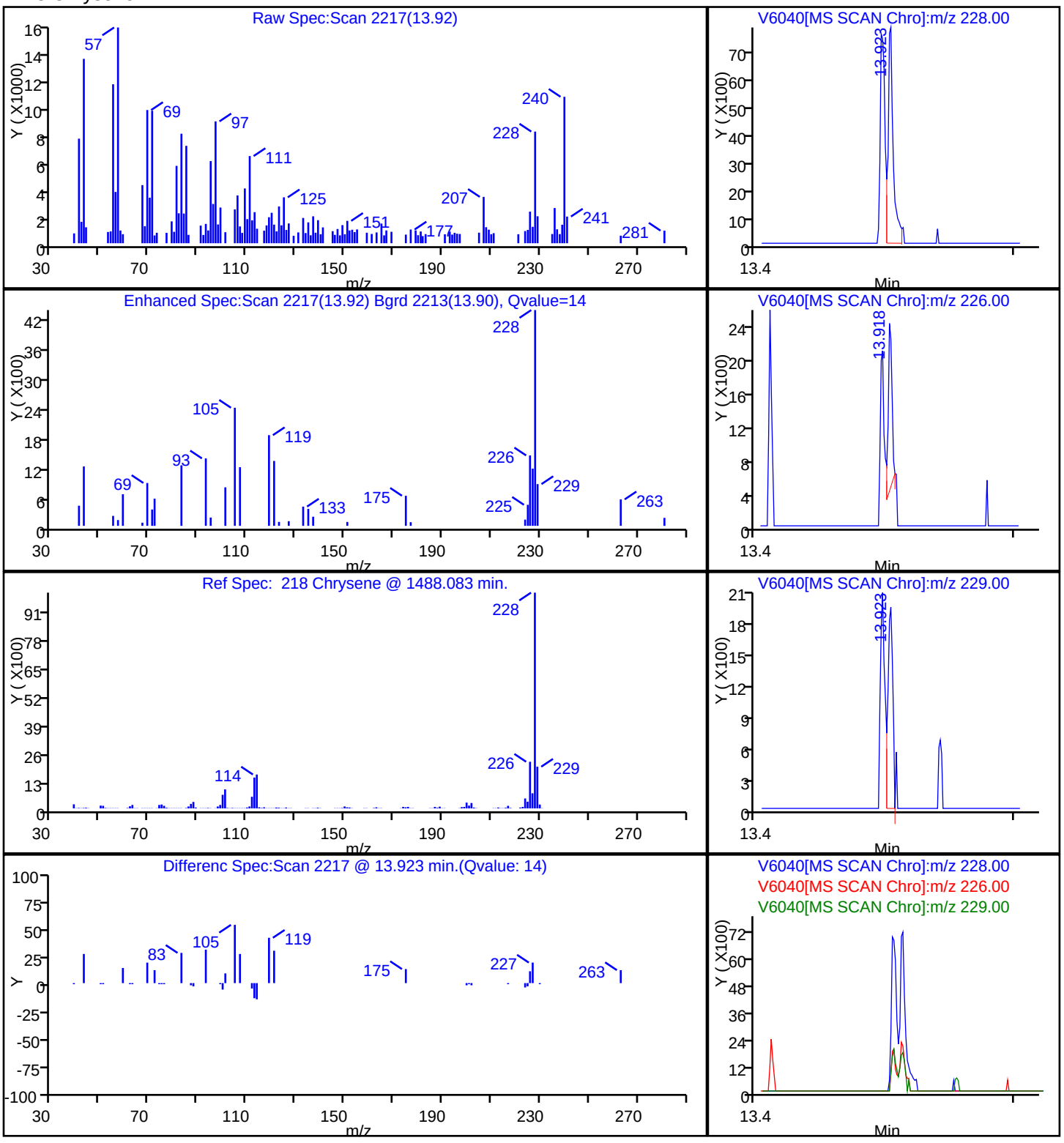
229 Benzo[g,h,i]perylene



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

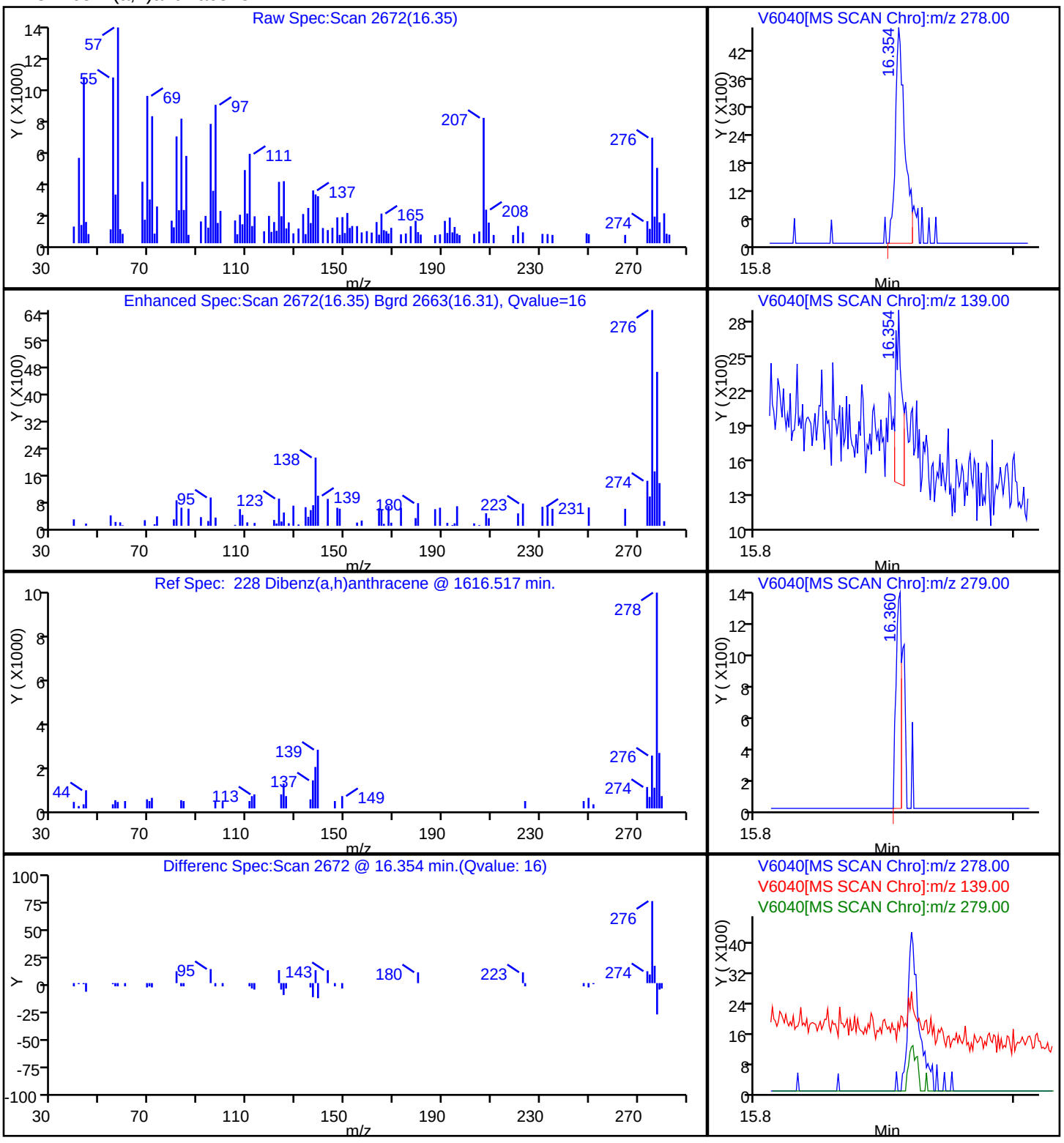
218 Chrysene



Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

228 Dibenz(a,h)anthracene

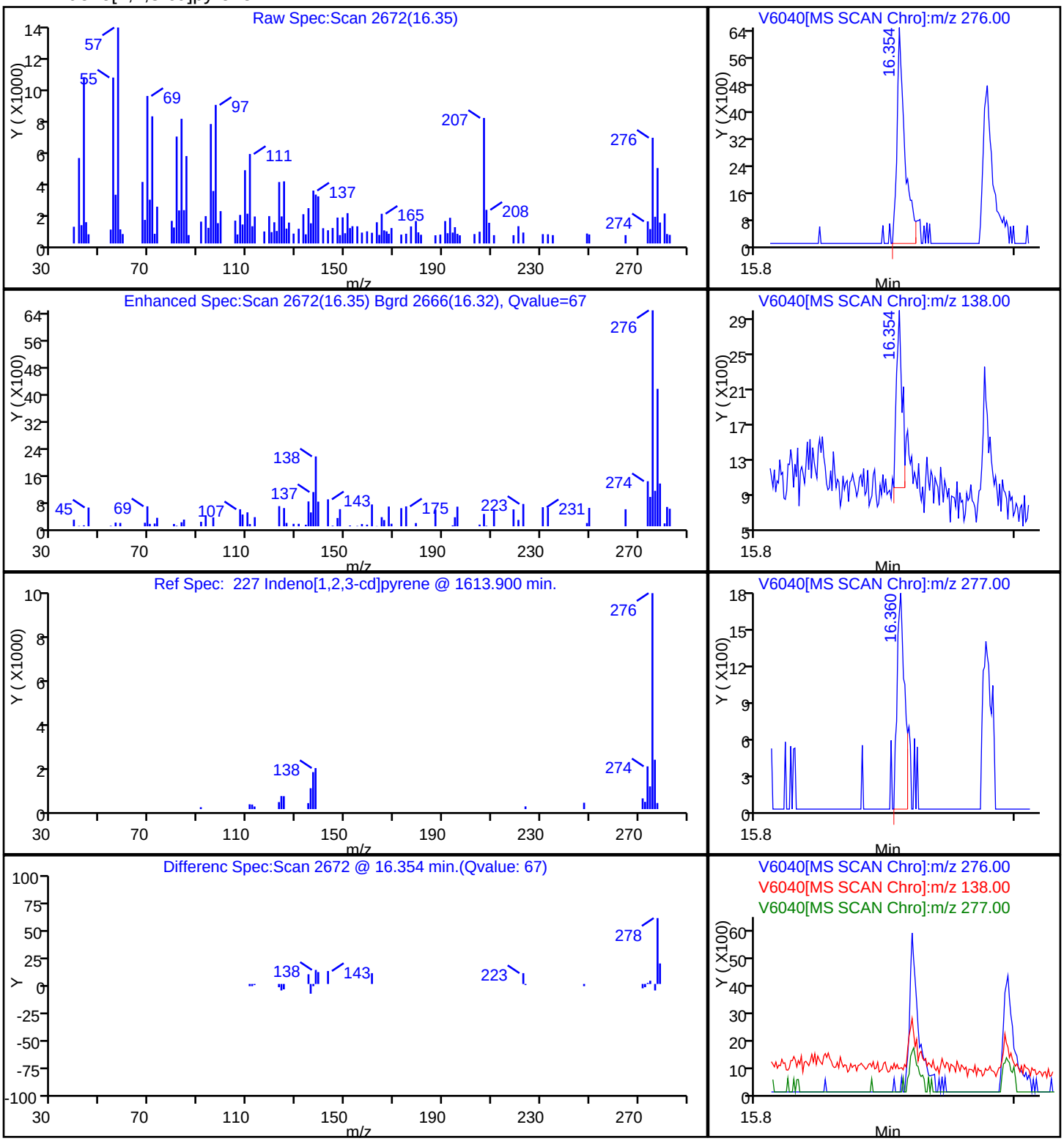


Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D

Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

227 Indeno[1,2,3-cd]pyrene



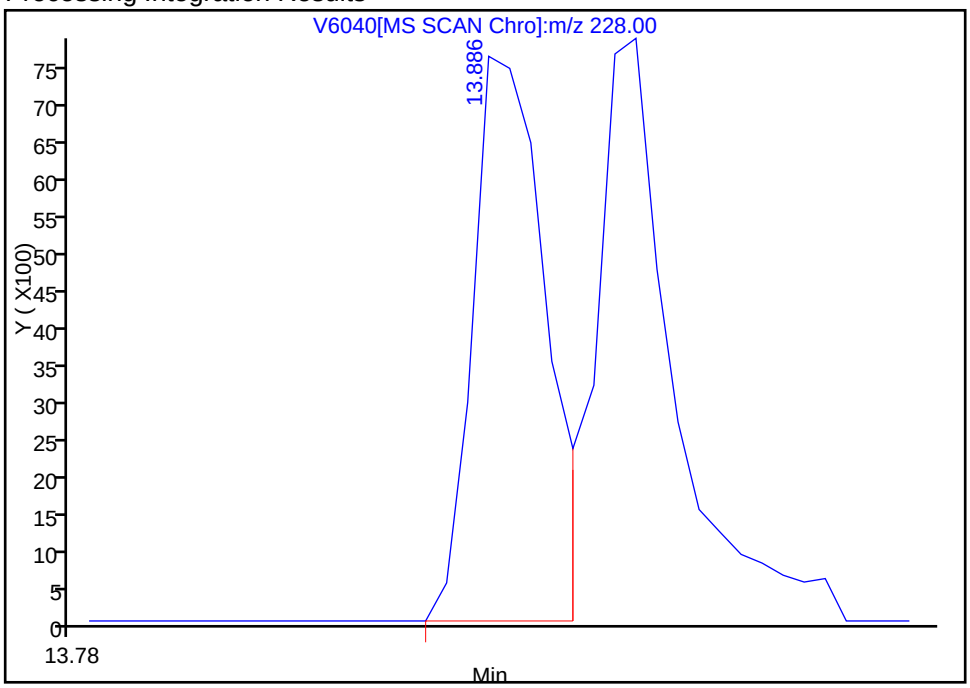
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

218 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 13.92

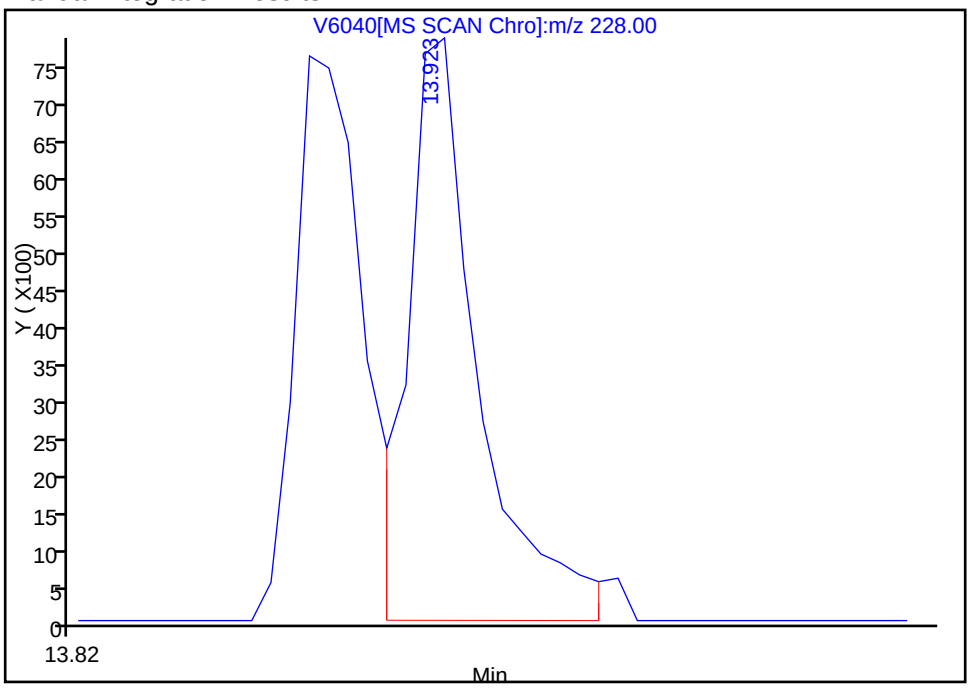
Processing Integration Results

RT: 13.89
Response: 9845
Amount: 0.506849



Manual Integration Results

RT: 13.92
Response: 10838
Amount: 0.557971

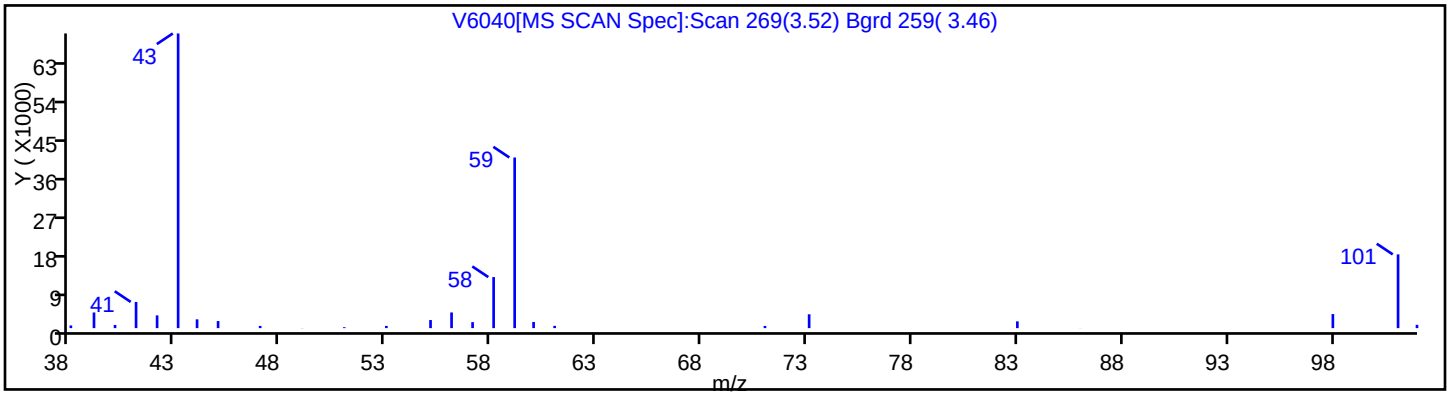


Reviewer: lyh, 22-Oct-2012 09:43:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 22-Oct-2012 09:44:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6040.D		
Injection Date:	18-Oct-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-003	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 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.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 | Lab Sample ID: 480-26562-18

Matrix: Water | Lab File ID: V6041.D

Analysis Method: 8270C | Date Collected: 10/11/2012 11:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.1
95-50-1	1,2-Dichlorobenzene	ND		24	0.98
541-73-1	1,3-Dichlorobenzene	ND		24	1.2
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.3
95-95-4	2,4,5-Trichlorophenol	ND		12	1.2
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.4
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.98
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.5
95-48-7	2-Methylphenol	ND		12	0.98
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.2
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.98
99-09-2	3-Nitroaniline	ND		24	1.2
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.4
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.85
106-44-5	4-Methylphenol	ND		24	0.88
100-01-6	4-Nitroaniline	ND		24	0.61
100-02-7	4-Nitrophenol	ND		24	3.7
83-32-9	Acenaphthene	ND		12	1.0
208-96-8	Acenaphthylene	ND		12	0.93
120-12-7	Anthracene	ND		12	0.68
100-52-7	Benzaldehyde	ND		12	0.65
56-55-3	Benzo(a)anthracene	ND		12	0.88
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 | Lab Sample ID: 480-26562-18

Matrix: Water | Lab File ID: V6041.D

Analysis Method: 8270C | Date Collected: 10/11/2012 11:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	1.0	J B	12	0.83
191-24-2	Benzo(g,h,i)perylene	1.4	J B	12	0.85
207-08-9	Benzo(k)fluoranthene	ND		12	1.8
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.85
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.98
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.4
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.73
218-01-9	Chrysene	1.4	J B	12	0.80
53-70-3	Dibenz(a,h)anthracene	7.2	J B	12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.54
131-11-3	Dimethyl phthalate	ND		12	0.88
84-74-2	Di-n-butyl phthalate	ND		12	0.76
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.98
86-73-7	Fluorene	ND		12	0.88
118-74-1	Hexachlorobenzene	ND	*	12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.7
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	J B	12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.9
98-95-3	Nitrobenzene	ND		12	0.71
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.4
85-01-8	Phenanthrene	ND		12	1.1
108-95-2	Phenol	ND		12	0.95
129-00-0	Pyrene	ND		12	0.83

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 Lab Sample ID: 480-26562-18

Matrix: Water Lab File ID: V6041.D

Analysis Method: 8270C Date Collected: 10/11/2012 11:30

Extract. Method: 3510C Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) Date Analyzed: 10/18/2012 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.: 86214 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	117		52-132
321-60-8	2-Fluorobiphenyl	105		48-120
367-12-4	2-Fluorophenol	79		20-120
4165-60-0	Nitrobenzene-d5	104		46-120
4165-62-2	Phenol-d5	67		16-120
1718-51-0	p-Terphenyl-d14	124		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-004 | Lab Sample ID: 480-26562-18

Matrix: Water | Lab File ID: V6041.D

Analysis Method: 8270C | Date Collected: 10/11/2012 11:30

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 410(mL) | Date Analyzed: 10/18/2012 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.: 86214 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 28

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.52	28	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Lims ID:	480-26562-A-18-A	Client ID:	GW-007830-101112-004
Inject. Date:	18-Oct-2012 17:13:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-017		
Misc. Info.:	480-26562-A-18-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	86214	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 11:07:57	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 11:07:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.745	-0.005	92	167301	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	654339	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	385751	40.0	
* 4 Phenanthrene-d10	188	11.412	11.413	-0.001	97	676330	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	696360	40.0	
* 6 Perylene-d12	264	15.184	15.190	-0.006	98	843560	40.0	
$ 7 2-Fluorophenol	112	3.965	3.976	-0.011	87	573162	118.4	
$ 8 Phenol-d5	99	5.269	5.274	-0.005	84	583477	100.7	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	451909	104.2	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	100	1193326	105.1	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	91	252100	175.8	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	1707922	124.5	
80 Benzaldehyde	77		5.157					9
81 Phenol	94		5.296					9
83 Bis(2-chloroethyl)ether	93		5.397					
84 2-Chlorophenol	128		5.461					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
91 1,2-Dichlorobenzene	146		5.969					
92 2-Methylphenol	108		6.108					
93 2,2'-oxybis[1-chloropropane]	45		6.129					
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					
99 Hexachloroethane	117		6.412					
102 Nitrobenzene	77		6.514					9
106 Isophorone	82		6.834					
107 2-Nitrophenol	139		6.936					
108 2,4-Dimethylphenol	107		7.021					
111 Bis(2-chloroethoxy)methane	93		7.139					
114 2,4-Dichlorophenol	162		7.262					
117 1,2,4-Trichlorobenzene	180		7.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
118 Naphthalene	128		7.454					9
119 4-Chloroaniline	127		7.545					
121 Hexachlorobutadiene	225		7.630					
129 4-Chloro-3-methylphenol	107		8.202					
131 2-Methylnaphthalene	142		8.362					
134 Hexachlorocyclopentadiene	237		8.565					
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					
146 Dimethyl phthalate	163		9.383					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					
156 2,4-Dinitrotoluene	165		9.970					
161 Diethyl phthalate	149		10.269					9
162 Fluorene	166		10.371					
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
175 4-Bromophenyl phenyl ether	248		10.937					
179 Hexachlorobenzene	284		11.001					
183 Pentachlorophenol	266		11.226					
188 Phenanthrene	178		11.439					9
189 Anthracene	178		11.493					9
192 Carbazole	167		11.669					9
195 Di-n-butyl phthalate	149		12.022					9
201 Fluoranthene	202		12.615					9
204 Pyrene	202	12.833	12.823	0.010	57	2349	0.1246	
210 Butyl benzyl phthalate	149	13.394	13.394	-0.001	1	2866	0.3669	
215 3,3'-Dichlorobenzidine	252		13.865					
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	72	5104	0.4776	
217 Benzo[a]anthracene	228		13.891					9
218 Chrysene	228	13.918	13.918	-0.005	21	10321	0.5664	
220 Di-n-octyl phthalate	149	14.415	14.415	0.0	50	6151	0.3474	
221 Benzo[b]fluoranthene	252	14.831	14.826	0.005	54	8654	0.4251	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	61	11987	0.5360	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	21	7020	0.3817	
227 Indeno[1,2,3-cd]pyrene	276	16.359	16.359	0.016	49	10450	0.5428	
228 Dibenz(a,h)anthracene	278	16.365	16.365	0.022	1	8961	2.97	
229 Benzo[g,h,i]perylene	276	16.691	16.691	0.016	39	8917	0.5753	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Lims ID:	480-26562-A-18-A	Client ID:	GW-007830-101112-004
Inject. Date:	18-Oct-2012 17:13:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-017		
Misc. Info.:	480-26562-A-18-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	86214	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 11:07:57	Calib Date:	16-Oct-2012 14:05:30
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:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 11:07:57

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.517	271161	11.6	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.739	934479	40.0

QC Flag Legend

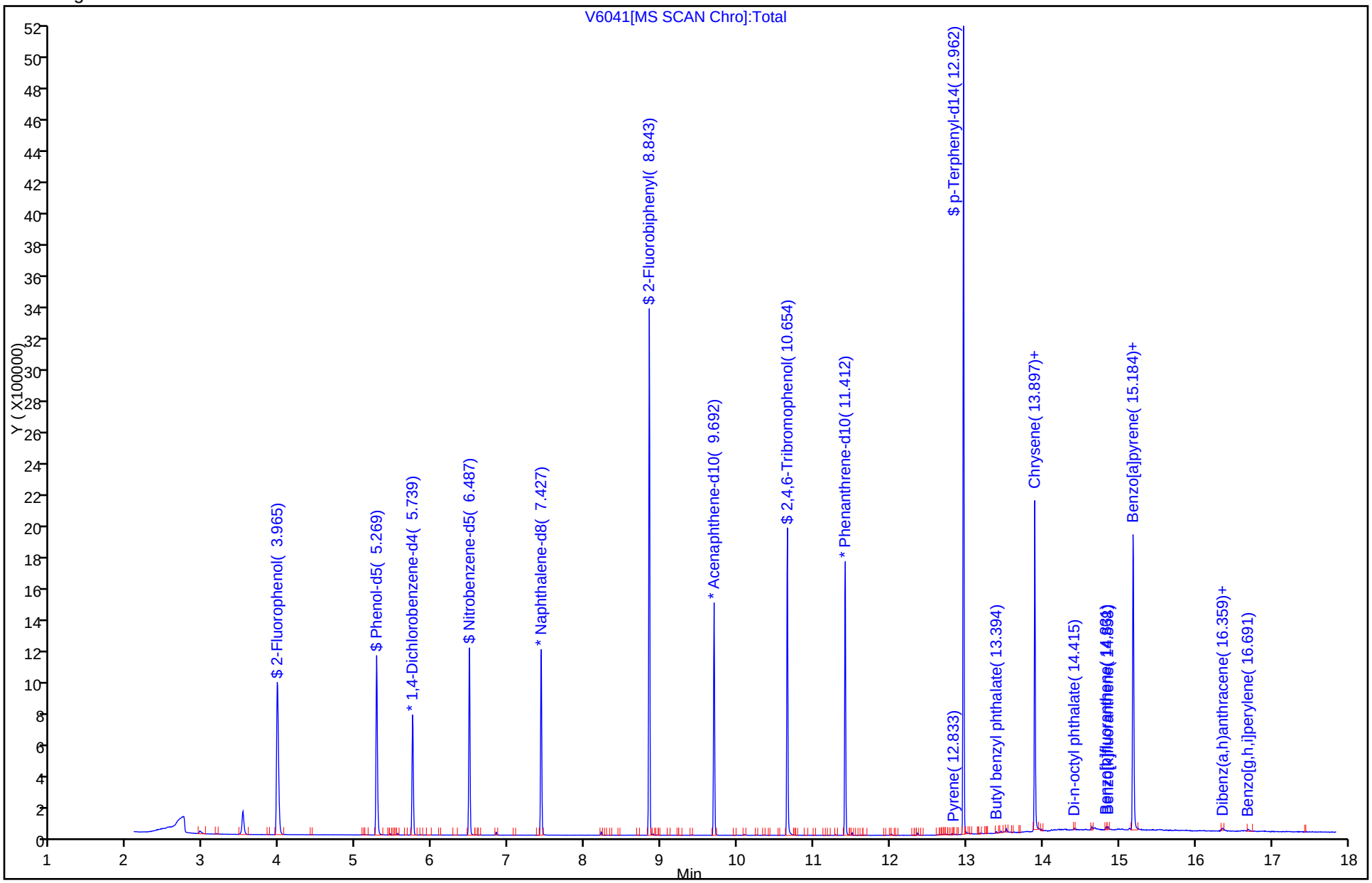
Processing Flags

Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D

Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

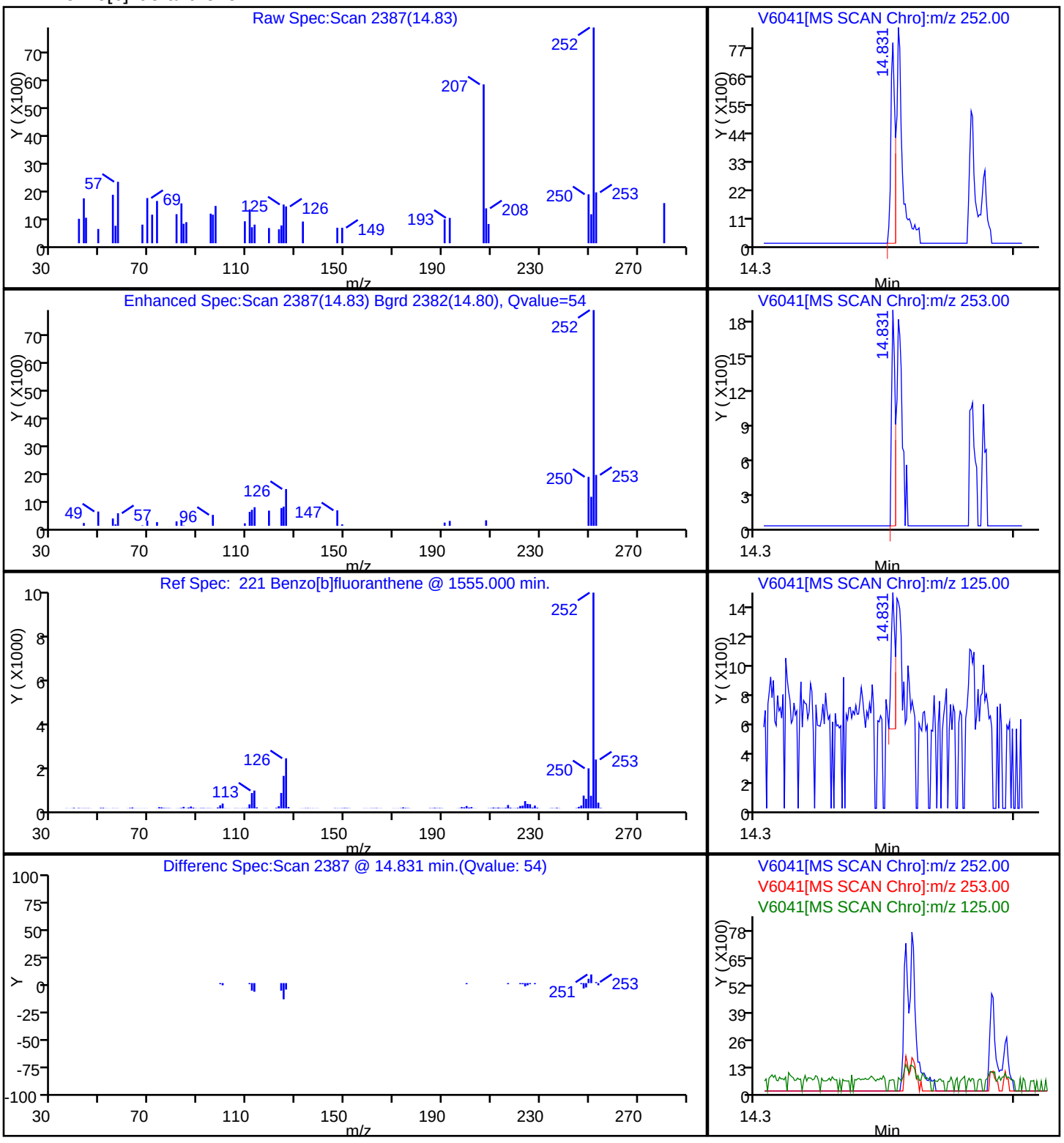
Y Scaling:



Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

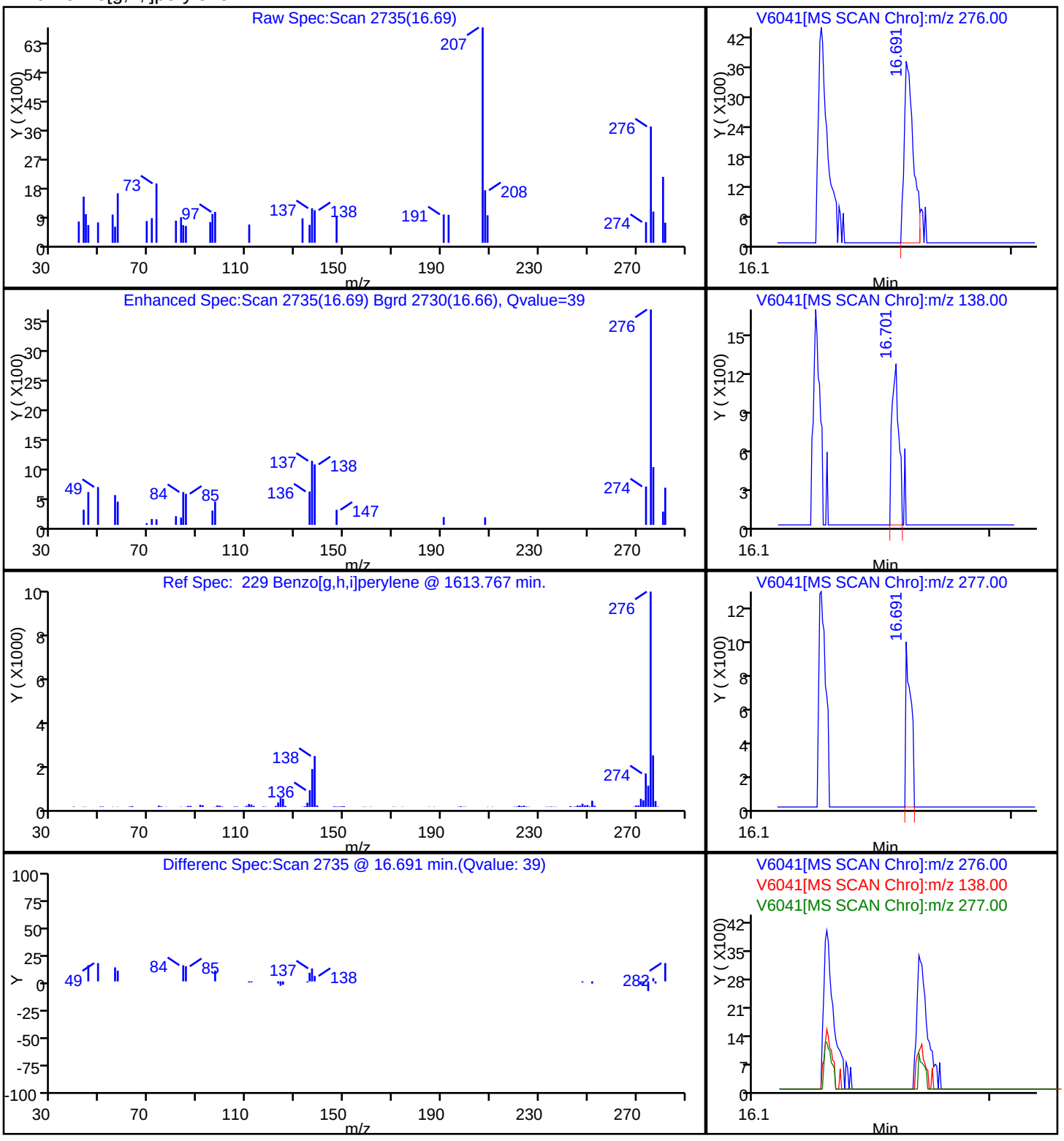
221 Benzo[b]fluoranthene



Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

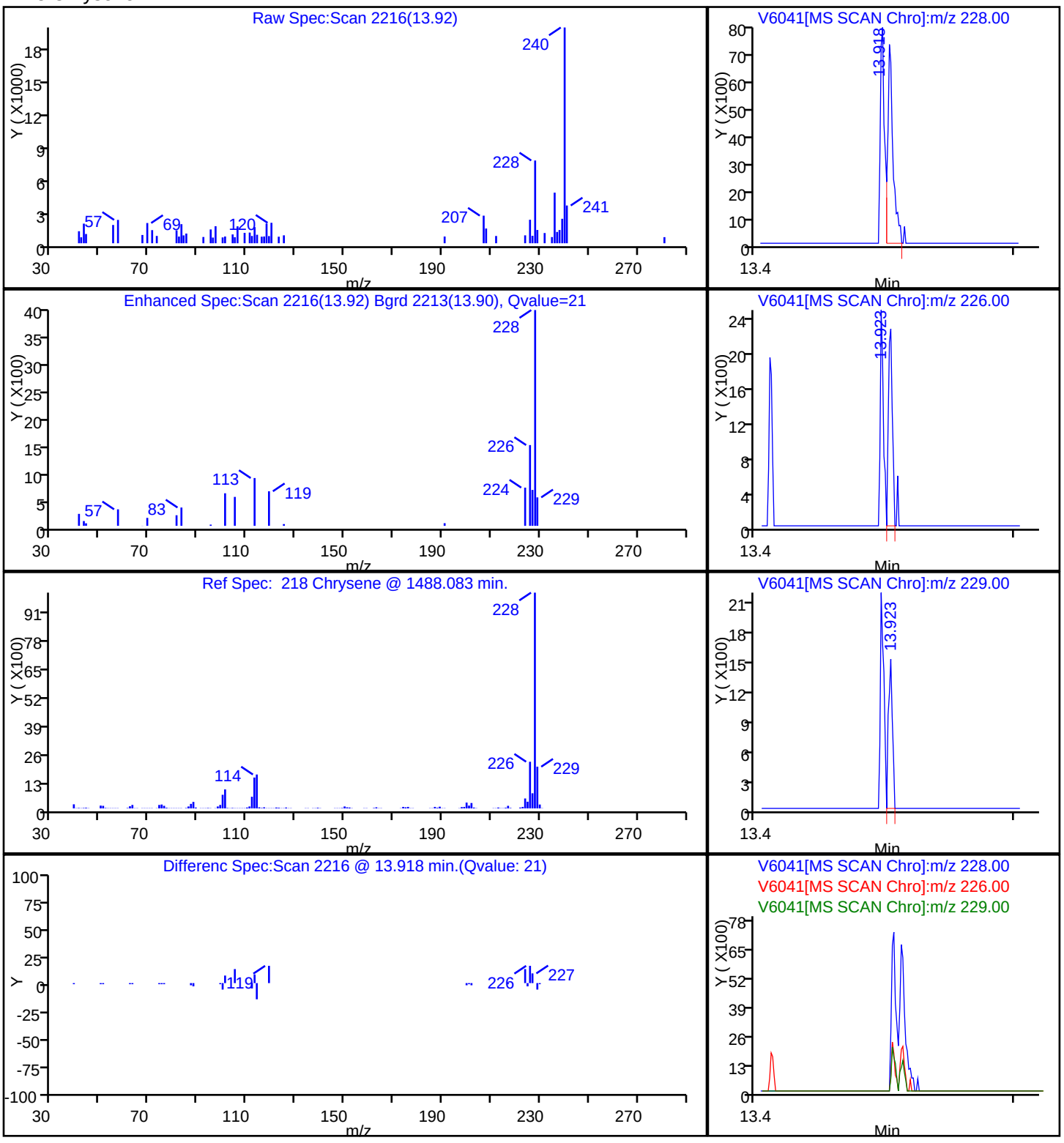
229 Benzo[g,h,i]perylene



Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

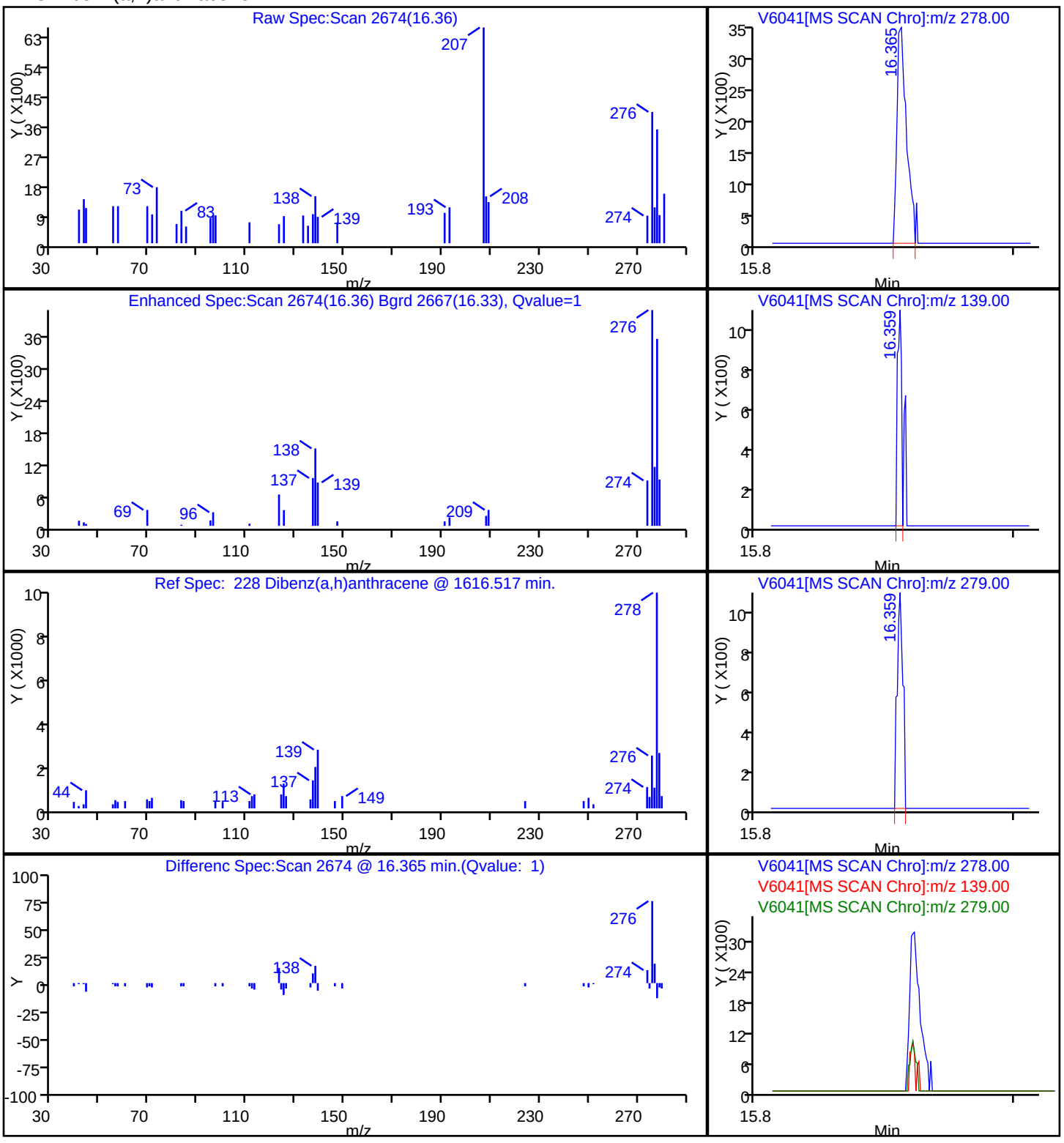
218 Chrysene



Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

228 Dibenz(a,h)anthracene

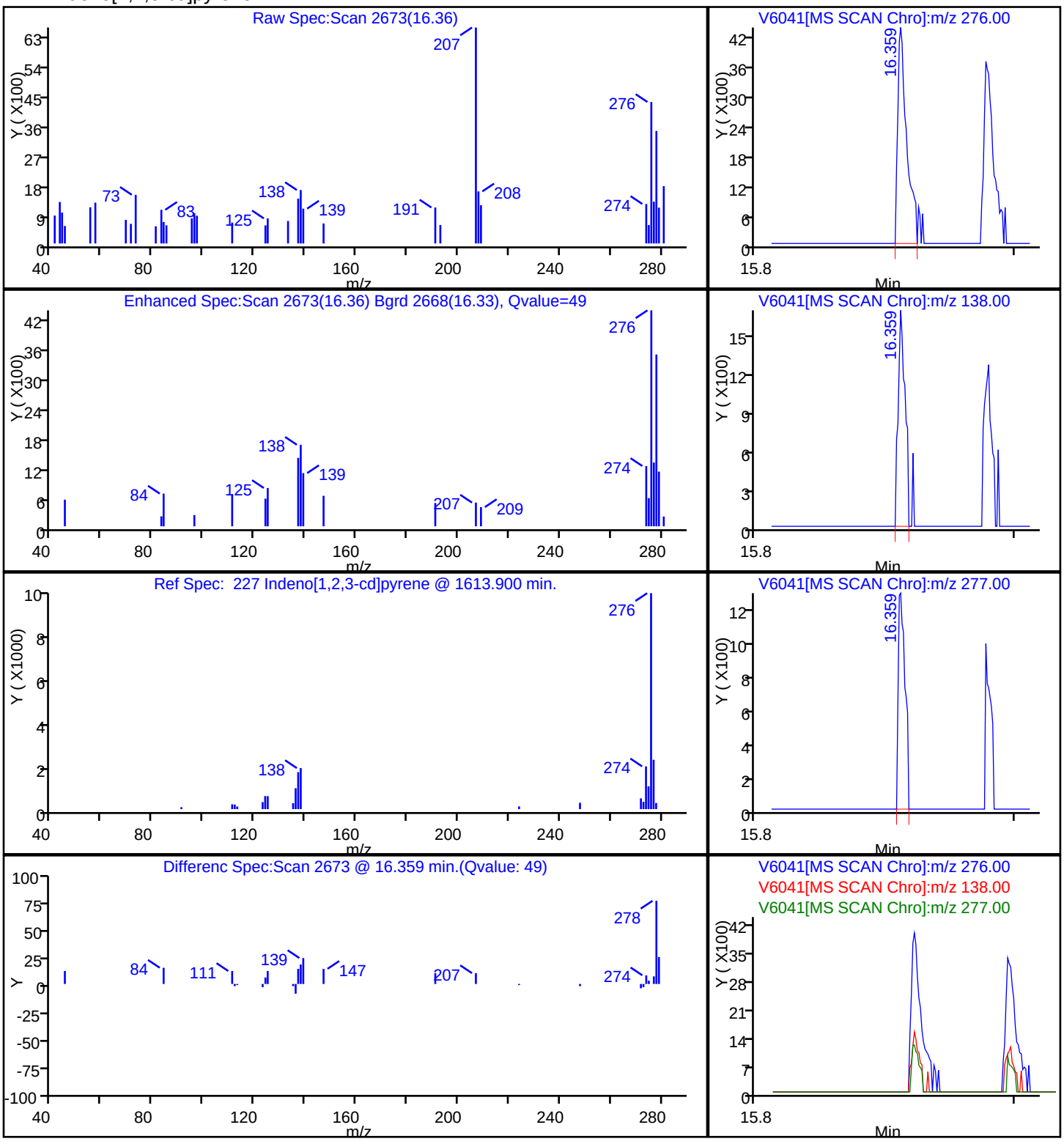


Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D

Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

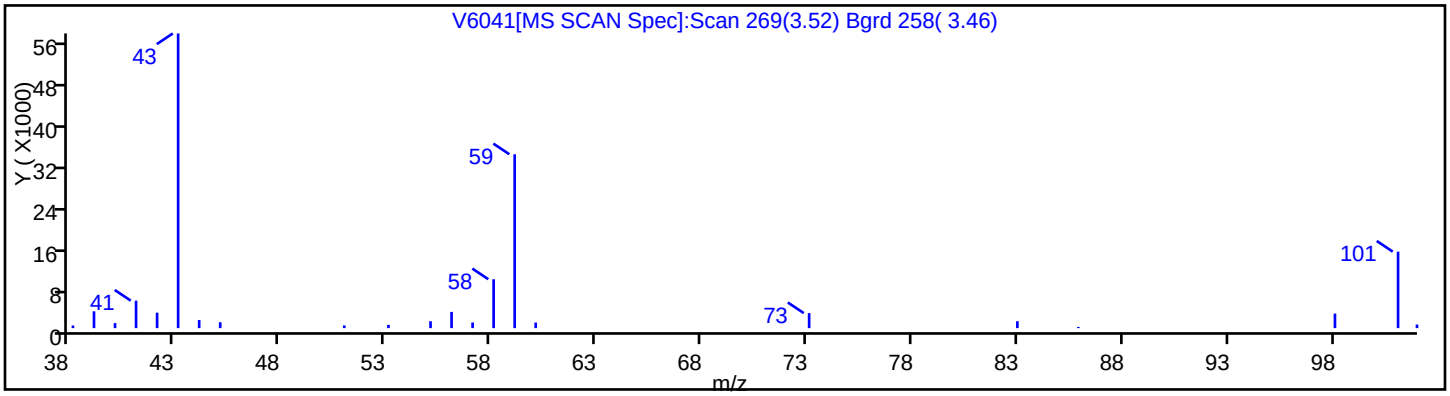
227 Indeno[1,2,3-cd]pyrene



Report Date: 19-Oct-2012 11:07:57 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6041.D		
Injection Date:	18-Oct-2012 17:13:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-004	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 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.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: V6042.D

Analysis Method: 8270C | Date Collected: 10/11/2012 12:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 425(mL) | Date Analyzed: 10/18/2012 17:37

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.94
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.4
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.2
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.94
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.2
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.94
88-74-4	2-Nitroaniline	ND		24	0.99
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.94
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.82
106-44-5	4-Methylphenol	ND		24	0.85
100-01-6	4-Nitroaniline	ND		24	0.59
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.96
208-96-8	Acenaphthylene	ND		12	0.89
120-12-7	Anthracene	ND		12	0.66
100-52-7	Benzaldehyde	ND		12	0.63
56-55-3	Benzo(a)anthracene	0.91	J	12	0.85
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: V6042.D

Analysis Method: 8270C | Date Collected: 10/11/2012 12:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 425(mL) | Date Analyzed: 10/18/2012 17:37

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		12	0.80
191-24-2	Benzo(g,h,i)perylene	1.0	J B	12	0.82
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.82
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.94
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.2
85-68-7	Butyl benzyl phthalate	ND		12	0.99
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	1.0	J B	12	0.78
53-70-3	Dibenz(a,h)anthracene	6.7	J B	12	0.99
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.85
84-74-2	Di-n-butyl phthalate	ND		12	0.73
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.94
86-73-7	Fluorene	ND		12	0.85
118-74-1	Hexachlorobenzene	ND	*	12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	ND		12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.68
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.92
129-00-0	Pyrene	ND		12	0.80

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: V6042.D

Analysis Method: 8270C | Date Collected: 10/11/2012 12:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 425(mL) | Date Analyzed: 10/18/2012 17:37

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.: 86214 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	106		52-132
321-60-8	2-Fluorobiphenyl	92		48-120
367-12-4	2-Fluorophenol	67		20-120
4165-60-0	Nitrobenzene-d5	91		46-120
4165-62-2	Phenol-d5	57		16-120
1718-51-0	p-Terphenyl-d14	102		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: GW-007830-101112-005 | Lab Sample ID: 480-26562-19

Matrix: Water | Lab File ID: V6042.D

Analysis Method: 8270C | Date Collected: 10/11/2012 12:15

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 425(mL) | Date Analyzed: 10/18/2012 17:37

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.: 86214 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D		
Lims ID:	480-26562-A-19-A	Client ID:	GW-007830-101112-005
Inject. Date:	18-Oct-2012 17:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-018		
Misc. Info.:	480-26562-A-19-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	86214	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	25-Oct-2012 15:48:49	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK016		
First Level Reviewer: lyh		Date:	25-Oct-2012 15:48:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.739	5.745	-0.005	92	218750	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	859117	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	503108	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	879198	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	910611	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	1075289	40.0	
$ 7 2-Fluorophenol	112	3.966	3.976	-0.010	88	633824	100.1	
$ 8 Phenol-d5	99	5.269	5.274	-0.005	84	647355	85.5	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	519647	91.3	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	100	1364373	92.1	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	91	297882	159.7	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	1832341	102.1	
80 Benzaldehyde	77		5.157					9
81 Phenol	94		5.296					9
83 Bis(2-chloroethyl)ether	93		5.397					
84 2-Chlorophenol	128		5.461					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
91 1,2-Dichlorobenzene	146		5.969					
92 2-Methylphenol	108		6.108					
93 2,2'-oxybis[1-chloropropane]	45		6.129					
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					
99 Hexachloroethane	117		6.412					
102 Nitrobenzene	77		6.514					9
106 Isophorone	82		6.834					
107 2-Nitrophenol	139		6.936					
108 2,4-Dimethylphenol	107		7.021					
111 Bis(2-chloroethoxy)methane	93		7.139					
114 2,4-Dichlorophenol	162		7.262					
117 1,2,4-Trichlorobenzene	180		7.358					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
118 Naphthalene	128		7.454					9
119 4-Chloroaniline	127		7.545					
121 Hexachlorobutadiene	225		7.630					
129 4-Chloro-3-methylphenol	107		8.202					
131 2-Methylnaphthalene	142		8.362					9
134 Hexachlorocyclopentadiene	237		8.565					
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					
146 Dimethyl phthalate	163		9.383					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					9
156 2,4-Dinitrotoluene	165		9.970					
161 Diethyl phthalate	149		10.269					9
162 Fluorene	166		10.371					
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
175 4-Bromophenyl phenyl ether	248		10.937					
179 Hexachlorobenzene	284		11.001					
183 Pentachlorophenol	266		11.226					
188 Phenanthrene	178	11.439	11.439	0.0	1	2988	0.1315	
189 Anthracene	178		11.493					9
192 Carbazole	167		11.669					9
195 Di-n-butyl phthalate	149		12.022					9
201 Fluoranthene	202		12.615					9
204 Pyrene	202		12.823					9
210 Butyl benzyl phthalate	149	13.389	13.395	-0.006	1	2456	0.2405	
215 3,3'-Dichlorobenzidine	252		13.865					
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	63	4593	0.3286	
217 Benzo[a]anthracene	228	13.891	13.891	0.0	51	9323	0.3862	
218 Chrysene	228	13.918	13.923	-0.005	16	10149	0.4259	
220 Di-n-octyl phthalate	149		14.415					9
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	54	8401	0.3237	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	34	11200	0.3929	M
225 Benzo[a]pyrene	252	15.142	15.136	0.006	1	6612	0.2820	
227 Indeno[1,2,3-cd]pyrene	276	16.360	16.344	0.017	54	8858	0.3610	
228 Dibenz(a,h)anthracene	278	16.360	16.344	0.017	1	8364	2.84	
229 Benzo[g,h,i]perylene	276	16.696	16.675	0.021	31	8707	0.4407	

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D		
Lims ID:	480-26562-A-19-A	Client ID:	GW-007830-101112-005
Inject. Date:	18-Oct-2012 17:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0015847-018		
Misc. Info.:	480-26562-A-19-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	86214	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	25-Oct-2012 15:48:49	Calib Date:	16-Oct-2012 14:05:30
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:	XAWRK016		
First Level Reviewer: lyh		Date:	25-Oct-2012 15:48:49

Calibrated Tentative Identified Compound Results

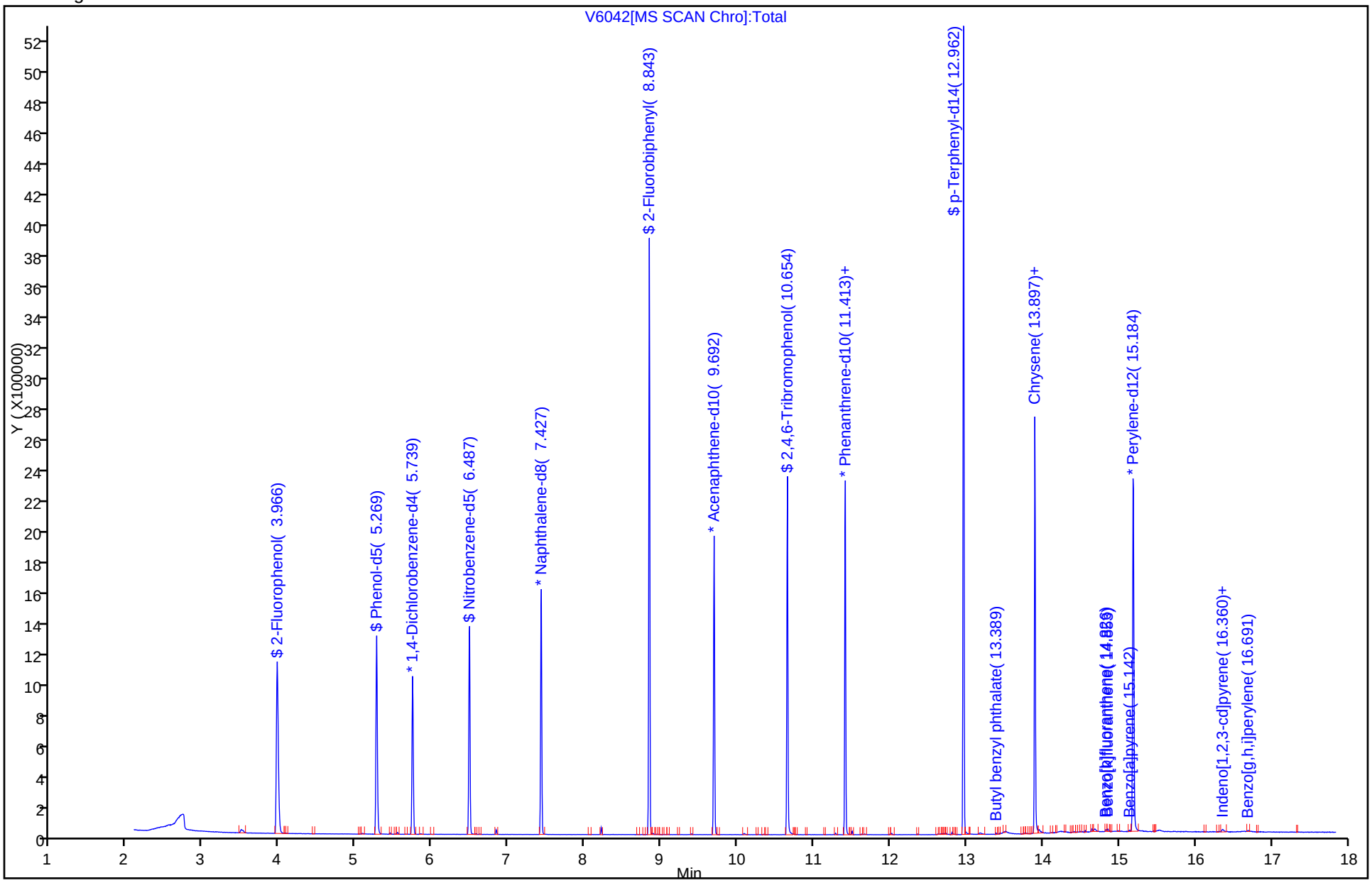
Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.496	368	0.0293	

Report Date: 25-Oct-2012 15:48:49 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D

Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

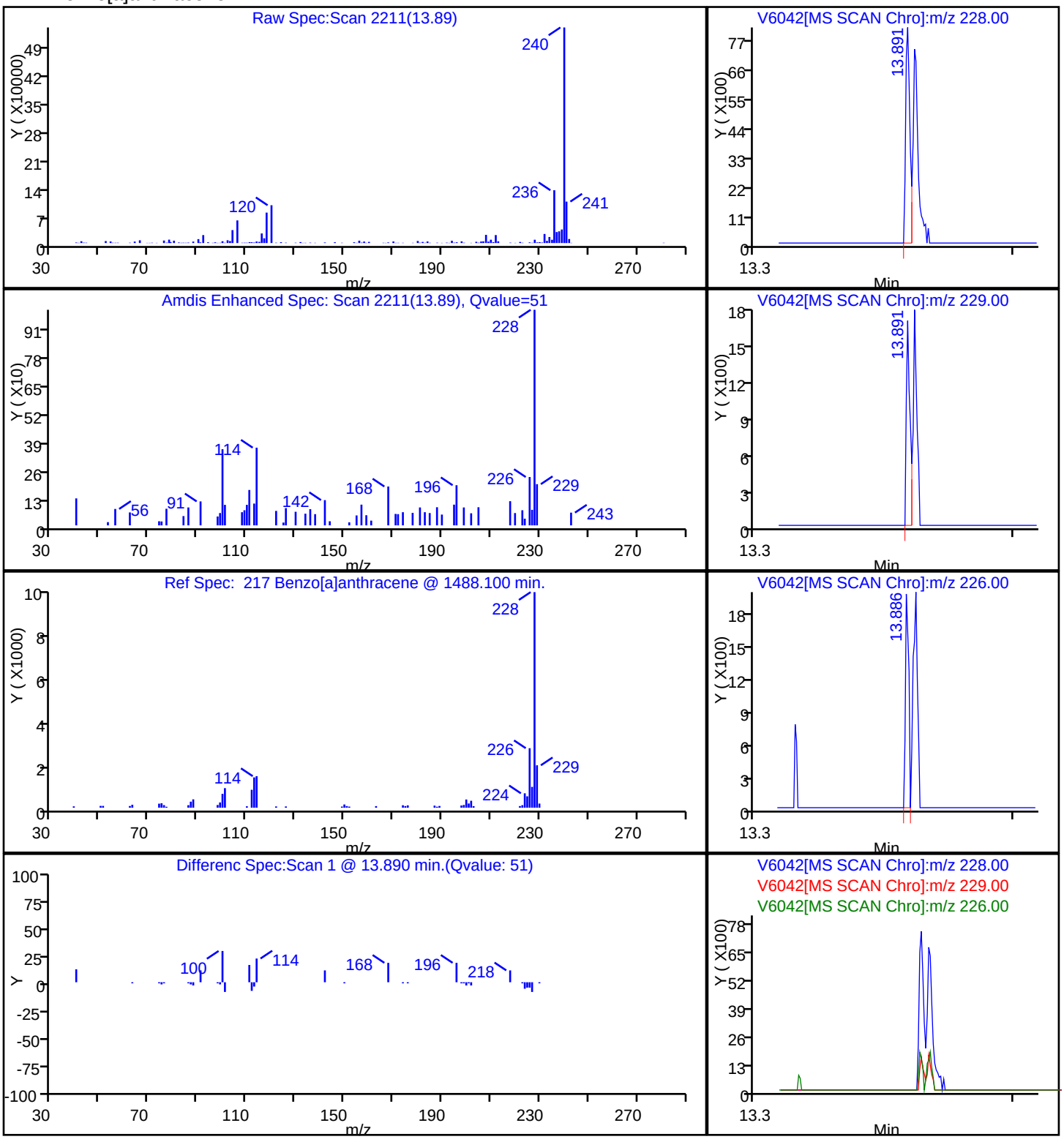


Report Date: 25-Oct-2012 15:48:49 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D

Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]anthracene

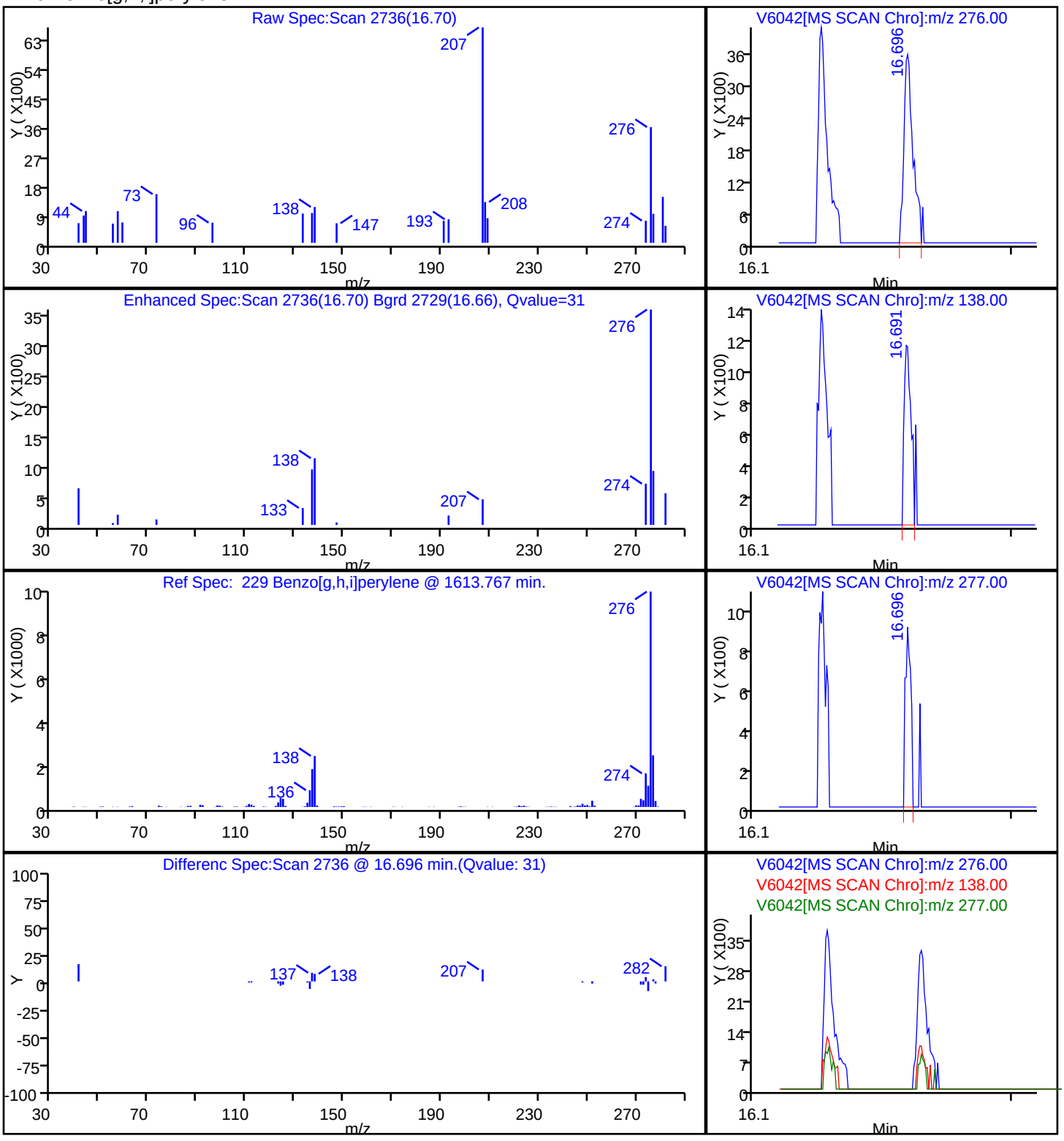


Report Date: 25-Oct-2012 15:48:49 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D

Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

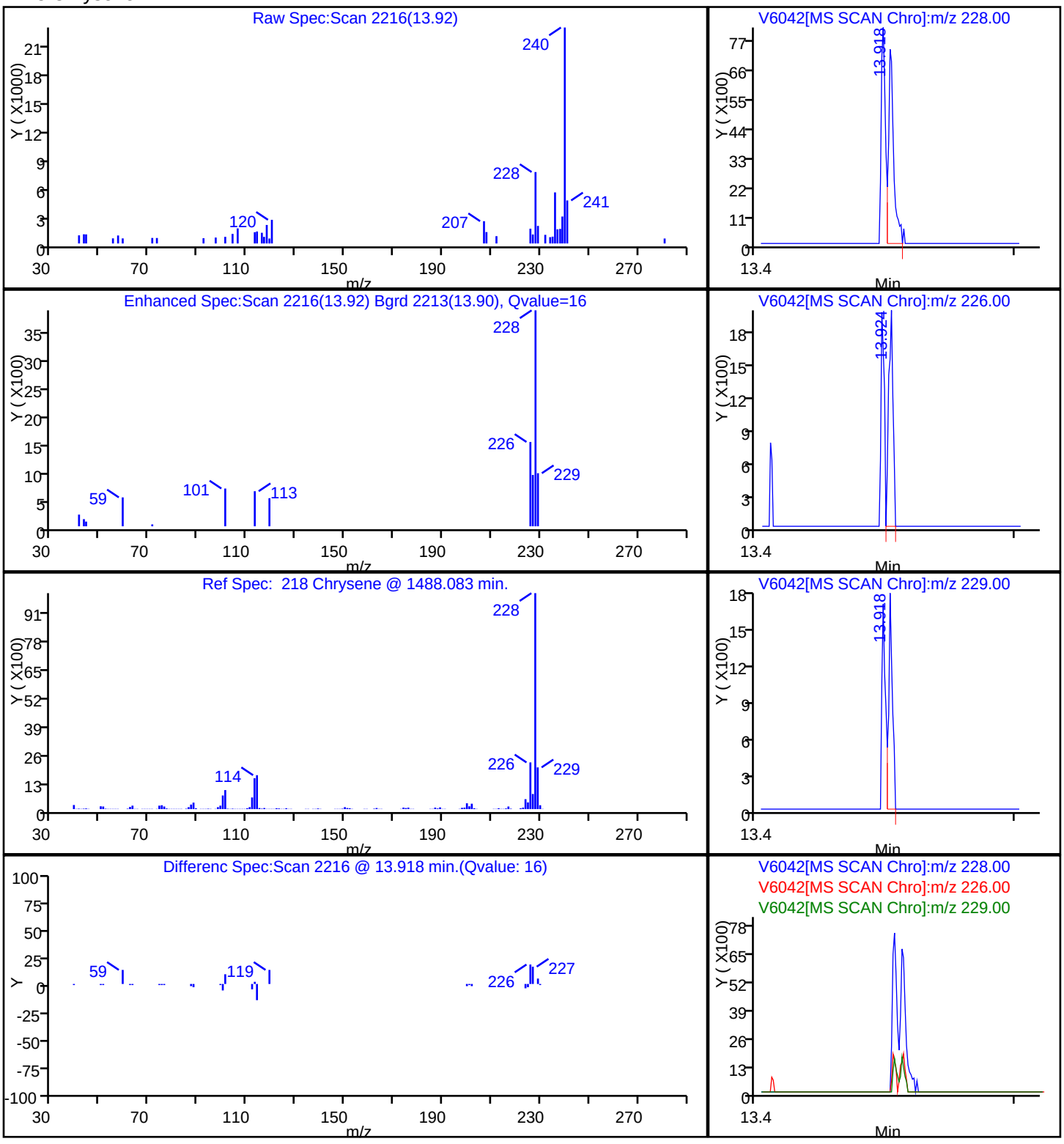
229 Benzo[g,h,i]perylene



Report Date: 25-Oct-2012 15:48:49 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D		
Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

218 Chrysene

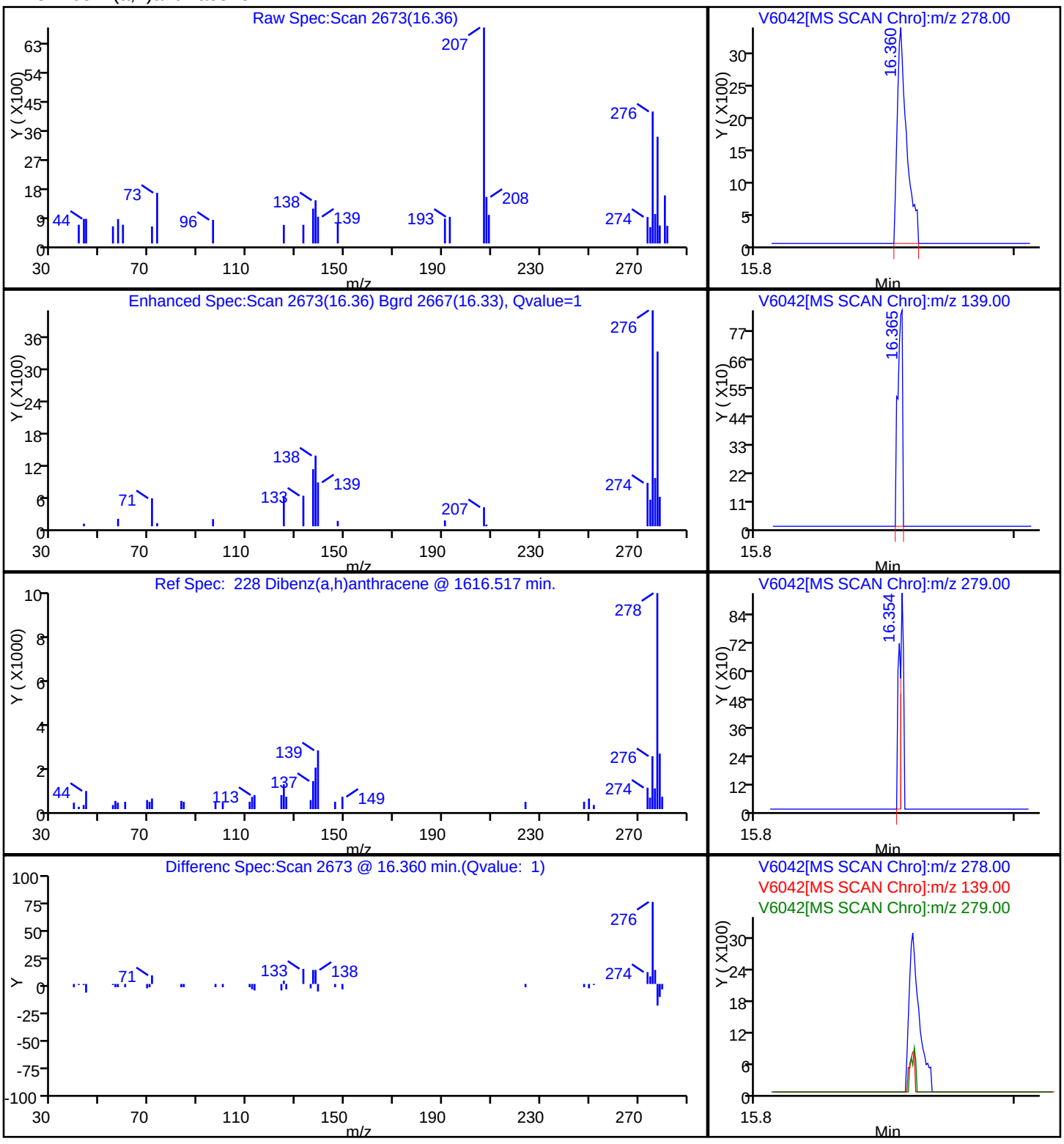


Report Date: 25-Oct-2012 15:48:49 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D

Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

228 Dibenz(a,h)anthracene



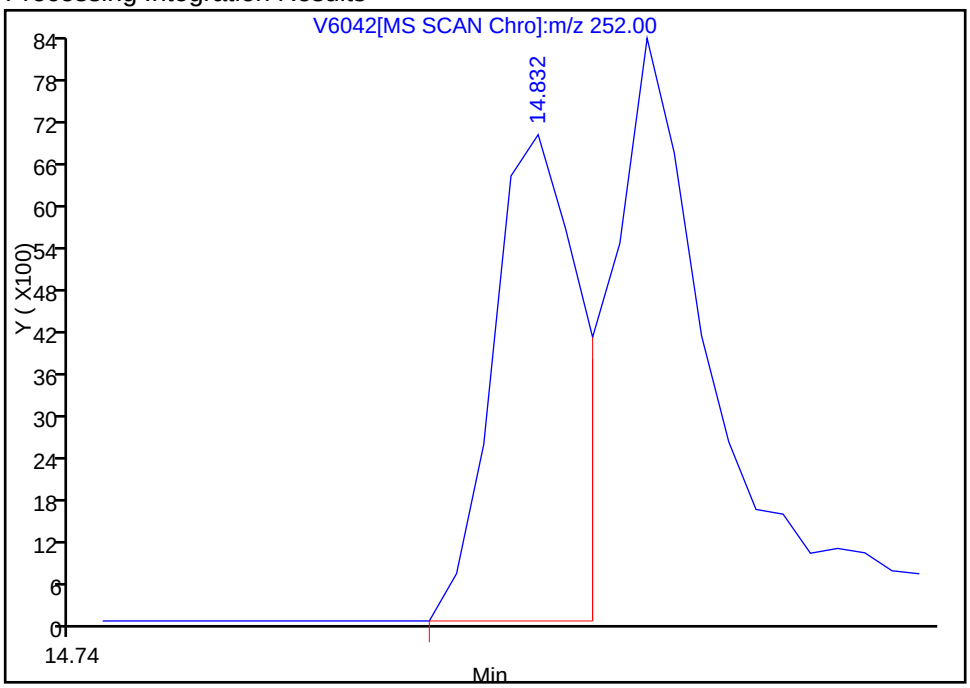
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6042.D		
Injection Date:	18-Oct-2012 17:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-007830-101112-005	Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

222 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.85

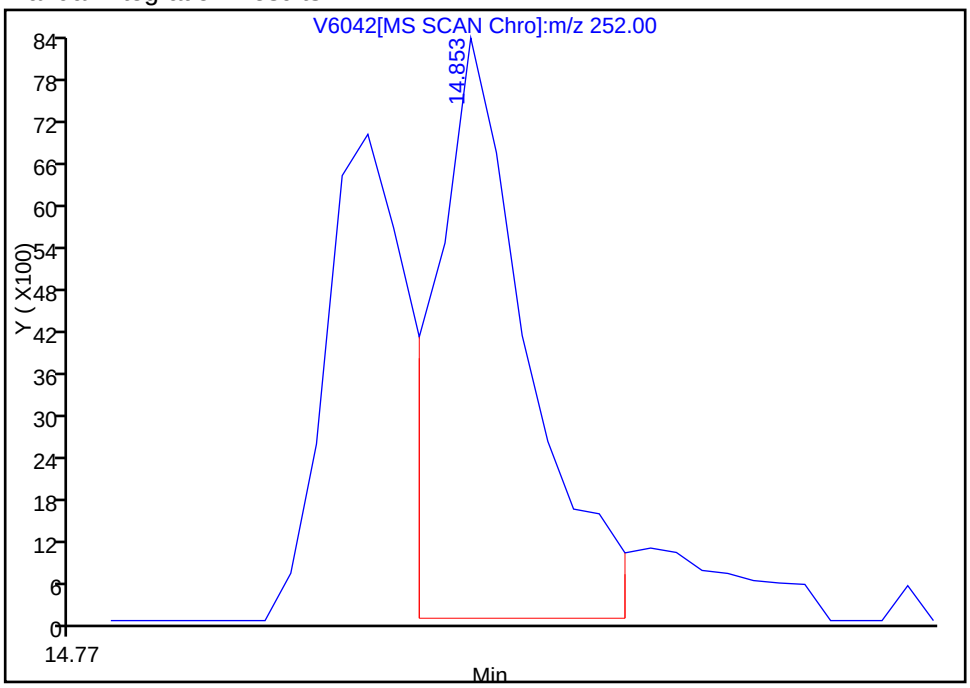
Processing Integration Results

RT: 14.83
Response: 8401
Amount: 0.294685



Manual Integration Results

RT: 14.85
Response: 11200
Amount: 0.392866



Reviewer: lyh, 19-Oct-2012 11:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 78493

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2012 18:47 Calibration End Date: 08/28/2012 20:47 Calibration ID: 9853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-78493/8	V4453.D
Level 2	IC 480-78493/9	V4454.D
Level 3	IC 480-78493/10	V4455.D
Level 4	IC 480-78493/11	V4456.D
Level 5	IC 480-78493/12	V4457.D
Level 6	IC 480-78493/13	V4458.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								
Benzaldehyde	0.9887 0.9674	0.9664	1.0132	0.9959	0.9933	Ave		0.9875				1.8		15.0			
Acetophenone	1.7782 1.7052	1.7371	1.8010	1.7648	1.7678	Ave		1.7590				1.9		15.0			
Caprolactam	0.0712 0.1164	0.0991	0.1090	0.1139	0.1168	Lin1	-0.265	0.1175							1.0000		0.9900
1,2,4,5-Tetrachlorobenzene	0.5055 0.4572	0.4971	0.4988	0.4868	0.4787	Ave		0.4874				3.6		15.0			
Biphenyl	1.4821 1.3287	1.4508	1.4505	1.4117	1.3847	Ave		1.4181				3.9		15.0			
2,3,4,6-Tetrachlorophenol	0.1501 0.2463	0.2061	0.2354	0.2436	0.2480	Lin1	-0.573	0.2500							1.0000		0.9900
Atrazine	0.2930 0.3351	0.3192	0.3250	0.3376	0.3416	Ave		0.3253				5.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 78493

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2012 18:47 Calibration End Date: 08/28/2012 20:47 Calibration ID: 9853

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-78493/8	V4453.D
Level 2	IC 480-78493/9	V4454.D
Level 3	IC 480-78493/10	V4455.D
Level 4	IC 480-78493/11	V4456.D
Level 5	IC 480-78493/12	V4457.D
Level 6	IC 480-78493/13	V4458.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	8837 286348	36635	87514	149348	215263	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	15893 504757	65851	155563	264657	383112	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	2544 138496	15146	38305	68603	102325	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	10553 318995	44466	102960	172719	246502	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	30940 926959	129775	299375	500925	713075	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	3134 171849	18435	48577	86446	127707	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	6117 233766	28549	67087	119785	175932	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4453.D		
Lims ID:	IC 5 - TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 18:47:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0014450-008		
Misc. Info.:	IC 5 - TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	78493	Lims Sample ID:	8
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:51:08	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:51:08

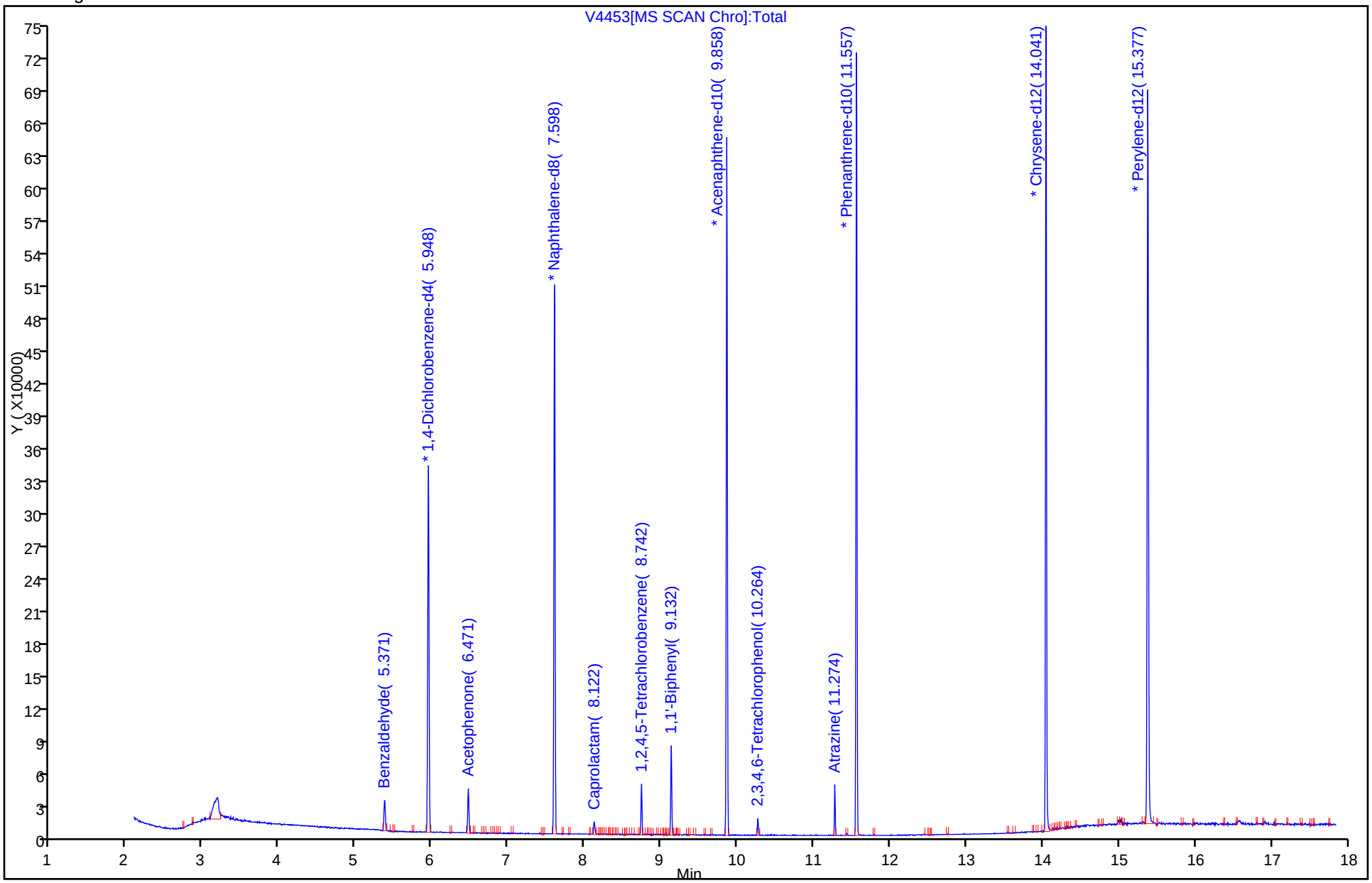
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.947	0.001	93	71501	40.0	
* 2 Naphthalene-d8	136	7.598	7.604	-0.006	98	285668	40.0	
* 3 Acenaphthene-d10	164	9.858	9.863	-0.005	89	167005	40.0	
* 4 Phenanthrene-d10	188	11.557	11.562	-0.005	97	290986	40.0	
* 5 Chrysene-d12	240	14.046	14.052	-0.006	98	276782	40.0	
* 6 Perylene-d12	264	15.377	15.387	-0.010	97	315888	40.0	
88 Benzaldehyde	77	5.376	5.376	0.0	72	8837	4.99	
104 Acetophenone	105	6.471	6.471	0.0	76	15893	5.02	
127 Caprolactam	113	8.122	8.122	0.0	32	2544	5.26	
138 1,2,4,5-Tetrachlorobenzene	216	8.742	8.742	0.0	52	10553	5.12	
144 1,1'-Biphenyl	154	9.132	9.131	0.001	80	30940	5.16	
158 2,3,4,6-Tetrachlorophenol	232	10.264	10.264	0.0	1	3134	5.30	
180 Atrazine	200	11.274	11.274	0.0	38	6117	4.53	

Report Date: 28-Aug-2012 20:51:09 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4453.D

Injection Date:	28-Aug-2012 18:47:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4454.D		
Lims ID:	IC 20 - TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 19:11:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0014450-009		
Misc. Info.:	IC 20 - TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	78493	Lims Sample ID:	9
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:51:12	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:51:12

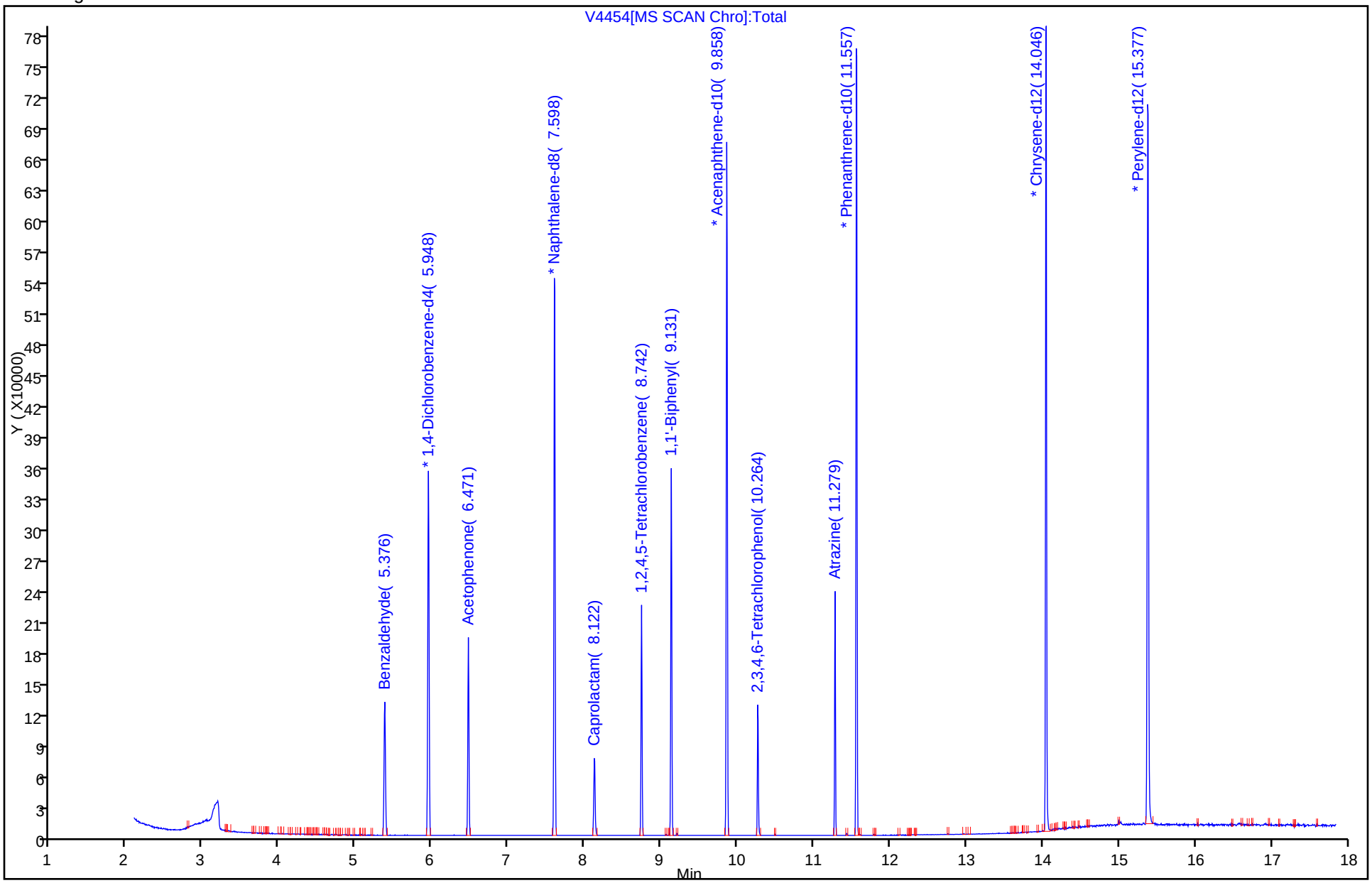
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	93	75816	40.0	
* 2 Naphthalene-d8	136	7.598	7.598	0.0	98	305740	40.0	
* 3 Acenaphthene-d10	164	9.858	9.858	0.0	90	178897	40.0	
* 4 Phenanthrene-d10	188	11.557	11.557	0.0	97	310150	40.0	
* 5 Chrysene-d12	240	14.046	14.046	0.0	98	288578	40.0	
* 6 Perylene-d12	264	15.382	15.382	0.0	97	331611	40.0	
88 Benzaldehyde	77	5.376	5.376	0.0	87	36635	19.5	
104 Acetophenone	105	6.471	6.471	0.0	93	65851	19.6	
127 Caprolactam	113	8.122	8.122	0.0	69	15146	19.1	
138 1,2,4,5-Tetrachlorobenzene	216	8.742	8.742	0.0	92	44466	20.2	
144 1,1'-Biphenyl	154	9.131	9.131	0.0	93	129775	20.2	
158 2,3,4,6-Tetrachlorophenol	232	10.264	10.264	0.0	56	18435	18.8	
180 Atrazine	200	11.279	11.279	0.0	82	28549	19.7	

Report Date: 28-Aug-2012 20:51:13 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4454.D

Injection Date:	28-Aug-2012 19:11:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

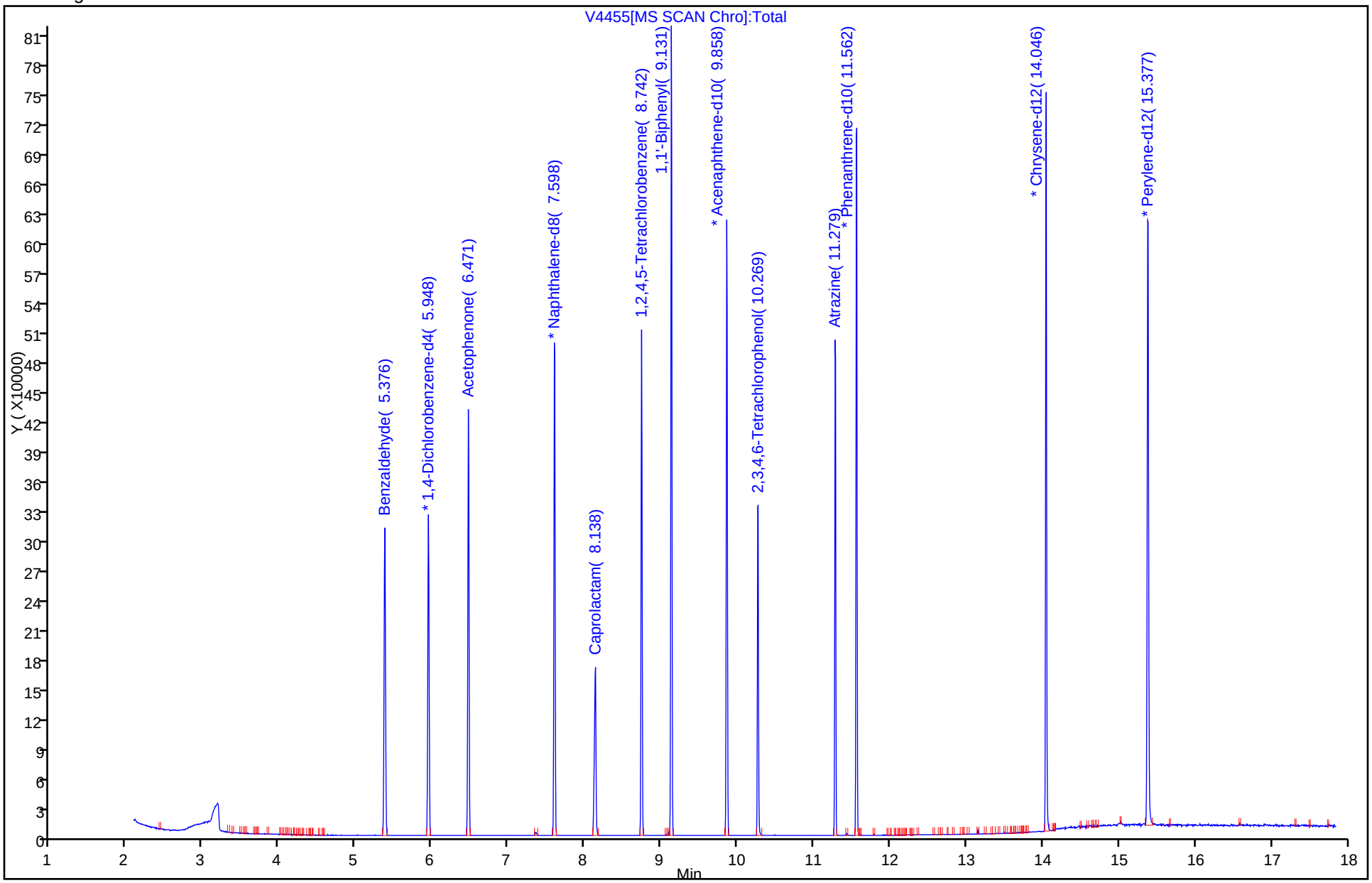
Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4455.D		
Lims ID:	IC 50 - TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 19:35:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	480-0014450-010		
Misc. Info.:	IC 50 - TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	78493	Lims Sample ID:	10
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:51:20	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:51:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	92	69099	40.0	
* 2 Naphthalene-d8	136	7.598	7.598	0.0	98	281043	40.0	
* 3 Acenaphthene-d10	164	9.858	9.858	0.0	90	165116	40.0	
* 4 Phenanthrene-d10	188	11.562	11.562	0.0	97	286993	40.0	
* 5 Chrysene-d12	240	14.046	14.046	0.0	97	267905	40.0	
* 6 Perylene-d12	264	15.382	15.382	0.0	98	303532	40.0	
88 Benzaldehyde	77	5.376	5.376	0.0	91	87514	51.1	
104 Acetophenone	105	6.471	6.471	0.0	94	155563	50.9	
127 Caprolactam	113	8.138	8.138	0.0	74	38305	48.8	
138 1,2,4,5-Tetrachlorobenzene	216	8.742	8.742	0.0	97	102960	50.6	
144 1,1'-Biphenyl	154	9.131	9.131	0.0	94	299375	50.5	
158 2,3,4,6-Tetrachlorophenol	232	10.269	10.269	0.0	71	48577	49.4	
180 Atrazine	200	11.284	11.284	0.0	90	67087	50.3	

Report Date: 28-Aug-2012 20:51:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4455.D		
Injection Date:	28-Aug-2012 19:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4456.D		
Lims ID:	IC 80 - TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 19:59:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0014450-011		
Misc. Info.:	IC 80 - TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	78493	Lims Sample ID:	11
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:51:23	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:51:23

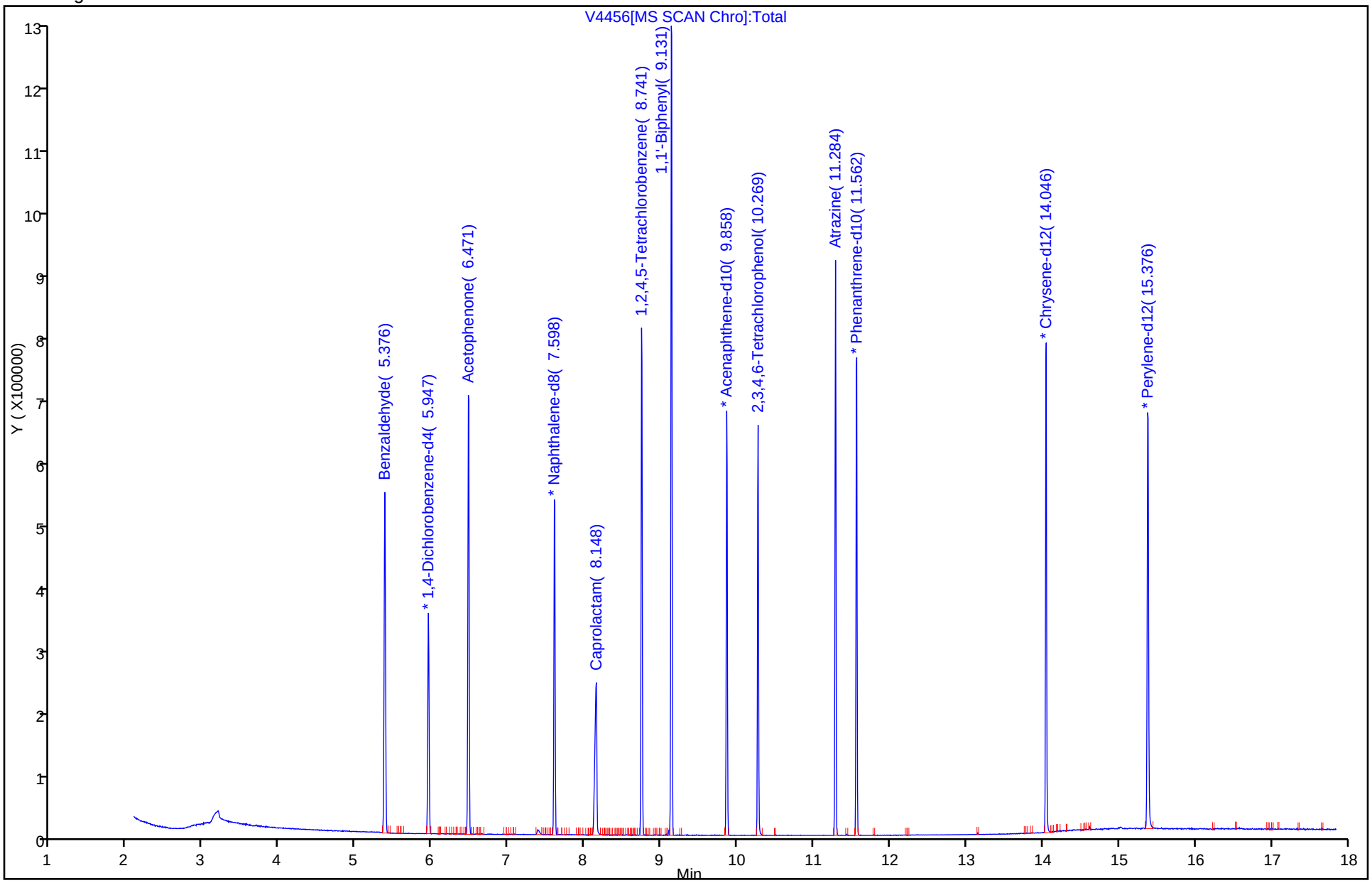
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.947	5.948	-0.001	93	74981	40.0	
* 2 Naphthalene-d8	136	7.598	7.598	0.0	98	301240	40.0	
* 3 Acenaphthene-d10	164	9.858	9.858	0.0	90	177419	40.0	
* 4 Phenanthrene-d10	188	11.562	11.562	0.0	97	309831	40.0	
* 5 Chrysene-d12	240	14.046	14.046	0.0	98	286876	40.0	
* 6 Perylene-d12	264	15.382	15.382	0.0	98	326521	40.0	
88 Benzaldehyde	77	5.376	5.376	0.0	91	149348	80.4	
104 Acetophenone	105	6.476	6.471	0.005	96	264657	79.8	
127 Caprolactam	113	8.148	8.138	0.010	74	68603	80.0	
138 1,2,4,5-Tetrachlorobenzene	216	8.747	8.742	0.005	97	172719	78.9	
144 1,1'-Biphenyl	154	9.137	9.131	0.006	95	500925	78.6	
158 2,3,4,6-Tetrachlorophenol	232	10.269	10.269	0.0	72	86446	80.2	
180 Atrazine	200	11.284	11.284	0.0	94	119785	83.5	

Report Date: 28-Aug-2012 20:51:24 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4456.D

Injection Date:	28-Aug-2012 19:59:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Lims ID:	IC 120- TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 20:23:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0014450-012		
Misc. Info.:	IC 120- TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	78493	Lims Sample ID:	12
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:51:28	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:51:28

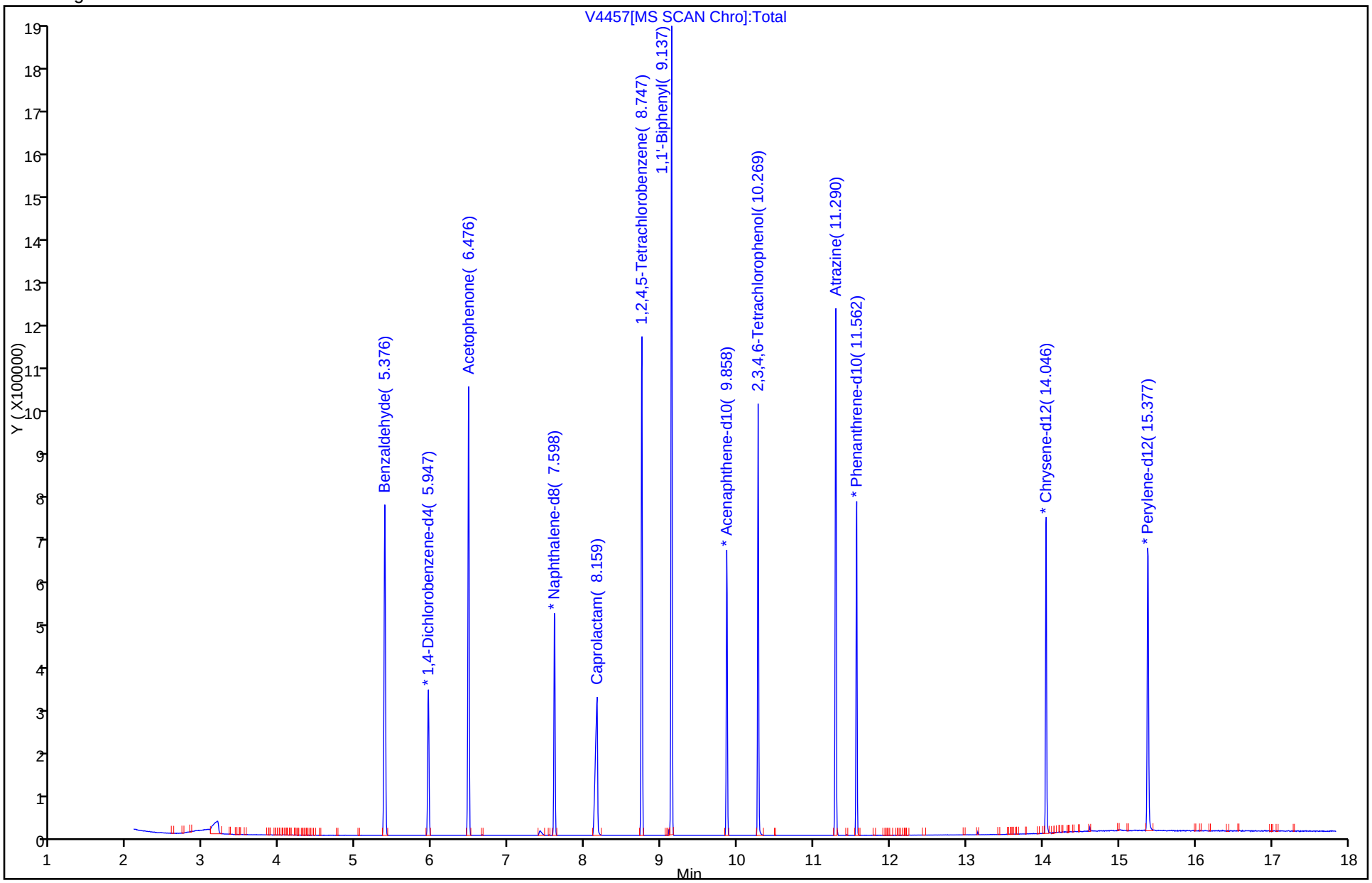
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.947	5.948	-0.001	93	72239	40.0	
* 2 Naphthalene-d8	136	7.598	7.598	0.0	98	292060	40.0	
* 3 Acenaphthene-d10	164	9.858	9.858	0.0	91	171660	40.0	
* 4 Phenanthrene-d10	188	11.562	11.562	0.0	96	302872	40.0	
* 5 Chrysene-d12	240	14.046	14.046	0.0	98	275168	40.0	
* 6 Perylene-d12	264	15.382	15.382	0.0	98	315872	40.0	
88 Benzaldehyde	77	5.376	5.376	0.0	91	215263	120.2	
104 Acetophenone	105	6.476	6.471	0.005	96	383112	119.9	
127 Caprolactam	113	8.159	8.138	0.021	74	102325	121.9	
138 1,2,4,5-Tetrachlorobenzene	216	8.747	8.742	0.005	97	246502	116.4	
144 1,1'-Biphenyl	154	9.137	9.131	0.006	95	713075	115.7	
158 2,3,4,6-Tetrachlorophenol	232	10.269	10.269	0.0	73	127707	121.3	
180 Atrazine	200	11.290	11.284	0.006	95	175932	126.8	

Report Date: 28-Aug-2012 20:51:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D

Injection Date:	28-Aug-2012 20:23:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4458.D		
Lims ID:	IC 160 - TCLADD	Client ID:	
Inject. Date:	28-Aug-2012 20:47:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0014450-013		
Misc. Info.:	IC 160 - TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	78493	Lims Sample ID:	13
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 21:09:26	Calib Date:	28-Aug-2012 20:47:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4458.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 21:09:26

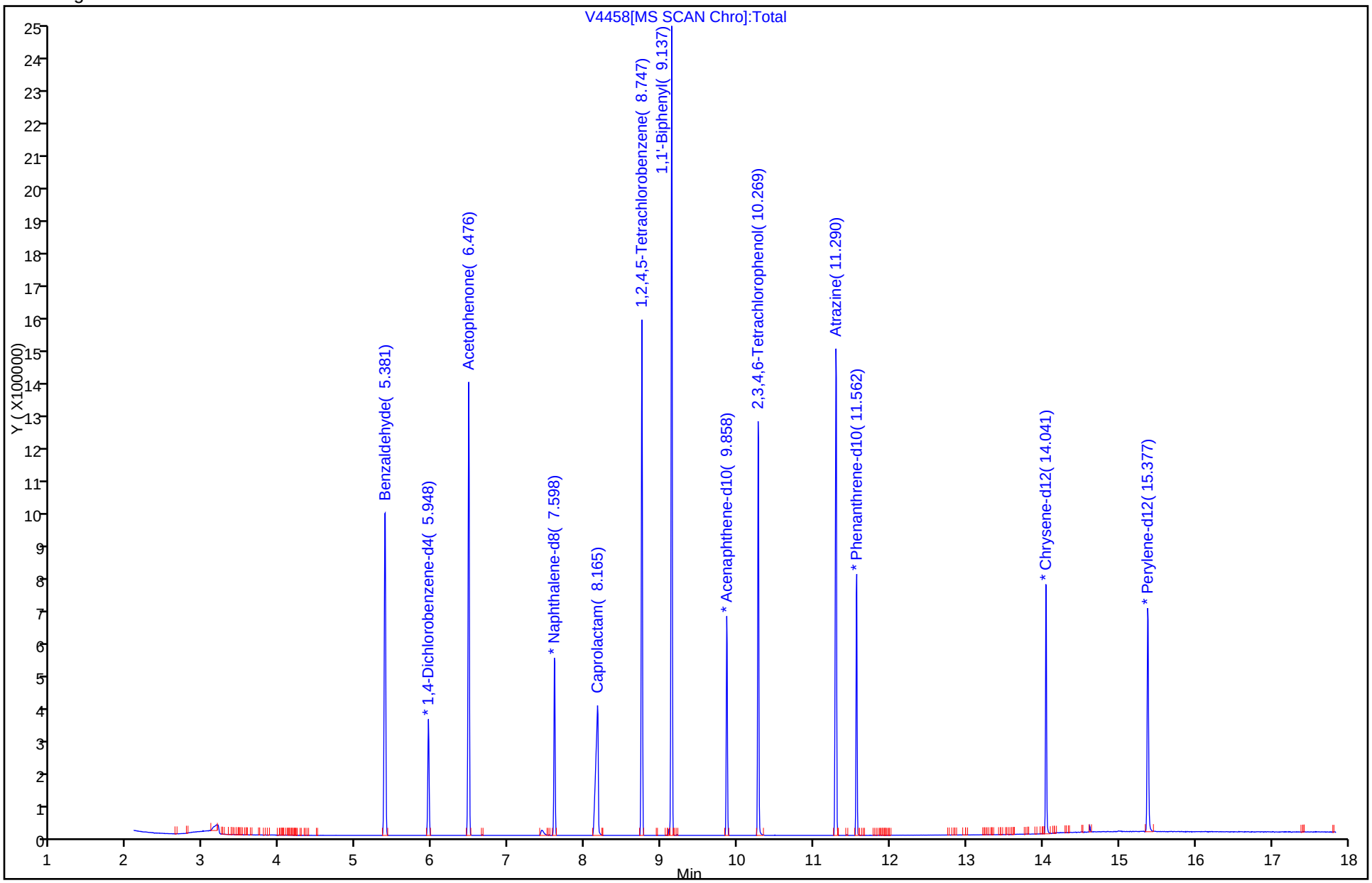
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.948	5.948	0.0	92	74002	40.0	
* 2 Naphthalene-d8	136	7.598	7.598	0.0	98	297449	40.0	
* 3 Acenaphthene-d10	164	9.858	9.858	0.0	90	174411	40.0	
* 4 Phenanthrene-d10	188	11.562	11.562	0.0	97	309358	40.0	
* 5 Chrysene-d12	240	14.046	14.046	0.0	98	274466	40.0	
* 6 Perylene-d12	264	15.377	15.382	-0.005	97	323329	40.0	
88 Benzaldehyde	77	5.381	5.376	0.005	91	286348	156.7	
104 Acetophenone	105	6.476	6.471	0.005	97	504757	155.1	
127 Caprolactam	113	8.165	8.138	0.027	74	138496	160.7	
138 1,2,4,5-Tetrachlorobenzene	216	8.747	8.742	0.005	97	318995	150.1	
144 1,1'-Biphenyl	154	9.137	9.131	0.006	95	926959	149.9	
158 2,3,4,6-Tetrachlorophenol	232	10.275	10.269	0.006	73	171849	160.0	
180 Atrazine	200	11.295	11.284	0.011	95	233766	164.8	

Report Date: 28-Aug-2012 21:09:26 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4458.D

Injection Date:	28-Aug-2012 20:47:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-85675/2	V5913.D
Level 2	IC 480-85675/3	V5914.D
Level 3	ICIS 480-85675/4	V5915.D
Level 4	IC 480-85675/5	V5916.D
Level 5	IC 480-85675/6	V5917.D
Level 6	IC 480-85675/7	V5918.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.5525 0.4857	0.5207	0.5338	0.5235	0.5119	Ave		0.5214				4.3		15.0			
Pyridine	0.7862 0.8186	0.8466	0.8745	0.8524	0.8473	Ave		0.8376				3.7		15.0			
Phenol	1.6221 1.4768	1.6100	1.6642	1.6084	1.5473	Ave		1.5881				4.2		15.0			
Aniline	1.9258 1.7632	1.8998	1.9730	1.9064	1.8622	Ave		1.8884				3.8		15.0			
Bis(2-chloroethyl)ether	1.2963 1.1585	1.2042	1.2641	1.2065	1.1989	Ave		1.2214				4.1		15.0			
2-Chlorophenol	1.3631 1.3160	1.3539	1.4060	1.3756	1.3748	Ave		1.3649				2.2		15.0			
1,3-Dichlorobenzene	1.5476 1.4397	1.4803	1.5636	1.5128	1.4954	Ave		1.5066				3.0		15.0			
1,4-Dichlorobenzene	1.5821 1.4673	1.5492	1.5866	1.5426	1.5346	Ave		1.5438				2.8		15.0			
Benzyl alcohol	0.6313 0.7613	0.7684	0.8380	0.8167	0.8009	Ave		0.7694				9.6		15.0			
1,2-Dichlorobenzene	1.5257 1.3649	1.4526	1.5045	1.4695	1.4479	Ave		1.4609				3.8		15.0			
2-Methylphenol	1.1192 1.0903	1.1400	1.2097	1.1634	1.1353	Ave		1.1430				3.6		15.0			
2,2'-Oxybis(1-chloropropane)	1.5761 1.3366	1.5115	1.5467	1.4820	1.4197	Ave		1.4788				6.0		15.0			
N-Nitrosodi-n-propylamine	0.6874 0.7840	0.7739	0.8369	0.8267	0.8102	Ave		0.7865			0.0500	6.9		15.0			
4-Methylphenol	1.1427 1.1497	1.1769	1.2405	1.2181	1.2008	Ave		1.1881				3.3		15.0			
Hexachloroethane	0.4878 0.4927	0.4914	0.5186	0.5099	0.5108	Ave		0.5019				2.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.2635 0.2799	0.2863	0.3004	0.2924	0.2910	Ave		0.2856				4.5		15.0			
Isophorone	0.5099 0.4970	0.5199	0.5408	0.5255	0.5146	Ave		0.5180				2.9		15.0			
2-Nitrophenol	0.1326 0.1821	0.1624	0.1844	0.1845	0.1873	Ave		0.1722				12.0		15.0			
2,4-Dimethylphenol	0.2707 0.2728	0.2802	0.2951	0.2889	0.2835	Ave		0.2819				3.3		15.0			
Tetraethyl lead	0.1196 0.1193	0.1210	0.1278	0.1279	0.1242	Ave		0.1233				3.2		15.0			
Bis(2-chloroethoxy)methane	0.3575 0.3194	0.3460	0.3517	0.3430	0.3360	Ave		0.3423				3.9		15.0			
2,4-Dichlorophenol	0.2704 0.2577	0.2688	0.2818	0.2733	0.2700	Ave		0.2703				2.9		15.0			
Benzoic acid	0.1695 0.2247	0.0990	0.1910	0.1897	0.2084	Qua	-6.584	0.1969	0.0001						0.9910		0.9900
1,2,4-Trichlorobenzene	0.3216 0.2893	0.3141	0.3214	0.3147	0.3054	Ave		0.3111				3.9		15.0			
Naphthalene	1.0259 0.8248	0.9787	0.9891	0.9434	0.8904	Ave		0.9421				7.8		15.0			
4-Chloroaniline	0.3894 0.3738	0.3966	0.4094	0.4003	0.3863	Ave		0.3926				3.1		15.0			
Hexachlorobutadiene	0.1767 0.1608	0.1658	0.1732	0.1694	0.1681	Ave		0.1690				3.3		15.0			
4-Chloro-3-methylphenol	0.2236 0.2351	0.2361	0.2539	0.2481	0.2452	Ave		0.2403				4.5		15.0			
2-Methylnaphthalene	0.6735 0.5684	0.6489	0.6605	0.6411	0.6039	Ave		0.6327				6.2		15.0			
Hexachlorocyclopentadiene	0.0865 0.2877	0.1622	0.2269	0.2574	0.2792	Lin1	-1.345	0.2833			0.0500				0.9930		0.9900
2,4,6-Trichlorophenol	0.3232 0.3405	0.3209	0.3439	0.3460	0.3437	Ave		0.3364				3.3		15.0			
2,4,5-Trichlorophenol	0.3359 0.3723	0.3544	0.3813	0.3783	0.3798	Ave		0.3670				4.9		15.0			
2-Chloronaphthalene	1.0938 0.9611	1.0817	1.0780	1.0491	1.0068	Ave		1.0451				4.9		15.0			
2-Nitroaniline	0.1260 0.2370	0.1932	0.2248	0.2369	0.2369	Lin1	-0.648	0.2412							1.0000		0.9900
Dimethyl phthalate	1.1804 1.1064	1.1996	1.2111	1.1778	1.1441	Ave		1.1699				3.3		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.1373 0.2795	0.2213	0.2661	0.2737	0.2789	Lin1	-0.829	0.2839							1.0000		0.9900
Acenaphthylene	1.6443 1.4857	1.6737	1.7058	1.6465	1.5747	Ave		1.6218				4.9		15.0			
3-Nitroaniline	0.1834 0.3018	0.2628	0.3045	0.3136	0.3125	Lin1	-0.681	0.3135							0.9990		0.9900
Acenaphthene	1.1163 0.9476	1.0662	1.0711	1.0487	0.9901	Ave		1.0400				5.9		15.0			
2,4-Dinitrophenol	0.0326 0.1653	0.1532	0.1132	0.1396	0.1551	Qua	-0.383	0.1186	0.0003		0.0500				0.9970		0.9900
4-Nitrophenol	0.0545 0.1163	0.1616	0.0989	0.1056	0.1121	Qua	0.3295	0.0910	0.0001		0.0500				0.9930		0.9900
Dibenzofuran	1.5777 1.2891	1.5125	1.5028	1.4478	1.3687	Ave		1.4498				7.3		15.0			
2,4-Dinitrotoluene	0.2641 0.3713	0.3395	0.3755	0.3783	0.3746	Ave		0.3506				13.0		15.0			
Diethyl phthalate	1.1449 1.0090	1.1530	1.1767	1.1099	1.0606	Ave		1.1090				5.7		15.0			
Fluorene	1.2399 0.9985	1.2443	1.2321	1.1656	1.0779	Ave		1.1597				8.8		15.0			
4-Chlorophenyl phenyl ether	0.6673 0.5414	0.6450	0.6387	0.6167	0.5821	Ave		0.6152				7.5		15.0			
4-Nitroaniline	0.1808 0.3182	0.2637	0.3011	0.3157	0.3183	Lin1	-0.805	0.3228							1.0000		0.9900
4,6-Dinitro-2-methylphenol	0.0647 0.1483	0.1897	0.1219	0.1358	0.1454	LinF		0.1447							0.9910		0.9900
N-Nitrosodiphenylamine	0.5029 0.4666	0.4953	0.5200	0.5079	0.4998	Ave		0.4987				3.6		15.0			
1,2-Diphenylhydrazine	1.0484 0.9115	1.0452	1.0508	1.0110	0.9642	Ave		1.0052				5.6		15.0			
4-Bromophenyl phenyl ether	0.2179 0.2114	0.2048	0.2164	0.2189	0.2182	Ave		0.2146				2.6		15.0			
Hexachlorobenzene	0.2133 0.2130	0.2053	0.2162	0.2202	0.2212	Ave		0.2149				2.7		15.0			
Pentachlorophenol	0.0862 0.1290	0.1704	0.1091	0.1147	0.1263	LinF		0.1256							0.9900		0.9900
Phenanthrene	1.1490 0.8883	1.0741	1.0836	1.0332	0.9725	Ave		1.0334				8.9		15.0			
Anthracene	1.1244 0.9175	1.1074	1.1100	1.0625	1.0023	Ave		1.0540				7.6		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	0.9994 0.8754	0.9570	0.9817	0.9699	0.9294	Ave		0.9521				4.7		15.0			
Di-n-butyl phthalate	1.1243 0.9392	1.0839	1.1553	1.1199	1.0555	Ave		1.0797				7.1		15.0			
Fluoranthene	1.1723 1.0022	1.1189	1.1443	1.1441	1.0796	Ave		1.1102				5.5		15.0			
Benzidine	0.4046 0.5504	0.4575	0.5486	0.5636	0.5652	Ave		0.5150				13.0		15.0			
Pyrene	1.2470 0.9272	1.1110	1.1194	1.0791	1.0143	Ave		1.0830				9.9		15.0			
Butyl benzyl phthalate	0.4290 0.3945	0.4694	0.4938	0.4717	0.4337	Ave		0.4487				8.1		15.0			
3,3'-Dichlorobenzidine	0.2912 0.4215	0.3371	0.3912	0.4063	0.4224	Ave		0.3783				14.0		15.0			
Bis(2-ethylhexyl) phthalate	0.5944 0.5367	0.6256	0.6750	0.6500	0.6017	Ave		0.6139				7.9		15.0			
Benzo(a)anthracene	1.1786 0.9115	1.1058	1.0984	1.0735	0.9951	Ave		1.0605				8.9		15.0			
Chrysene	1.1970 0.9203	1.0712	1.0950	1.0407	0.9558	Ave		1.0467				9.5		15.0			
Di-n-octyl phthalate	0.8515 1.0063	0.9716	1.0939	1.1121	1.0671	Ave		1.0171				9.5		15.0			
Benzo(b)fluoranthene	0.9181 0.9406	0.9947	0.9714	1.0016	0.9653	Ave		0.9653				3.3		15.0			
Benzo(k)fluoranthene	1.1718 0.8766	1.1058	1.1655	1.0657	0.9775	Ave		1.0605				11.0		15.0			
Benzo(a)pyrene	0.8329 0.8150	0.8598	0.9360	0.9164	0.8722	Ave		0.8721				5.4		15.0			
Indeno(1,2,3-cd)pyrene	0.6917 1.0576	0.7856	0.9715	0.9799	0.9909	Ave		0.9129				15.0		15.0			
Dibenz(a,h)anthracene	0.5307 0.8646	0.6453	0.8088	0.8216	0.8180	Lin1	-2.109	0.8526							0.9980		0.9900
Benzo(g,h,i)perylene	0.5941 0.8633	0.6323	0.7645	0.7587	0.7969	Ave		0.7350				14.0		15.0			
2-Fluorophenol	1.1312 1.1407	1.1413	1.1934	1.1751	1.1653	Ave		1.1578				2.1		15.0			
Phenol-d5	1.3855 1.3268	1.3697	1.4362	1.4101	1.3814	Ave		1.3849				2.7		15.0			
Nitrobenzene-d5	0.2213 0.2709	0.2577	0.2801	0.2804	0.2803	Ave		0.2651				8.8		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorobiphenyl	1.2576 1.0746	1.2133	1.2157	1.1694	1.1350	Ave		1.1776				5.6		15.0			
2,4,6-Tribromophenol	0.0709 0.0936	0.0773	0.0846	0.0897	0.0928	Ave		0.0848				11.0		15.0			
p-Terphenyl-d14	0.8445 0.7073	0.8005	0.8245	0.7927	0.7593	Ave		0.7881				6.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-85675/2	V5913.D
Level 2	IC 480-85675/3	V5914.D
Level 3	ICIS 480-85675/4	V5915.D
Level 4	IC 480-85675/5	V5916.D
Level 5	IC 480-85675/6	V5917.D
Level 6	IC 480-85675/7	V5918.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	14493 474314	59833	152024	245920	370517	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	20623 799379	97291	249064	400416	613225	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	42550 1442025	185017	474008	755584	1119832	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	50516 1721685	218319	561949	895555	1347756	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	34004 1131209	138378	360055	566785	867688	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	35755 1285028	155579	400462	646216	995022	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	40595 1405846	170113	445356	710659	1082283	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	41501 1432804	178030	451894	724678	1110692	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	16560 743415	88300	238674	383653	579652	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	40022 1332790	166926	428502	690339	1047919	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	29357 1064620	131003	344540	546509	821700	5.00 160	20.0	50.0	80.0	120
2,2'-Oxybis(1-chloropropane)	DCB	Ave	41344 1305096	173693	440544	696188	1027483	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	18031 765554	88938	238363	388340	586348	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	29975 1122670	135245	353307	572215	869069	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	12796 481093	56470	147702	239539	369667	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	26847 1106460	129196	342216	547624	850045	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	51951 1964665	234661	616075	984072	1503054	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	13515 719997	73307	210058	345441	547112	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	27586 1078387	126462	336193	541021	828011	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	12187 471528	54617	145585	239521	362680	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	36427 1262422	156147	400605	642310	981485	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	27549 1018762	121317	320954	511827	788673	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Qua	345362 2664905	267974	652740	1065487	1825778	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	32765 1143626	141781	366076	589398	892132	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	104530 3260527	441700	1126750	1766756	2600637	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	39675 1477723	179011	466383	749581	1128313	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	18001 635751	74824	197353	317298	491008	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	22781 929265	106576	289239	464628	716296	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	68627 2246777	292875	752394	1200572	1763922	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Lin1	5077 653596	42530	152134	281894	473942	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	18970 773678	84146	230589	378994	583407	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	19718 845809	92929	255653	414353	644576	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	64209 2183545	283645	722825	1149180	1708811	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Lin1	7395 538417	50650	150704	259474	402016	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	69294 2513707	314544	812072	1290112	1941870	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Lin1	8057 634994	58028	178403	299762	473448	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	96525 3375545	438876	1143728	1803525	2672783	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Lin1	10767 685719	68910	204141	343472	530417	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	65526 2152985	279575	718198	1148726	1680615	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Qua	3822 375601	40175	75869	152947	263279	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Qua	6402 264243	42363	66285	115658	190225	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	92616 2928859	396597	1007624	1585923	2323076	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	15505 843641	89018	251769	414394	635769	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	67209 2292418	302329	788971	1215699	1800122	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	72787 2268506	326265	826124	1276788	1829555	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	39174 1230032	169122	428258	675534	987954	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Lin1	10616 723023	69156	201862	345853	540306	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	LinF	13217 574604	87436	141540	253941	415012	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	51364 1807599	228236	603758	949891	1426661	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	61545 2070973	274061	704566	1107402	1636597	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	22253 819072	94387	251241	409455	622990	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	21783 825204	94612	251048	411864	631401	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	LinF	17608 499752	78511	126697	214485	360521	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	117351 3441536	494991	1258198	1932351	2775953	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	114840 3554788	510322	1288823	1987160	2861117	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	102073 3391527	441050	1139897	1813966	2653058	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	114836 3638872	499520	1341438	2094574	3013110	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	119731 3882716	515630	1328703	2139801	3081657	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	41252 2348753	220037	676648	1147564	1771456	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	127135 3956969	534308	1380600	2197127	3179140	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	43735 1683445	225728	608973	960447	1359287	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	29686 1798683	162097	482525	827146	1324019	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	60599 2290192	300864	832532	1323462	1885888	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	120167 3889816	531793	1354696	2185733	3118818	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	122042 3927377	515147	1350481	2118849	2995835	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	86815 4294472	467257	1349137	2264271	3344679	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	109464 5183060	528838	1333911	2334571	3713766	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	139708 4830731	587915	1600383	2483999	3760770	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	99301 4491263	457105	1285326	2135870	3355713	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	82469 5828069	417656	1334015	2283839	3812117	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Lin1	63273 4764457	343069	1110582	1915053	3146895	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	70839 4757048	336156	1049803	1768475	3065758	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	29673 1113828	131155	339909	552005	843398	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	36344 1295527	157401	409066	662403	999786	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	22545 1070830	116286	319110	525155	818719	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	73821 2441340	318136	815120	1280966	1926475	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	7238 362811	35629	98282	167813	264977	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	86102 3018287	384972	1016864	1613872	2379703	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1 Analy Batch No.: 85675

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/16/2012 12:03 Calibration End Date: 10/16/2012 14:05 Calibration ID: 10768

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
LinF = Linear ISTD forced zero
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5913.D		
Lims ID:	IC 5 - 8270	Client ID:	
Inject. Date:	16-Oct-2012 12:03:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	5 pt		
Misc. Info.:	5 pt		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85675	Lims Sample ID:	2
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m		
Last Update:	16-Oct-2012 15:57:17	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		
First Level Reviewer: lyh		Date:	16-Oct-2012 15:17:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	-0.001	92	209851	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	99	815133	40.0	
* 3 Acenaphthene-d10	164	9.698	9.698	0.0	91	469615	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	98	817097	40.0	
* 5 Chrysene-d12	240	13.902	13.902	0.0	98	815634	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	953834	40.0	
$ 7 2-Fluorophenol	112	3.976	3.971	0.005	58	29673	4.88	
$ 8 Phenol-d5	99	5.274	5.275	0.0	85	36344	5.00	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	67	22545	4.17	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	92	73821	5.34	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	31	7238	4.18	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	92	86102	5.36	
69 N-Nitrosodimethylamine	42	2.299	2.288	0.011	75	14493	5.30	
70 Pyridine	52	2.358	2.347	0.011	91	20623	4.69	
81 Phenol	94	5.290	5.291	-0.001	91	42550	5.11	
82 Aniline	93	5.301	5.301	0.0	85	50516	5.10	
83 Bis(2-chloroethyl)ether	93	5.397	5.397	0.0	77	34004	5.31	
84 2-Chlorophenol	128	5.461	5.461	0.0	80	35755	4.99	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	90	40595	5.14	
90 Benzyl alcohol	108	5.942	5.942	0.0	85	16560	4.10	
88 1,4-Dichlorobenzene	146	5.766	5.969	-0.203	82	41501	5.12	
91 1,2-Dichlorobenzene	146	5.964	5.969	-0.005	84	40022	5.22	
92 2-Methylphenol	108	6.108	6.108	0.0	80	29357	4.90	
93 2,2'-oxybis[1-chloropropane]	45	6.129	6.129	0.0	82	41344	5.33	
95 N-Nitrosodi-n-propylamine	70	6.300	6.300	0.0	76	18031	4.37	
96 4-Methylphenol	108	6.316	6.322	-0.006	90	29975	4.81	
99 Hexachloroethane	117	6.412	6.412	0.0	78	12796	4.86	
102 Nitrobenzene	77	6.514	6.514	0.0	77	26847	4.61	
106 Isophorone	82	6.834	6.834	0.0	92	51951	4.92	
107 2-Nitrophenol	139	6.936	6.936	0.0	68	13515	3.85	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	81	27586	4.80	
110 Tetraethyl lead	237	7.053	7.053	0.0	84	12187	4.85	
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	87	36427	5.22	
115 Benzoic acid	105	7.235	7.262	-0.027	79	345362	113.9	
114 2,4-Dichlorophenol	162	7.267	7.262	0.005	70	27549	5.00	
117 1,2,4-Trichlorobenzene	180	7.358	7.363	-0.005	83	32765	5.17	
118 Naphthalene	128	7.454	7.454	0.0	95	104530	5.44	
119 4-Chloroaniline	127	7.545	7.545	0.0	87	39675	4.96	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	80	18001	5.23	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	73	22781	4.65	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	83	68627	5.32	
134 Hexachlorocyclopentadiene	237	8.571	8.571	0.0	7	5077	6.28	
137 2,4,6-Trichlorophenol	196	8.741	8.736	0.005	59	18970	4.80	
138 2,4,5-Trichlorophenol	196	8.795	8.784	0.011	80	19718	4.58	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	90	64209	5.23	
143 2-Nitroaniline	65	9.137	9.132	0.005	43	7395	5.30	
146 Dimethyl phthalate	163	9.377	9.383	-0.006	93	69294	5.05	
149 2,6-Dinitrotoluene	165	9.452	9.452	0.0	59	8057	5.34	
150 Acenaphthylene	152	9.511	9.511	0.0	87	96525	5.07	
151 3-Nitroaniline	138	9.666	9.666	0.0	75	10767	5.10	
152 Acenaphthene	153	9.735	9.735	0.0	89	65526	5.37	
153 2,4-Dinitrophenol	184	9.810	9.810	0.0	1	3822	5.89	
154 4-Nitrophenol	109	9.927	9.917	0.010	61	6402	2.36	
155 Dibenzofuran	168	9.960	9.960	0.0	78	92616	5.44	
156 2,4-Dinitrotoluene	165	9.965	9.965	0.0	96	15505	3.77	
161 Diethyl phthalate	149	10.264	10.269	-0.005	93	67209	5.16	
162 Fluorene	166	10.371	10.371	0.0	81	72787	5.35	
163 4-Chlorophenyl phenyl ether	204	10.382	10.382	0.0	80	39174	5.42	
164 4-Nitroaniline	138	10.419	10.419	0.0	68	10616	5.29	
165 4,6-Dinitro-2-methylphenol	198	10.456	10.456	0.0	72	13217	4.47	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	47	51364	5.04	
170 1,2-Diphenylhydrazine	77	10.563	10.569	-0.006	95	61545	5.22	
175 4-Bromophenyl phenyl ether	248	10.937	10.937	0.0	45	22253	5.08	
179 Hexachlorobenzene	284	10.996	11.001	-0.005	80	21783	4.96	
183 Pentachlorophenol	266	11.226	11.226	0.0	53	17608	6.86	
188 Phenanthrene	178	11.439	11.439	0.0	90	117351	5.56	
189 Anthracene	178	11.493	11.493	0.0	93	114840	5.33	
192 Carbazole	167	11.669	11.669	0.0	73	102073	5.25	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	98	114836	5.21	
201 Fluoranthene	202	12.615	12.615	0.0	96	119731	5.28	
202 Benzidine	184	12.743	12.743	0.0	66	41252	3.93	
204 Pyrene	202	12.823	12.823	0.0	97	127135	5.76	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	91	43735	4.78	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	1	29686	3.85	
216 Bis(2-ethylhexyl) phthalate	149	13.886	13.881	0.005	92	60599	4.84	
217 Benzo[a]anthracene	228	13.891	13.892	-0.001	99	120167	5.56	
218 Chrysene	228	13.923	13.924	-0.001	90	122042	5.72	
220 Di-n-octyl phthalate	149	14.415	14.415	0.0	94	86815	4.19	
221 Benzo[b]fluoranthene	252	14.826	14.826	0.0	90	109464	4.76	
222 Benzo[k]fluoranthene	252	14.848	14.848	0.0	99	139708	5.52	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	60	99301	4.78	

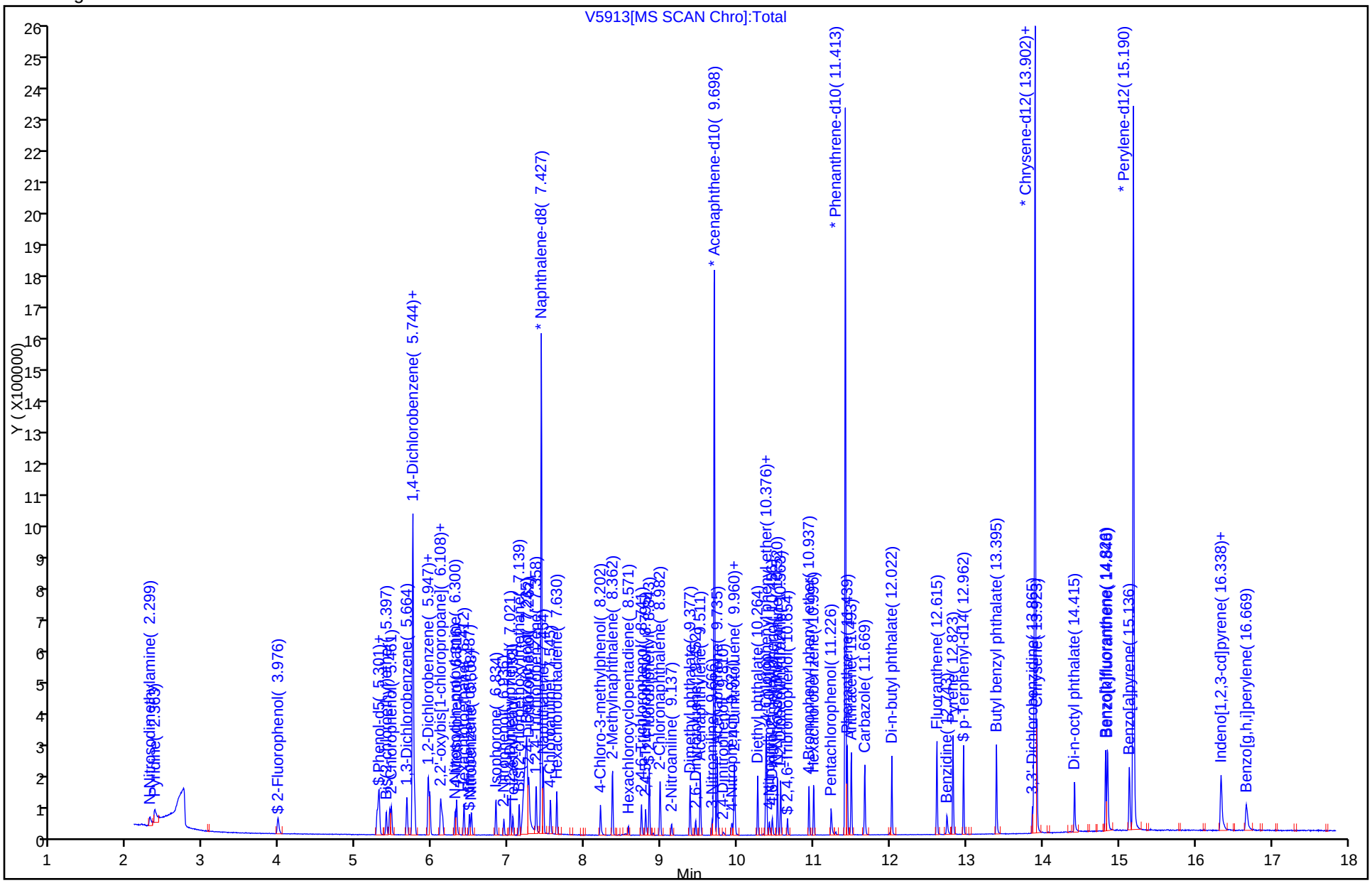
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
227 Indeno[1,2,3-cd]pyrene	276	16.338	16.333	0.005	94	82469	3.79	
228 Dibenz(a,h)anthracene	278	16.338	16.338	0.0	24	63273	5.59	
229 Benzo[g,h,i]perylene	276	16.669	16.664	0.005	80	70839	4.04	
S 232 Total Cresols	1				0		9.70	
S 234 3 & 4 Methylphenol	108				0		4.81	
S 233 3-Methylphenol	1				0		4.81	

Report Date: 16-Oct-2012 15:57:18 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5913.D

Injection Date:	16-Oct-2012 12:03:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5914.D		
Lims ID:	IC 20 - 8270	Client ID:	
Inject. Date:	16-Oct-2012 12:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0015770-003		
Misc. Info.:	IC 20 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	85675	Lims Sample ID:	3
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m		
Last Update:	16-Oct-2012 15:17:13	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		
First Level Reviewer: lyh		Date:	16-Oct-2012 15:17:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	-0.001	92	229829	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	99	902647	40.0	
* 3 Acenaphthene-d10	164	9.698	9.693	0.005	91	524434	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	921693	40.0	
* 5 Chrysene-d12	240	13.902	13.897	0.005	98	961842	40.0	
* 6 Perylene-d12	264	15.190	15.184	0.006	98	1063299	40.0	
$ 7 2-Fluorophenol	112	3.971	3.971	0.0	81	131155	19.7	
$ 8 Phenol-d5	99	5.274	5.274	0.0	93	157401	19.8	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	83	116286	19.4	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	99	318136	20.6	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	87	35629	18.2	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	99	384972	20.3	
69 N-Nitrosodimethylamine	42	2.293	2.299	-0.006	85	59833	20.0	
70 Pyridine	52	2.347	2.325	0.022	97	97291	20.2	
81 Phenol	94	5.290	5.301	-0.011	96	185017	20.3	
82 Aniline	93	5.301	5.307	-0.006	90	218319	20.1	
83 Bis(2-chloroethyl)ether	93	5.397	5.397	0.0	97	138378	19.7	
84 2-Chlorophenol	128	5.461	5.467	-0.006	88	155579	19.8	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	97	170113	19.7	
90 Benzyl alcohol	108	5.942	5.948	-0.006	93	88300	20.0	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	91	166926	19.9	
88 1,4-Dichlorobenzene	146	5.766	5.969	-0.203	82	178030	20.1	
92 2-Methylphenol	108	6.108	6.113	-0.005	91	131003	19.9	
93 2,2'-oxybis[1-chloropropane]	45	6.129	6.129	0.0	93	173693	20.4	
95 N-Nitrosodi-n-propylamine	70	6.300	6.300	0.0	82	88938	19.7	
96 4-Methylphenol	108	6.316	6.327	-0.011	96	135245	19.8	
99 Hexachloroethane	117	6.412	6.412	0.0	88	56470	19.6	
102 Nitrobenzene	77	6.508	6.514	-0.006	80	129196	20.0	
106 Isophorone	82	6.834	6.834	0.0	96	234661	20.1	
107 2-Nitrophenol	139	6.936	6.936	0.0	86	73307	18.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.027	-0.006	90	126462	19.9	
110 Tetraethyl lead	237	7.053	7.053	0.0	90	54617	19.6	
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	97	156147	20.2	
115 Benzoic acid	105	7.224	7.208	0.016	69	267974	90.2	
114 2,4-Dichlorophenol	162	7.262	7.283	-0.021	88	121317	19.9	
117 1,2,4-Trichlorobenzene	180	7.358	7.358	0.0	92	141781	20.2	
118 Naphthalene	128	7.454	7.454	0.0	90	441700	20.8	
119 4-Chloroaniline	127	7.545	7.561	-0.016	88	179011	20.2	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	90	74824	19.6	
129 4-Chloro-3-methylphenol	107	8.202	8.218	-0.016	85	106576	19.7	
131 2-Methylnaphthalene	142	8.357	8.362	-0.005	91	292875	20.5	
134 Hexachlorocyclopentadiene	237	8.571	8.571	0.0	87	42530	20.9	
137 2,4,6-Trichlorophenol	196	8.736	8.752	-0.016	87	84146	19.1	
138 2,4,5-Trichlorophenol	196	8.790	8.790	0.0	96	92929	19.3	
141 2-Chloronaphthalene	162	8.982	8.987	-0.005	94	283645	20.7	
143 2-Nitroaniline	65	9.131	9.137	-0.006	83	50650	18.7	
146 Dimethyl phthalate	163	9.377	9.383	-0.006	99	314544	20.5	
149 2,6-Dinitrotoluene	165	9.452	9.457	-0.005	89	58028	18.5	
150 Acenaphthylene	152	9.511	9.511	0.0	89	438876	20.6	
151 3-Nitroaniline	138	9.660	9.671	-0.011	95	68910	18.9	
152 Acenaphthene	153	9.735	9.735	0.0	93	279575	20.5	
153 2,4-Dinitrophenol	184	9.805	9.810	-0.005	75	40175	21.1	
154 4-Nitrophenol	109	9.917	9.922	-0.005	79	42363	30.4	
155 Dibenzofuran	168	9.954	9.960	-0.006	89	396597	20.9	
156 2,4-Dinitrotoluene	165	9.965	9.970	-0.005	92	89018	19.4	
161 Diethyl phthalate	149	10.269	10.264	0.005	98	302329	20.8	
162 Fluorene	166	10.371	10.371	0.0	83	326265	21.5	
163 4-Chlorophenyl phenyl ether	204	10.382	10.382	0.0	87	169122	21.0	
164 4-Nitroaniline	138	10.414	10.424	-0.010	92	69156	18.8	
165 4,6-Dinitro-2-methylphenol	198	10.456	10.462	-0.006	94	87436	26.2	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	57	228236	19.9	
170 1,2-Diphenylhydrazine	77	10.563	10.569	-0.006	95	274061	20.8	
175 4-Bromophenyl phenyl ether	248	10.937	10.937	0.0	57	94387	19.1	
179 Hexachlorobenzene	284	11.001	11.001	0.0	89	94612	19.1	
183 Pentachlorophenol	266	11.226	11.226	0.0	87	78511	27.1	
188 Phenanthrene	178	11.439	11.434	0.005	95	494991	20.8	
189 Anthracene	178	11.493	11.434	0.059	96	510322	21.0	
192 Carbazole	167	11.669	11.675	-0.005	82	441050	20.1	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	99	499520	20.1	
201 Fluoranthene	202	12.615	12.615	0.0	98	515630	20.2	
202 Benzidine	184	12.743	12.743	0.0	96	220037	17.8	
204 Pyrene	202	12.823	12.828	-0.005	97	534308	20.5	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	95	225728	20.9	
215 3,3'-Dichlorobenzidine	252	13.859	13.865	-0.006	63	162097	17.0	
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	95	300864	20.4	
217 Benzo[a]anthracene	228	13.891	13.892	-0.001	98	531793	20.9	
218 Chrysene	228	13.923	13.918	0.005	93	515147	20.5	
220 Di-n-octyl phthalate	149	14.415	14.420	-0.005	99	467257	19.1	
221 Benzo[b]fluoranthene	252	14.821	14.826	-0.005	92	528838	20.6	
222 Benzo[k]fluoranthene	252	14.848	14.853	-0.005	95	587915	20.9	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	73	457105	19.7	

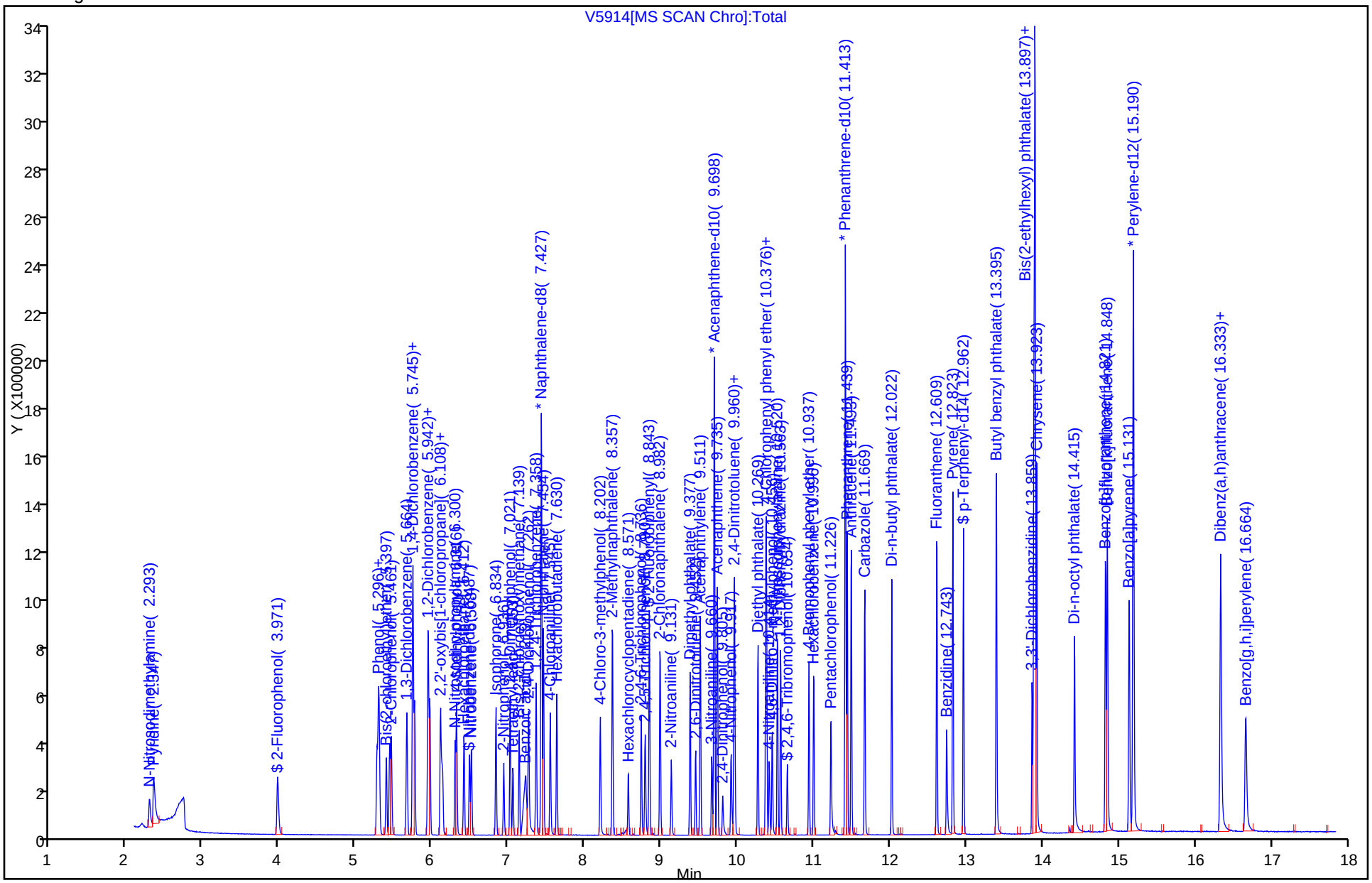
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.333	16.344	-0.011	43	343069	16.3	
227 Indeno[1,2,3-cd]pyrene	276	16.333	16.344	-0.011	93	417656	17.2	
229 Benzo[g,h,i]perylene	276	16.664	16.675	-0.011	90	336156	17.2	
S 232 Total Cresols	1				0		39.8	
S 234 3 & 4 Methylphenol	108				0		19.8	
S 233 3-Methylphenol	1				0		19.8	

Report Date: 16-Oct-2012 15:17:13 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5914.D

Injection Date:	16-Oct-2012 12:28:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5915.D		
Lims ID:	ICIS 50 - 8270	Client ID:	
Inject. Date:	16-Oct-2012 12:52:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0015770-004		
Misc. Info.:	ICIS 50 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	85675	Lims Sample ID:	4
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m		
Last Update:	16-Oct-2012 15:17:16	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		
First Level Reviewer: lyh		Date:	16-Oct-2012 15:17:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	0.0	93	227856	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	99	911315	40.0	
* 3 Acenaphthene-d10	164	9.698	9.698	0.0	90	536404	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	928921	40.0	
* 5 Chrysene-d12	240	13.902	13.902	0.0	97	986677	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	97	1098513	40.0	
$ 7 2-Fluorophenol	112	3.971	3.971	0.0	87	339909	51.5	
$ 8 Phenol-d5	99	5.274	5.274	0.0	93	409066	51.9	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	319110	52.8	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	99	815120	51.6	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	93	98282	49.9	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	99	1016864	52.3	
69 N-Nitrosodimethylamine	42	2.288	2.288	0.0	89	152024	51.2	
70 Pyridine	52	2.342	2.342	0.0	97	249064	52.2	
81 Phenol	94	5.296	5.296	0.0	90	474008	52.4	
82 Aniline	93	5.301	5.301	0.0	87	561949	52.2	
83 Bis(2-chloroethyl)ether	93	5.397	5.397	0.0	98	360055	51.7	
84 2-Chlorophenol	128	5.461	5.461	0.0	92	400462	51.5	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	97	445356	51.9	
90 Benzyl alcohol	108	5.942	5.942	0.0	96	238674	54.5	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	92	428502	51.5	
88 1,4-Dichlorobenzene	146	5.766	5.766	0.0	85	451894	51.4	
92 2-Methylphenol	108	6.108	6.108	0.0	92	344540	52.9	
93 2,2'-oxybis[1-chloropropane]	45	6.135	6.135	0.0	93	440544	52.3	
95 N-Nitrosodi-n-propylamine	70	6.300	6.300	0.0	84	238363	53.2	
96 4-Methylphenol	108	6.322	6.322	0.0	96	353307	52.2	
99 Hexachloroethane	117	6.412	6.412	0.0	89	147702	51.7	
102 Nitrobenzene	77	6.514	6.514	0.0	83	342216	52.6	
106 Isophorone	82	6.840	6.840	0.0	96	616075	52.2	
107 2-Nitrophenol	139	6.936	6.936	0.0	85	210058	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	91	336193	52.4	
110 Tetraethyl lead	237	7.053	7.053	0.0	91	145585	51.8	
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	97	400605	51.4	
115 Benzoic acid	105	7.267	7.267	0.0	82	652740	166.8	
114 2,4-Dichlorophenol	162	7.262	7.262	0.0	90	320954	52.1	
117 1,2,4-Trichlorobenzene	180	7.363	7.363	0.0	92	366076	51.7	
118 Naphthalene	128	7.454	7.454	0.0	95	1126750	52.5	
119 4-Chloroaniline	127	7.545	7.545	0.0	88	466383	52.1	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	93	197353	51.3	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	87	289239	52.8	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	91	752394	52.2	
134 Hexachlorocyclopentadiene	237	8.571	8.571	0.0	94	152134	47.7	
137 2,4,6-Trichlorophenol	196	8.736	8.736	0.0	89	230589	51.1	
138 2,4,5-Trichlorophenol	196	8.784	8.784	0.0	96	255653	51.9	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	94	722825	51.6	
143 2-Nitroaniline	65	9.132	9.132	0.0	92	150704	49.3	
146 Dimethyl phthalate	163	9.383	9.383	0.0	99	812072	51.8	
149 2,6-Dinitrotoluene	165	9.452	9.452	0.0	92	178403	49.8	
150 Acenaphthylene	152	9.511	9.511	0.0	89	1143728	52.6	
151 3-Nitroaniline	138	9.666	9.666	0.0	94	204141	50.7	
152 Acenaphthene	153	9.735	9.735	0.0	94	718198	51.5	
153 2,4-Dinitrophenol	184	9.805	9.805	0.0	78	75869	38.9	
154 4-Nitrophenol	109	9.917	9.917	0.0	79	66285	47.1	
155 Dibenzofuran	168	9.960	9.960	0.0	90	1007624	51.8	
156 2,4-Dinitrotoluene	165	9.965	9.965	0.0	93	251769	53.6	
161 Diethyl phthalate	149	10.269	10.269	0.0	98	788971	53.1	
162 Fluorene	166	10.371	10.371	0.0	83	826124	53.1	
163 4-Chlorophenyl phenyl ether	204	10.382	10.382	0.0	88	428258	51.9	
164 4-Nitroaniline	138	10.424	10.424	0.0	96	201862	49.1	
165 4,6-Dinitro-2-methylphenol	198	10.456	10.456	0.0	95	141540	42.1	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	57	603758	52.2	
170 1,2-Diphenylhydrazine	77	10.563	10.563	0.0	95	704566	52.3	
175 4-Bromophenyl phenyl ether	248	10.937	10.937	0.0	57	251241	50.6	
179 Hexachlorobenzene	284	11.001	11.001	0.0	90	251048	50.3	
183 Pentachlorophenol	266	11.226	11.226	0.0	89	126697	43.4	
188 Phenanthrene	178	11.439	11.439	0.0	96	1258198	52.4	
189 Anthracene	178	11.493	11.493	0.0	97	1288823	52.7	
192 Carbazole	167	11.669	11.669	0.0	82	1139897	51.6	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	100	1341438	53.5	
201 Fluoranthene	202	12.615	12.615	0.0	98	1328703	51.5	
202 Benzidine	184	12.743	12.743	0.0	98	676648	53.3	
204 Pyrene	202	12.823	12.823	0.0	97	1380600	51.7	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	95	608973	55.0	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	69	482525	49.4	
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	94	832532	55.0	
217 Benzo[a]anthracene	228	13.891	13.891	0.0	99	1354696	51.8	
218 Chrysene	228	13.924	13.924	0.0	93	1350481	52.3	
220 Di-n-octyl phthalate	149	14.420	14.420	0.0	99	1349137	53.8	
221 Benzo[b]fluoranthene	252	14.826	14.826	0.0	94	1333911	50.3	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	98	1600383	55.0	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	75	1285326	53.7	

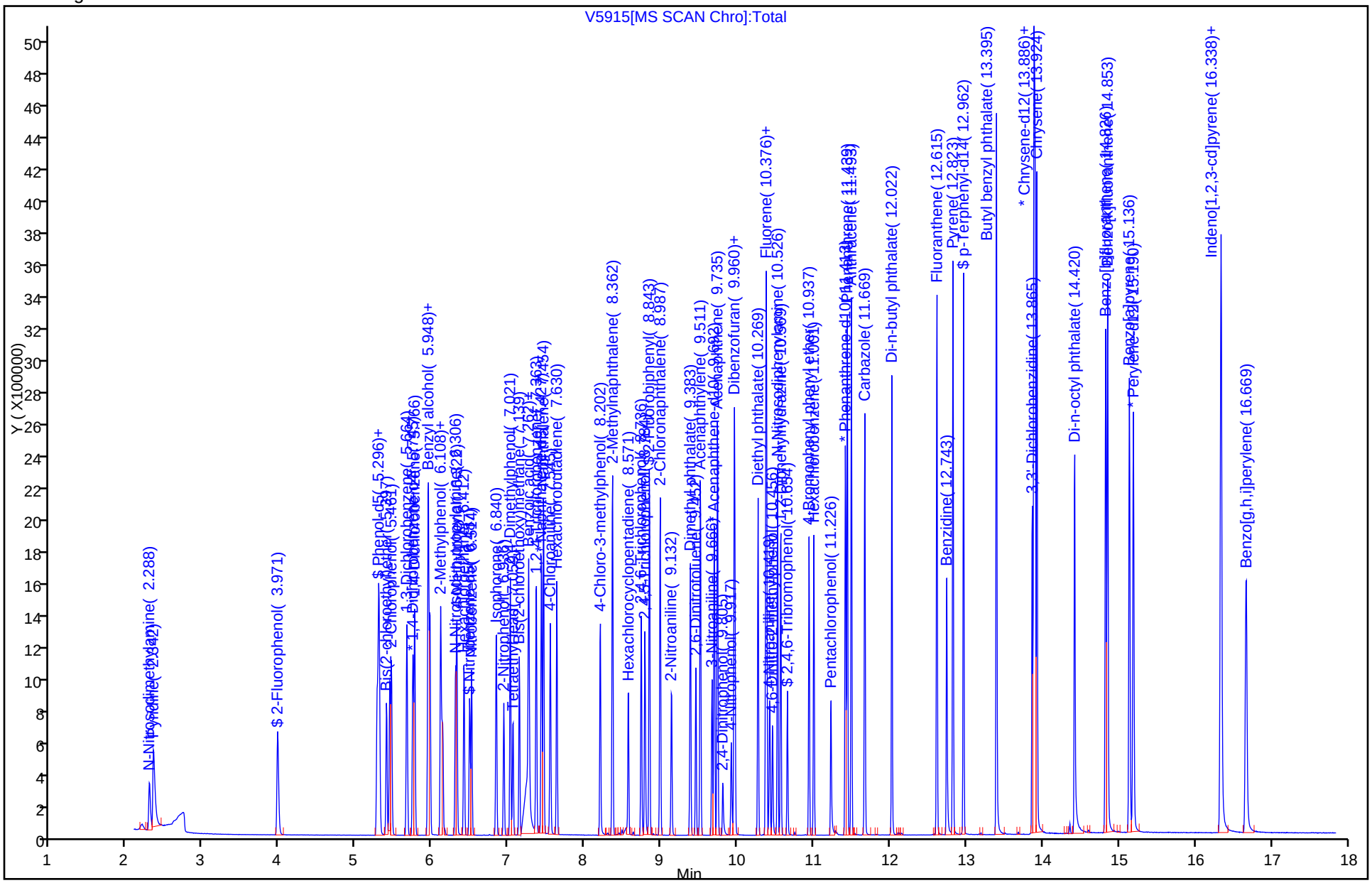
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.338	16.338	0.0	50	1110582	51.1	
227 Indeno[1,2,3-cd]pyrene	276	16.338	16.338	0.0	94	1334015	53.2	
229 Benzo[g,h,i]perylene	276	16.669	16.669	0.0	93	1049803	52.0	
S 232 Total Cresols	1				0		105.1	
S 234 3 & 4 Methylphenol	108				0		52.2	
S 233 3-Methylphenol	1				0		52.2	

Report Date: 16-Oct-2012 15:17:16 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5915.D

Injection Date:	16-Oct-2012 12:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	4
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5916.D
Lims ID: IC 80 - 8270 Client ID:
Inject. Date: 16-Oct-2012 13:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: 480-0015770-005
Misc. Info.: IC 80 - 8270
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 85675 Lims Sample ID: 5
Sublist: chrom-V-8270*sub23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m
Last Update: 16-Oct-2012 15:17:19 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK014

First Level Reviewer: lyh Date: 16-Oct-2012 15:17:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	-0.001	92	234883	40.0	
* 2 Naphthalene-d8	136	7.432	7.427	0.005	98	936353	40.0	
* 3 Acenaphthene-d10	164	9.698	9.698	0.0	89	547685	40.0	
* 4 Phenanthrene-d10	188	11.412	11.413	-0.001	97	935161	40.0	
* 5 Chrysene-d12	240	13.907	13.902	0.005	95	1018008	40.0	
* 6 Perylene-d12	264	15.189	15.190	-0.001	98	1165399	40.0	
$ 7 2-Fluorophenol	112	3.971	3.971	0.0	88	552005	81.2	
$ 8 Phenol-d5	99	5.280	5.274	0.006	93	662403	81.5	
$ 9 Nitrobenzene-d5	82	6.492	6.487	0.005	85	525155	84.6	
$ 10 2-Fluorobiphenyl	172	8.848	8.843	0.005	99	1280966	79.4	
$ 11 2,4,6-Tribromophenol	330	10.659	10.654	0.005	91	167813	84.6	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	99	1613872	80.5	
69 N-Nitrosodimethylamine	42	2.288	2.288	0.0	85	245920	80.3	
70 Pyridine	52	2.341	2.342	-0.001	98	400416	81.4	
81 Phenol	94	5.296	5.296	0.0	95	755584	81.0	
82 Aniline	93	5.306	5.301	0.005	95	895555	80.8	
83 Bis(2-chloroethyl)ether	93	5.402	5.397	0.005	98	566785	79.0	
84 2-Chlorophenol	128	5.467	5.461	0.006	93	646216	80.6	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	97	710659	80.3	
90 Benzyl alcohol	108	5.947	5.942	0.005	92	383653	84.9	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	98	690339	80.5	
88 1,4-Dichlorobenzene	146	5.766	5.766	0.0	96	724678	79.9	
92 2-Methylphenol	108	6.108	6.108	0.0	93	546509	81.4	
93 2,2'-oxybis[1-chloropropane]	45	6.134	6.135	-0.001	93	696188	80.2	
95 N-Nitrosodi-n-propylamine	70	6.305	6.300	0.005	83	388340	84.1	
96 4-Methylphenol	108	6.327	6.322	0.005	97	572215	82.0	
99 Hexachloroethane	117	6.412	6.412	0.0	90	239539	81.3	
102 Nitrobenzene	77	6.519	6.514	0.005	83	547624	81.9	
106 Isophorone	82	6.840	6.840	0.0	96	984072	81.2	
107 2-Nitrophenol	139	6.936	6.936	0.0	86	345441	85.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	92	541021	82.0	
110 Tetraethyl lead	237	7.059	7.053	0.006	91	239521	83.0	
111 Bis(2-chloroethoxy)methane	93	7.144	7.139	0.005	97	642310	80.2	
115 Benzoic acid	105	7.310	7.267	0.043	84	1065487	239.6	
114 2,4-Dichlorophenol	162	7.262	7.262	0.0	90	511827	80.9	
117 1,2,4-Trichlorobenzene	180	7.363	7.363	0.0	92	589398	80.9	
118 Naphthalene	128	7.459	7.454	0.005	95	1766756	80.1	
119 4-Chloroaniline	127	7.545	7.545	0.0	86	749581	81.6	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	93	317298	80.2	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	87	464628	82.6	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	91	1200572	81.1	
134 Hexachlorocyclopentadiene	237	8.570	8.571	-0.001	91	281894	78.2	
137 2,4,6-Trichlorophenol	196	8.741	8.736	0.005	87	378994	82.3	
138 2,4,5-Trichlorophenol	196	8.784	8.784	0.0	96	414353	82.5	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	95	1149180	80.3	
143 2-Nitroaniline	65	9.137	9.132	0.005	92	259474	81.3	
146 Dimethyl phthalate	163	9.382	9.383	-0.001	100	1290112	80.5	
149 2,6-Dinitrotoluene	165	9.457	9.452	0.005	87	299762	80.0	
150 Acenaphthylene	152	9.516	9.511	0.005	90	1803525	81.2	
151 3-Nitroaniline	138	9.671	9.666	0.005	93	343472	82.2	
152 Acenaphthene	153	9.740	9.735	0.005	93	1148726	80.7	
153 2,4-Dinitrophenol	184	9.810	9.805	0.005	80	152947	76.9	
154 4-Nitrophenol	109	9.922	9.917	0.005	79	115658	79.2	
155 Dibenzofuran	168	9.959	9.960	-0.001	87	1585923	79.9	
156 2,4-Dinitrotoluene	165	9.970	9.965	0.005	64	414394	86.3	
161 Diethyl phthalate	149	10.275	10.269	0.006	98	1215699	80.1	
162 Fluorene	166	10.376	10.371	0.005	83	1276788	80.4	
163 4-Chlorophenyl phenyl ether	204	10.381	10.382	-0.001	89	675534	80.2	
164 4-Nitroaniline	138	10.429	10.424	0.005	95	345853	80.7	
165 4,6-Dinitro-2-methylphenol	198	10.462	10.456	0.006	96	253941	75.1	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	59	949891	81.6	
170 1,2-Diphenylhydrazine	77	10.568	10.563	0.005	93	1107402	80.5	
175 4-Bromophenyl phenyl ether	248	10.942	10.937	0.005	56	409455	81.9	
179 Hexachlorobenzene	284	11.001	11.001	0.0	91	411864	82.0	
183 Pentachlorophenol	266	11.225	11.226	-0.001	90	214485	73.0	
188 Phenanthrene	178	11.439	11.439	0.0	96	1932351	80.0	
189 Anthracene	178	11.493	11.493	0.0	97	1987160	80.6	
192 Carbazole	167	11.669	11.669	0.0	82	1813966	81.5	
195 Di-n-butyl phthalate	149	12.021	12.022	-0.001	100	2094574	83.0	
201 Fluoranthene	202	12.614	12.615	-0.001	98	2139801	82.4	
202 Benzidine	184	12.743	12.743	0.0	99	1147564	87.6	
204 Pyrene	202	12.828	12.823	0.005	97	2197127	79.7	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.400	13.395	0.005	94	960447	84.1	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	68	827146	82.1	
216 Bis(2-ethylhexyl) phthalate	149	13.886	13.881	0.005	92	1323462	84.7	
217 Benzo[a]anthracene	228	13.891	13.891	0.0	98	2185733	81.0	
218 Chrysene	228	13.929	13.924	0.005	92	2118849	79.5	
220 Di-n-octyl phthalate	149	14.420	14.420	0.0	99	2264271	87.5	
221 Benzo[b]fluoranthene	252	14.826	14.826	0.0	94	2334571	83.0	
222 Benzo[k]fluoranthene	252	14.858	14.853	0.005	99	2483999	80.4	
225 Benzo[a]pyrene	252	15.141	15.136	0.005	75	2135870	84.1	

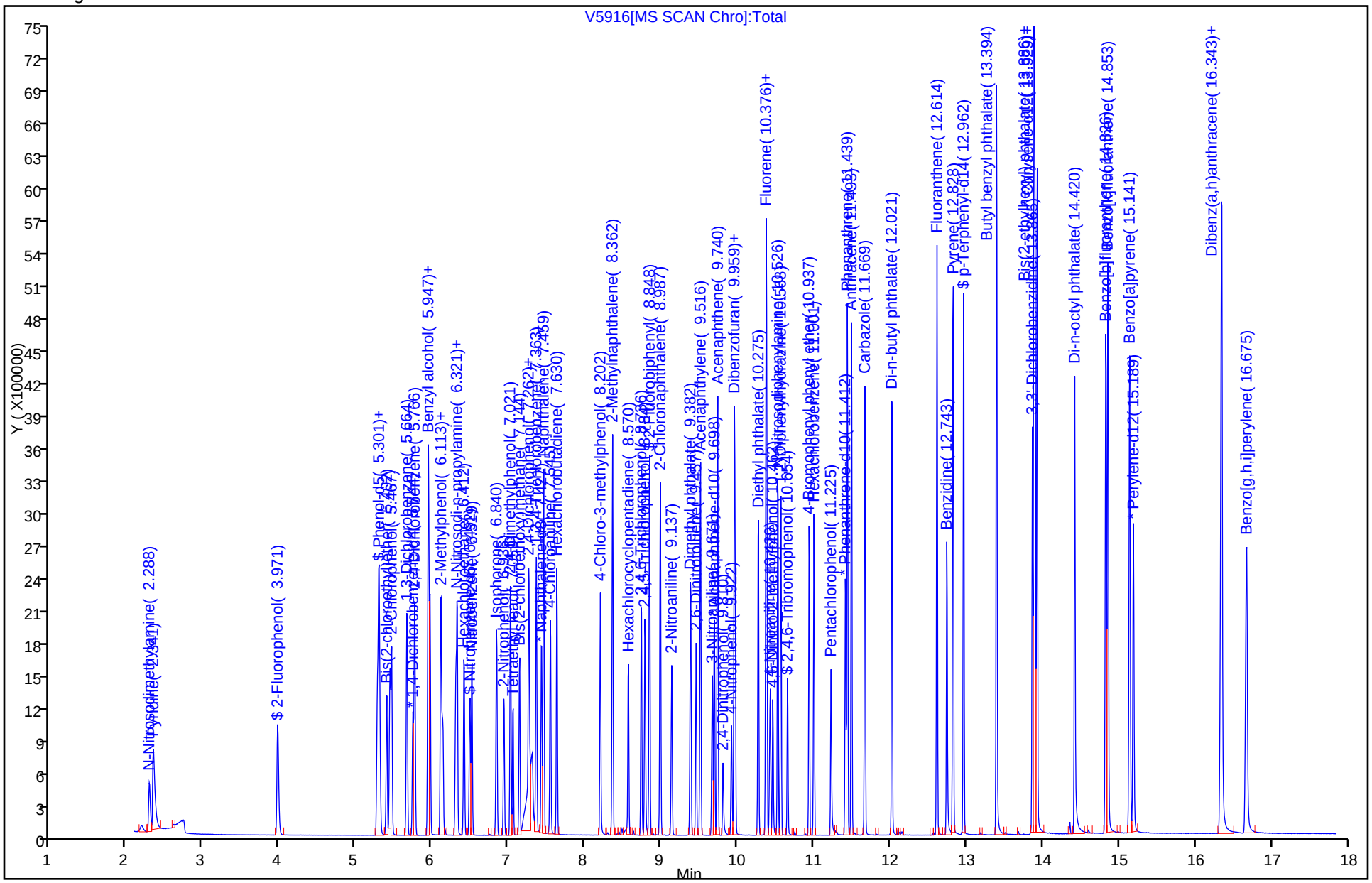
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.349	16.338	0.011	56	1915053	83.0	
227 Indeno[1,2,3-cd]pyrene	276	16.343	16.338	0.005	94	2283839	85.9	
229 Benzo[g,h,i]perylene	276	16.675	16.669	0.006	95	1768475	82.6	
S 232 Total Cresols	1				0		163.4	
S 234 3 & 4 Methylphenol	108				0		82.0	
S 233 3-Methylphenol	1				0		82.0	

Report Date: 16-Oct-2012 15:17:19 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5916.D

Injection Date:	16-Oct-2012 13:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	5
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5917.D
Lims ID: IC 120- 8270 Client ID:
Inject. Date: 16-Oct-2012 13:41:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: 480-0015770-006
Misc. Info.: IC 120- 8270
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 85675 Lims Sample ID: 6
Sublist: chrom-V-8270*sub23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m
Last Update: 16-Oct-2012 15:17:21 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK014

First Level Reviewer: lyh Date: 16-Oct-2012 15:17:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	-0.001	92	241250	40.0	
* 2 Naphthalene-d8	136	7.433	7.427	0.006	98	973574	40.0	
* 3 Acenaphthene-d10	164	9.698	9.698	0.0	80	565781	40.0	
* 4 Phenanthrene-d10	188	11.418	11.413	0.005	97	951518	40.0	
* 5 Chrysene-d12	240	13.907	13.902	0.005	95	1044739	40.0	
* 6 Perylene-d12	264	15.195	15.190	0.005	98	1282419	40.0	
$ 7 2-Fluorophenol	112	3.976	3.971	0.005	88	843398	120.8	
$ 8 Phenol-d5	99	5.285	5.274	0.011	93	999786	119.7	
$ 9 Nitrobenzene-d5	82	6.492	6.487	0.005	84	818719	126.9	
$ 10 2-Fluorobiphenyl	172	8.848	8.843	0.005	99	1926475	115.7	
$ 11 2,4,6-Tribromophenol	330	10.659	10.654	0.005	91	264977	131.3	
$ 12 p-Terphenyl-d14	244	12.967	12.962	0.005	99	2379703	115.6	
69 N-Nitrosodimethylamine	42	2.293	2.288	0.005	89	370517	117.8	
70 Pyridine	52	2.347	2.342	0.005	98	613225	121.4	
81 Phenol	94	5.306	5.296	0.010	97	1119832	116.9	
82 Aniline	93	5.312	5.301	0.011	85	1347756	118.3	
83 Bis(2-chloroethyl)ether	93	5.408	5.397	0.011	98	867688	117.8	
84 2-Chlorophenol	128	5.472	5.461	0.011	94	995022	120.9	
87 1,3-Dichlorobenzene	146	5.670	5.664	0.006	97	1082283	119.1	
88 1,4-Dichlorobenzene	146	5.771	5.766	0.005	96	1110692	119.3	
90 Benzyl alcohol	108	5.953	5.942	0.011	76	579652	124.9	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	97	1047919	118.9	
92 2-Methylphenol	108	6.113	6.108	0.005	93	821700	119.2	
93 2,2'-oxybis[1-chloropropane]	45	6.134	6.135	-0.001	92	1027483	115.2	
95 N-Nitrosodi-n-propylamine	70	6.311	6.300	0.011	83	586348	123.6	
96 4-Methylphenol	108	6.332	6.322	0.010	96	869069	121.3	
99 Hexachloroethane	117	6.418	6.412	0.006	88	369667	122.1	
102 Nitrobenzene	77	6.524	6.514	0.010	83	850045	122.3	
106 Isophorone	82	6.850	6.840	0.010	95	1503054	119.2	
107 2-Nitrophenol	139	6.941	6.936	0.005	85	547112	130.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.027	7.021	0.006	91	828011	120.7	
110 Tetraethyl lead	237	7.059	7.053	0.006	91	362680	120.9	
111 Bis(2-chloroethoxy)methane	93	7.144	7.139	0.005	97	981485	117.8	
114 2,4-Dichlorophenol	162	7.267	7.262	0.005	89	788673	119.9	
115 Benzoic acid	105	7.352	7.267	0.085	85	1825778	358.4	
117 1,2,4-Trichlorobenzene	180	7.363	7.363	0.0	92	892132	117.8	
118 Naphthalene	128	7.459	7.454	0.005	97	2600637	113.4	
119 4-Chloroaniline	127	7.550	7.545	0.005	86	1128313	118.1	
121 Hexachlorobutadiene	225	7.636	7.630	0.006	92	491008	119.4	
129 4-Chloro-3-methylphenol	107	8.207	8.202	0.005	87	716296	122.4	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	88	1763922	114.5	
134 Hexachlorocyclopentadiene	237	8.570	8.571	-0.001	91	473942	120.9	
137 2,4,6-Trichlorophenol	196	8.741	8.736	0.005	88	583407	122.6	
138 2,4,5-Trichlorophenol	196	8.789	8.784	0.005	95	644576	124.2	
141 2-Chloronaphthalene	162	8.992	8.987	0.005	95	1708811	115.6	
143 2-Nitroaniline	65	9.142	9.132	0.010	92	402016	120.5	
146 Dimethyl phthalate	163	9.393	9.383	0.010	99	1941870	117.4	
149 2,6-Dinitrotoluene	165	9.463	9.452	0.011	92	473448	120.8	
150 Acenaphthylene	152	9.516	9.511	0.005	91	2672783	116.5	
151 3-Nitroaniline	138	9.676	9.666	0.010	94	530417	121.8	
152 Acenaphthene	153	9.740	9.735	0.005	93	1680615	114.2	
153 2,4-Dinitrophenol	184	9.815	9.805	0.010	80	263279	128.1	
154 4-Nitrophenol	109	9.927	9.917	0.010	79	190225	120.8	
155 Dibenzofuran	168	9.965	9.960	0.005	84	2323076	113.3	
156 2,4-Dinitrotoluene	165	9.975	9.965	0.010	39	635769	128.2	
161 Diethyl phthalate	149	10.280	10.269	0.011	99	1800122	114.8	
162 Fluorene	166	10.376	10.371	0.005	83	1829555	111.5	
163 4-Chlorophenyl phenyl ether	204	10.387	10.382	0.005	87	987954	113.5	
164 4-Nitroaniline	138	10.440	10.424	0.016	95	540306	120.8	
165 4,6-Dinitro-2-methylphenol	198	10.472	10.456	0.016	89	415012	120.6	
168 N-Nitrosodiphenylamine	169	10.531	10.526	0.005	59	1426661	120.5	
170 1,2-Diphenylhydrazine	77	10.574	10.563	0.011	93	1636597	115.1	
175 4-Bromophenyl phenyl ether	248	10.942	10.937	0.005	56	622990	122.4	
179 Hexachlorobenzene	284	11.007	11.001	0.005	91	631401	123.5	
183 Pentachlorophenol	266	11.231	11.226	0.005	88	360521	120.7	
188 Phenanthrene	178	11.445	11.439	0.006	97	2775953	112.9	
189 Anthracene	178	11.498	11.493	0.005	97	2861117	114.1	
192 Carbazole	167	11.674	11.669	0.005	82	2653058	117.1	
195 Di-n-butyl phthalate	149	12.027	12.022	0.005	99	3013110	117.3	
201 Fluoranthene	202	12.620	12.615	0.005	98	3081657	116.7	
202 Benzidine	184	12.748	12.743	0.005	99	1771456	131.7	
204 Pyrene	202	12.828	12.823	0.005	96	3179140	112.4	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.400	13.395	0.005	94	1359287	116.0	
215 3,3'-Dichlorobenzidine	252	13.870	13.865	0.005	67	1324019	128.1	
216 Bis(2-ethylhexyl) phthalate	149	13.886	13.881	0.005	92	1885888	117.6	
217 Benzo[a]anthracene	228	13.897	13.891	0.006	96	3118818	112.6	
218 Chrysene	228	13.929	13.924	0.005	92	2995835	109.6	
220 Di-n-octyl phthalate	149	14.426	14.420	0.006	98	3344679	125.9	
221 Benzo[b]fluoranthene	252	14.837	14.826	0.011	93	3713766	120.0	
222 Benzo[k]fluoranthene	252	14.864	14.853	0.011	98	3760770	110.6	
225 Benzo[a]pyrene	252	15.147	15.136	0.011	75	3355713	120.0	

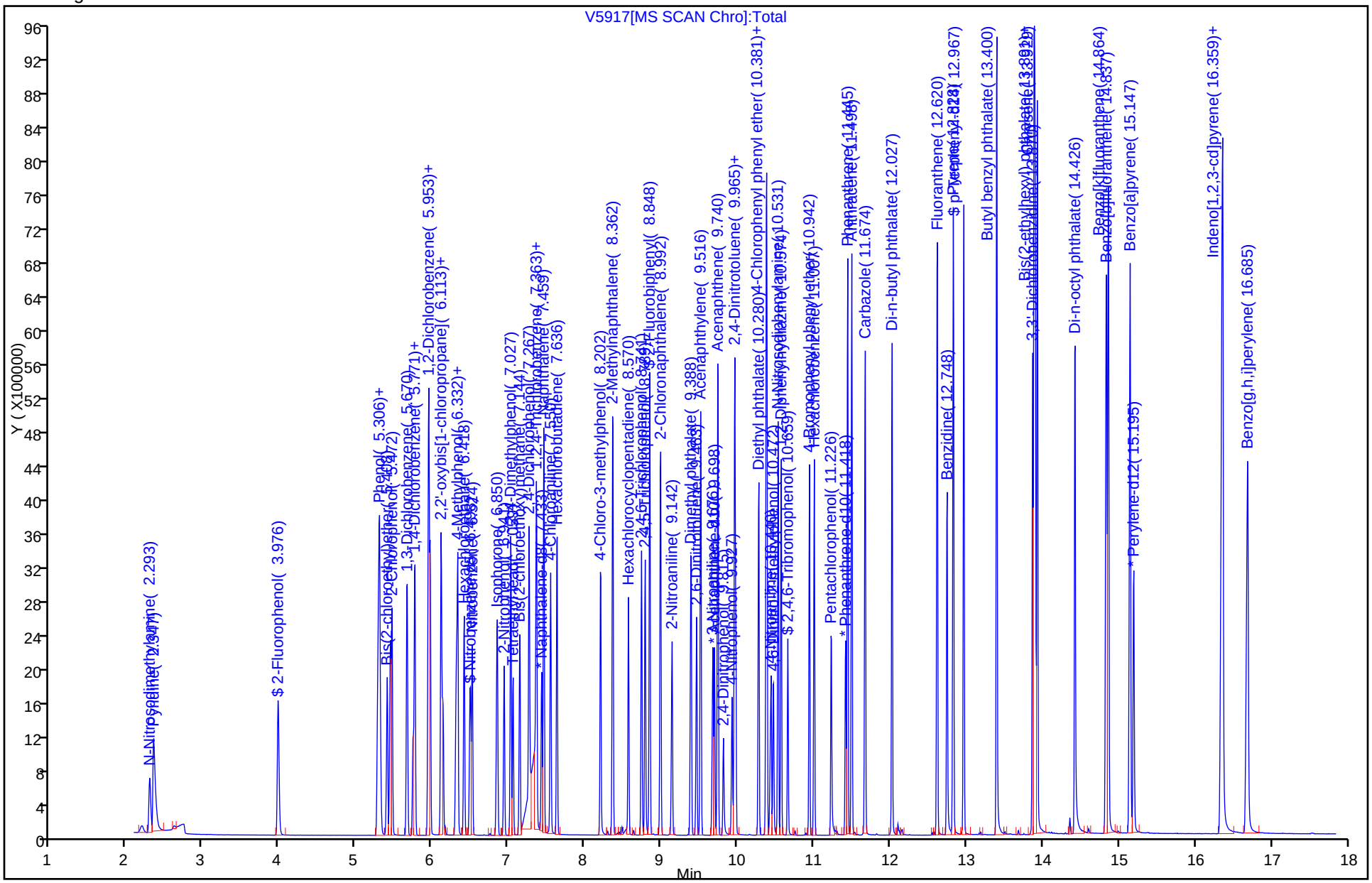
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.359	16.338	0.021	57	3146895	124.0	
227 Indeno[1,2,3-cd]pyrene	276	16.354	16.338	0.016	94	3812117	130.3	
229 Benzo[g,h,i]perylene	276	16.685	16.669	0.016	95	3065758	130.1	
S 232 Total Cresols	1				0		240.5	
S 234 3 & 4 Methylphenol	108				0		121.3	
S 233 3-Methylphenol	1				0		121.3	

Report Date: 16-Oct-2012 15:17:21 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5917.D

Injection Date:	16-Oct-2012 13:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	6
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Lims ID:	160-192-C-5 IC	Client ID:	
Inject. Date:	16-Oct-2012 14:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0015770-007		
Misc. Info.:	160-192-C-5 IC		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	85675	Lims Sample ID:	7
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m		
Last Update:	16-Oct-2012 15:17:25	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		

First Level Reviewer: lyh Date: 16-Oct-2012 15:17:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	-0.001	93	244116	40.0	
* 2 Naphthalene-d8	136	7.433	7.427	0.006	98	988253	40.0	
* 3 Acenaphthene-d10	164	9.698	9.698	0.0	82	567989	40.0	
* 4 Phenanthrene-d10	188	11.418	11.413	0.005	97	968590	40.0	
* 5 Chrysene-d12	240	13.907	13.902	0.005	88	1066864	40.0	
* 6 Perylene-d12	264	15.195	15.190	0.005	97	1377632	40.0	
$ 7 2-Fluorophenol	112	3.976	3.971	0.005	88	1113828	157.6	
$ 8 Phenol-d5	99	5.290	5.274	0.016	88	1295527	153.3	
$ 9 Nitrobenzene-d5	82	6.498	6.487	0.011	85	1070830	163.5	
$ 10 2-Fluorobiphenyl	172	8.854	8.843	0.011	99	2441340	146.0	
$ 11 2,4,6-Tribromophenol	330	10.665	10.654	0.011	91	362811	176.6	
$ 12 p-Terphenyl-d14	244	12.967	12.962	0.005	99	3018287	143.6	
69 N-Nitrosodimethylamine	42	2.293	2.288	0.005	89	474314	149.1	
70 Pyridine	52	2.341	2.342	-0.001	98	799379	156.4	
81 Phenol	94	5.312	5.296	0.016	94	1442025	148.8	
82 Aniline	93	5.306	5.301	0.005	79	1721685	149.4	
83 Bis(2-chloroethyl)ether	93	5.413	5.397	0.016	98	1131209	151.8	
84 2-Chlorophenol	128	5.472	5.461	0.011	93	1285028	154.3	
87 1,3-Dichlorobenzene	146	5.670	5.664	0.006	97	1405846	152.9	
88 1,4-Dichlorobenzene	146	5.771	5.766	0.005	96	1432804	152.1	
90 Benzyl alcohol	108	5.953	5.942	0.011	95	743415	158.3	
91 1,2-Dichlorobenzene	146	5.974	5.969	0.005	97	1332790	149.5	
92 2-Methylphenol	108	6.118	6.108	0.010	94	1064620	152.6	
93 2,2'-oxybis[1-chloropropane]	45	6.134	6.135	-0.001	92	1305096	144.6	
95 N-Nitrosodi-n-propylamine	70	6.316	6.300	0.016	83	765554	159.5	
96 4-Methylphenol	108	6.337	6.322	0.015	96	1122670	154.8	
99 Hexachloroethane	117	6.417	6.412	0.005	88	481093	157.1	
102 Nitrobenzene	77	6.524	6.514	0.010	83	1106460	156.8	
106 Isophorone	82	6.856	6.840	0.016	96	1964665	153.5	
107 2-Nitrophenol	139	6.941	6.936	0.005	86	719997	169.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.032	7.021	0.011	91	1078387	154.8	
110 Tetraethyl lead	237	7.059	7.053	0.006	90	471528	154.8	
111 Bis(2-chloroethoxy)methane	93	7.149	7.139	0.010	97	1262422	149.3	
114 2,4-Dichlorophenol	162	7.272	7.262	0.010	89	1018762	152.5	
115 Benzoic acid	105	7.390	7.267	0.123	85	2664905	480.6	
117 1,2,4-Trichlorobenzene	180	7.368	7.363	0.005	92	1143626	148.8	
118 Naphthalene	128	7.465	7.454	0.011	97	3260527	140.1	
119 4-Chloroaniline	127	7.550	7.545	0.005	86	1477723	152.3	
121 Hexachlorobutadiene	225	7.636	7.630	0.006	92	635751	152.3	
129 4-Chloro-3-methylphenol	107	8.207	8.202	0.005	89	929265	156.5	
131 2-Methylnaphthalene	142	8.367	8.362	0.005	89	2246777	143.7	
134 Hexachlorocyclopentadiene	237	8.570	8.571	-0.001	90	653596	162.3	
137 2,4,6-Trichlorophenol	196	8.741	8.736	0.005	89	773678	162.0	
138 2,4,5-Trichlorophenol	196	8.789	8.784	0.005	96	845809	162.3	
141 2-Chloronaphthalene	162	8.992	8.987	0.005	95	2183545	147.1	
143 2-Nitroaniline	65	9.147	9.132	0.015	92	538417	159.9	
146 Dimethyl phthalate	163	9.393	9.383	0.010	99	2513707	151.3	
149 2,6-Dinitrotoluene	165	9.468	9.452	0.016	86	634994	160.5	
150 Acenaphthylene	152	9.521	9.511	0.010	91	3375545	146.6	
151 3-Nitroaniline	138	9.682	9.666	0.016	94	685719	156.2	
152 Acenaphthene	153	9.746	9.735	0.011	94	2152985	145.8	
153 2,4-Dinitrophenol	184	9.821	9.805	0.015	80	375601	182.1	
154 4-Nitrophenol	109	9.933	9.917	0.016	81	264243	159.9	
155 Dibenzofuran	168	9.965	9.960	0.005	85	2928859	142.3	
156 2,4-Dinitrotoluene	165	9.981	9.965	0.016	4	843641	169.5	
161 Diethyl phthalate	149	10.280	10.269	0.011	99	2292418	145.6	
162 Fluorene	166	10.381	10.371	0.010	83	2268506	137.8	
163 4-Chlorophenyl phenyl ether	204	10.387	10.382	0.005	87	1230032	140.8	
164 4-Nitroaniline	138	10.446	10.424	0.022	90	723023	160.2	
165 4,6-Dinitro-2-methylphenol	198	10.478	10.456	0.022	86	574604	164.0	
168 N-Nitrosodiphenylamine	169	10.536	10.526	0.010	59	1807599	149.9	
170 1,2-Diphenylhydrazine	77	10.574	10.563	0.011	93	2070973	145.1	
175 4-Bromophenyl phenyl ether	248	10.942	10.937	0.005	56	819072	158.1	
179 Hexachlorobenzene	284	11.006	11.001	0.005	91	825204	158.6	
183 Pentachlorophenol	266	11.231	11.226	0.005	87	499752	164.3	
188 Phenanthrene	178	11.445	11.439	0.006	96	3441536	137.5	
189 Anthracene	178	11.503	11.493	0.010	97	3554788	139.3	
192 Carbazole	167	11.674	11.669	0.005	83	3391527	147.1	
195 Di-n-butyl phthalate	149	12.027	12.022	0.005	99	3638872	139.2	
201 Fluoranthene	202	12.620	12.615	0.005	98	3882716	144.4	
202 Benzidine	184	12.748	12.743	0.005	99	2348753	171.0	
204 Pyrene	202	12.834	12.823	0.011	95	3956969	137.0	
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.400	13.395	0.005	93	1683445	140.7	
215 3,3'-Dichlorobenzidine	252	13.870	13.865	0.005	67	1798683	170.4	
216 Bis(2-ethylhexyl) phthalate	149	13.886	13.881	0.005	92	2290192	139.9	
217 Benzo[a]anthracene	228	13.897	13.891	0.006	96	3889816	137.5	
218 Chrysene	228	13.934	13.924	0.010	91	3927377	140.7	
220 Di-n-octyl phthalate	149	14.426	14.420	0.006	98	4294472	158.3	
221 Benzo[b]fluoranthene	252	14.837	14.826	0.011	93	5183060	155.9	
222 Benzo[k]fluoranthene	252	14.869	14.853	0.016	95	4830731	132.3	
225 Benzo[a]pyrene	252	15.152	15.136	0.016	75	4491263	149.5	

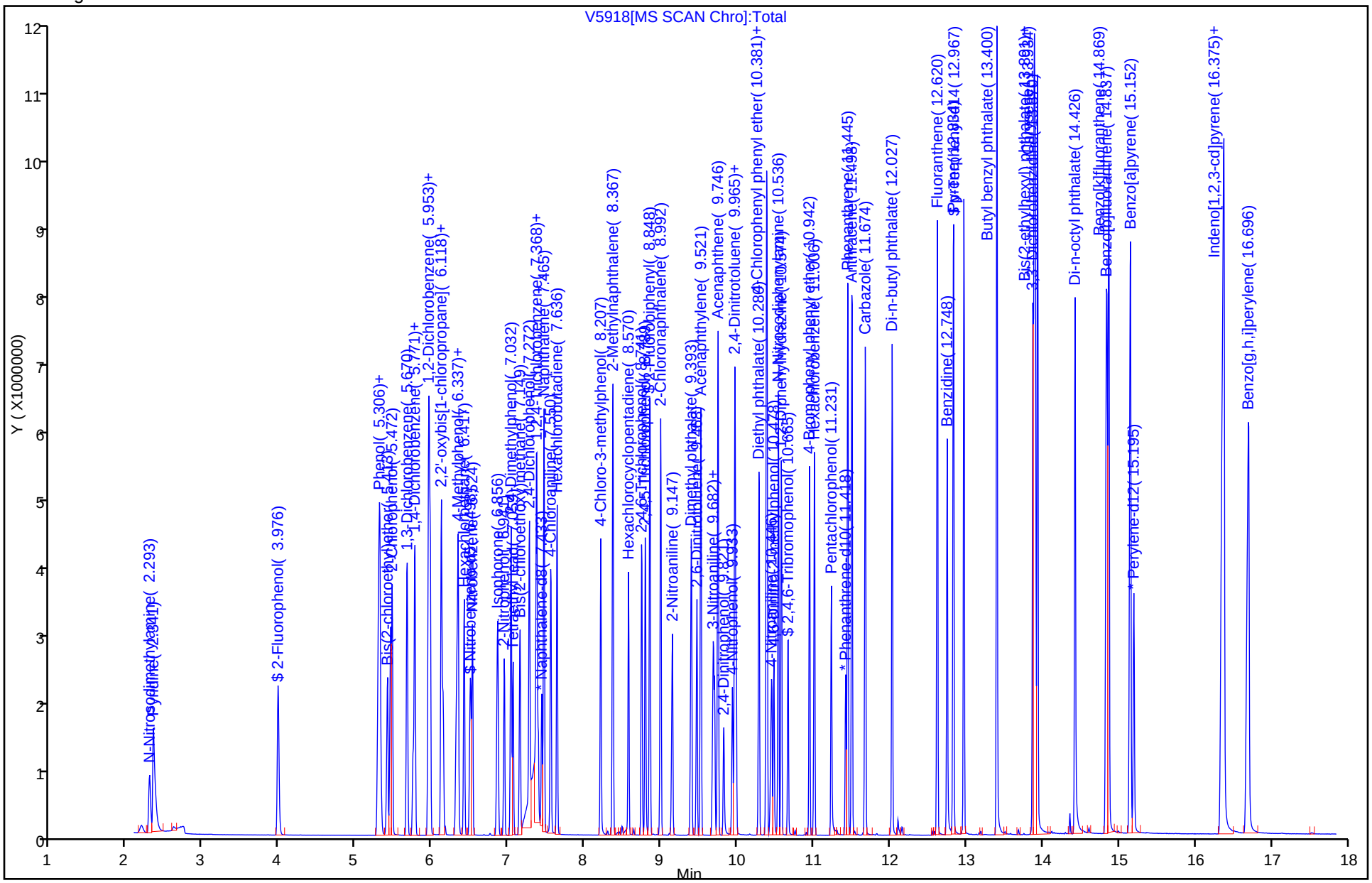
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.375	16.338	0.037	56	4764457	174.7	
227 Indeno[1,2,3-cd]pyrene	276	16.375	16.338	0.037	94	5828069	185.4	
229 Benzo[g,h,i]perylene	276	16.701	16.669	0.032	96	4757048	187.9	
S 232 Total Cresols	1				0		307.5	
S 234 3 & 4 Methylphenol	108				0		154.8	
S 233 3-Methylphenol	1				0		154.8	

Report Date: 16-Oct-2012 15:17:25 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D

Injection Date:	16-Oct-2012 14:05:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-86214/2 Calibration Date: 10/18/2012 10:35

Instrument ID: HP5973V Calib Start Date: 08/28/2012 16:17

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 08/28/2012 18:23

Lab File ID: V6025.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6332	0.6567	0.0100		50000	3.7	100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6025.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 18-Oct-2012 10:35:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: CCVIS
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 86214 Lims Sample ID: 2
Sublist: chrom-V-8270*sub23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m
Last Update: 18-Oct-2012 14:14:47 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK034

First Level Reviewer: lyh Date: 18-Oct-2012 14:14:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	0.0	92	218294	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	882103	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	89	523056	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	900106	40.0	
* 5 Chrysene-d12	240	13.902	13.902	0.0	97	987032	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	1154382	40.0	
$ 7 2-Fluorophenol	112	3.976	3.976	0.0	86	322073	51.0	
$ 8 Phenol-d5	99	5.274	5.274	0.0	93	381060	50.4	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	304392	52.1	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	100	769608	50.0	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	90	101227	53.0	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	99	990382	50.9	
69 N-Nitrosodimethylamine	42	2.299	2.299	0.0	85	142723	50.2	
70 Pyridine	52	2.358	2.358	0.0	97	233618	51.1	
81 Phenol	94	5.296	5.296	0.0	94	438986	50.7	
82 Aniline	93	5.306	5.306	0.0	90	511655	49.6	
83 Bis(2-chloroethyl)ether	93	5.397	5.397	0.0	98	330027	49.5	
84 2-Chlorophenol	128	5.461	5.461	0.0	88	380283	51.1	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	98	415266	50.5	
88 1,4-Dichlorobenzene	146	5.766	5.766	0.0	95	424839	50.4	
90 Benzyl alcohol	108	5.942	5.942	0.0	92	228072	54.3	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	92	402402	50.5	
92 2-Methylphenol	108	6.108	6.108	0.0	93	317459	50.9	
93 2,2'-oxybis[1-chloropropane]	45	6.129	6.129	0.0	93	401486	49.7	
95 N-Nitrosodi-n-propylamine	70	6.300	6.300	0.0	84	218102	50.8	
96 4-Methylphenol	108	6.321	6.321	0.0	97	331040	51.1	
99 Hexachloroethane	117	6.412	6.412	0.0	88	137410	50.2	
102 Nitrobenzene	77	6.514	6.514	0.0	83	315260	50.1	
106 Isophorone	82	6.834	6.834	0.0	96	559300	49.0	
107 2-Nitrophenol	139	6.936	6.936	0.0	85	209461	55.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	90	314061	50.5	
110 Tetraethyl lead	237	7.053	7.053	0.0	90	140302	51.6	
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	97	373903	49.5	
114 2,4-Dichlorophenol	162	7.262	7.262	0.0	89	309587	51.9	
115 Benzoic acid	105	7.267	7.267	0.0	82	633368	167.1	
117 1,2,4-Trichlorobenzene	180	7.358	7.358	0.0	92	352159	51.3	
118 Naphthalene	128	7.454	7.454	0.0	95	1033815	49.8	
119 4-Chloroaniline	127	7.545	7.545	0.0	86	439436	50.8	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	92	191385	51.3	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	86	270883	51.1	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	90	706652	50.6	
134 Hexachlorocyclopentadiene	237	8.565	8.565	0.0	85	127155	39.1	
137 2,4,6-Trichlorophenol	196	8.736	8.736	0.0	89	222052	50.5	
138 2,4,5-Trichlorophenol	196	8.790	8.790	0.0	95	242066	50.4	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	94	691416	50.6	
143 2-Nitroaniline	65	9.131	9.131	0.0	91	153445	51.3	
146 Dimethyl phthalate	163	9.383	9.383	0.0	99	775635	50.7	
149 2,6-Dinitrotoluene	165	9.457	9.457	0.0	88	182724	52.2	
150 Acenaphthylene	152	9.511	9.511	0.0	89	1064063	50.2	
151 3-Nitroaniline	138	9.666	9.666	0.0	94	207880	52.9	
152 Acenaphthene	153	9.735	9.735	0.0	93	679480	50.0	
153 2,4-Dinitrophenol	184	9.810	9.810	0.0	78	77418	47.3	
154 4-Nitrophenol	109	9.922	9.922	0.0	78	53717	39.1	
155 Dibenzofuran	168	9.960	9.960	0.0	89	962490	50.8	
156 2,4-Dinitrotoluene	165	9.970	9.970	0.0	55	254629	55.5	
161 Diethyl phthalate	149	10.269	10.269	0.0	98	743761	51.3	
162 Fluorene	166	10.371	10.371	0.0	84	784645	51.7	
163 4-Chlorophenyl phenyl ether	204	10.382	10.382	0.0	86	415258	51.6	
164 4-Nitroaniline	138	10.424	10.424	0.0	97	211051	52.5	
165 4,6-Dinitro-2-methylphenol	198	10.462	10.462	0.0	96	152401	46.8	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	57	564809	50.3	
170 1,2-Diphenylhydrazine	77	10.563	10.563	0.0	94	645215	49.1	
175 4-Bromophenyl phenyl ether	248	10.937	10.937	0.0	56	245188	50.8	
179 Hexachlorobenzene	284	11.001	11.001	0.0	91	246436	51.0	
183 Pentachlorophenol	266	11.226	11.226	0.0	88	124397	44.0	
188 Phenanthrene	178	11.439	11.439	0.0	96	1188995	51.1	
189 Anthracene	178	11.493	11.493	0.0	96	1213507	51.2	
192 Carbazole	167	11.669	11.669	0.0	82	1094259	51.1	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	99	1253412	51.6	
201 Fluoranthene	202	12.615	12.615	0.0	97	1289036	51.6	
202 Benzidine	184	12.743	12.743	0.0	97	683009	53.7	
204 Pyrene	202	12.823	12.823	0.0	97	1324192	49.6	
209 3,3'-Dimethylbenzidine	212	13.389	13.389	0.0	96	738865	0	
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	94	588052	53.1	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	64	513119	55.0	
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	94	816046	53.9	
217 Benzo[a]anthracene	228	13.891	13.891	0.0	98	1352553	51.7	
218 Chrysene	228	13.923	13.923	0.0	93	1353116	52.4	
220 Di-n-octyl phthalate	149	14.415	14.415	0.0	99	1387078	55.3	
221 Benzo[b]fluoranthene	252	14.826	14.826	0.0	92	1501357	53.9	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	99	1525876	49.9	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	75	1322715	52.6	

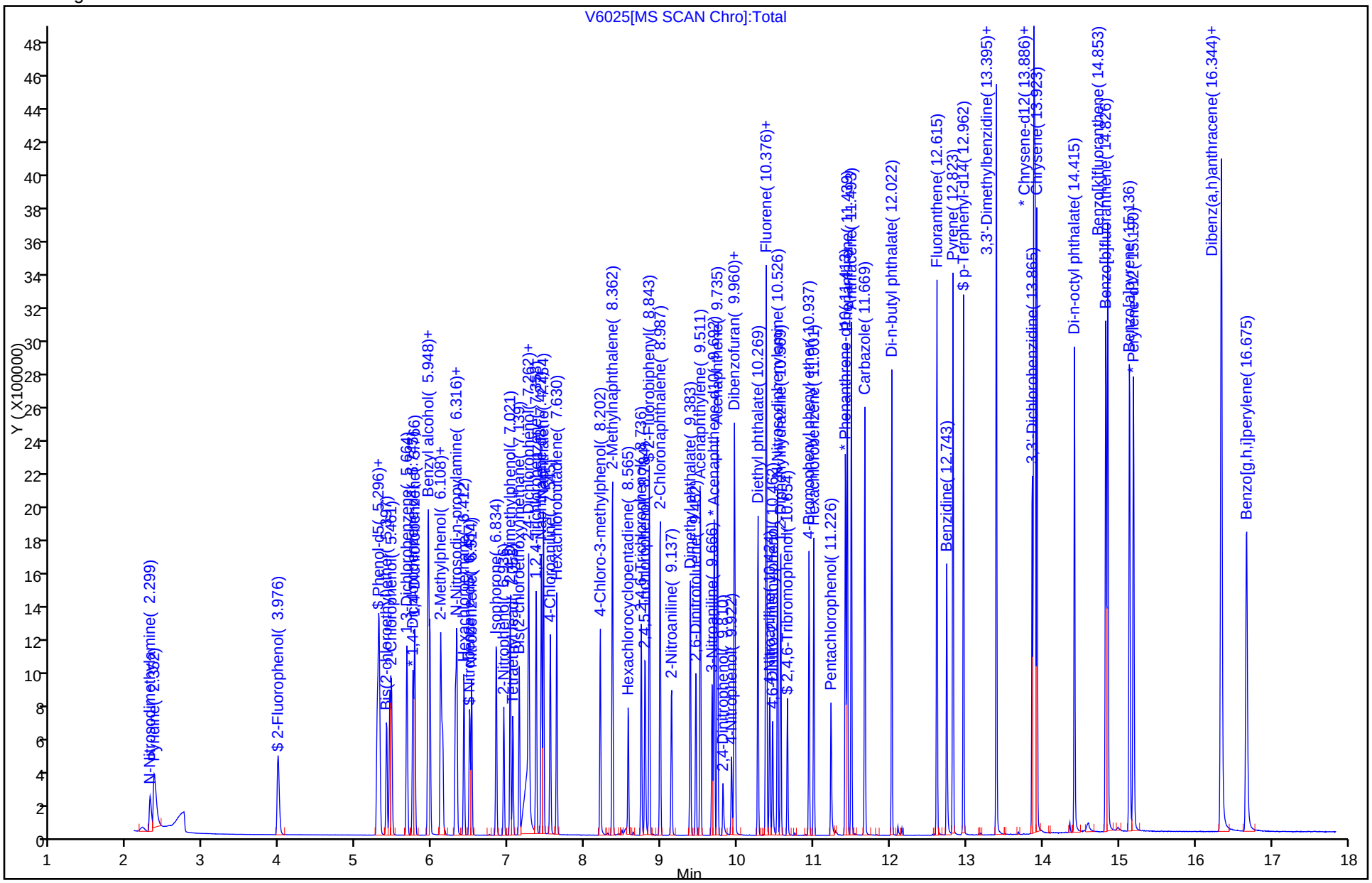
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
227 Indeno[1,2,3-cd]pyrene	276	16.344	16.344	0.0	95	1466884	55.7	
228 Dibenz(a,h)anthracene	278	16.344	16.344	0.0	54	1224883	52.3	
229 Benzo[g,h,i]perylene	276	16.675	16.675	0.0	95	1175097	55.4	
S 232 Total Cresols	1				0		101.9	
S 233 3-Methylphenol	1				0		51.1	
S 234 3 & 4 Methylphenol	108				0		51.1	

Report Date: 18-Oct-2012 14:14:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6025.D

Injection Date:	18-Oct-2012 10:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-86214/2 Calibration Date: 10/18/2012 10:35

Instrument ID: HP5973V Calib Start Date: 10/16/2012 12:03

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/16/2012 14:05

Lab File ID: V6025.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.5214	0.5231	0.0100	50200	50000	0.3	25.0
Pyridine	Ave	0.8376	0.8562	0.0100	51100	50000	2.2	100.0
Phenol	Ave	1.588	1.609	0.0100	50700	50000	1.3	20.0
Aniline	Ave	1.888	1.875	0.0100	49600	50000	-0.7	100.0
Bis(2-chloroethyl)ether	Ave	1.221	1.209	0.0100	49500	50000	-1.0	25.0
2-Chlorophenol	Ave	1.365	1.394	0.0100	51100	50000	2.1	25.0
1,3-Dichlorobenzene	Ave	1.507	1.522	0.0100	50500	50000	1.0	25.0
1,4-Dichlorobenzene	Ave	1.544	1.557	0.0100	50400	50000	0.9	20.0
Benzyl alcohol	Ave	0.7694	0.8358	0.0100	54300	50000	8.6	100.0
1,2-Dichlorobenzene	Ave	1.461	1.475	0.0100	50500	50000	0.9	25.0
2-Methylphenol	Ave	1.143	1.163	0.0100	50900	50000	1.8	25.0
2,2'-Oxybis(1-chloropropane)	Ave	1.479	1.471	0.0100	49700	50000	-0.5	25.0
N-Nitrosodi-n-propylamine	Ave	0.7865	0.7993	0.0500	50800	50000	1.6	25.0
4-Methylphenol	Ave	1.188	1.213	0.0100	51100	50000	2.1	25.0
Hexachloroethane	Ave	0.5019	0.5036	0.0100	50200	50000	0.3	25.0
Nitrobenzene	Ave	0.2856	0.2859	0.0100	50100	50000	0.1	25.0
Isophorone	Ave	0.5180	0.5072	0.0100	49000	50000	-2.1	25.0
2-Nitrophenol	Ave	0.1722	0.1900	0.0100	55100	50000	10.3	20.0
2,4-Dimethylphenol	Ave	0.2819	0.2848	0.0100	50500	50000	1.0	25.0
Tetraethyl lead	Ave	0.1233	0.1272	0.0100	51600	50000	3.2	40.0
Bis(2-chloroethoxy)methane	Ave	0.3423	0.3391	0.0100	49500	50000	-0.9	25.0
2,4-Dichlorophenol	Ave	0.2703	0.2808	0.0100	51900	50000	3.9	20.0
Benzoic acid	Qua		0.1915	0.0100	167000	150000	11.4	25.0
1,2,4-Trichlorobenzene	Ave	0.3111	0.3194	0.0100	51300	50000	2.7	25.0
Naphthalene	Ave	0.9421	0.9376	0.0100	49800	50000	-0.5	25.0
4-Chloroaniline	Ave	0.3926	0.3985	0.0100	50800	50000	1.5	25.0
Hexachlorobutadiene	Ave	0.1690	0.1736	0.0100	51300	50000	2.7	20.0
4-Chloro-3-methylphenol	Ave	0.2403	0.2457	0.0100	51100	50000	2.2	20.0
2-Methylnaphthalene	Ave	0.6327	0.6409	0.0100	50600	50000	1.3	25.0
Hexachlorocyclopentadiene	Lin1		0.1945	0.0500	39100	50000	-21.8	25.0
2,4,6-Trichlorophenol	Ave	0.3364	0.3396	0.0100	50500	50000	1.0	20.0
2,4,5-Trichlorophenol	Ave	0.3670	0.3702	0.0100	50400	50000	0.9	25.0
2-Chloronaphthalene	Ave	1.045	1.058	0.0100	50600	50000	1.2	25.0
2-Nitroaniline	Lin1		0.2347	0.0100	51300	50000	2.7	25.0
Dimethyl phthalate	Ave	1.170	1.186	0.0100	50700	50000	1.4	25.0
2,6-Dinitrotoluene	Lin1		0.2795	0.0100	52200	50000	4.3	25.0
Acenaphthylene	Ave	1.622	1.627	0.0100	50200	50000	0.3	25.0
3-Nitroaniline	Lin1		0.3180	0.0100	52900	50000	5.8	25.0
Acenaphthene	Ave	1.040	1.039	0.0100	50000	50000	-0.0	20.0
2,4-Dinitrophenol	Qua		0.1184	0.0500	47300	50000	-5.4	25.0
4-Nitrophenol	Qua		0.0822	0.0500	39100	50000	-21.9	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCVIS 480-86214/2 Calibration Date: 10/18/2012 10:35

Instrument ID: HP5973V Calib Start Date: 10/16/2012 12:03

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 10/16/2012 14:05

Lab File ID: V6025.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.450	1.472	0.0100	50800	50000	1.5	25.0
2,4-Dinitrotoluene	Ave	0.3506	0.3895	0.0100	55500	50000	11.1	25.0
Diethyl phthalate	Ave	1.109	1.138	0.0100	51300	50000	2.6	25.0
Fluorene	Ave	1.160	1.200	0.0100	51700	50000	3.5	25.0
4-Chlorophenyl phenyl ether	Ave	0.6152	0.6351	0.0100	51600	50000	3.2	25.0
4-Nitroaniline	Lin1		0.3228	0.0100	52500	50000	5.0	25.0
4,6-Dinitro-2-methylphenol	LinF		0.1355	0.0100	46800	50000	-6.4	25.0
N-Nitrosodiphenylamine	Ave	0.4987	0.5020	0.0100	50300	50000	0.7	20.0
1,2-Diphenylhydrazine	Ave	1.005	0.9868	0.0100	49100	50000	-1.8	25.0
4-Bromophenyl phenyl ether	Ave	0.2146	0.2179	0.0100	50800	50000	1.5	25.0
Hexachlorobenzene	Ave	0.2149	0.2190	0.0100	51000	50000	1.9	25.0
Pentachlorophenol	LinF		0.1106	0.0100	44000	50000	-12.0	20.0
Phenanthrene	Ave	1.033	1.057	0.0100	51100	50000	2.3	25.0
Anthracene	Ave	1.054	1.079	0.0100	51200	50000	2.3	25.0
Carbazole	Ave	0.9521	0.9726	0.0100	51100	50000	2.1	25.0
Di-n-butyl phthalate	Ave	1.080	1.114	0.0100	51600	50000	3.2	25.0
Fluoranthene	Ave	1.110	1.146	0.0100	51600	50000	3.2	20.0
Benzidine	Ave	0.5150	0.5536	0.0100	53700	50000	7.5	25.0
Pyrene	Ave	1.083	1.073	0.0100	49600	50000	-0.9	25.0
Butyl benzyl phthalate	Ave	0.4487	0.4766	0.0100	53100	50000	6.2	25.0
3,3'-Dichlorobenzidine	Ave	0.3783	0.4159	0.0100	55000	50000	9.9	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.6139	0.6614	0.0100	53900	50000	7.7	25.0
Benzo(a)anthracene	Ave	1.060	1.096	0.0100	51700	50000	3.4	25.0
Chrysene	Ave	1.047	1.097	0.0100	52400	50000	4.8	25.0
Di-n-octyl phthalate	Ave	1.017	1.124	0.0100	55300	50000	10.5	20.0
Benzo(b)fluoranthene	Ave	0.9653	1.040	0.0100	53900	50000	7.8	25.0
Benzo(k)fluoranthene	Ave	1.060	1.057	0.0100	49900	50000	-0.3	25.0
Benzo(a)pyrene	Ave	0.8721	0.9167	0.0100	52600	50000	5.1	20.0
Dibenz(a,h)anthracene	Lin1		0.8489	0.0100	52300	50000	4.5	25.0
Indeno(1,2,3-cd)pyrene	Ave	0.9129	1.017	0.0100	55700	50000	11.4	25.0
Benzo(g,h,i)perylene	Ave	0.7350	0.8144	0.0100	55400	50000	10.8	25.0
2-Fluorophenol	Ave	1.158	1.180	0.0100	51000	50000	1.9	25.0
Phenol-d5	Ave	1.385	1.397	0.0100	50400	50000	0.8	25.0
Nitrobenzene-d5	Ave	0.2651	0.2761	0.0100	52100	50000	4.1	25.0
2-Fluorobiphenyl	Ave	1.178	1.177	0.0100	50000	50000	-0.0	25.0
2,4,6-Tribromophenol	Ave	0.0848	0.0900	0.0100	53000	50000	6.1	25.0
p-Terphenyl-d14	Ave	0.7881	0.8027	0.0100	50900	50000	1.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6025.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 18-Oct-2012 10:35:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: CCVIS
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 86214 Lims Sample ID: 2
Sublist: chrom-V-8270*sub23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m
Last Update: 18-Oct-2012 14:14:47 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK034

First Level Reviewer: lyh Date: 18-Oct-2012 14:14:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	0.0	92	218294	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	882103	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	89	523056	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	900106	40.0	
* 5 Chrysene-d12	240	13.902	13.902	0.0	97	987032	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	1154382	40.0	
$ 7 2-Fluorophenol	112	3.976	3.976	0.0	86	322073	51.0	
$ 8 Phenol-d5	99	5.274	5.274	0.0	93	381060	50.4	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	304392	52.1	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	100	769608	50.0	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	90	101227	53.0	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	99	990382	50.9	
69 N-Nitrosodimethylamine	42	2.299	2.299	0.0	85	142723	50.2	
70 Pyridine	52	2.358	2.358	0.0	97	233618	51.1	
81 Phenol	94	5.296	5.296	0.0	94	438986	50.7	
82 Aniline	93	5.306	5.306	0.0	90	511655	49.6	
83 Bis(2-chloroethyl)ether	93	5.397	5.397	0.0	98	330027	49.5	
84 2-Chlorophenol	128	5.461	5.461	0.0	88	380283	51.1	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	98	415266	50.5	
88 1,4-Dichlorobenzene	146	5.766	5.766	0.0	95	424839	50.4	
90 Benzyl alcohol	108	5.942	5.942	0.0	92	228072	54.3	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	92	402402	50.5	
92 2-Methylphenol	108	6.108	6.108	0.0	93	317459	50.9	
93 2,2'-oxybis[1-chloropropane]	45	6.129	6.129	0.0	93	401486	49.7	
95 N-Nitrosodi-n-propylamine	70	6.300	6.300	0.0	84	218102	50.8	
96 4-Methylphenol	108	6.321	6.321	0.0	97	331040	51.1	
99 Hexachloroethane	117	6.412	6.412	0.0	88	137410	50.2	
102 Nitrobenzene	77	6.514	6.514	0.0	83	315260	50.1	
106 Isophorone	82	6.834	6.834	0.0	96	559300	49.0	
107 2-Nitrophenol	139	6.936	6.936	0.0	85	209461	55.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	90	314061	50.5	
110 Tetraethyl lead	237	7.053	7.053	0.0	90	140302	51.6	
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	97	373903	49.5	
114 2,4-Dichlorophenol	162	7.262	7.262	0.0	89	309587	51.9	
115 Benzoic acid	105	7.267	7.267	0.0	82	633368	167.1	
117 1,2,4-Trichlorobenzene	180	7.358	7.358	0.0	92	352159	51.3	
118 Naphthalene	128	7.454	7.454	0.0	95	1033815	49.8	
119 4-Chloroaniline	127	7.545	7.545	0.0	86	439436	50.8	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	92	191385	51.3	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	86	270883	51.1	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	90	706652	50.6	
134 Hexachlorocyclopentadiene	237	8.565	8.565	0.0	85	127155	39.1	
137 2,4,6-Trichlorophenol	196	8.736	8.736	0.0	89	222052	50.5	
138 2,4,5-Trichlorophenol	196	8.790	8.790	0.0	95	242066	50.4	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	94	691416	50.6	
143 2-Nitroaniline	65	9.131	9.131	0.0	91	153445	51.3	
146 Dimethyl phthalate	163	9.383	9.383	0.0	99	775635	50.7	
149 2,6-Dinitrotoluene	165	9.457	9.457	0.0	88	182724	52.2	
150 Acenaphthylene	152	9.511	9.511	0.0	89	1064063	50.2	
151 3-Nitroaniline	138	9.666	9.666	0.0	94	207880	52.9	
152 Acenaphthene	153	9.735	9.735	0.0	93	679480	50.0	
153 2,4-Dinitrophenol	184	9.810	9.810	0.0	78	77418	47.3	
154 4-Nitrophenol	109	9.922	9.922	0.0	78	53717	39.1	
155 Dibenzofuran	168	9.960	9.960	0.0	89	962490	50.8	
156 2,4-Dinitrotoluene	165	9.970	9.970	0.0	55	254629	55.5	
161 Diethyl phthalate	149	10.269	10.269	0.0	98	743761	51.3	
162 Fluorene	166	10.371	10.371	0.0	84	784645	51.7	
163 4-Chlorophenyl phenyl ether	204	10.382	10.382	0.0	86	415258	51.6	
164 4-Nitroaniline	138	10.424	10.424	0.0	97	211051	52.5	
165 4,6-Dinitro-2-methylphenol	198	10.462	10.462	0.0	96	152401	46.8	
168 N-Nitrosodiphenylamine	169	10.526	10.526	0.0	57	564809	50.3	
170 1,2-Diphenylhydrazine	77	10.563	10.563	0.0	94	645215	49.1	
175 4-Bromophenyl phenyl ether	248	10.937	10.937	0.0	56	245188	50.8	
179 Hexachlorobenzene	284	11.001	11.001	0.0	91	246436	51.0	
183 Pentachlorophenol	266	11.226	11.226	0.0	88	124397	44.0	
188 Phenanthrene	178	11.439	11.439	0.0	96	1188995	51.1	
189 Anthracene	178	11.493	11.493	0.0	96	1213507	51.2	
192 Carbazole	167	11.669	11.669	0.0	82	1094259	51.1	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	99	1253412	51.6	
201 Fluoranthene	202	12.615	12.615	0.0	97	1289036	51.6	
202 Benzidine	184	12.743	12.743	0.0	97	683009	53.7	
204 Pyrene	202	12.823	12.823	0.0	97	1324192	49.6	
209 3,3'-Dimethylbenzidine	212	13.389	13.389	0.0	96	738865	0	
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	94	588052	53.1	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	64	513119	55.0	
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	94	816046	53.9	
217 Benzo[a]anthracene	228	13.891	13.891	0.0	98	1352553	51.7	
218 Chrysene	228	13.923	13.923	0.0	93	1353116	52.4	
220 Di-n-octyl phthalate	149	14.415	14.415	0.0	99	1387078	55.3	
221 Benzo[b]fluoranthene	252	14.826	14.826	0.0	92	1501357	53.9	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	99	1525876	49.9	
225 Benzo[a]pyrene	252	15.136	15.136	0.0	75	1322715	52.6	

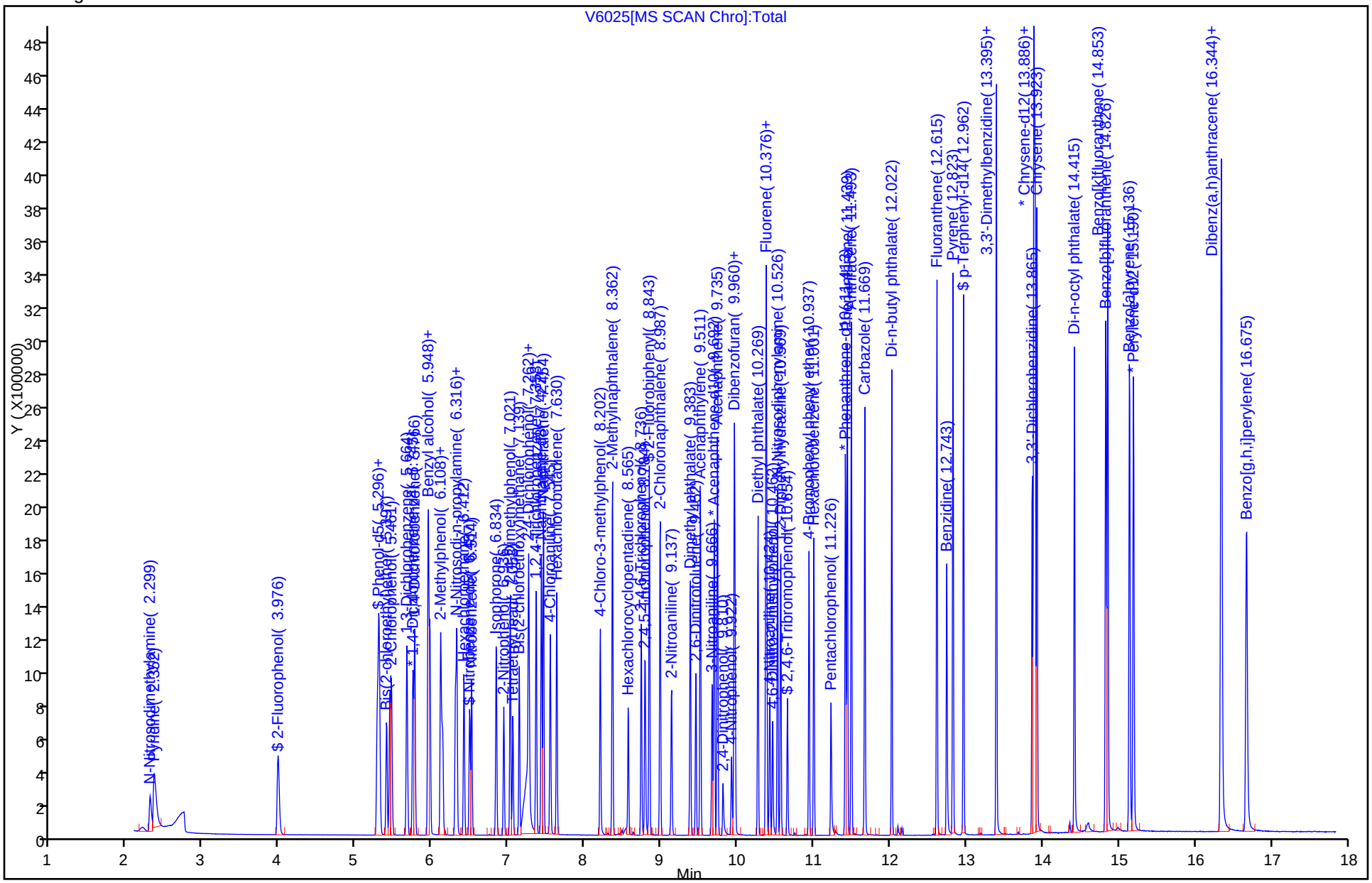
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
227 Indeno[1,2,3-cd]pyrene	276	16.344	16.344	0.0	95	1466884	55.7	
228 Dibenz(a,h)anthracene	278	16.344	16.344	0.0	54	1224883	52.3	
229 Benzo[g,h,i]perylene	276	16.675	16.675	0.0	95	1175097	55.4	
S 232 Total Cresols	1				0		101.9	
S 233 3-Methylphenol	1				0		51.1	
S 234 3 & 4 Methylphenol	108				0		51.1	

Report Date: 18-Oct-2012 14:14:48 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6025.D

Injection Date:	18-Oct-2012 10:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Lab Sample ID: CCV 480-86214/3 Calibration Date: 10/18/2012 10:59

Instrument ID: HP5973V Calib Start Date: 08/28/2012 18:47

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 08/28/2012 20:47

Lab File ID: V6026.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	0.9875	0.8963	0.0100	45400	50000	-9.2	40.0
Acetophenone	Ave	1.759	1.630	0.0100	46300	50000	-7.3	40.0
Caprolactam	Lin1		0.1155	0.0100	51400	50000	2.8	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4874	0.5470	0.0100	56100	50000	12.2	40.0
Biphenyl	Ave	1.418	1.469	0.0100	51800	50000	3.6	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2659	0.0100	55500	50000	10.9	40.0
Atrazine	Ave	0.3253	0.3575	0.0100	55000	50000	9.9	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6026.D		
Lims ID:	CCV TCLADD	Client ID:	
Inject. Date:	18-Oct-2012 10:59:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:	CCV		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	86214	Lims Sample ID:	3
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	18-Oct-2012 14:14:07	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK034		
First Level Reviewer: lyh		Date:	18-Oct-2012 14:14:07

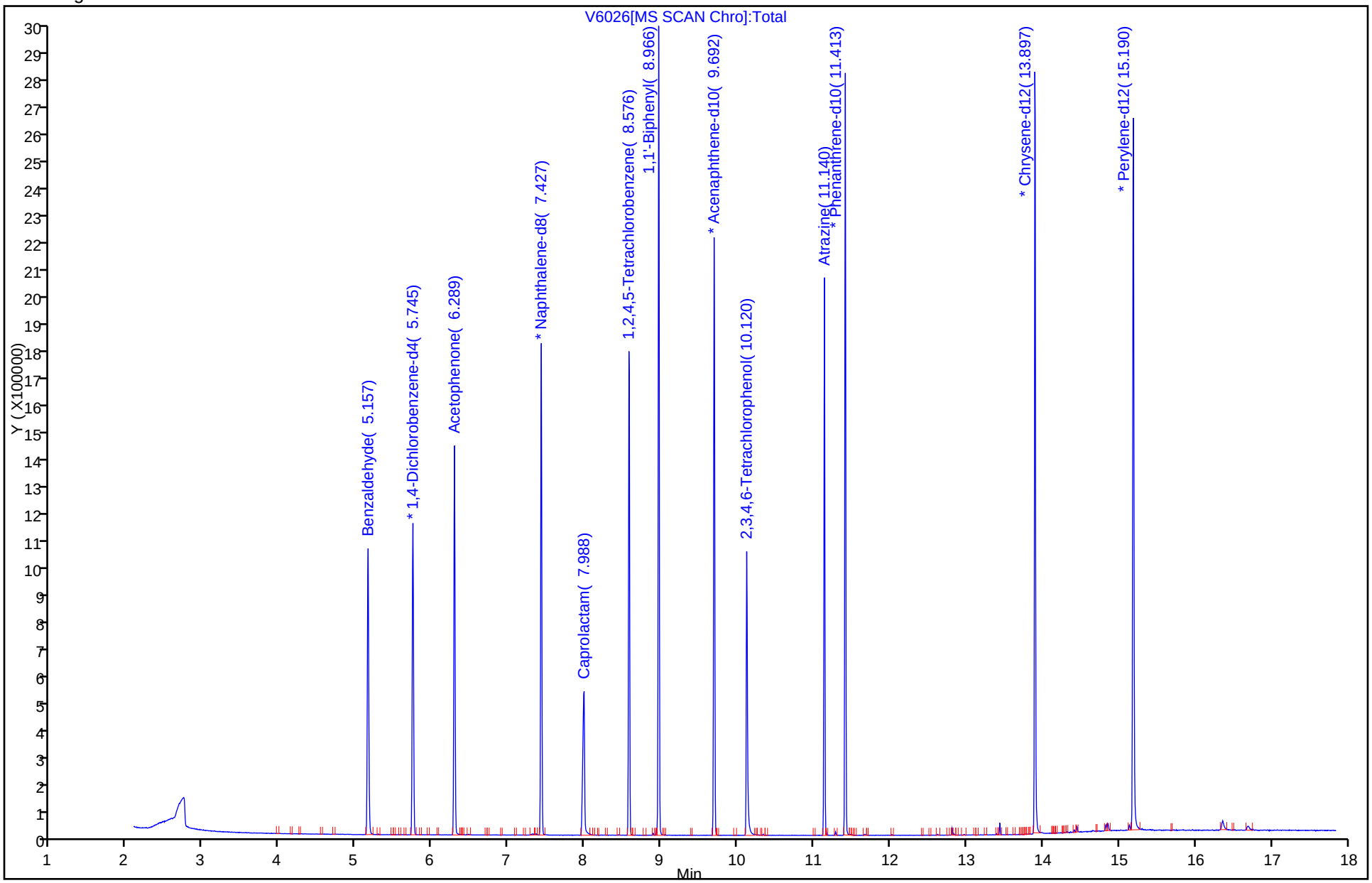
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.745	5.745	0.0	92	255726	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	99	970798	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	582669	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	1065700	40.0	
* 5 Chrysene-d12	240	13.897	13.897	0.0	98	1029705	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	1177267	40.0	
80 Benzaldehyde	77	5.157	5.157	0.0	91	286509	45.4	
94 Acetophenone	105	6.289	6.289	0.0	95	521133	46.3	
124 Caprolactam	113	7.988	7.988	0.0	76	140167	51.4	
135 1,2,4,5-Tetrachlorobenzene	216	8.576	8.576	0.0	94	398408	56.1	
140 1,1'-Biphenyl	154	8.966	8.966	0.0	94	1069790	51.8	
158 2,3,4,6-Tetrachlorophenol	232	10.120	10.120	0.0	67	193639	55.5	
180 Atrazine	200	11.140	11.140	0.0	94	260373	55.0	

Report Date: 18-Oct-2012 14:14:07 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6026.D

Injection Date:	18-Oct-2012 10:59:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	28-Aug-2012 16:00:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0014450-001		
Misc. Info.:	DFTPP		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	78493	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V-8270.m		
Last Update:	28-Aug-2012 20:46:02	Calib Date:	28-Aug-2012 20:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4457.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK038		
First Level Reviewer: mckernar		Date:	28-Aug-2012 20:46:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.890	6.890	0.0	84	41279	0	
114 DFTPP								
130 Benzidine_T	184	8.327	8.327	0.0	97	258817	0	
137 4,4'-DDD	235		8.765					9
141 4,4'-DDT	235	9.048	9.048	0.0	93	115514	0	
134 4,4'-DDE	246	8.537	8.537	0.0	1	0	0	

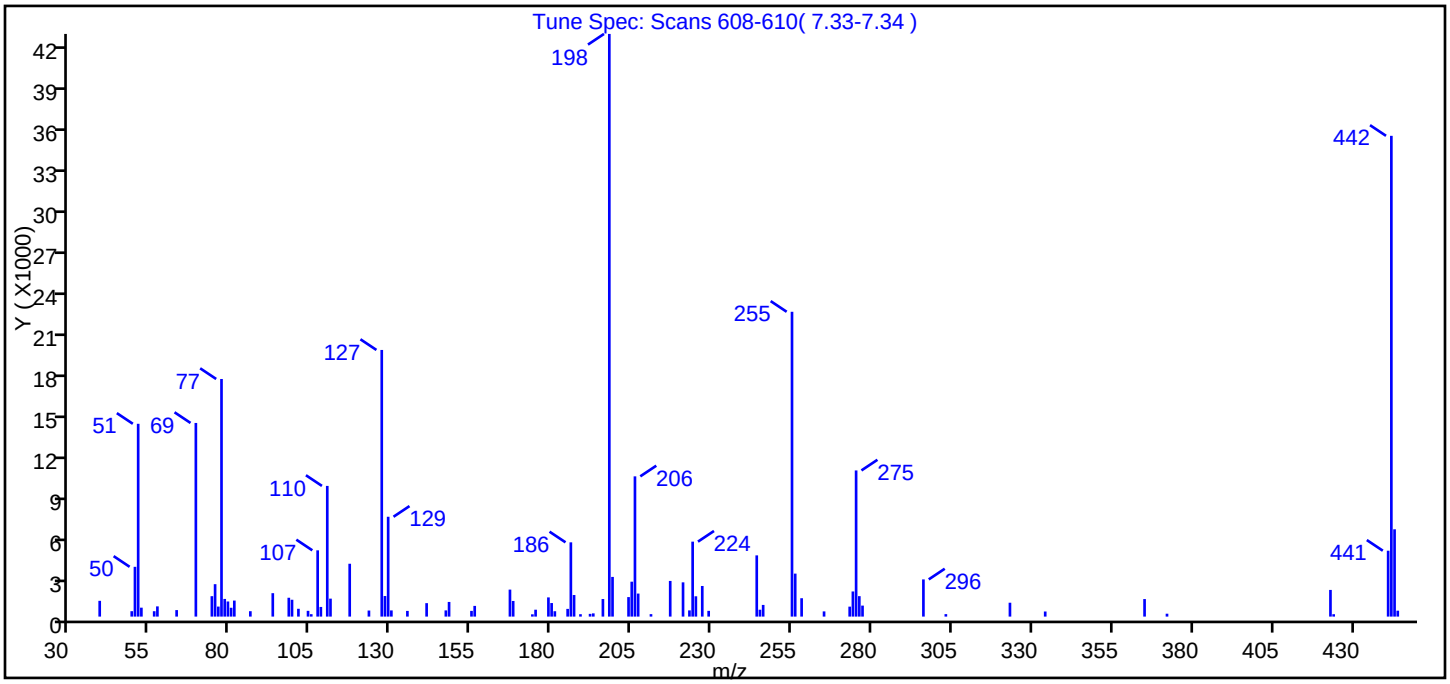
QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D		
Injection Date:	28-Aug-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	33.09
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	33.23
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.76
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	25.08
365	Greater than 1.00% of mass 198	3.01
441	Present, but less than mass 443%	11.31 (75.46)
442	Greater than 40.00% of mass 198	82.51
443	17.00 - 23.00% of mass 442	14.98 (18.16)

Data File: \\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D\V-8270.rslt\spectra.d
Injection Date: 28-Aug-2012 16:00:30
Spectrum: Tune Spec: Scans 608-610(7.33-7.34)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 92

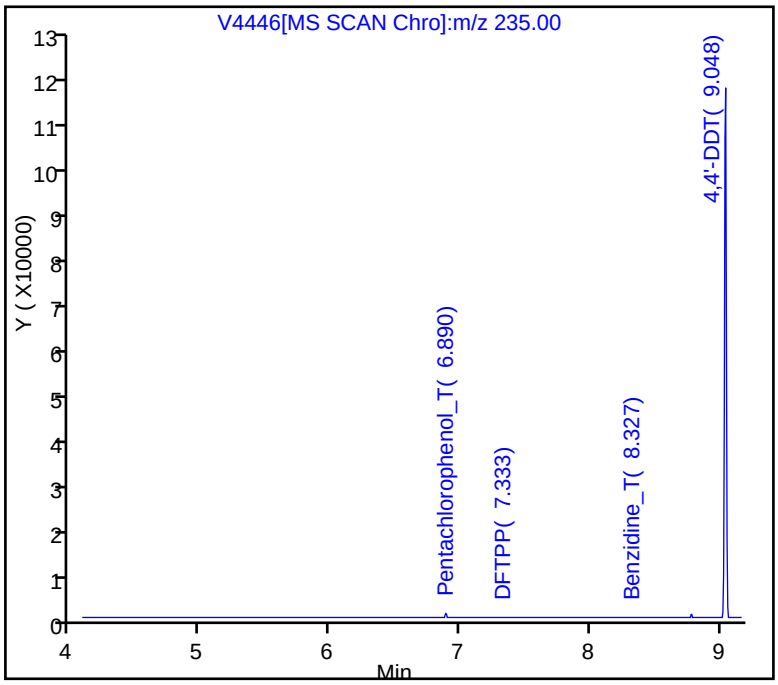
m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1160	105.00	178	181.00	395	245.00	505
49.00	398	107.00	4875	185.00	567	246.00	859
50.00	3662	108.00	710	186.00	5463	255.00	22424
51.00	14184	110.00	9614	187.00	1587	256.00	3162
52.00	657	111.00	1321	189.00	176	258.00	1352
56.00	396	117.00	3888	192.00	201	265.00	383
57.00	752	123.00	446	193.00	237	273.00	733
63.00	479	127.00	19616	196.00	1292	274.00	1849
69.00	14245	128.00	1513	198.00	42864	275.00	10752
74.00	1502	129.00	7345	199.00	2919	276.00	1504
75.00	2385	130.00	455	204.00	1435	277.00	809
76.00	737	135.00	418	205.00	2568	296.00	2736
77.00	17480	141.00	989	206.00	10317	303.00	182
78.00	1300	147.00	456	207.00	1694	323.00	1021
79.00	1112	148.00	1078	211.00	181	334.00	375
80.00	650	155.00	420	217.00	2623	365.00	1290
81.00	1179	156.00	787	221.00	2520	372.00	213
86.00	397	167.00	1986	223.00	457	423.00	1962
93.00	1723	168.00	1149	224.00	5514	424.00	176
98.00	1386	174.00	168	225.00	1495	441.00	4847
99.00	1239	175.00	507	227.00	2252	442.00	35368
101.00	575	179.00	1412	229.00	423	443.00	6423
104.00	424	180.00	997	244.00	4504	444.00	435

Report Date: 28-Aug-2012 20:46:03 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Breakdown Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D		
Injection Date:	28-Aug-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 115514
137 4,4'-DDD, Area = 0
134 4,4'-DDE, Area = 0

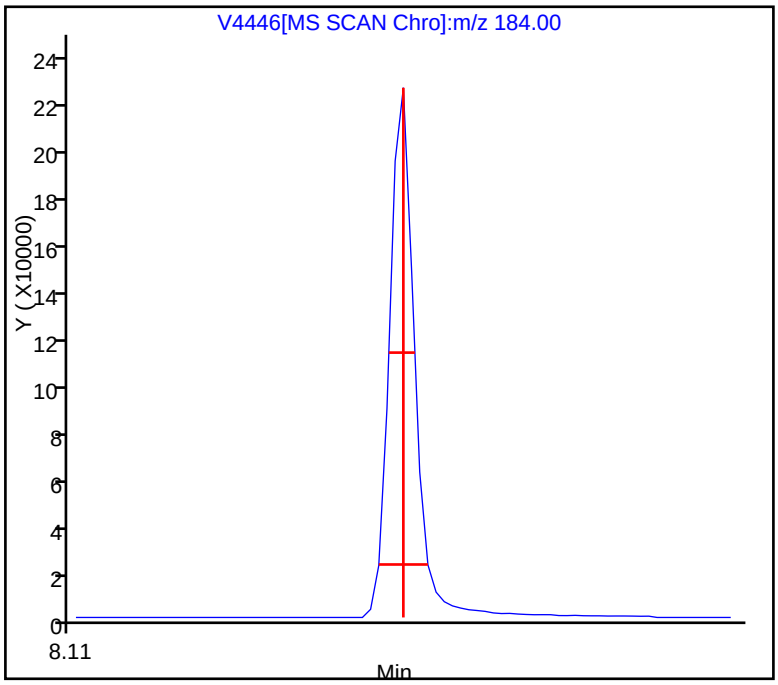
%Breakdown: 0.00%, Max Limit: 20.00%
Passed

Report Date: 28-Aug-2012 20:46:03 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D		
Injection Date:	28-Aug-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

130 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.016 (min.)

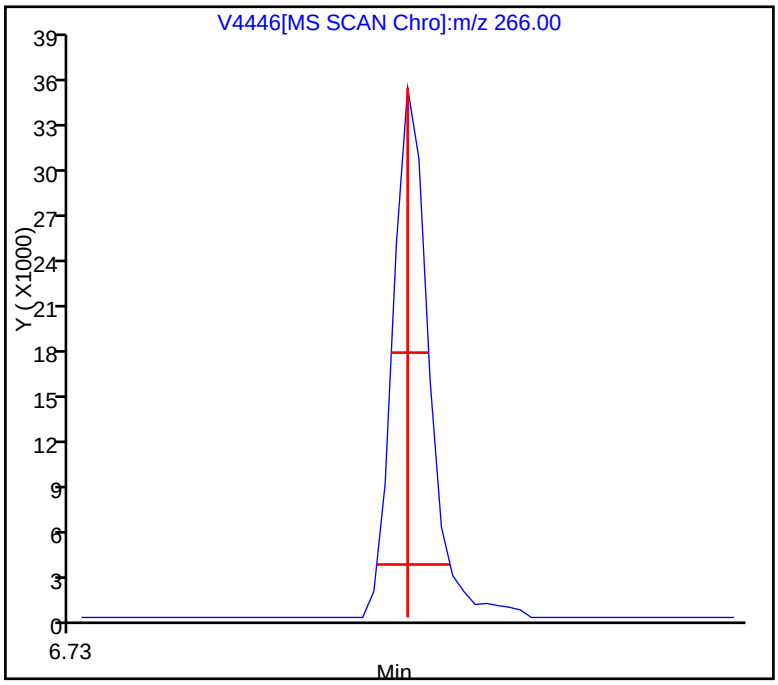
Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

Report Date: 28-Aug-2012 20:46:03 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120828-14450.b\V4446.D		
Injection Date:	28-Aug-2012 16:00:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	78493	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

108 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 5.00
Passed

TestAmerica Laboratories
Target Compound Quantitation Report

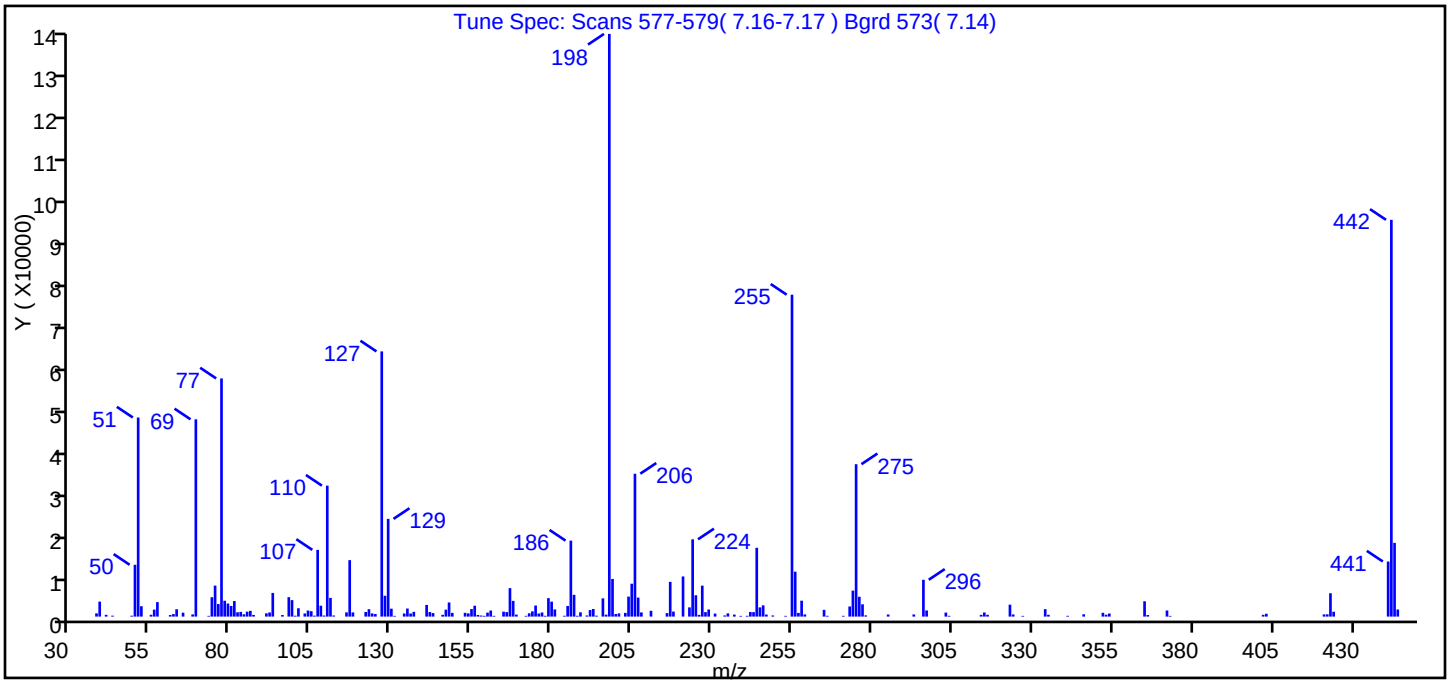
Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	16-Oct-2012 11:41:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	DFTPP		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85675	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V-8270.m		
Last Update:	16-Oct-2012 15:17:07	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK014		
First Level Reviewer: lyh		Date:	16-Oct-2012 15:17:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
104 Pentachlorophenol_T	266	6.735	6.735	0.0	89	90474	0	
112 DFTPP								
130 4,4'-DDE	246		7.455					
128 Benzidine_T	184	8.166	8.166	0.0	97	615116	0	
136 4,4'-DDD	235	8.615	8.615	0.0	1	4362	0	
139 4,4'-DDT	235	8.877	8.877	0.0	98	350598	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D		
Injection Date:	16-Oct-2012 11:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.17
68	Less than 2.00% of mass 69	0.37 (1.10)
69	Present	33.86
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.51
197	Less than 1.00% of mass 198	0.33
199	5.00 - 9.00% of mass 198	6.46
275	10.00 - 30.00% of mass 198	26.16
365	Greater than 1.00% of mass 198	2.63
441	Present, but less than mass 443%	9.45 (74.72)
442	Greater than 40.00% of mass 198	68.10
443	17.00 - 23.00% of mass 442	12.65 (18.58)

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D\V-8270.rslt\spectra.d
Injection Date: 16-Oct-2012 11:41:30
Spectrum: Tune Spec: Scans 577-579(7.16-7.17) Bgrd 573(7.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	771	112.00	261	184.00	201	256.00	10609
39.00	3540	116.00	997	185.00	2516	257.00	867
41.00	420	117.00	13338	186.00	17952	258.00	3758
43.00	223	118.00	990	187.00	5144	259.00	510
49.00	209	122.00	1092	188.00	194	265.00	1597
50.00	12244	123.00	1746	189.00	1009	266.00	185
51.00	47040	124.00	752	191.00	262	271.00	184
52.00	2452	125.00	606	192.00	1547	273.00	2395
55.00	431	127.00	62656	193.00	1796	274.00	6138
56.00	1646	128.00	4924	194.00	221	275.00	36008
57.00	3419	129.00	23088	196.00	4309	276.00	4683
61.00	369	130.00	1870	197.00	456	277.00	2902
62.00	591	131.00	170	198.00	137664	278.00	288
63.00	1738	134.00	732	199.00	8892	285.00	497
65.00	925	135.00	1905	200.00	606	293.00	507
68.00	515	136.00	726	201.00	754	296.00	8700
69.00	46608	137.00	1122	203.00	875	297.00	1445
73.00	174	141.00	2756	204.00	4727	303.00	947
74.00	4575	142.00	1072	205.00	7767	304.00	184
75.00	7325	143.00	833	206.00	33760	314.00	413
76.00	2969	146.00	419	207.00	4488	315.00	975
77.00	56272	147.00	1638	208.00	988	316.00	428
78.00	3749	148.00	3341	211.00	1378	323.00	2820
79.00	3084	149.00	875	216.00	821	324.00	504
80.00	2505	153.00	885	217.00	8205	327.00	170
81.00	3677	154.00	754	218.00	1190	334.00	1759
82.00	1019	155.00	1781	221.00	9484	335.00	427
83.00	1111	156.00	2563	223.00	2180	341.00	186
84.00	539	157.00	392	224.00	18256	346.00	542
85.00	1161	158.00	249	225.00	5048	352.00	902
86.00	1365	159.00	176	226.00	403	353.00	441
87.00	395	160.00	936	227.00	7317	354.00	722
91.00	773	161.00	1434	228.00	1059	365.00	3621

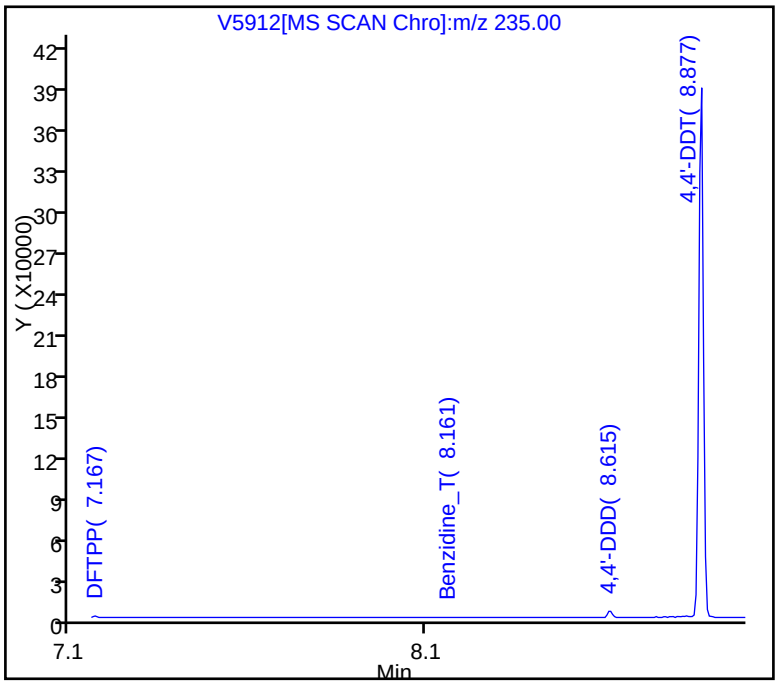
Report Date: 16-Oct-2012 15:17:07 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D\V-8270.rslt\spectra.d
Injection Date: 16-Oct-2012 11:41:30
Spectrum: Tune Spec: Scans 577-579(7.16-7.17) Bgrd 573(7.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	975	162.00	181	229.00	1678	366.00	367
93.00	5595	165.00	1168	231.00	708	372.00	1448
96.00	368	166.00	1068	234.00	271	373.00	169
98.00	4590	167.00	6724	235.00	761	402.00	417
99.00	3891	168.00	3714	237.00	474	403.00	674
100.00	212	169.00	478	239.00	169	421.00	521
101.00	1970	172.00	186	241.00	191	422.00	528
103.00	738	173.00	775	242.00	1090	423.00	5521
104.00	1434	174.00	1229	243.00	1060	424.00	1146
105.00	1275	175.00	2619	244.00	16260	441.00	13014
106.00	223	176.00	726	245.00	2176	442.00	93744
107.00	15767	177.00	969	246.00	2659	443.00	17416
108.00	2576	178.00	186	247.00	485	444.00	1675
109.00	253	179.00	4368	249.00	268		
110.00	30936	180.00	3531	253.00	178		
111.00	4417	181.00	1697	255.00	76056		

Breakdown Report

Data File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D
Injection Date: 16-Oct-2012 11:41:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 85675 Lims Sample ID: 1
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

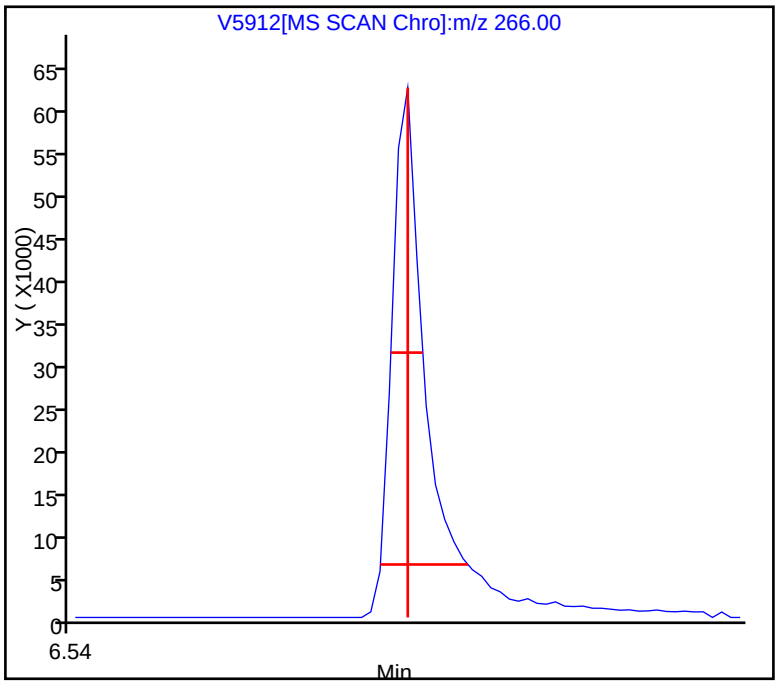
139 4,4'-DDT, Area = 350598
136 4,4'-DDD, Area = 4362
130 4,4'-DDE, Area = 0

%Breakdown: 1.23%, Max Limit: 20.00%
Passed

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D		
Injection Date:	16-Oct-2012 11:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

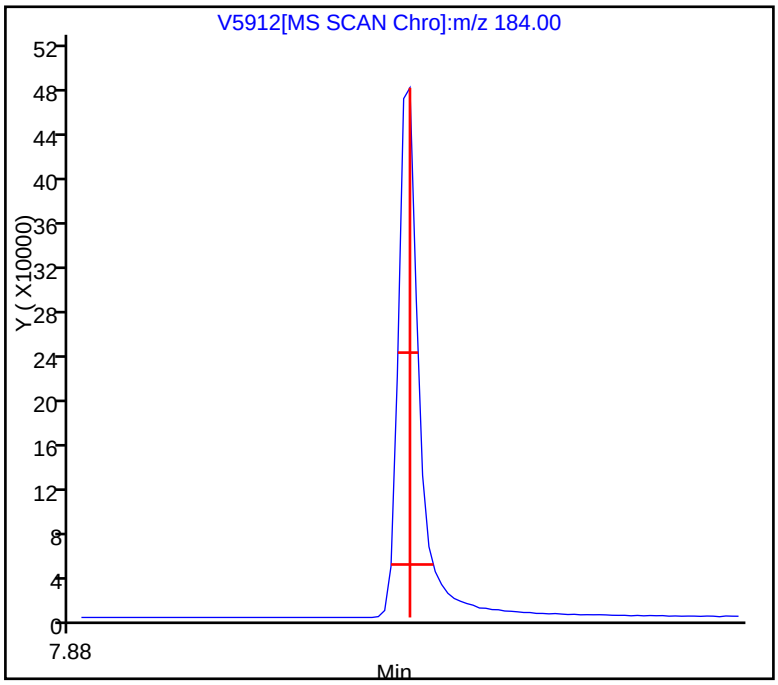
Back Width = 0.035 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 2.2, Max. Tailing < 5.00
Passed

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5912.D		
Injection Date:	16-Oct-2012 11:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	85675	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

128 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.2, Max. Tailing < 3.00
Passed

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D
Lims ID: DFTPP Client ID:
Inject. Date: 18-Oct-2012 10:17:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.: DFTPP
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 86214 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m
Last Update: 18-Oct-2012 14:14:51 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK034

First Level Reviewer: lyh Date: 18-Oct-2012 14:14:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		5.745					
* 2 Naphthalene-d8	136		7.427					9
* 3 Acenaphthene-d10	164		9.692					9
* 4 Phenanthrene-d10	188		11.413					
* 5 Chrysene-d12	240		13.902					
* 6 Perylene-d12	264		15.190					
104 Pentachlorophenol_T	266	6.729	6.729	0.0	89	131410	0	
112 DFTPP								
130 4,4'-DDE	246		7.455					
128 Benzidine_T	184	8.156	8.156	0.0	98	983259	0	
136 4,4'-DDD	235	8.610	8.610	0.0	1	6120	0	
139 4,4'-DDT	235	8.872	8.872	0.0	98	423854	0	

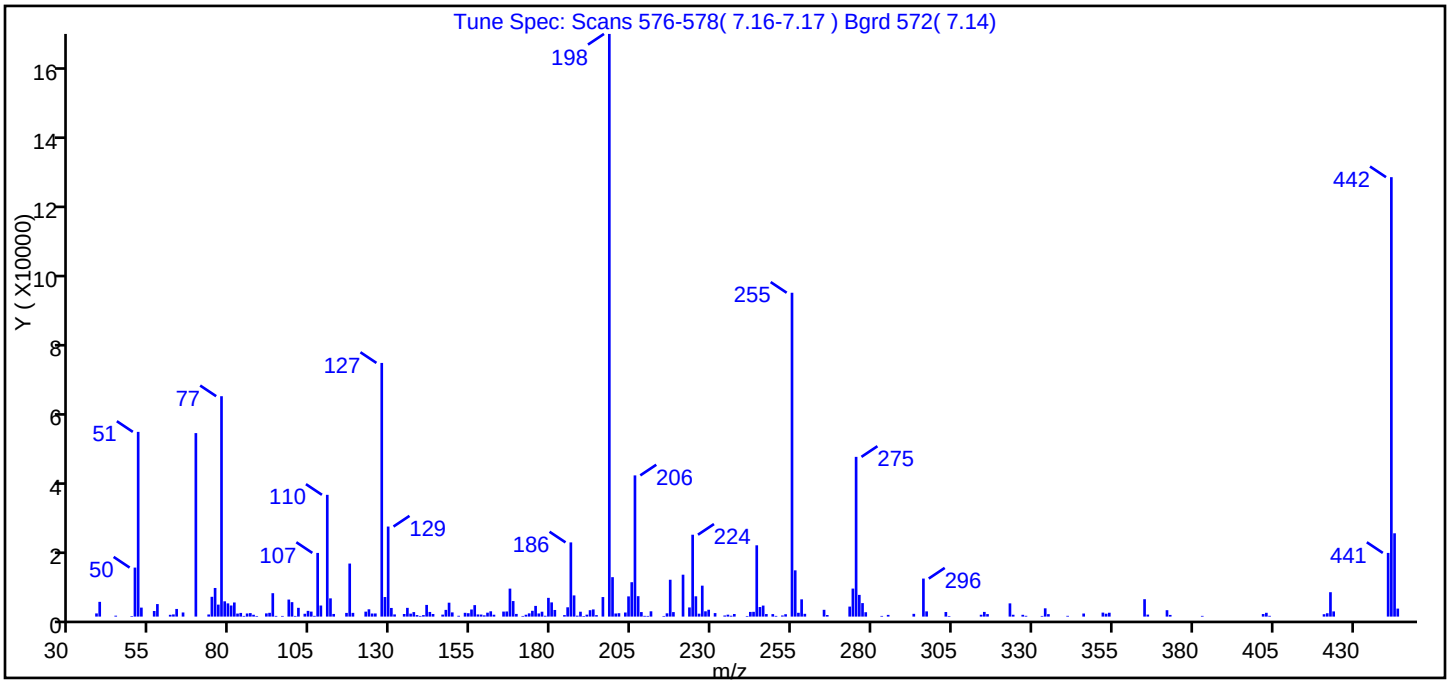
QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D		
Injection Date:	18-Oct-2012 10:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

112 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	31.49
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	43.54
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.77
275	10.00 - 30.00% of mass 198	27.41
365	Greater than 1.00% of mass 198	2.98
441	Present, but less than mass 443%	10.93 (76.44)
442	Greater than 40.00% of mass 198	75.42
443	17.00 - 23.00% of mass 442	14.30 (18.96)

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D\V-8270.rslt\spectra.d
Injection Date: 18-Oct-2012 10:17:30
Spectrum: Tune Spec: Scans 576-578(7.16-7.17) Bgrd 572(7.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	914	123.00	2088	187.00	6069	257.00	1089
39.00	4226	124.00	884	188.00	268	258.00	4948
44.00	263	125.00	896	189.00	1397	259.00	796
49.00	170	127.00	72696	190.00	169	265.00	1946
50.00	14043	128.00	5606	191.00	556	266.00	450
51.00	52936	129.00	25808	192.00	1836	273.00	2868
52.00	2577	130.00	2477	193.00	2052	274.00	8029
56.00	1606	131.00	626	194.00	420	275.00	45776
57.00	3588	134.00	744	196.00	5600	276.00	6220
61.00	513	135.00	2504	198.00	166976	277.00	3866
62.00	623	136.00	845	199.00	11300	278.00	1252
63.00	2192	137.00	1294	200.00	888	283.00	197
65.00	1184	138.00	437	201.00	971	285.00	490
69.00	52584	139.00	193	203.00	1170	293.00	790
73.00	607	140.00	428	204.00	5793	296.00	10898
74.00	5669	141.00	3346	205.00	9855	297.00	1498
75.00	8203	142.00	1334	206.00	40464	303.00	1313
76.00	3432	143.00	744	207.00	5850	304.00	177
77.00	63160	146.00	566	208.00	1296	314.00	527
78.00	4378	147.00	1925	209.00	210	315.00	1342
79.00	3789	148.00	3983	210.00	194	316.00	715
80.00	3182	149.00	1205	211.00	1519	323.00	3792
81.00	4047	151.00	238	215.00	180	324.00	529
82.00	871	153.00	1085	216.00	942	327.00	513
83.00	1054	154.00	973	217.00	10561	328.00	223
84.00	196	155.00	2036	218.00	1290	333.00	189
85.00	897	156.00	3287	221.00	12010	334.00	2373
86.00	1003	157.00	616	223.00	2626	335.00	705
87.00	528	158.00	585	224.00	23464	341.00	218
88.00	178	159.00	355	225.00	5818	346.00	881
91.00	924	160.00	1124	226.00	837	352.00	1144
92.00	1085	161.00	1521	227.00	8865	353.00	829
93.00	6707	162.00	537	228.00	1516	354.00	1105

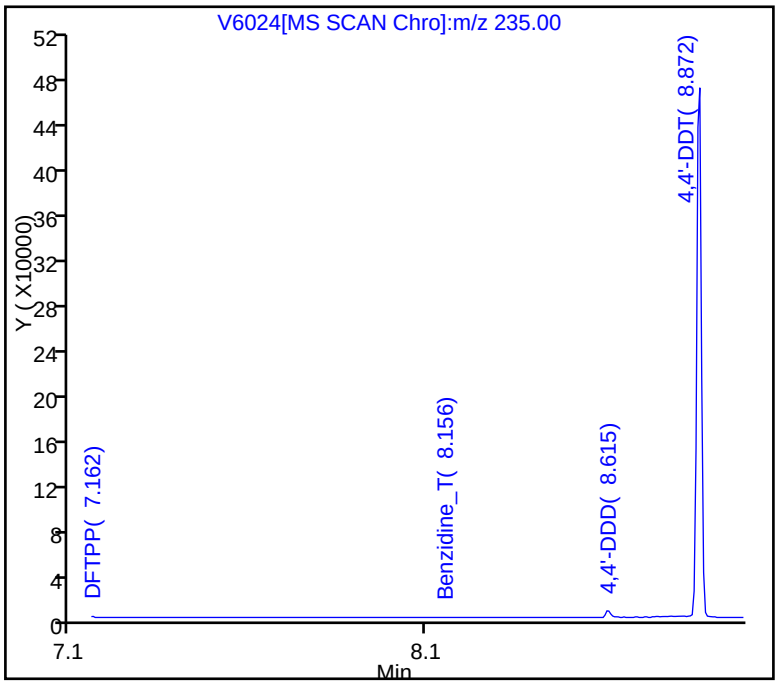
Report Date: 18-Oct-2012 14:14:52 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D\V-8270.rslt\spectra.d
Injection Date: 18-Oct-2012 10:17:30
Spectrum: Tune Spec: Scans 576-578(7.16-7.17) Bgrd 572(7.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	199	165.00	1439	229.00	1966	365.00	4984
96.00	190	166.00	1469	231.00	1009	366.00	572
98.00	4883	167.00	8018	234.00	313	372.00	1835
99.00	4141	168.00	4454	235.00	549	373.00	479
100.00	188	169.00	767	236.00	250	383.00	206
101.00	2514	171.00	183	237.00	743	402.00	737
103.00	811	172.00	537	241.00	177	403.00	1091
104.00	1643	173.00	926	242.00	1340	404.00	225
105.00	1429	174.00	1661	243.00	1369	421.00	683
106.00	208	175.00	3066	244.00	20432	422.00	961
107.00	18248	176.00	901	245.00	2741	423.00	6991
108.00	3175	177.00	1403	246.00	3158	424.00	1490
110.00	34896	178.00	239	247.00	734	441.00	18248
111.00	5229	179.00	5370	249.00	718	442.00	125928
112.00	758	180.00	4071	250.00	200	443.00	23872
116.00	1057	181.00	1899	252.00	318	444.00	2292
117.00	15202	184.00	426	253.00	683		
118.00	1069	185.00	2667	255.00	92808		
122.00	1420	186.00	21264	256.00	13255		

Breakdown Report

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D
Injection Date: 18-Oct-2012 10:17:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 86214 Lims Sample ID: 1
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

139 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

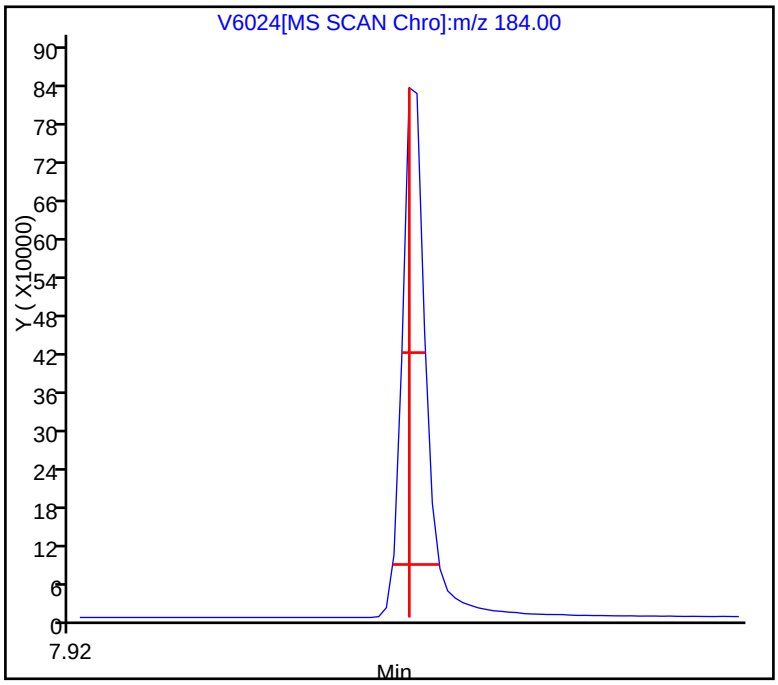
139 4,4'-DDT, Area = 423854
136 4,4'-DDD, Area = 6120
130 4,4'-DDE, Area = 0

%Breakdown: 1.42%, Max Limit: 20.00%
Passed

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D		
Injection Date:	18-Oct-2012 10:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

128 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.012 (min.)

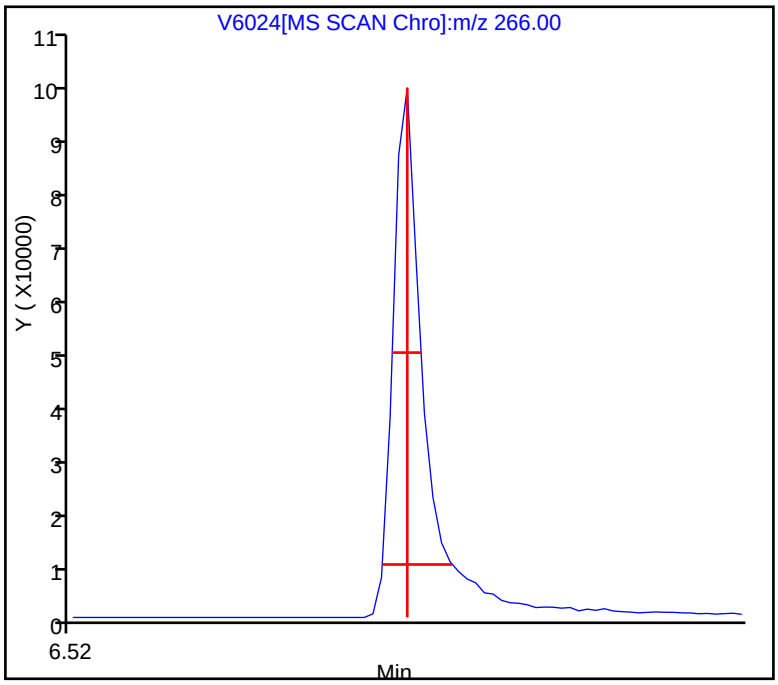
Tailing Factor = 1.8, Max. Tailing < 3.00
Passed

Report Date: 18-Oct-2012 14:14:51 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Peak Tailing Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6024.D		
Injection Date:	18-Oct-2012 10:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

104 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.028 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.8, Max. Tailing < 5.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85908/1-A

Matrix: Water | Lab File ID: V6030.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 12:37

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	1.63	J	10	0.44
95-50-1	1,2-Dichlorobenzene	ND		10	0.40
541-73-1	1,3-Dichlorobenzene	ND		10	0.48
106-46-7	1,4-Dichlorobenzene	ND		10	0.46
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85908/1-A

Matrix: Water | Lab File ID: V6030.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 12:37

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	0.369	J	5.0	0.34
191-24-2	Benzo(g,h,i)perylene	0.680	J	5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	0.481	J	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	3.03	J	5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	0.606	J	5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85908/1-A

Matrix: Water | Lab File ID: V6030.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 12:37

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.: 86214 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	115		52-132
321-60-8	2-Fluorobiphenyl	87		48-120
367-12-4	2-Fluorophenol	51		20-120
4165-60-0	Nitrobenzene-d5	89		46-120
4165-62-2	Phenol-d5	34		16-120
1718-51-0	p-Terphenyl-d14	127		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-85908/1-A

Matrix: Water | Lab File ID: V6030.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 12:37

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.: 86214 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D		
Lims ID:	MB 480-85908/1-A	Client ID:	
Inject. Date:	18-Oct-2012 12:37:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0015847-007		
Misc. Info.:	MB 480-85908/1-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	86214	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m		
Last Update:	19-Oct-2012 10:39:20	Calib Date:	16-Oct-2012 14:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	XAWRK028		
First Level Reviewer: lyh		Date:	19-Oct-2012 10:59:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	0.0	92	204127	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	789555	40.0	
* 3 Acenaphthene-d10	164	9.692	9.692	0.0	91	471280	40.0	
* 4 Phenanthrene-d10	188	11.413	11.413	0.0	97	838946	40.0	
* 5 Chrysene-d12	240	13.897	13.902	-0.005	98	844008	40.0	
* 6 Perylene-d12	264	15.189	15.190	-0.001	98	1007854	40.0	
$ 7 2-Fluorophenol	112	3.971	3.976	-0.005	87	448915	76.0	
$ 8 Phenol-d5	99	5.269	5.274	-0.005	85	360539	51.0	
$ 9 Nitrobenzene-d5	82	6.487	6.487	0.0	84	463636	88.6	
$ 10 2-Fluorobiphenyl	172	8.843	8.843	0.0	99	1206755	87.0	
$ 11 2,4,6-Tribromophenol	330	10.654	10.654	0.0	90	306090	172.0	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	2103973	126.5	
57 2,4-Toluene diamine	1		0.000					
41 5-Methyl-o-Anisidine	1		0.000					
19 4,4'-Methylene bis(2-chloroanili	1		0.000					
50 2,4,5-Trichlorotoluene	1		0.000					
29 2,3-Dichlorophenol	1		0.000					
53 2-Methylanthracene	1		0.000					
45 2-Aminopyridine	1		0.000					
64 Tris(2,3-dibromopropyl)phosphate	1		0.000					
51 Benzo[e]pyrene	1		0.000					
20 Triethyl amine	1		0.000					
43 CN-500	1		0.000					
62 Dibenz[a,j]acridine	279		0.000					
40 CU-600	1		0.000					
35 n,n'-Dimethylacetamide	1		0.000					
61 4-Chlorobenzotrifluoride	1		0.000					
48 CBF-400	1		0.000					
54 Dibenz[a,h]acridine	279		0.000					
21 2,6-Dichlorotoluene	1		0.000					
25 5-Ethyl-5-phenyl barbituric acid	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
66 2,3-Dichlorobenzenamine	161		0.000					
55 5-Methyl-o-Anisidine TIC	1		0.000					
58 1,3,5-Trichlorobenzene	180		0.000					
24 o-Anisidine TIC	1		0.000					
18 4,4'-Methylene bis(2-chloroanili	1		0.000					
63 1,2:7,8-Dibenzpyrene	1		0.000					
27 2,3,7,8-TCDD	1		0.000					
15 Lidocaine	1		0.000					
31 Pendimethalin	1		0.000					
67 1-Bromopropane	1		0.000					
46 1,2,3,4 -Tetrachlorobenzene	216		0.000					
65 Hexamethyldisiloxane TIC	1		0.000					
28 alpha,alpha-Dimethyl phenethylam	1		0.000					
52 Chlorotoluene N.O.S	1		0.000					
56 7H-Dibenzo[c,g]carbazole	1		0.000					
22 Phenylacetic Acid	1		0.000					
23 1,3-phenylenediamine TIC	1		0.000					
36 Benzeneacetonitrile	1		0.000					
13 N-Methylaniline	1		0.000					
47 CAG-800	1		0.000					
26 NVF-400	1		0.000					
38 Tetramethyl lead TIC	1		0.000					
42 2-Chlorobenzotrifluoride	1		0.000					
39 4-Chlorotoluene	91		0.000					
14 2,4-Xylidine TIC	1		0.000					
17 2,4-Dichlorotoluene	1		0.000					
37 4-Chlorophenol	1		0.000					
34 3-Chlorotoluene	1		0.000					
44 1-Methylcyclopentanol	1		0.000					
33 2-Chlorotoluene	91		0.000					
60 CBF-500	1		0.000					
59 o-Anisidine	1		0.000					
49 Chlorobenzotrifluoride N.O.S	1		0.000					
16 Dibenzo[a,h]pyrene	1		0.000					
32 Benzo[j]fluoranthene	1		0.000					
30 3-Chlorobenzotrifluoride	1		0.000					
69 N-Nitrosodimethylamine	42		2.299					9
68 1,4-Dioxane	88		2.326					9
70 Pyridine	52		2.358					
71 Dimethylformamide	73		2.999					
72 2-Picoline	93		3.512					
73 N-Nitrosomethylethylamine	88		3.619					9
74 Methyl methanesulfonate	80		4.014					9
75 4-Chloropyridine	78		4.315					
76 3-Chloropyridine	78		4.416					
77 N-Nitrosodiethylamine	102		4.559					
78 Ethyl methanesulfonate	79		4.954					
79 2-Chloropyridine	78		4.961					
80 Benzaldehyde	77		5.157					
81 Phenol	94		5.296					9
82 Aniline	93		5.306					
83 Bis(2-chloroethyl)ether	93		5.397					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 2-Chlorophenol	128		5.461					
85 Pentachloroethane	167		5.633					
87 1,3-Dichlorobenzene	146		5.664					
88 1,4-Dichlorobenzene	146		5.766					
86 p-Fluoroaniline	111		5.766					9
90 Benzyl alcohol	108		5.942					9
91 1,2-Dichlorobenzene	146		5.969					
89 n-Decane	57		5.998					9
92 2-Methylphenol	108		6.108					
93 2,2'-oxybis[1-chloropropane]	45		6.129					
94 Acetophenone	105	6.295	6.289	0.006	15	1117	0.1244	
95 N-Nitrosodi-n-propylamine	70		6.300					9
96 4-Methylphenol	108		6.321					
99 Hexachloroethane	117		6.412					
97 N-Nitrosopyrrolidine	100		6.493					
102 Nitrobenzene	77		6.514					9
98 N-Nitrosomorpholine	56		6.541					9
101 4-Methylbenzenamine	106		6.611					
100 2-Toluidine	106		6.611					
104 Pentachlorophenol_T	266		6.729					
103 2,6-Dichloropyridine	112		6.783					
106 Isophorone	82		6.834					9
107 2-Nitrophenol	139		6.936					
105 N-Nitrosopiperidine	114		6.947					
108 2,4-Dimethylphenol	107		7.021					
110 Tetraethyl lead	237		7.053					
111 Bis(2-chloroethoxy)methane	93		7.139					
109 2-Chloroaniline	127		7.145					
114 2,4-Dichlorophenol	162		7.262					
115 Benzoic acid	105		7.267					
113 o,o',o''-Triethylphosphorothioat	198		7.348					
117 1,2,4-Trichlorobenzene	180	7.358	7.358	0.0	41	10001	1.63	
118 Naphthalene	128		7.454					9
130 4,4'-DDE	246		7.455					
116 alpha,alpha-Dimethyl phenethylam	58		7.470					9
119 4-Chloroaniline	127		7.545					
121 Hexachlorobutadiene	225		7.630					
120 Alpha-Terpineol	59		7.732					
122 2,6-Dichlorophenol	162		7.801					
123 Hexachloropropene	213		7.834					
124 Caprolactam	113		7.988					
128 Benzidine_T	184		8.156					
125 Quinoline	129		8.190					
129 4-Chloro-3-methylphenol	107		8.202					
127 N-Nitrosodi-n-butylamine	84		8.234					
126 p-Phenylene diamine	108		8.234					
131 2-Methylnaphthalene	142		8.362					9
132 Safrole, Total	162		8.501					
134 Hexachlorocyclopentadiene	237		8.565					
135 1,2,4,5-Tetrachlorobenzene	216		8.576					
136 4,4'-DDD	235		8.610					
133 Phthalic anhydride	104		8.678					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
137 2,4,6-Trichlorophenol	196		8.736					
138 2,4,5-Trichlorophenol	196		8.790					
139 4,4'-DDT	235		8.872					
140 1,1'-Biphenyl	154		8.966					9
141 2-Chloronaphthalene	162		8.987					
143 2-Nitroaniline	65		9.131					
142 Isosafrole	162		9.169					
144 Dicyclohexylamine	138		9.345					
146 Dimethyl phthalate	163		9.383					
145 1,4-Naphthoquinone	158		9.447					
149 2,6-Dinitrotoluene	165		9.457					
150 Acenaphthylene	152		9.511					
148 1,3-Dinitrobenzene	168		9.521					
147 1,4-Dinitrobenzene	168		9.521					
151 3-Nitroaniline	138		9.666					
152 Acenaphthene	153		9.735					
153 2,4-Dinitrophenol	184		9.810					
154 4-Nitrophenol	109		9.922					
155 Dibenzofuran	168		9.960					9
156 2,4-Dinitrotoluene	165		9.970					
158 2,3,4,6-Tetrachlorophenol	232		10.120					
157 Pentachlorobenzene	250		10.158					
161 Diethyl phthalate	149		10.269					9
159 1-Naphthylamine	143		10.280					
162 Fluorene	166		10.371					9
160 2-Naphthylamine	143		10.377					
163 4-Chlorophenyl phenyl ether	204		10.382					
164 4-Nitroaniline	138		10.424					
165 4,6-Dinitro-2-methylphenol	198		10.462					9
168 N-Nitrosodiphenylamine	169		10.526					9
170 1,2-Diphenylhydrazine	77		10.563					9
166 Thionazin	97		10.574					
167 N-Nitro-o-toluidine	152		10.617					9
169 Diphenylamine	169		10.670					9
171 Azobenzene	77		10.718					9
172 Tributyl phosphate	99		10.740					
175 4-Bromophenyl phenyl ether	248		10.937					
173 Sulfotepp	322		10.943					
179 Hexachlorobenzene	284		11.001					
174 1,3,5-Trinitrobenzene	213		11.034					
176 Diallate	43		11.076					
177 Phorate	75		11.082					
178 Phenacetin	108		11.103					
180 Atrazine	200		11.140					
183 Pentachlorophenol	266		11.226					
181 Dimethoate	87		11.263					
182 n-Octadecane	57		11.265					
184 Simazine	201		11.355					
185 4-Aminobiphenyl	169		11.434					9
188 Phenanthrene	178	11.439	11.439	0.0	1	4023	0.1856	
186 Pentachloronitrobenzene	237		11.461					
189 Anthracene	178		11.493					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
187 Pronamide	173		11.515					
190 Disulfoton	88		11.637					
191 Dinoseb	211		11.643					
192 Carbazole	167		11.669					9
193 Methyl parathion	109		12.017					
195 Di-n-butyl phthalate	149		12.022					9
194 Alachlor	160		12.027					
196 Ethyl Parathion	97		12.396					
197 4-Nitroquinoline-1-oxide	190		12.423					
198 Anthraquinone	180		12.471					
199 Methapyrilene	58		12.535					
201 Fluoranthene	202		12.615					9
200 Isodrin	193		12.690					
202 Benzidine	184		12.743					
204 Pyrene	202		12.823					9
203 1-Hydroxyanthraquinone	224		12.872					9
205 Aramite, Total	185		13.213					
206 p-Dimethylamino azobenzene	120		13.293					
207 1,4-Dihydroxyanthraquinone	240		13.299					9
208 Chlorobenzilate	139		13.336					
209 3,3'-Dimethylbenzidine	212		13.389					
210 Butyl benzyl phthalate	149	13.394	13.395	-0.001	1	2555	0.2699	
211 Famphur	218		13.555					
212 9-Octadecenamide	72		13.614					
213 Kepone	272		13.651					
214 2-Acetylaminofluorene	181		13.822					9
215 3,3'-Dichlorobenzidine	252		13.865					
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	66	5400	0.4169	
217 Benzo[a]anthracene	228		13.891					9
218 Chrysene	228	13.923	13.923	0.0	17	10616	0.4807	
219 Tricresyl phosphate	91		14.442					9
220 Di-n-octyl phthalate	149		14.415					9
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	36	8963	0.3685	
222 Benzo[k]fluoranthene	252	14.853	14.853	0.0	20	13210	0.4944	
223 7,12-Dimethylbenz(a)anthracene	256		15.062					9
225 Benzo[a]pyrene	252	15.136	15.136	0.0	17	8301	0.3778	
224 Hexachlorophene	196		15.227					
226 3-Methylcholanthrene	252		15.756					
227 Indeno[1,2,3-cd]pyrene	276	16.359	16.344	0.016	61	13937	0.6059	
228 Dibenz(a,h)anthracene	278	16.359	16.344	0.016	1	12010	3.03	
229 Benzo[g,h,i]perylene	276	16.691	16.675	0.016	50	12600	0.6804	
230 Benzeneacetic acid (TIC)	302		18.050					
231 Dibenzo[a,e]pyrene	302		19.327					
S 232 Total Cresols	1		0.000					
S 234 3 & 4 Methylphenol	108		6.497					
S 233 3-Methylphenol	1		6.497					
T 237 Pendimethalin (TIC)	252		0.000					1
T 236 Prometryn (TIC)	1		0.000					1
T 235 Benefin (TIC)	1		0.000					1
T 238 1-Methylnaphthalene (TIC)	142	8.362	8.496	-0.134	1	426	0.0362	
T 239 trans Azobenzene (TIC)	1		10.691					1

QC Flag Legend

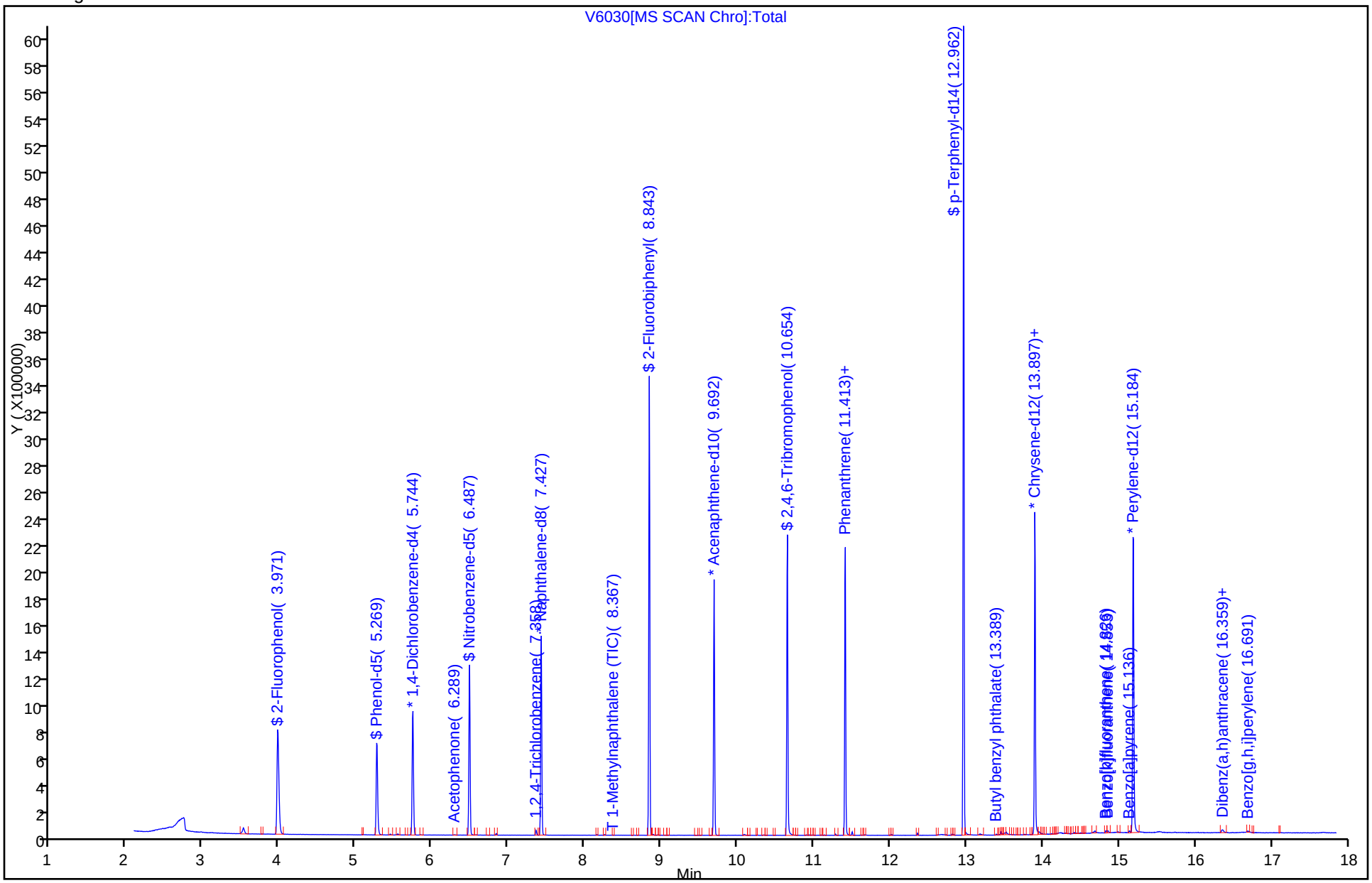
Processing Flags
1 - Missing Peaks
9 - Failed A Reference Spectral Test

Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D

Injection Date:	18-Oct-2012 12:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

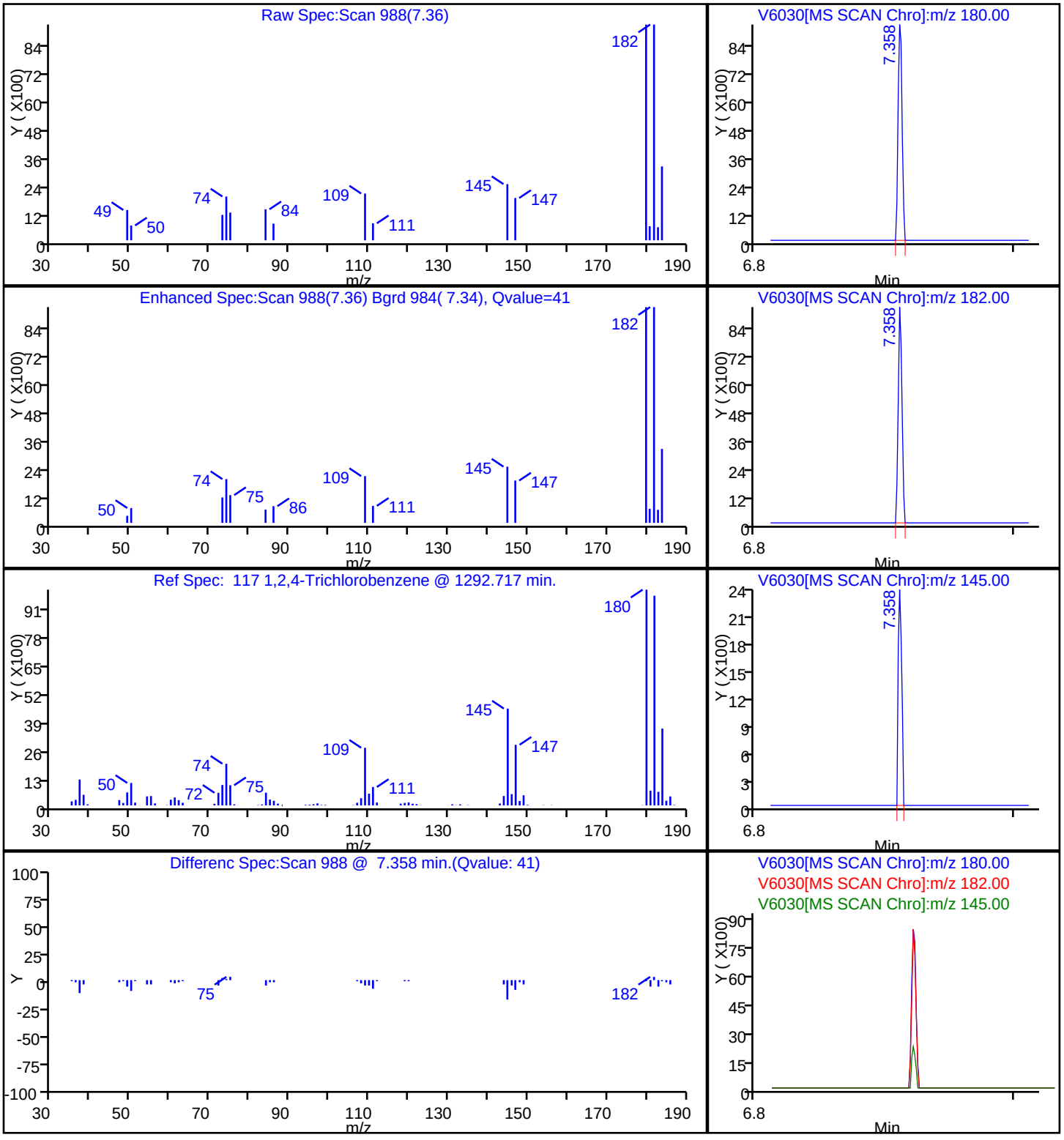


Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

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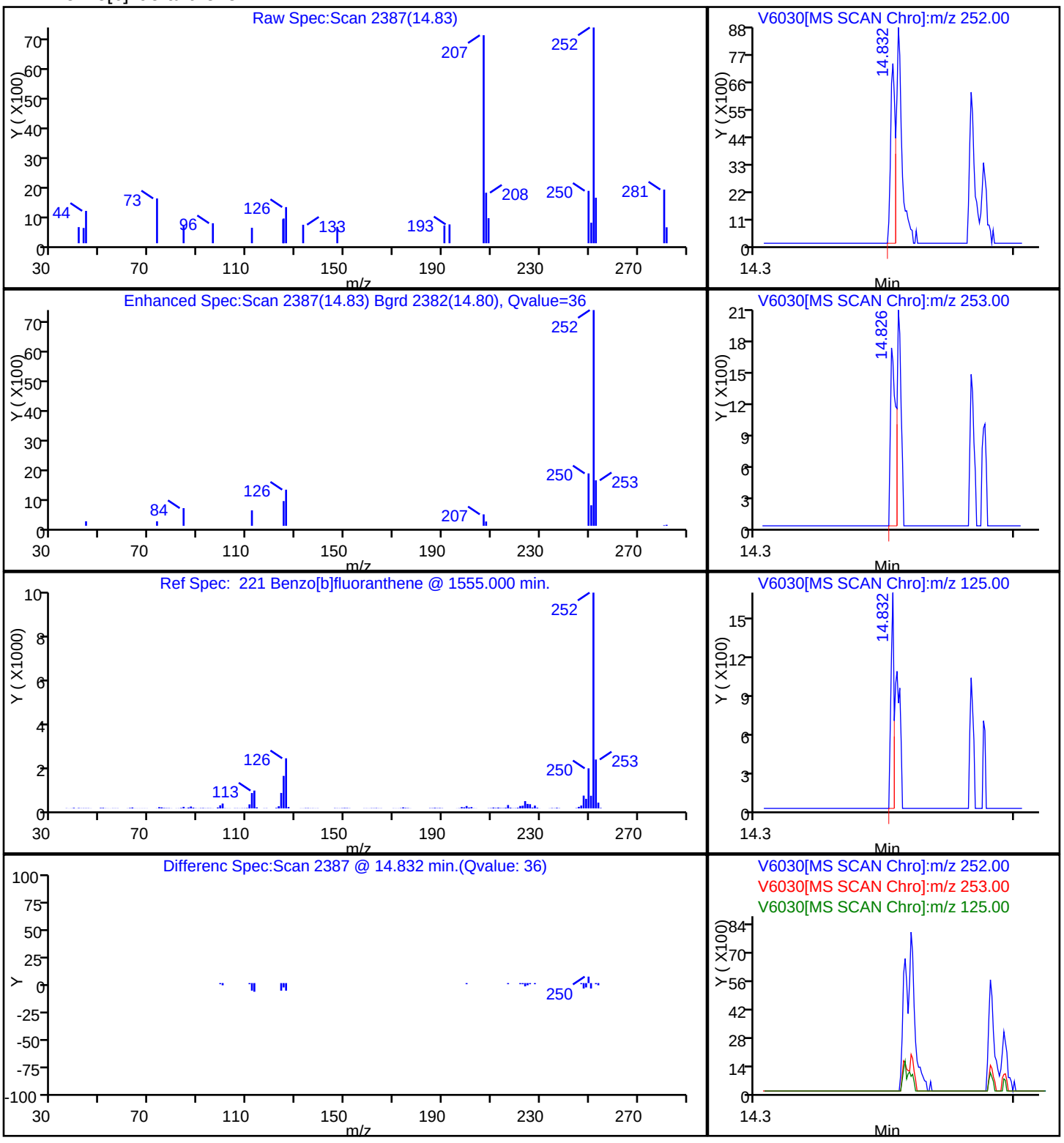
Injection Date:	18-Oct-2012 12:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

117 1,2,4-Trichlorobenzene



Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D
Injection Date: 18-Oct-2012 12:37:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 86214 Lims Sample ID: 7
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

221 Benzo[b]fluoranthene

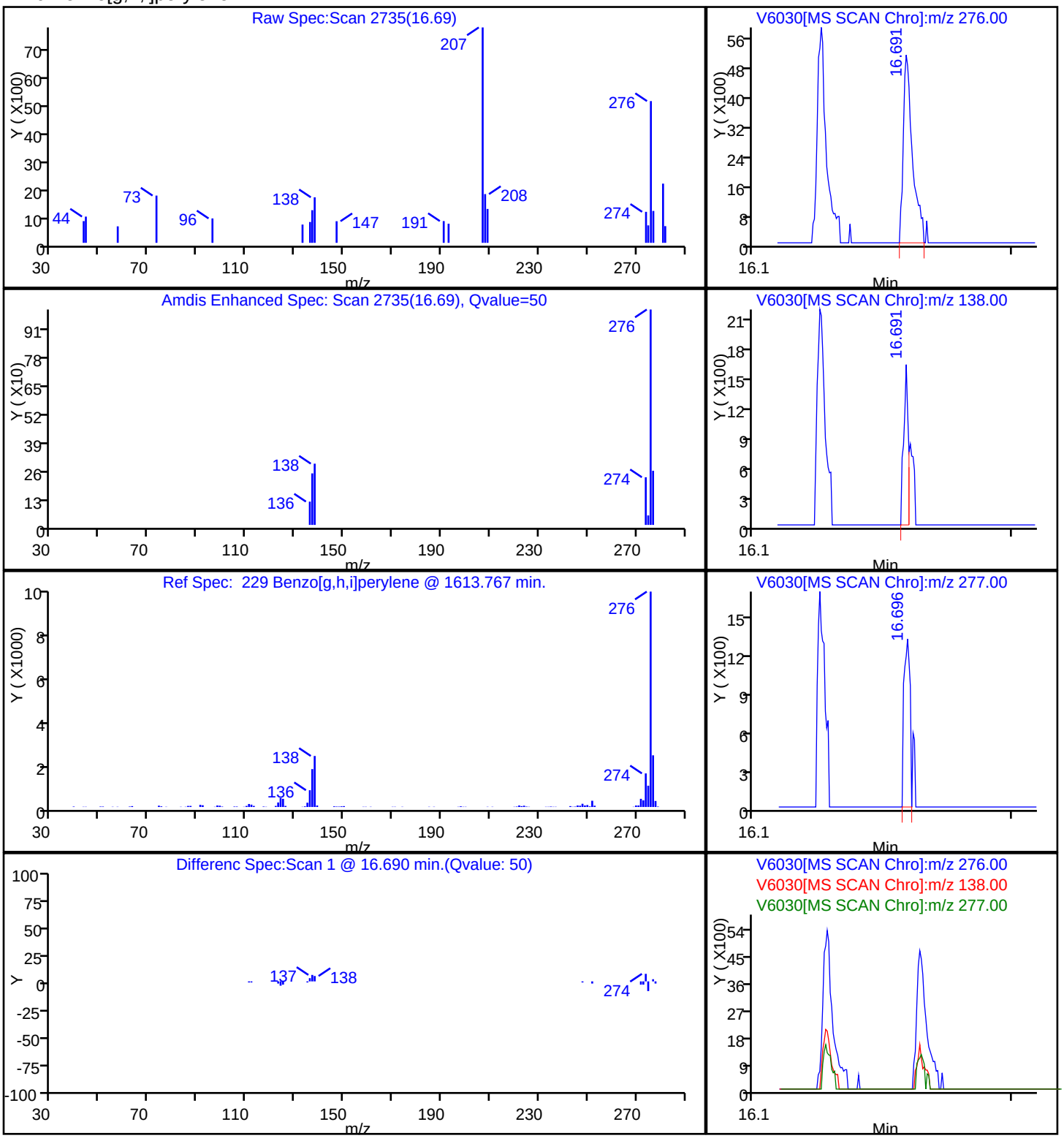


Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D

Injection Date:	18-Oct-2012 12:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

229 Benzo[g,h,i]perylene

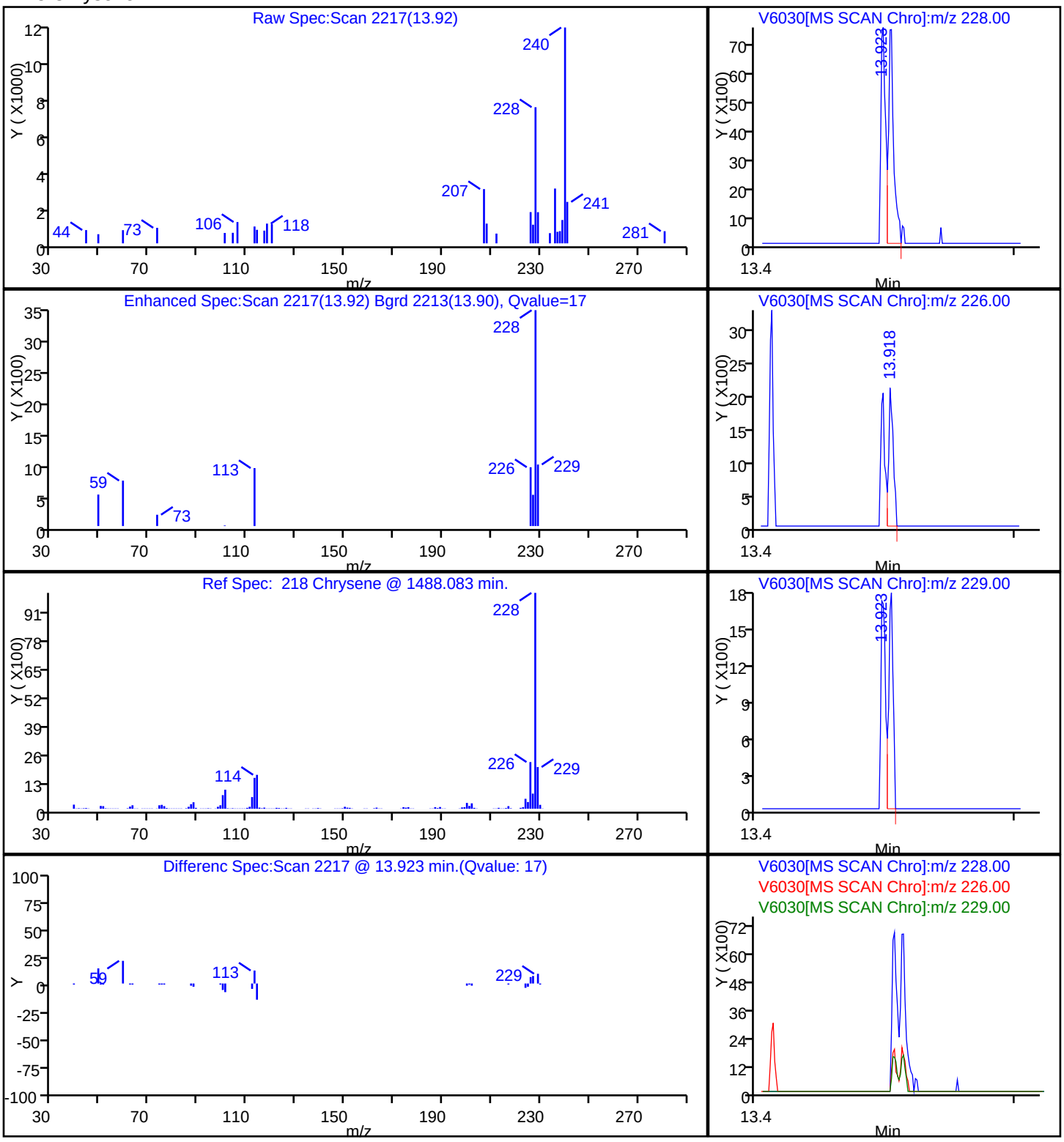


Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D

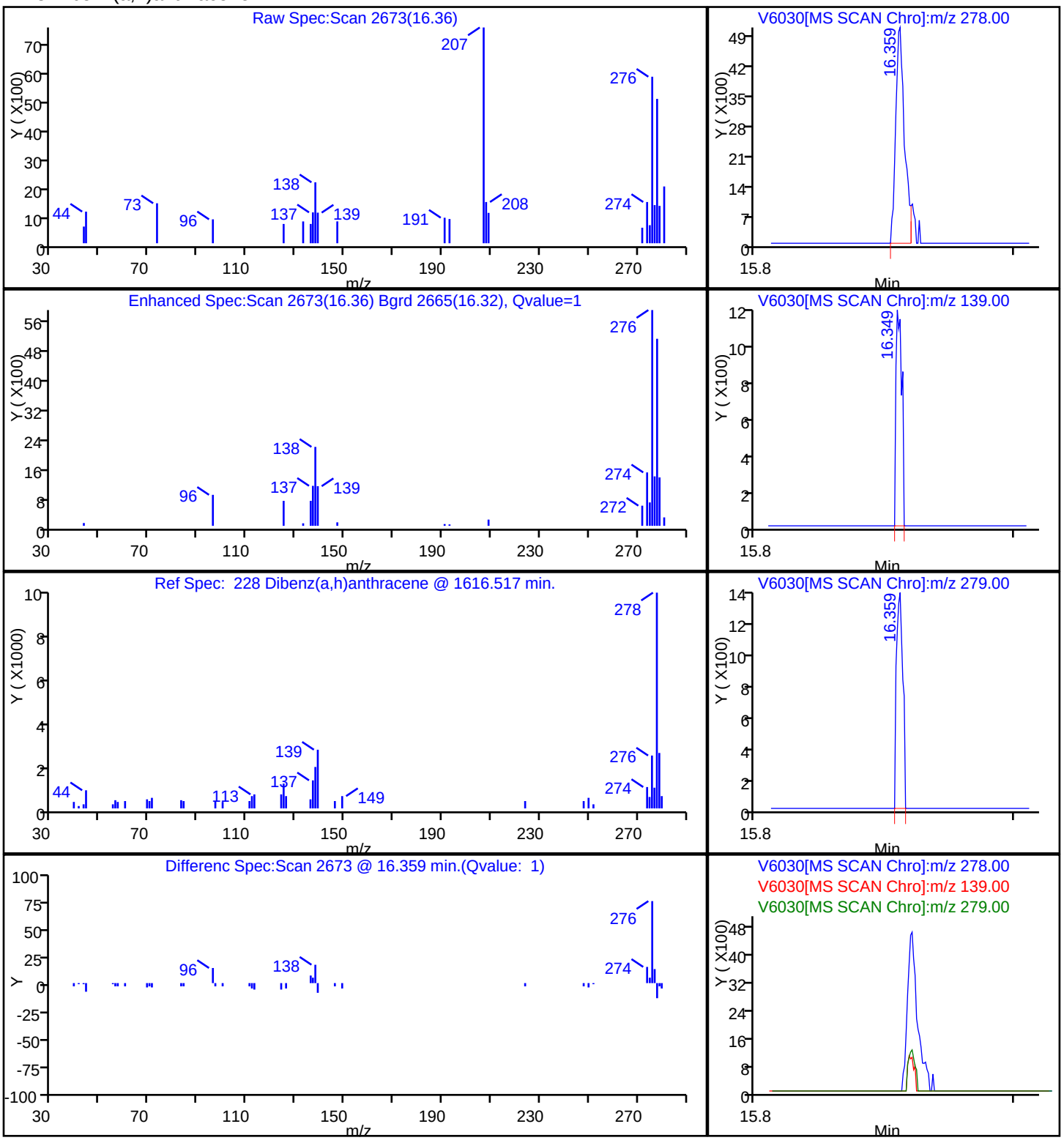
Injection Date:	18-Oct-2012 12:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

218 Chrysene



Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D
Injection Date: 18-Oct-2012 12:37:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973V
Lims Batch ID: 86214 Lims Sample ID: 7
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

228 Dibenz(a,h)anthracene

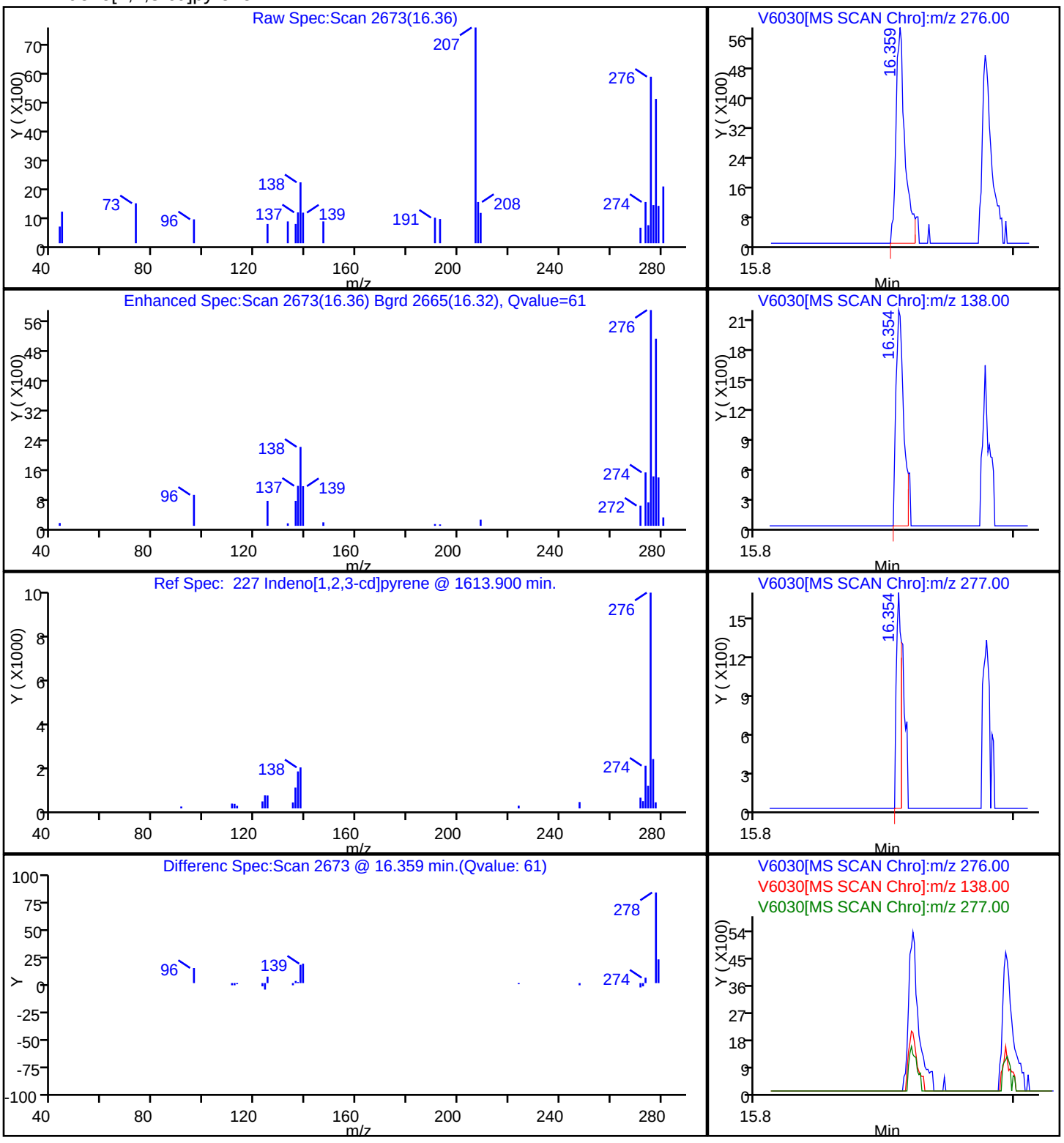


Report Date: 19-Oct-2012 10:59:20 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6030.D

Injection Date:	18-Oct-2012 12:37:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

227 Indeno[1,2,3-cd]pyrene



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-85908/2-A

Matrix: Water | Lab File ID: V6031.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 13:01

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	88.7		10	0.44
95-50-1	1,2-Dichlorobenzene	74.2		10	0.40
541-73-1	1,3-Dichlorobenzene	70.2		10	0.48
106-46-7	1,4-Dichlorobenzene	71.6		10	0.46
108-60-1	2,2'-Oxybis(1-chloropropane)	89.7		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	107		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	105		5.0	0.61
120-83-2	2,4-Dichlorophenol	102		5.0	0.51
105-67-9	2,4-Dimethylphenol	99.3		5.0	0.50
51-28-5	2,4-Dinitrophenol	111		10	2.2
121-14-2	2,4-Dinitrotoluene	122		5.0	0.45
606-20-2	2,6-Dinitrotoluene	118		5.0	0.40
91-58-7	2-Chloronaphthalene	98.0		5.0	0.46
95-57-8	2-Chlorophenol	88.1		5.0	0.53
91-57-6	2-Methylnaphthalene	97.7		5.0	0.60
95-48-7	2-Methylphenol	84.3		5.0	0.40
88-74-4	2-Nitroaniline	111		10	0.42
88-75-5	2-Nitrophenol	109		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	104		5.0	0.40
99-09-2	3-Nitroaniline	111		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	116		10	2.2
101-55-3	4-Bromophenyl phenyl ether	114		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	107		5.0	0.45
106-47-8	4-Chloroaniline	104		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	106		5.0	0.35
106-44-5	4-Methylphenol	163		10	0.36
100-01-6	4-Nitroaniline	113		10	0.25
100-02-7	4-Nitrophenol	47.3		10	1.5
83-32-9	Acenaphthene	103		5.0	0.41
208-96-8	Acenaphthylene	106		5.0	0.38
120-12-7	Anthracene	111		5.0	0.28
56-55-3	Benzo(a)anthracene	112		5.0	0.36
50-32-8	Benzo(a)pyrene	117		5.0	0.47
205-99-2	Benzo(b)fluoranthene	107		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-85908/2-A

Matrix: Water | Lab File ID: V6031.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 13:01

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.: 86214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	134		5.0	0.35
207-08-9	Benzo(k)fluoranthene	115		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	98.4		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	89.9		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	111		5.0	1.8
85-68-7	Butyl benzyl phthalate	113		5.0	0.42
86-74-8	Carbazole	114		5.0	0.30
218-01-9	Chrysene	111		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	119		5.0	0.42
132-64-9	Dibenzofuran	104		10	0.51
84-66-2	Diethyl phthalate	108		5.0	0.22
131-11-3	Dimethyl phthalate	110		5.0	0.36
84-74-2	Di-n-butyl phthalate	113		5.0	0.31
117-84-0	Di-n-octyl phthalate	119		5.0	0.47
206-44-0	Fluoranthene	115		5.0	0.40
86-73-7	Fluorene	108		5.0	0.36
118-74-1	Hexachlorobenzene	115		5.0	0.51
87-68-3	Hexachlorobutadiene	79.6		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	70.6		5.0	0.59
67-72-1	Hexachloroethane	69.5		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	133		5.0	0.47
78-59-1	Isophorone	107		5.0	0.43
91-20-3	Naphthalene	89.9		5.0	0.76
98-95-3	Nitrobenzene	95.8		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	102		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	122		5.0	0.51
87-86-5	Pentachlorophenol	108		10	2.2
85-01-8	Phenanthrene	110		5.0	0.44
108-95-2	Phenol	45.1		5.0	0.39
129-00-0	Pyrene	107		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-26562-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-85908/2-A

Matrix: Water | Lab File ID: V6031.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 10/17/2012 06:59

Sample wt/vol: 1000(mL) | Date Analyzed: 10/18/2012 13:01

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.: 86214 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	124		52-132
321-60-8	2-Fluorobiphenyl	100		48-120
367-12-4	2-Fluorophenol	57		20-120
4165-60-0	Nitrobenzene-d5	100		46-120
4165-62-2	Phenol-d5	39		16-120
1718-51-0	p-Terphenyl-d14	120		67-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6031.D
Lims ID: LCS 480-85908/2-A Client ID:
Inject. Date: 18-Oct-2012 13:01:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0015847-008
Misc. Info.: LCS 480-85908/2-A
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 86214 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V-8270.m
Last Update: 18-Oct-2012 14:13:10 Calib Date: 16-Oct-2012 14:05:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20121016-15770.b\V5918.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: XAWRK034

First Level Reviewer: lyh Date: 18-Oct-2012 14:13:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.744	5.745	0.0	92	194868	40.0	
* 2 Naphthalene-d8	136	7.427	7.427	0.0	98	780576	40.0	
* 3 Acenaphthene-d10	164	9.698	9.692	0.006	88	472901	40.0	
* 4 Phenanthrene-d10	188	11.418	11.413	0.005	97	794049	40.0	
* 5 Chrysene-d12	240	13.907	13.897	0.010	90	908364	40.0	
* 6 Perylene-d12	264	15.190	15.190	0.0	98	1123566	40.0	
$ 7 2-Fluorophenol	112	3.982	3.976	0.006	87	480685	85.2	
$ 8 Phenol-d5	99	5.280	5.274	0.006	94	394914	58.5	
$ 9 Nitrobenzene-d5	82	6.492	6.487	0.005	84	519704	100.5	
$ 10 2-Fluorobiphenyl	172	8.848	8.843	0.005	99	1396178	100.3	
$ 11 2,4,6-Tribromophenol	330	10.659	10.654	0.005	90	314003	186.5	
$ 12 p-Terphenyl-d14	244	12.962	12.962	0.0	97	2139430	119.5	
69 N-Nitrosodimethylamine	42	2.299	2.299	0.0	85	159297	62.7	
70 Pyridine	52	2.352	2.358	-0.006	97	261771	64.2	
81 Phenol	94	5.296	5.296	0.0	86	348922	45.1	
82 Aniline	93	5.306	5.306	0.0	94	790445	85.9	
83 Bis(2-chloroethyl)ether	93	5.403	5.397	0.006	98	534907	89.9	
84 2-Chlorophenol	128	5.467	5.461	0.006	93	585827	88.1	
87 1,3-Dichlorobenzene	146	5.664	5.664	0.0	97	515154	70.2	
88 1,4-Dichlorobenzene	146	5.766	5.766	0.0	96	538326	71.6	
90 Benzyl alcohol	108	5.947	5.942	0.005	95	357320	95.3	
91 1,2-Dichlorobenzene	146	5.969	5.969	0.0	93	528401	74.2	
92 2-Methylphenol	108	6.108	6.108	0.0	93	469413	84.3	
93 2,2'-oxybis[1-chloropropane]	45	6.134	6.129	0.005	93	646511	89.7	
95 N-Nitrosodi-n-propylamine	70	6.305	6.300	0.005	85	391021	102.1	
96 4-Methylphenol	108	6.332	6.321	0.011	95	944594	163.2	E
99 Hexachloroethane	117	6.412	6.412	0.0	88	169845	69.5	
102 Nitrobenzene	77	6.519	6.514	0.005	83	534104	95.8	
106 Isophorone	82	6.840	6.834	0.006	96	1077159	106.6	
107 2-Nitrophenol	139	6.941	6.936	0.005	84	367701	109.4	
108 2,4-Dimethylphenol	107	7.021	7.021	0.0	91	546369	99.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 Bis(2-chloroethoxy)methane	93	7.139	7.139	0.0	97	657357	98.4	
114 2,4-Dichlorophenol	162	7.262	7.262	0.0	89	539067	102.2	
115 Benzoic acid	105	7.182	7.267	-0.085	69	79259	52.9	
117 1,2,4-Trichlorobenzene	180	7.363	7.358	0.005	92	538709	88.7	
118 Naphthalene	128	7.459	7.454	0.005	96	1653228	89.9	
119 4-Chloroaniline	127	7.545	7.545	0.0	86	795898	103.9	
121 Hexachlorobutadiene	225	7.630	7.630	0.0	91	262653	79.6	
129 4-Chloro-3-methylphenol	107	8.202	8.202	0.0	86	502293	107.1	
131 2-Methylnaphthalene	142	8.362	8.362	0.0	91	1206735	97.7	
134 Hexachlorocyclopentadiene	237	8.570	8.565	0.005	83	220534	70.6	
137 2,4,6-Trichlorophenol	196	8.736	8.736	0.0	88	418672	105.3	
138 2,4,5-Trichlorophenol	196	8.790	8.790	0.0	94	462307	106.6	
141 2-Chloronaphthalene	162	8.987	8.987	0.0	95	1211395	98.0	
143 2-Nitroaniline	65	9.137	9.131	0.006	93	307738	110.6	
146 Dimethyl phthalate	163	9.393	9.383	0.010	99	1519447	109.9	
149 2,6-Dinitrotoluene	165	9.463	9.457	0.006	77	387829	118.5	
150 Acenaphthylene	152	9.516	9.511	0.005	92	2023709	105.5	
147 1,4-Dinitrobenzene	168	9.527	9.521	0.006	70	201002	0	
148 1,3-Dinitrobenzene	168	9.527	9.521	0.006	66	201002	0	
151 3-Nitroaniline	138	9.676	9.666	0.010	91	403547	111.1	
152 Acenaphthene	153	9.740	9.735	0.005	93	1270999	103.4	
153 2,4-Dinitrophenol	184	9.815	9.810	0.005	79	197398	111.4	
154 4-Nitrophenol	109	9.927	9.922	0.005	84	58588	47.3	
155 Dibenzofuran	168	9.959	9.960	-0.001	86	1787747	104.3	
156 2,4-Dinitrotoluene	165	9.975	9.970	0.005	31	504968	121.8	
158 2,3,4,6-Tetrachlorophenol	232	10.125	10.120	0.005	67	389716	134.2	
161 Diethyl phthalate	149	10.275	10.269	0.006	99	1417941	108.1	
162 Fluorene	166	10.376	10.371	0.005	83	1484930	108.3	
163 4-Chlorophenyl phenyl ether	204	10.387	10.382	0.005	87	769903	105.9	
164 4-Nitroaniline	138	10.435	10.424	0.011	97	422090	113.1	
165 4,6-Dinitro-2-methylphenol	198	10.467	10.462	0.005	96	334531	116.5	
168 N-Nitrosodiphenylamine	169	10.531	10.526	0.005	59	1203105	121.5	
170 1,2-Diphenylhydrazine	77	10.568	10.563	0.005	94	1234844	103.9	
175 4-Bromophenyl phenyl ether	248	10.942	10.937	0.005	55	486731	114.3	
179 Hexachlorobenzene	284	11.001	11.001	0.0	91	488474	114.5	
183 Pentachlorophenol	266	11.226	11.226	0.0	88	269526	108.1	
188 Phenanthrene	178	11.439	11.439	0.0	97	2248209	109.6	
189 Anthracene	178	11.498	11.493	0.005	97	2326920	111.2	
192 Carbazole	167	11.669	11.669	0.0	82	2157142	114.1	
195 Di-n-butyl phthalate	149	12.022	12.022	0.0	100	2415457	112.7	
201 Fluoranthene	202	12.615	12.615	0.0	98	2539815	115.2	
204 Pyrene	202	12.828	12.823	0.005	96	2631052	107.0	
210 Butyl benzyl phthalate	149	13.395	13.395	0.0	94	1155563	113.4	
215 3,3'-Dichlorobenzidine	252	13.865	13.865	0.0	67	891460	103.8	
216 Bis(2-ethylhexyl) phthalate	149	13.881	13.881	0.0	93	1553375	111.4	
217 Benzo[a]anthracene	228	13.897	13.891	0.006	94	2701266	112.2	
218 Chrysene	228	13.929	13.923	0.006	92	2649737	111.5	
220 Di-n-octyl phthalate	149	14.420	14.415	0.005	98	2739733	118.6	
221 Benzo[b]fluoranthene	252	14.832	14.826	0.006	94	2898295	106.9	
222 Benzo[k]fluoranthene	252	14.858	14.853	0.005	98	3430792	115.2	
225 Benzo[a]pyrene	252	15.141	15.136	0.005	76	2863101	116.9	
227 Indeno[1,2,3-cd]pyrene	276	16.354	16.344	0.011	94	3418959	133.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 Dibenz(a,h)anthracene	278	16.359	16.344	0.016	57	2784488	118.7	
229 Benzo[g,h,i]perylene	276	16.685	16.675	0.010	95	2771167	134.2	
S 233 3-Methylphenol	1				0		163.2	

QC Flag Legend

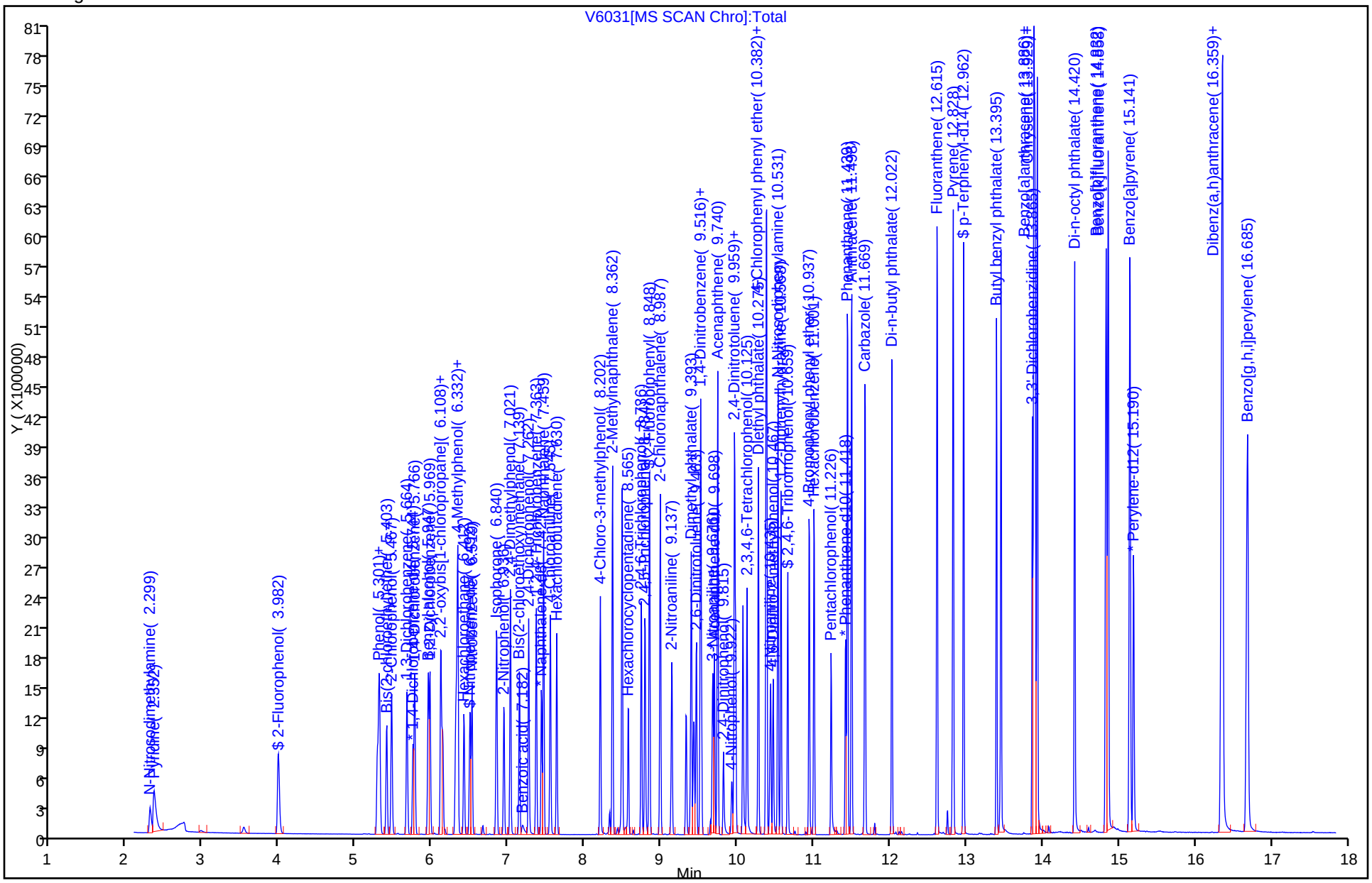
Processing Flags
E - Exceeded Maximum Amount

Report Date: 18-Oct-2012 14:13:28 Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP5973V\20121018-15847.b\V6031.D

Injection Date:	18-Oct-2012 13:01:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	86214	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973V Start Date: 08/28/2012 16:00

Analysis Batch Number: 78493 End Date: 08/29/2012 00:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-78493/1		08/28/2012 16:00	1	V4446.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/2		08/28/2012 16:17	1		RXI-5Sil MS 0.25(mm)
IC 480-78493/3		08/28/2012 16:45	1		RXI-5Sil MS 0.25(mm)
ICIS 480-78493/4		08/28/2012 17:09	1		RXI-5Sil MS 0.25(mm)
IC 480-78493/5		08/28/2012 17:34	1		RXI-5Sil MS 0.25(mm)
IC 480-78493/6		08/28/2012 17:58	1		RXI-5Sil MS 0.25(mm)
IC 480-78493/7		08/28/2012 18:23	1		RXI-5Sil MS 0.25(mm)
IC 480-78493/8		08/28/2012 18:47	1	V4453.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/9		08/28/2012 19:11	1	V4454.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/10		08/28/2012 19:35	1	V4455.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/11		08/28/2012 19:59	1	V4456.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/12		08/28/2012 20:23	1	V4457.D	RXI-5Sil MS 0.25(mm)
IC 480-78493/13		08/28/2012 20:47	1	V4458.D	RXI-5Sil MS 0.25(mm)
ICV 480-78493/20		08/28/2012 23:37	1		RXI-5Sil MS 0.25(mm)
ICVL 480-78493/21		08/29/2012 00:01	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973V Start Date: 10/16/2012 11:41

Analysis Batch Number: 85675 End Date: 10/16/2012 23:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-85675/1		10/16/2012 11:41	1	V5912.D	RXI-5Sil MS 0.25(mm)
IC 480-85675/2		10/16/2012 12:03	1	V5913.D	RXI-5Sil MS 0.25(mm)
IC 480-85675/3		10/16/2012 12:28	1	V5914.D	RXI-5Sil MS 0.25(mm)
ICIS 480-85675/4		10/16/2012 12:52	1	V5915.D	RXI-5Sil MS 0.25(mm)
IC 480-85675/5		10/16/2012 13:17	1	V5916.D	RXI-5Sil MS 0.25(mm)
IC 480-85675/6		10/16/2012 13:41	1	V5917.D	RXI-5Sil MS 0.25(mm)
IC 480-85675/7		10/16/2012 14:05	1	V5918.D	RXI-5Sil MS 0.25(mm)
ICV 480-85675/8		10/16/2012 14:29	1		RXI-5Sil MS 0.25(mm)
ICVL 480-85675/9		10/16/2012 14:53	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-85675/10		10/16/2012 15:17	1		RXI-5Sil MS 0.25(mm)
CCV 480-85675/11		10/16/2012 16:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 16:25	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 16:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 17:14	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 17:38	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 18:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 18:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 18:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 19:15	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 19:39	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 20:03	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 20:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 20:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 21:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 21:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 22:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 22:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 22:53	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/16/2012 23:17	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Instrument ID: HP5973V Start Date: 10/18/2012 10:17

Analysis Batch Number: 86214 End Date: 10/18/2012 22:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-86214/1		10/18/2012 10:17	1	V6024.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-86214/2		10/18/2012 10:35	1	V6025.D	RXI-5Sil MS 0.25(mm)
CCV 480-86214/3		10/18/2012 10:59	1	V6026.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 11:24	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 11:49	1		RXI-5Sil MS 0.25(mm)
MB 480-85908/1-A		10/18/2012 12:37	1	V6030.D	RXI-5Sil MS 0.25(mm)
LCS 480-85908/2-A		10/18/2012 13:01	1	V6031.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 13:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 13:50	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 14:14	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 14:48	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 15:12	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 15:36	1		RXI-5Sil MS 0.25(mm)
480-26562-15	GW-007830-101112-001	10/18/2012 16:00	1	V6038.D	RXI-5Sil MS 0.25(mm)
480-26562-16	GW-007830-101112-002	10/18/2012 16:24	1	V6039.D	RXI-5Sil MS 0.25(mm)
480-26562-17	GW-007830-101112-003	10/18/2012 16:48	1	V6040.D	RXI-5Sil MS 0.25(mm)
480-26562-18	GW-007830-101112-004	10/18/2012 17:13	1	V6041.D	RXI-5Sil MS 0.25(mm)
480-26562-19	GW-007830-101112-005	10/18/2012 17:37	1	V6042.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 18:01	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 18:25	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 18:50	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 19:14	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 19:38	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 20:02	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 20:26	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 20:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 21:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 21:39	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		10/18/2012 22:03	5		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Batch Number: 85908 Batch Start Date: 10/17/12 06:59 Batch Analyst: Radigan, Timothy

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00004
MB 480-85908/1		3510C, 8270C		6	1000 mL	1 mL	<2	>11	1 mL
LCS 480-85908/2		3510C, 8270C		6	1000 mL	1 mL	<2	>11	1 mL
480-26562-A-15	GW-007830-101112 -001	3510C, 8270C	T	6	410 mL	1 mL	<2	>11	1 mL
480-26562-A-16	GW-007830-101112 -002	3510C, 8270C	T	11	420 mL	1 mL	<2	>11	1 mL
480-26562-A-17	GW-007830-101112 -003	3510C, 8270C	T	6	415 mL	1 mL	<2	>11	1 mL
480-26562-A-18	GW-007830-101112 -004	3510C, 8270C	T	6	410 mL	1 mL	<2	>11	1 mL
480-26562-A-19	GW-007830-101112 -005	3510C, 8270C	T	6	425 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00029					
MB 480-85908/1		3510C, 8270C							
LCS 480-85908/2		3510C, 8270C		1 mL					
480-26562-A-15	GW-007830-101112 -001	3510C, 8270C	T						
480-26562-A-16	GW-007830-101112 -002	3510C, 8270C	T						
480-26562-A-17	GW-007830-101112 -003	3510C, 8270C	T						
480-26562-A-18	GW-007830-101112 -004	3510C, 8270C	T						
480-26562-A-19	GW-007830-101112 -005	3510C, 8270C	T						

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-26562-1

SDG No.:

Batch Number: 85908 Batch Start Date: 10/17/12 06:59 Batch Analyst: Radigan, Timothy

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	2032711
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC257086
Person's name who did the concentration	TCR, ND & TG
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862004
Prep Solvent Lot #	0000011505
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	TCR, ND & TG
Person's name who witnessed reagent drop	TCR
Sufficient volume for MS/MSD?	YES

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NPEC	Rob Call	10/11/12	215630
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
1999 Lake Ave.	(585) 477-2012		
City / State / Zip Code	**Site Contact / Lab Contact**	**Analysis (Attach list if more space is needed)**	
Rochester / NY / 14650	B. Pickett / S. Scrocchi		
Project Name and Location (State)	**Carrier/Waybill Number**		
Sterling site 3, NY	8005 3158 7857		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOCs + 3 emylenes		TCL SVOCs + TICs										Special Instructions/ Conditions of Receipt
GW-007830-101112-001	10/11/12	0830		X									2		1										CRA chemist;
GW-007830-101112-002	↓	0930		X									2		1										Susan Scrocchi
GW-007830-101112-003		1015		X									2		1										716-297-2160 p
GW-007830-101112-004		1130		X									2		1										716-297-2265 f
GW-007830-101112-005	↓	1215		X									2		1										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10/11/12	1400	1. Received By	10/12/12	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2 & #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: NPEC - Sterling

Job Number: 480-26562-1

Login Number: 26562

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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.	True	
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	NPEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX C.2

DECEMBER 2012 MONITORING EVENT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-30773-1

Job Description: Sterling Site #2 and #3 East Greenbush,

Sampling Event: S/A GW Monitoring Site#3

For:
NPEC - Sterling
1999 Lake Avenue
Rochester, NY 14650

Attention: Mr. Robert B Call



Approved for release.
Robert Wienke
Project Administrator
1/11/2013 3:20 PM

Designee for
John Schove
Project Manager I
john.schove@testamericainc.com
01/11/2013

cc: Ms. Sue Scrocchi

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. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

TestAmerica Laboratories, Inc.
TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298
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NELAP ACCREDITED TNI LABORATORY

Table of Contents

Cover Title Page 1

Data Summaries 4

- Report Narrative 4
- Manual Integration Summary 5
- Sample Summary 7
- Executive Summary 8
- Method Summary 10
- Method / Analyst Summary 11
- Sample Datasheets 12
- Surrogate Summary 73
- QC Data Summary 76
- Data Qualifiers 92
- QC Association Summary 93
- Lab Chronicle 95
- Certification Summary 101

Organic Sample Data 102

- GC/MS VOA 102
  - Method 8260B 102
    - Method 8260B QC Summary 103
    - Method 8260B Sample Data 128
    - Standards Data 342
      - Method 8260B ICAL Data 342
      - Method 8260B CCAL Data 457
    - Raw QC Data 499
      - Method 8260B Tune Data 499
      - Method 8260B Blank Data 517

Table of Contents

Method 8260B LCS/LCSD Data 542

Method 8260B MS/MSD Data 557

Method 8260B Run Logs 587

GC/MS Semi VOA 593

Method 8270C 593

Method 8270C QC Summary 594

Method 8270C Sample Data 604

Standards Data 677

Method 8270C ICAL Data 677

Method 8270C CCAL Data 729

Raw QC Data 738

Method 8270C Tune Data 738

Method 8270C Blank Data 752

Method 8270C LCS/LCSD Data 765

Method 8270C Run Logs 779

Method 8270C Prep Data 781

Shipping and Receiving Documents 783

Client Chain of Custody 784

Sample Receipt Checklist 787

Comments
No additional comments.

Receipt
The samples were received on 12/22/2012 11:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.0º C.

GC/MS VOA
Method(s) 8260B: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: GW-44538-121912-001 (480-30773-1), GW-44538-121912-004 (480-30773-4), GW-44538-121912-006 (480-30773-6), GW-44538-121912-007 (480-30773-7), GW-44538-121912-010 (480-30773-14), GW-44538-121912-011 (480-30773-9), GW-44538-121912-012 (480-30773-10), GW-44538-121912-013 (480-30773-11), GW-44538-121912-013 (480-30773-11 MS), GW-44538-121912-013 (480-30773-11 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: (480-30773-14 MS), (480-30773-14 MSD), GW-44538-121912-006 (480-30773-6), GW-44538-121912-007 (480-30773-7), GW-44538-121912-008 (480-30773-8), GW-44538-121912-010 (480-30773-14), GW-44538-121912-013 (480-30773-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Due to insufficient volume, the following sample was analyzed from a vial that contained headspace: GW-44538-121912-013 (480-30773-11).

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: (480-30773-5 MS), (480-30773-5 MSD), GW-44538-121912-005 (480-30773-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 97832: Hexachlorobutadiene. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for Cyclohexanone associated with batch 97832 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 97675: Isobutyl alcohol. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for Cyclohexanone associated with batch 97793 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 97793: 3-Chloro-1-propene and Dichlorofluoromethane. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

Method(s) 8260B: The method blank for batch 97793 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The matrix spike (MS) recoveries for batch 97793 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Organic Prep
Method(s) 3510C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: GW-44538-121912-009 (480-30773-13), GW-44538-121912-010 (480-30773-14), GW-44538-122012-015 (480-30773-15), GW-44538-122012-016 (480-30773-16), GW-44538-122012-017 (480-30773-17)

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973G Analysis Batch Number: 95589

Lab Sample ID: IC 480-95589/14 Client Sample ID:

Date Analyzed: 12/13/12 15:41 Lab File ID: G17995.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorodifluoromethane	1.47	Baseline	larsonr	12/13/12 18:05

Lab Sample ID: IC 480-95589/15 Client Sample ID:

Date Analyzed: 12/13/12 16:04 Lab File ID: G17996.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	3.23	Split Peak	larsonr	12/13/12 18:05

Lab Sample ID: IC 480-95589/19 Client Sample ID:

Date Analyzed: 12/13/12 17:35 Lab File ID: G18000.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	3.23	Split Peak	larsonr	12/13/12 18:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973U Analysis Batch Number: 91840

Lab Sample ID: IC 480-91840/3 Client Sample ID:

Date Analyzed: 11/20/12 10:52 Lab File ID: U4101.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.42	Baseline	mcgoverna	11/20/12 12:02

Lab Sample ID: ICIS 480-91840/4 Client Sample ID:

Date Analyzed: 11/20/12 11:15 Lab File ID: U4102.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.44	Assign Peak	mcgoverna	11/20/12 13:23

Lab Sample ID: IC 480-91840/2 Client Sample ID:

Date Analyzed: 11/20/12 15:39 Lab File ID: U4112.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.41	Assign Peak	mcgoverna	11/20/12 16:02
Benzo(k)fluoranthene	15.13	Assign Peak	mcgoverna	11/20/12 16:02

SAMPLE SUMMARY

Client: NPEC - Sterling

Job Number: 480-30773-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-30773-1	GW-44538-121912-001	Ground Water	12/19/2012 0800	12/22/2012 1100
480-30773-2	GW-44538-121912-002	Water	12/19/2012 0825	12/22/2012 1100
480-30773-3	GW-44538-121912-003	Water	12/19/2012 0900	12/22/2012 1100
480-30773-4	GW-44538-121912-004	Water	12/19/2012 0930	12/22/2012 1100
480-30773-5	GW-44538-121912-005	Water	12/19/2012 1000	12/22/2012 1100
480-30773-6	GW-44538-121912-006	Water	12/19/2012 1030	12/22/2012 1100
480-30773-7	GW-44538-121912-007	Water	12/19/2012 1100	12/22/2012 1100
480-30773-8	GW-44538-121912-008	Water	12/19/2012 1200	12/22/2012 1100
480-30773-9	GW-44538-121912-011	Water	12/19/2012 1430	12/22/2012 1100
480-30773-10	GW-44538-121912-012	Water	12/19/2012 1530	12/22/2012 1100
480-30773-11	GW-44538-121912-013	Water	12/19/2012 1600	12/22/2012 1100
480-30773-11MS	GW-44538-121912-013	Water	12/19/2012 1600	12/22/2012 1100
480-30773-11MSD	GW-44538-121912-013	Water	12/19/2012 1600	12/22/2012 1100
480-30773-12	GW-44538-121912-014	Water	12/19/2012 1700	12/22/2012 1100
480-30773-13	GW-44538-121912-009	Water	12/19/2012 1300	12/22/2012 1100
480-30773-14	GW-44538-121912-010	Water	12/19/2012 1400	12/22/2012 1100
480-30773-15	GW-44538-122012-015	Water	12/20/2012 0900	12/22/2012 1100
480-30773-16	GW-44538-122012-016	Water	12/20/2012 1000	12/22/2012 1100
480-30773-17	GW-44538-122012-017	Water	12/20/2012 1100	12/22/2012 1100

EXECUTIVE SUMMARY - Detections

Client: NPEC - Sterling Job Number: 480-30773-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30773-1	**GW-44538-121912-001**					
Ethyl ether		92		50	ug/L	8260B
Methylene Chloride		4.2	J	25	ug/L	8260B
480-30773-2	**GW-44538-121912-002**					
Acetone		3.6	J	10	ug/L	8260B
Carbon disulfide		0.22	J	5.0	ug/L	8260B
Ethyl ether		2.4	J	10	ug/L	8260B
480-30773-4	**GW-44538-121912-004**					
Ethyl ether		470		50	ug/L	8260B
Methylene Chloride		2.5	J	25	ug/L	8260B
480-30773-5	**GW-44538-121912-005**					
Carbon disulfide		0.19	J	5.0	ug/L	8260B
Ethyl ether		2400		400	ug/L	8260B
Toluene		4.8	J	5.0	ug/L	8260B
480-30773-6	**GW-44538-121912-006**					
Ethyl ether		4000		500	ug/L	8260B
480-30773-7	**GW-44538-121912-007**					
Ethyl ether		2600		400	ug/L	8260B
Methylene Chloride		2.3	J	25	ug/L	8260B
480-30773-8	**GW-44538-121912-008**					
Ethyl ether		160		20	ug/L	8260B
480-30773-9	**GW-44538-121912-011**					
Ethyl ether		100		50	ug/L	8260B
480-30773-10	**GW-44538-121912-012**					
Ethyl ether		440		100	ug/L	8260B
Methylene Chloride		4.9	J	50	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: NPEC - Sterling Job Number: 480-30773-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-30773-11	**GW-44538-121912-013**					
Acetone		50		50	ug/L	8260B
Ethyl ether		14	J	50	ug/L	8260B
Methylene Chloride		2.3	J	25	ug/L	8260B
Toluene		1500		100	ug/L	8260B
480-30773-14	**GW-44538-121912-010**					
Acetone		150		100	ug/L	8260B
Ethyl ether		1600		200	ug/L	8260B
Methylene Chloride		5.6	J	50	ug/L	8260B
4-Methylphenol		6.1	J	24	ug/L	8270C
480-30773-16	**GW-44538-122012-016**					
2-Butanone (MEK)		2.9	J	10	ug/L	8260B

METHOD SUMMARY

Client: NPEC - Sterling

Job Number: 480-30773-1

Description	Lab Location	Method	Preparation Method
Matrix: Ground Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL BUF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: NPEC - Sterling

Job Number: 480-30773-1

Method	Analyst	Analyst ID
SW846 8260B	Dias, Nicole	ND
SW846 8260B	Ferguson, Tyler R	TRF
SW846 8260B	Larson, Renee	RL
SW846 8270C	McGovern, Anna	AM

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-001**

Lab Sample ID: 480-30773-1
Client Matrix: Ground Water

Date Sampled: 12/19/2012 0800
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21616.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1518			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	92		3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	4.2	J	2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	ND		2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-001**

Lab Sample ID: 480-30773-1
Client Matrix: Ground Water

Date Sampled: 12/19/2012 0800
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21616.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1518			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1518				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-002**

Lab Sample ID: 480-30773-2
Client Matrix: Water

Date Sampled: 12/19/2012 0825
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21617.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1540			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1540				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	3.6	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	0.22	J	0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	2.4	J	0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-002**

Lab Sample ID: 480-30773-2
Client Matrix: Water

Date Sampled: 12/19/2012 0825
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21617.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1540			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1540				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.63	51	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-003**

Lab Sample ID: 480-30773-3
Client Matrix: Water

Date Sampled: 12/19/2012 0900
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21618.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1602			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1602				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-003**

Lab Sample ID: 480-30773-3
Client Matrix: Water

Date Sampled: 12/19/2012 0900
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21618.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1602			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1602				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.65	47	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-004**

Lab Sample ID: 480-30773-4
Client Matrix: Water

Date Sampled: 12/19/2012 0930
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21619.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1624			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1624				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	470		3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	2.5	J	2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	ND		2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-004**

Lab Sample ID: 480-30773-4 | Date Sampled: 12/19/2012 0930
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21619.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1624			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1624				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-71-8	Dichlorodifluoromethane	1.16	9.1	
75-45-6	Chlorodifluoromethane	1.19	13	
75-43-4	Dichlorofluoromethane	1.92	2.0	J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-005**

Lab Sample ID: 480-30773-5
Client Matrix: Water

Date Sampled: 12/19/2012 1000
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21620.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1645			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1645				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	0.19	J	0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	1300	E	0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	4.8	J	0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	107		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-005**

Lab Sample ID: 480-30773-5 | Date Sampled: 12/19/2012 1000
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21620.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1645			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1645				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
75-45-6	Chlorodifluoromethane	1.20	11	
75-43-4	Dichlorofluoromethane	1.92	1.1	
67-63-0	Isopropyl alcohol	2.63	67	
75-65-0	2-Methyl-2-propanol	2.97	34	
1634-04-4	Methyl tert-butyl ether	2.99	0.62	J
108-20-3	Isopropyl ether	3.38	3.0	
141-78-6	Ethyl acetate	3.90	1.7	
462-95-3	Methane, diethoxy-	4.52	3.4	T J N

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-005**

Lab Sample ID: 480-30773-5 | Date Sampled: 12/19/2012 1000
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18581.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	12/31/2012 0027	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/31/2012 0027				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		33	200
1,1,2,2-Tetrachloroethane	ND		8.4	200
1,1,2-Trichloroethane	ND		9.2	200
1,1-Dichloroethane	ND		15	200
1,1-Dichloroethene	ND		12	200
1,2-Dichloroethane	ND		8.4	200
1,2-Dichloropropane	ND		29	200
2-Butanone (MEK)	ND		53	400
2-Hexanone	ND		50	400
2-Methylthiophene	ND		18	400
3-Methylthiophene	ND		21	400
4-Methyl-2-pentanone (MIBK)	ND		84	400
Acetone	ND		120	400
Benzene	ND		16	40
Bromodichloromethane	ND		16	200
Bromoform	ND		10	200
Bromomethane	ND		28	400
Carbon disulfide	ND		7.6	200
Carbon tetrachloride	ND		11	200
Chlorobenzene	ND		30	200
Chloroethane	ND		13	400
Chloroform	ND		14	200
Chloromethane	ND		14	400
cis-1,2-Dichloroethene	ND		32	200
cis-1,3-Dichloropropene	ND		14	200
Dibromochloromethane	ND		13	200
Ethyl ether	2400		29	400
Ethylbenzene	ND		30	200
m&p-Xylene	ND		26	200
Methylene Chloride	ND		18	200
o-Xylene	ND		30	200
Styrene	ND		29	200
Tetrachloroethene	ND		14	200
Toluene	ND		20	200
trans-1,2-Dichloroethene	ND		36	200
trans-1,3-Dichloropropene	ND		15	200
Trichloroethene	ND		18	200
Vinyl chloride	ND		36	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	111		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-005**

Lab Sample ID: 480-30773-5
Client Matrix: Water

Date Sampled: 12/19/2012 1000
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18581.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	12/31/2012 0027	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/31/2012 0027				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-006**

Lab Sample ID: 480-30773-6
Client Matrix: Water

Date Sampled: 12/19/2012 1030
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21621.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1707			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1707				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	2200	E	3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	ND		2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	ND		2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-006**

Lab Sample ID: 480-30773-6 | Date Sampled: 12/19/2012 1030
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21621.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1707			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1707				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.19	13	
141-78-6	Ethyl acetate	3.90	4.0	J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-006**

Lab Sample ID: 480-30773-6
Client Matrix: Water

Date Sampled: 12/19/2012 1030
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18537.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1305	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1305				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		41	250
1,1,2,2-Tetrachloroethane	ND		11	250
1,1,2-Trichloroethane	ND		12	250
1,1-Dichloroethane	ND		19	250
1,1-Dichloroethene	ND		15	250
1,2-Dichloroethane	ND		11	250
1,2-Dichloropropane	ND		36	250
2-Butanone (MEK)	ND		66	500
2-Hexanone	ND		62	500
2-Methylthiophene	ND		22	500
3-Methylthiophene	ND		27	500
4-Methyl-2-pentanone (MIBK)	ND		110	500
Acetone	ND		150	500
Benzene	ND		21	50
Bromodichloromethane	ND		20	250
Bromoform	ND		13	250
Bromomethane	ND		35	500
Carbon disulfide	ND		9.5	250
Carbon tetrachloride	ND		14	250
Chlorobenzene	ND		38	250
Chloroethane	ND		16	500
Chloroform	ND		17	250
Chloromethane	ND		18	500
cis-1,2-Dichloroethene	ND		41	250
cis-1,3-Dichloropropene	ND		18	250
Dibromochloromethane	ND		16	250
Ethyl ether	4000		36	500
Ethylbenzene	ND		37	250
m&p-Xylene	ND		33	250
Methylene Chloride	39	J B	22	250
o-Xylene	ND		38	250
Styrene	ND		37	250
Tetrachloroethene	ND		18	250
Toluene	ND		26	250
trans-1,2-Dichloroethene	ND		45	250
trans-1,3-Dichloropropene	ND		19	250
Trichloroethene	ND		23	250
Vinyl chloride	ND		45	500

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	117		73 - 120
Toluene-d8 (Surr)	117		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-006**

Lab Sample ID: 480-30773-6
Client Matrix: Water

Date Sampled: 12/19/2012 1030
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18537.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1305	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1305				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-007**

Lab Sample ID: 480-30773-7
Client Matrix: Water

Date Sampled: 12/19/2012 1100
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21622.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1729			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1729				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	1700	E	3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	2.3	J	2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	ND		2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-007**

Lab Sample ID: 480-30773-7 | Date Sampled: 12/19/2012 1100
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21622.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1729			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1729				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	13	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-007**

Lab Sample ID: 480-30773-7
Client Matrix: Water

Date Sampled: 12/19/2012 1100
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18538.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1327	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		33	200
1,1,2,2-Tetrachloroethane	ND		8.4	200
1,1,2-Trichloroethane	ND		9.2	200
1,1-Dichloroethane	ND		15	200
1,1-Dichloroethene	ND		12	200
1,2-Dichloroethane	ND		8.4	200
1,2-Dichloropropane	ND		29	200
2-Butanone (MEK)	ND		53	400
2-Hexanone	ND		50	400
2-Methylthiophene	ND		18	400
3-Methylthiophene	ND		21	400
4-Methyl-2-pentanone (MIBK)	ND		84	400
Acetone	ND		120	400
Benzene	ND		16	40
Bromodichloromethane	ND		16	200
Bromoform	ND		10	200
Bromomethane	ND		28	400
Carbon disulfide	ND		7.6	200
Carbon tetrachloride	ND		11	200
Chlorobenzene	ND		30	200
Chloroethane	ND		13	400
Chloroform	ND		14	200
Chloromethane	ND		14	400
cis-1,2-Dichloroethene	ND		32	200
cis-1,3-Dichloropropene	ND		14	200
Dibromochloromethane	ND		13	200
Ethyl ether	2600		29	400
Ethylbenzene	ND		30	200
m&p-Xylene	ND		26	200
Methylene Chloride	29	J B	18	200
o-Xylene	ND		30	200
Styrene	ND		29	200
Tetrachloroethene	ND		14	200
Toluene	ND		20	200
trans-1,2-Dichloroethene	ND		36	200
trans-1,3-Dichloropropene	ND		15	200
Trichloroethene	ND		18	200
Vinyl chloride	ND		36	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	113		73 - 120
Toluene-d8 (Surr)	111		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-007**

Lab Sample ID: 480-30773-7 | Date Sampled: 12/19/2012 1100
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18538.D
Dilution:	40			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1327	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1327				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-008**

Lab Sample ID: 480-30773-8
Client Matrix: Water

Date Sampled: 12/19/2012 1200
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21623.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1751			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1751				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	140	E	0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-008**

Lab Sample ID: 480-30773-8 | Date Sampled: 12/19/2012 1200
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21623.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1751			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1751				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	1.8	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-008**

Lab Sample ID: 480-30773-8
Client Matrix: Water

Date Sampled: 12/19/2012 1200
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18539.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1350	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1350				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.6	10
1,1,2,2-Tetrachloroethane	ND		0.42	10
1,1,2-Trichloroethane	ND		0.46	10
1,1-Dichloroethane	ND		0.76	10
1,1-Dichloroethene	ND		0.58	10
1,2-Dichloroethane	ND		0.42	10
1,2-Dichloropropane	ND		1.4	10
2-Butanone (MEK)	ND		2.6	20
2-Hexanone	ND		2.5	20
2-Methylthiophene	ND		0.88	20
3-Methylthiophene	ND		1.1	20
4-Methyl-2-pentanone (MIBK)	ND		4.2	20
Acetone	ND		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	10
Bromoform	ND		0.52	10
Bromomethane	ND		1.4	20
Carbon disulfide	ND		0.38	10
Carbon tetrachloride	ND		0.54	10
Chlorobenzene	ND		1.5	10
Chloroethane	ND		0.64	20
Chloroform	ND		0.68	10
Chloromethane	ND		0.70	20
cis-1,2-Dichloroethene	ND		1.6	10
cis-1,3-Dichloropropene	ND		0.72	10
Dibromochloromethane	ND		0.64	10
Ethyl ether	160		1.4	20
Ethylbenzene	ND		1.5	10
m&p-Xylene	ND		1.3	10
Methylene Chloride	1.1	J B	0.88	10
o-Xylene	ND		1.5	10
Styrene	ND		1.5	10
Tetrachloroethene	ND		0.72	10
Toluene	ND		1.0	10
trans-1,2-Dichloroethene	ND		1.8	10
trans-1,3-Dichloropropene	ND		0.74	10
Trichloroethene	ND		0.92	10
Vinyl chloride	ND		1.8	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	111		73 - 120
Toluene-d8 (Surr)	112		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-008**

Lab Sample ID: 480-30773-8 | Date Sampled: 12/19/2012 1200
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18539.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1350	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1350				

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

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

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-011**

Lab Sample ID: 480-30773-9 | Date Sampled: 12/19/2012 1430
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21624.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1813			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1813				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	100		3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	ND		2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	ND		2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-011**

Lab Sample ID: 480-30773-9 | Date Sampled: 12/19/2012 1430
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21624.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1813			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1813				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.21	16	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-012**

Lab Sample ID: 480-30773-10
Client Matrix: Water

Date Sampled: 12/19/2012 1530
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21625.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1834				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	50
1,1,2,2-Tetrachloroethane	ND		2.1	50
1,1,2-Trichloroethane	ND		2.3	50
1,1-Dichloroethane	ND		3.8	50
1,1-Dichloroethene	ND		2.9	50
1,2-Dichloroethane	ND		2.1	50
1,2-Dichloropropane	ND		7.2	50
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	100
2-Methylthiophene	ND		4.4	100
3-Methylthiophene	ND		5.3	100
4-Methyl-2-pentanone (MIBK)	ND		21	100
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	50
Bromoform	ND		2.6	50
Bromomethane	ND		6.9	100
Carbon disulfide	ND		1.9	50
Carbon tetrachloride	ND		2.7	50
Chlorobenzene	ND		7.5	50
Chloroethane	ND		3.2	100
Chloroform	ND		3.4	50
Chloromethane	ND		3.5	100
cis-1,2-Dichloroethene	ND		8.1	50
cis-1,3-Dichloropropene	ND		3.6	50
Dibromochloromethane	ND		3.2	50
Ethyl ether	440		7.2	100
Ethylbenzene	ND		7.4	50
m&p-Xylene	ND		6.6	50
Methylene Chloride	4.9	J	4.4	50
o-Xylene	ND		7.6	50
Styrene	ND		7.3	50
Tetrachloroethene	ND		3.6	50
Toluene	ND		5.1	50
trans-1,2-Dichloroethene	ND		9.0	50
trans-1,3-Dichloropropene	ND		3.7	50
Trichloroethene	ND		4.6	50
Vinyl chloride	ND		9.0	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	103		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-012**

Lab Sample ID: 480-30773-10 | Date Sampled: 12/19/2012 1530
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21625.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1834			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1834				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	110	

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-013**

Lab Sample ID: 480-30773-11
Client Matrix: Water

Date Sampled: 12/19/2012 1600
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21626.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1856			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1856				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	25
1,1,2,2-Tetrachloroethane	ND		1.1	25
1,1,2-Trichloroethane	ND		1.2	25
1,1-Dichloroethane	ND		1.9	25
1,1-Dichloroethene	ND		1.5	25
1,2-Dichloroethane	ND		1.1	25
1,2-Dichloropropane	ND		3.6	25
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	50
2-Methylthiophene	ND		2.2	50
3-Methylthiophene	ND		2.7	50
4-Methyl-2-pentanone (MIBK)	ND		11	50
Acetone	50		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	25
Bromoform	ND		1.3	25
Bromomethane	ND		3.5	50
Carbon disulfide	ND		0.95	25
Carbon tetrachloride	ND		1.4	25
Chlorobenzene	ND		3.8	25
Chloroethane	ND		1.6	50
Chloroform	ND		1.7	25
Chloromethane	ND		1.8	50
cis-1,2-Dichloroethene	ND		4.1	25
cis-1,3-Dichloropropene	ND		1.8	25
Dibromochloromethane	ND		1.6	25
Ethyl ether	14	J	3.6	50
Ethylbenzene	ND		3.7	25
m&p-Xylene	ND		3.3	25
Methylene Chloride	2.3	J	2.2	25
o-Xylene	ND		3.8	25
Styrene	ND		3.7	25
Tetrachloroethene	ND		1.8	25
Toluene	1200	E	2.6	25
trans-1,2-Dichloroethene	ND		4.5	25
trans-1,3-Dichloropropene	ND		1.9	25
Trichloroethene	ND		2.3	25
Vinyl chloride	ND		4.5	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-013**

Lab Sample ID: 480-30773-11
Client Matrix: Water

Date Sampled: 12/19/2012 1600
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21626.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1856			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1856				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
67-63-0	Isopropyl alcohol	2.63	260	
	Unknown	5.93	13	T J

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-013**

Lab Sample ID: 480-30773-11 | Date Sampled: 12/19/2012 1600
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18540.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1412	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1412				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		16	100
1,1,2,2-Tetrachloroethane	ND		4.2	100
1,1,2-Trichloroethane	ND		4.6	100
1,1-Dichloroethane	ND		7.6	100
1,1-Dichloroethene	ND		5.8	100
1,2-Dichloroethane	ND		4.2	100
1,2-Dichloropropane	ND		14	100
2-Butanone (MEK)	ND		26	200
2-Hexanone	ND		25	200
2-Methylthiophene	ND		8.8	200
3-Methylthiophene	ND		11	200
4-Methyl-2-pentanone (MIBK)	ND		42	200
Acetone	67	J	60	200
Benzene	ND		8.2	20
Bromodichloromethane	ND		7.8	100
Bromoform	ND		5.2	100
Bromomethane	ND		14	200
Carbon disulfide	ND		3.8	100
Carbon tetrachloride	ND		5.4	100
Chlorobenzene	ND		15	100
Chloroethane	ND		6.4	200
Chloroform	ND		6.8	100
Chloromethane	ND		7.0	200
cis-1,2-Dichloroethene	ND		16	100
cis-1,3-Dichloropropene	ND		7.2	100
Dibromochloromethane	ND		6.4	100
Ethyl ether	16	J	14	200
Ethylbenzene	ND		15	100
m&p-Xylene	ND		13	100
Methylene Chloride	15	J B	8.8	100
o-Xylene	ND		15	100
Styrene	ND		15	100
Tetrachloroethene	ND		7.2	100
Toluene	1500		10	100
trans-1,2-Dichloroethene	ND		18	100
trans-1,3-Dichloropropene	ND		7.4	100
Trichloroethene	ND		9.2	100
Vinyl chloride	ND		18	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	113		73 - 120
Toluene-d8 (Surr)	112		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-013**

Lab Sample ID: 480-30773-11
Client Matrix: Water

Date Sampled: 12/19/2012 1600
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18540.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1412	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1412				

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

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

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-014**

Lab Sample ID: 480-30773-12 | Date Sampled: 12/19/2012 1700
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21629.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2001			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2001				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	118		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-014**

Lab Sample ID: 480-30773-12 | Date Sampled: 12/19/2012 1700
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21629.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2001			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2001				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-009**

Lab Sample ID: 480-30773-13
Client Matrix: Water

Date Sampled: 12/19/2012 1300
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21630.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2022			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2022				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	87		73 - 120
Toluene-d8 (Surr)	102		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-009**

Lab Sample ID: 480-30773-13 | Date Sampled: 12/19/2012 1300
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21630.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2022			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2022				

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

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

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14 | Date Sampled: 12/19/2012 1400
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21631.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2043			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2043				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	50
1,1,2,2-Tetrachloroethane	ND		2.1	50
1,1,2-Trichloroethane	ND		2.3	50
1,1-Dichloroethane	ND		3.8	50
1,1-Dichloroethene	ND		2.9	50
1,2-Dichloroethane	ND		2.1	50
1,2-Dichloropropane	ND		7.2	50
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	100
2-Methylthiophene	ND		4.4	100
3-Methylthiophene	ND		5.3	100
4-Methyl-2-pentanone (MIBK)	ND		21	100
Acetone	150		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	50
Bromoform	ND		2.6	50
Bromomethane	ND		6.9	100
Carbon disulfide	ND		1.9	50
Carbon tetrachloride	ND		2.7	50
Chlorobenzene	ND		7.5	50
Chloroethane	ND		3.2	100
Chloroform	ND		3.4	50
Chloromethane	ND		3.5	100
cis-1,2-Dichloroethene	ND		8.1	50
cis-1,3-Dichloropropene	ND		3.6	50
Dibromochloromethane	ND		3.2	50
Ethyl ether	1200	E	7.2	100
Ethylbenzene	ND		7.4	50
m&p-Xylene	ND		6.6	50
Methylene Chloride	5.6	J	4.4	50
o-Xylene	ND		7.6	50
Styrene	ND		7.3	50
Tetrachloroethene	ND		3.6	50
Toluene	ND		5.1	50
trans-1,2-Dichloroethene	ND		9.0	50
trans-1,3-Dichloropropene	ND		3.7	50
Trichloroethene	ND		4.6	50
Vinyl chloride	ND		9.0	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		66 - 137
4-Bromofluorobenzene (Surr)	90		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14 | Date Sampled: 12/19/2012 1400
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21631.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2043			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2043				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.65	470	
141-78-6	Ethyl acetate	3.88	8.5	J

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14 | Date Sampled: 12/19/2012 1400
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18541.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1435	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1435				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		16	100
1,1,2,2-Tetrachloroethane	ND		4.2	100
1,1,2-Trichloroethane	ND		4.6	100
1,1-Dichloroethane	ND		7.6	100
1,1-Dichloroethene	ND		5.8	100
1,2-Dichloroethane	ND		4.2	100
1,2-Dichloropropane	ND		14	100
2-Butanone (MEK)	ND		26	200
2-Hexanone	ND		25	200
2-Methylthiophene	ND		8.8	200
3-Methylthiophene	ND		11	200
4-Methyl-2-pentanone (MIBK)	ND		42	200
Acetone	190	J	60	200
Benzene	ND		8.2	20
Bromodichloromethane	ND		7.8	100
Bromoform	ND		5.2	100
Bromomethane	ND		14	200
Carbon disulfide	ND		3.8	100
Carbon tetrachloride	ND		5.4	100
Chlorobenzene	ND		15	100
Chloroethane	ND		6.4	200
Chloroform	ND		6.8	100
Chloromethane	ND		7.0	200
cis-1,2-Dichloroethene	ND		16	100
cis-1,3-Dichloropropene	ND		7.2	100
Dibromochloromethane	ND		6.4	100
Ethyl ether	1600		14	200
Ethylbenzene	ND		15	100
m&p-Xylene	ND		13	100
Methylene Chloride	16	J B	8.8	100
o-Xylene	ND		15	100
Styrene	ND		15	100
Tetrachloroethene	ND		7.2	100
Toluene	ND		10	100
trans-1,2-Dichloroethene	ND		18	100
trans-1,3-Dichloropropene	ND		7.4	100
Trichloroethene	ND		9.2	100
Vinyl chloride	ND		18	200

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	115		73 - 120
Toluene-d8 (Surr)	115		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14 | Date Sampled: 12/19/2012 1400
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G18541.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1435	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1435				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-015**

Lab Sample ID: 480-30773-15
Client Matrix: Water

Date Sampled: 12/20/2012 0900
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21632.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2105			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2105				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-015**

Lab Sample ID: 480-30773-15 | Date Sampled: 12/20/2012 0900
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21632.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2105			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2105				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-016**

Lab Sample ID: 480-30773-16
Client Matrix: Water

Date Sampled: 12/20/2012 1000
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21633.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2126			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2126				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	2.9	J	1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		66 - 137
4-Bromofluorobenzene (Surr)	89		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-016**

Lab Sample ID: 480-30773-16 | Date Sampled: 12/20/2012 1000
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21633.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2126			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2126				

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.64	47	
141-78-6	Ethyl acetate	3.87	1.5	

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-017**

Lab Sample ID: 480-30773-17 | Date Sampled: 12/20/2012 1100
Client Matrix: Water | Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21634.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2147			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2147				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	116		71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-017**

Lab Sample ID: 480-30773-17
Client Matrix: Water

Date Sampled: 12/20/2012 1100
Date Received: 12/22/2012 1100

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S21634.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 2147			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 2147				

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

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

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-009**

Lab Sample ID: 480-30773-13
Client Matrix: Water

Date Sampled: 12/19/2012 1300
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5021.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1322			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.95	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.95	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.95	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.95	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.83	12
4-Methylphenol	ND		0.86	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.98	12
Acenaphthylene	ND		0.90	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	ND		0.86	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	ND		0.81	12
Benzo(g,h,i)perylene	ND		0.83	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.83	12
Bis(2-chloroethyl)ether	ND		0.95	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.71	12
Chrysene	ND		0.79	12
Dibenz(a,h)anthracene	ND		1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-009**

Lab Sample ID: 480-30773-13
Client Matrix: Water

Date Sampled: 12/19/2012 1300
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5021.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1322			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.86	12
Di-n-butyl phthalate	ND		0.74	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.95	12
Fluorene	ND		0.86	12
Hexachlorobenzene	ND		1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	ND		1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.69	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.93	12
Pyrene	ND		0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	102		52 - 132
2-Fluorobiphenyl	86		48 - 120
2-Fluorophenol	54		20 - 120
Nitrobenzene-d5	79		46 - 120
Phenol-d5	50		16 - 120
p-Terphenyl-d14	91		67 - 150

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-009**

Lab Sample ID: 480-30773-13
Client Matrix: Water

Date Sampled: 12/19/2012 1300
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5021.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1322			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.77	58	T J
	Unknown	13.66	23	T J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14
Client Matrix: Water

Date Sampled: 12/19/2012 1400
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5022.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1346			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.95	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.95	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.95	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.95	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.83	12
4-Methylphenol	6.1	J	0.86	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.98	12
Acenaphthylene	ND		0.90	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	ND		0.86	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	ND		0.81	12
Benzo(g,h,i)perylene	ND		0.83	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.83	12
Bis(2-chloroethyl)ether	ND		0.95	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.71	12
Chrysene	ND		0.79	12
Dibenz(a,h)anthracene	ND		1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14
Client Matrix: Water

Date Sampled: 12/19/2012 1400
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5022.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1346			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.86	12
Di-n-butyl phthalate	ND		0.74	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.95	12
Fluorene	ND		0.86	12
Hexachlorobenzene	ND		1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	ND		1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.69	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.93	12
Pyrene	ND		0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	108		52 - 132
2-Fluorobiphenyl	82		48 - 120
2-Fluorophenol	53		20 - 120
Nitrobenzene-d5	74		46 - 120
Phenol-d5	51		16 - 120
p-Terphenyl-d14	98		67 - 150

Client: NPEC - Sterling | Job Number: 480-30773-1

Client Sample ID: **GW-44538-121912-010**

Lab Sample ID: 480-30773-14 | Date Sampled: 12/19/2012 1400
Client Matrix: Water | Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5022.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1346			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **17**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.76	52	T J
	Unknown	3.88	17	T J
	Unknown	6.02	44	T J
103-82-2	Benzeneacetic acid	8.03	69	T J N
501-52-0	Benzenepropanoic acid	8.69	30	T J N
123-8-0	Benzaldehyde, 4-hydroxy-	8.94	12	T J N
121-33-5	Vanillin	9.21	34	T J N
	Unknown	9.91	37	T J
115-44-6	Talbutal	11.23	35	T J N
	Unknown	11.86	11	T J
	Unknown	12.41	29	T J
	Unknown	12.84	16	T J
	Unknown	13.60	28	T J
	Unknown	13.66	9.9	T J
	Unknown	14.11	12	T J
	Unknown	14.41	12	T J
	Unknown	14.88	12	T J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-015**

Lab Sample ID: 480-30773-15
Client Matrix: Water

Date Sampled: 12/20/2012 0900
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5023.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1410			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.95	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.95	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.95	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.95	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.83	12
4-Methylphenol	ND		0.86	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.98	12
Acenaphthylene	ND		0.90	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	ND		0.86	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	ND		0.81	12
Benzo(g,h,i)perylene	ND		0.83	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.83	12
Bis(2-chloroethyl)ether	ND		0.95	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.71	12
Chrysene	ND		0.79	12
Dibenz(a,h)anthracene	ND		1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-015**

Lab Sample ID: 480-30773-15
Client Matrix: Water

Date Sampled: 12/20/2012 0900
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5023.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1410			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.86	12
Di-n-butyl phthalate	ND		0.74	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.95	12
Fluorene	ND		0.86	12
Hexachlorobenzene	ND		1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	ND		1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.69	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.93	12
Pyrene	ND		0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	107		52 - 132
2-Fluorobiphenyl	87		48 - 120
2-Fluorophenol	52		20 - 120
Nitrobenzene-d5	77		46 - 120
Phenol-d5	50		16 - 120
p-Terphenyl-d14	90		67 - 150

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-015**

Lab Sample ID: 480-30773-15
Client Matrix: Water

Date Sampled: 12/20/2012 0900
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5023.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1410			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.77	17	T J
	Unknown	13.66	26	T J
	Unknown	14.11	10	T J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-016**

Lab Sample ID: 480-30773-16
Client Matrix: Water

Date Sampled: 12/20/2012 1000
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5024.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1434			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.0	24
1,2-Dichlorobenzene	ND		0.95	24
1,3-Dichlorobenzene	ND		1.1	24
1,4-Dichlorobenzene	ND		1.1	24
2,2'-Oxybis(1-chloropropane)	ND		1.2	12
2,4,5-Trichlorophenol	ND		1.1	12
2,4,6-Trichlorophenol	ND		1.5	12
2,4-Dichlorophenol	ND		1.2	12
2,4-Dimethylphenol	ND		1.2	12
2,4-Dinitrophenol	ND		5.3	24
2,4-Dinitrotoluene	ND		1.1	12
2,6-Dinitrotoluene	ND		0.95	12
2-Chloronaphthalene	ND		1.1	12
2-Chlorophenol	ND		1.3	12
2-Methylnaphthalene	ND		1.4	12
2-Methylphenol	ND		0.95	12
2-Nitroaniline	ND		1.0	24
2-Nitrophenol	ND		1.1	12
3,3'-Dichlorobenzidine	ND		0.95	12
3-Nitroaniline	ND		1.1	24
4,6-Dinitro-2-methylphenol	ND		5.2	24
4-Bromophenyl phenyl ether	ND		1.1	12
4-Chloro-3-methylphenol	ND		1.1	12
4-Chloroaniline	ND		1.4	12
4-Chlorophenyl phenyl ether	ND		0.83	12
4-Methylphenol	ND		0.86	24
4-Nitroaniline	ND		0.60	24
4-Nitrophenol	ND		3.6	24
Acenaphthene	ND		0.98	12
Acenaphthylene	ND		0.90	12
Anthracene	ND		0.67	12
Benzaldehyde	ND		0.64	12
Benzo(a)anthracene	ND		0.86	12
Benzo(a)pyrene	ND		1.1	12
Benzo(b)fluoranthene	ND		0.81	12
Benzo(g,h,i)perylene	ND		0.83	12
Benzo(k)fluoranthene	ND		1.7	12
Bis(2-chloroethoxy)methane	ND		0.83	12
Bis(2-chloroethyl)ether	ND		0.95	12
Bis(2-ethylhexyl) phthalate	ND		4.3	12
Butyl benzyl phthalate	ND		1.0	12
Carbazole	ND		0.71	12
Chrysene	ND		0.79	12
Dibenz(a,h)anthracene	ND		1.0	12
Dibenzofuran	ND		1.2	24
Diethyl phthalate	ND		0.52	12

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-016**

Lab Sample ID: 480-30773-16
Client Matrix: Water

Date Sampled: 12/20/2012 1000
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5024.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1434			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.86	12
Di-n-butyl phthalate	ND		0.74	12
Di-n-octyl phthalate	ND		1.1	12
Fluoranthene	ND		0.95	12
Fluorene	ND		0.86	12
Hexachlorobenzene	ND		1.2	12
Hexachlorobutadiene	ND		1.6	12
Hexachlorocyclopentadiene	ND		1.4	12
Hexachloroethane	ND		1.4	12
Indeno(1,2,3-cd)pyrene	ND		1.1	12
Isophorone	ND		1.0	12
Naphthalene	ND		1.8	12
Nitrobenzene	ND		0.69	12
N-Nitrosodi-n-propylamine	ND		1.3	12
N-Nitrosodiphenylamine	ND		1.2	12
Pentachlorophenol	ND		5.2	24
Phenanthrene	ND		1.0	12
Phenol	ND		0.93	12
Pyrene	ND		0.81	12

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	99		52 - 132
2-Fluorobiphenyl	76		48 - 120
2-Fluorophenol	49		20 - 120
Nitrobenzene-d5	72		46 - 120
Phenol-d5	48		16 - 120
p-Terphenyl-d14	92		67 - 150

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-016**

Lab Sample ID: 480-30773-16
Client Matrix: Water

Date Sampled: 12/20/2012 1000
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5024.D
Dilution:	1.0			Initial Weight/Volume:	420 mL
Analysis Date:	12/27/2012 1434			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.76	24	T J
	Unknown	13.66	26	T J

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-017**

Lab Sample ID: 480-30773-17
Client Matrix: Water

Date Sampled: 12/20/2012 1100
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5025.D
Dilution:	1.0			Initial Weight/Volume:	380 mL
Analysis Date:	12/27/2012 1458			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		1.2	26
1,2-Dichlorobenzene	ND		1.1	26
1,3-Dichlorobenzene	ND		1.3	26
1,4-Dichlorobenzene	ND		1.2	26
2,2'-Oxybis(1-chloropropane)	ND		1.4	13
2,4,5-Trichlorophenol	ND		1.3	13
2,4,6-Trichlorophenol	ND		1.6	13
2,4-Dichlorophenol	ND		1.3	13
2,4-Dimethylphenol	ND		1.3	13
2,4-Dinitrophenol	ND		5.8	26
2,4-Dinitrotoluene	ND		1.2	13
2,6-Dinitrotoluene	ND		1.1	13
2-Chloronaphthalene	ND		1.2	13
2-Chlorophenol	ND		1.4	13
2-Methylnaphthalene	ND		1.6	13
2-Methylphenol	ND		1.1	13
2-Nitroaniline	ND		1.1	26
2-Nitrophenol	ND		1.3	13
3,3'-Dichlorobenzidine	ND		1.1	13
3-Nitroaniline	ND		1.3	26
4,6-Dinitro-2-methylphenol	ND		5.8	26
4-Bromophenyl phenyl ether	ND		1.2	13
4-Chloro-3-methylphenol	ND		1.2	13
4-Chloroaniline	ND		1.6	13
4-Chlorophenyl phenyl ether	ND		0.92	13
4-Methylphenol	ND		0.95	26
4-Nitroaniline	ND		0.66	26
4-Nitrophenol	ND		4.0	26
Acenaphthene	ND		1.1	13
Acenaphthylene	ND		1.0	13
Anthracene	ND		0.74	13
Benzaldehyde	ND		0.70	13
Benzo(a)anthracene	ND		0.95	13
Benzo(a)pyrene	ND		1.2	13
Benzo(b)fluoranthene	ND		0.89	13
Benzo(g,h,i)perylene	ND		0.92	13
Benzo(k)fluoranthene	ND		1.9	13
Bis(2-chloroethoxy)methane	ND		0.92	13
Bis(2-chloroethyl)ether	ND		1.1	13
Bis(2-ethylhexyl) phthalate	ND		4.7	13
Butyl benzyl phthalate	ND		1.1	13
Carbazole	ND		0.79	13
Chrysene	ND		0.87	13
Dibenz(a,h)anthracene	ND		1.1	13
Dibenzofuran	ND		1.3	26
Diethyl phthalate	ND		0.58	13

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-017**

Lab Sample ID: 480-30773-17
Client Matrix: Water

Date Sampled: 12/20/2012 1100
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5025.D
Dilution:	1.0			Initial Weight/Volume:	380 mL
Analysis Date:	12/27/2012 1458			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.95	13
Di-n-butyl phthalate	ND		0.82	13
Di-n-octyl phthalate	ND		1.2	13
Fluoranthene	ND		1.1	13
Fluorene	ND		0.95	13
Hexachlorobenzene	ND		1.3	13
Hexachlorobutadiene	ND		1.8	13
Hexachlorocyclopentadiene	ND		1.6	13
Hexachloroethane	ND		1.6	13
Indeno(1,2,3-cd)pyrene	ND		1.2	13
Isophorone	ND		1.1	13
Naphthalene	ND		2.0	13
Nitrobenzene	ND		0.76	13
N-Nitrosodi-n-propylamine	ND		1.4	13
N-Nitrosodiphenylamine	ND		1.3	13
Pentachlorophenol	ND		5.8	26
Phenanthrene	ND		1.2	13
Phenol	ND		1.0	13
Pyrene	ND		0.89	13

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		52 - 132
2-Fluorobiphenyl	82		48 - 120
2-Fluorophenol	52		20 - 120
Nitrobenzene-d5	71		46 - 120
Phenol-d5	50		16 - 120
p-Terphenyl-d14	95		67 - 150

Client: NPEC - Sterling

Job Number: 480-30773-1

Client Sample ID: **GW-44538-122012-017**

Lab Sample ID: 480-30773-17
Client Matrix: Water

Date Sampled: 12/20/2012 1100
Date Received: 12/22/2012 1100

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Prep Method:	3510C	Prep Batch:	480-97415	Lab File ID:	U5025.D
Dilution:	1.0			Initial Weight/Volume:	380 mL
Analysis Date:	12/27/2012 1458			Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.76	81	T J
	Unknown	13.66	21	T J

Client: NPEC - Sterling

Job Number: 480-30773-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-30773-1	GW-44538-121912-001	109	107	92
480-30773-2	GW-44538-121912-002	108	105	92
480-30773-3	GW-44538-121912-003	108	105	91
480-30773-4	GW-44538-121912-004	106	105	89
480-30773-5 DL	GW-44538-121912-005 DL	105	111	108
480-30773-5	GW-44538-121912-005	109	107	91
480-30773-6 DL	GW-44538-121912-006 DL	106	117	117
480-30773-6	GW-44538-121912-006	107	104	89
480-30773-7 DL	GW-44538-121912-007 DL	105	111	113
480-30773-7	GW-44538-121912-007	110	106	90
480-30773-8 DL	GW-44538-121912-008 DL	104	112	111
480-30773-8	GW-44538-121912-008	109	105	90
480-30773-9	GW-44538-121912-011	110	105	91
480-30773-10	GW-44538-121912-012	112	103	89
480-30773-11 DL	GW-44538-121912-013 DL	107	112	113
480-30773-11	GW-44538-121912-013	111	102	92
480-30773-12	GW-44538-121912-014	118	118	100
480-30773-13	GW-44538-121912-009	109	102	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: NPEC - Sterling

Job Number: 480-30773-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-30773-14 DL	GW-44538-121912-010 DL	110	115	115
480-30773-14	GW-44538-121912-010	111	105	90
480-30773-15	GW-44538-122012-015	127	122	104
480-30773-16	GW-44538-122012-016	111	106	89
480-30773-17	GW-44538-122012-017	119	116	98
MB 480-97675/5		105	106	91
MB 480-97793/5		103	111	114
MB 480-97832/5		101	111	112
LCS 480-97675/4		103	106	94
LCS 480-97793/4		104	114	120
LCS 480-97832/4		96	103	104
480-30773-5 MS	GW-44538-121912-005 MS	105	112	117
480-30773-11 MS	GW-44538-121912-013 MS	107	101	89
480-30773-14 MS	GW-44538-121912-010 MS	109	118	120
480-30773-5 MSD	GW-44538-121912-005 MSD	109	115	114
480-30773-11 MSD	GW-44538-121912-013 MSD	110	102	88
480-30773-14 MSD	GW-44538-121912-010 MSD	102	116	120

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: NPEC - Sterling

Job Number: 480-30773-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-30773-13	GW-44538-121912-009	54	50	79	86	102	91
480-30773-14	GW-44538-121912-010	53	51	74	82	108	98
480-30773-15	GW-44538-122012-015	52	50	77	87	107	90
480-30773-16	GW-44538-122012-016	49	48	72	76	99	92
480-30773-17	GW-44538-122012-017	52	50	71	82	95	95
MB 480-97415/1-A		41	30	80	87	100	92
LCS 480-97415/2-A		46	36	85	91	112	99
LCSD 480-97415/3-A		46	36	84	90	110	98

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank - Batch: 480-97675

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-97675/5	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S21612.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1342	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1342				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	106	71 - 126

Client: NPEC - Sterling Job Number: 480-30773-1

Method Blank TICs- Batch: 480-97675

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

Lab Control Sample - Batch: 480-97675

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-97675/4	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S21611.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1321	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1321				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.9	108	71 - 129	
1,1-Dichloroethene	25.0	26.9	108	58 - 121	
1,2-Dichloroethane	25.0	26.6	107	75 - 127	
Benzene	25.0	26.5	106	71 - 124	
Chlorobenzene	25.0	25.5	102	72 - 120	
cis-1,2-Dichloroethene	25.0	26.2	105	74 - 124	
Ethylbenzene	25.0	26.1	105	77 - 123	
m&p-Xylene	50.0	51.8	104	76 - 122	
o-Xylene	25.0	25.0	100	76 - 122	
Tetrachloroethene	25.0	25.9	104	74 - 122	
Toluene	25.0	25.8	103	80 - 122	
trans-1,2-Dichloroethene	25.0	25.6	102	73 - 127	
Trichloroethene	25.0	26.6	107	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	94	73 - 120
Toluene-d8 (Surr)	106	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97675

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-11	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S21627.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1918			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1918				
Leach Date:	N/A				

MSD Lab Sample ID:	480-30773-11	Analysis Batch:	480-97675	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S21628.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/28/2012 1940			Final Weight/Volume:	5 mL
Prep Date:	12/28/2012 1940				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	88	86	71 - 129	3	20		
1,1-Dichloroethene	63	59	58 - 121	6	16		
1,2-Dichloroethane	109	106	75 - 127	3	20		
Benzene	87	84	71 - 124	3	13		
Chlorobenzene	89	88	72 - 120	1	25		
cis-1,2-Dichloroethene	88	86	74 - 124	3	15		
Ethylbenzene	86	83	77 - 123	3	15		
m&p-Xylene	85	81	76 - 122	5	16		
o-Xylene	84	83	76 - 122	1	16		
Tetrachloroethene	78	75	74 - 122	4	20		
Toluene	-51	-75	80 - 122	3	15	E 4	E 4
trans-1,2-Dichloroethene	83	80	73 - 127	3	20		
Trichloroethene	88	85	74 - 123	4	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	110	66 - 137
4-Bromofluorobenzene (Surr)	89	88	73 - 120
Toluene-d8 (Surr)	101	102	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97675

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-11	Units: ug/L	MSD Lab Sample ID:	480-30773-11	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	5.0		Dilution:	5.0	
Analysis Date:	12/28/2012 1918		Analysis Date:	12/28/2012 1940	
Prep Date:	12/28/2012 1918		Prep Date:	12/28/2012 1940	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	ND	125	125	110		107	
1,1-Dichloroethene	ND	125	125	78.3		73.8	
1,2-Dichloroethane	ND	125	125	136		132	
Benzene	ND	125	125	108		105	
Chlorobenzene	ND	125	125	111		110	
cis-1,2-Dichloroethene	ND	125	125	111		108	
Ethylbenzene	ND	125	125	107		104	
m&p-Xylene	ND	250	250	212		202	
o-Xylene	ND	125	125	105		103	
Tetrachloroethene	ND	125	125	97.6		93.5	
Toluene	1200	125	125	1150	E 4	1120	E 4
trans-1,2-Dichloroethene	ND	125	125	104		100	
Trichloroethene	ND	125	125	110		106	

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank - Batch: 480-97793

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-97793/5	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18534.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1137	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1137				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	0.723	J	0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	114	73 - 120
Toluene-d8 (Surr)	111	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank TICs- Batch: 480-97793

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

Lab Control Sample - Batch: 480-97793

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-97793/4	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18533.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1115	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1115				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	28.7	115	71 - 129	
1,1-Dichloroethene	25.0	22.8	91	58 - 121	
1,2-Dichloroethane	25.0	26.0	104	75 - 127	
Benzene	25.0	27.6	110	71 - 124	
Chlorobenzene	25.0	28.0	112	72 - 120	
cis-1,2-Dichloroethene	25.0	26.7	107	74 - 124	
Ethylbenzene	25.0	28.4	114	77 - 123	
m&p-Xylene	50.0	57.9	116	76 - 122	
o-Xylene	25.0	28.3	113	76 - 122	
Tetrachloroethene	25.0	29.9	120	74 - 122	
Toluene	25.0	27.8	111	80 - 122	
trans-1,2-Dichloroethene	25.0	25.4	102	73 - 127	
Trichloroethene	25.0	27.0	108	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	66 - 137
4-Bromofluorobenzene (Surr)	120	73 - 120
Toluene-d8 (Surr)	114	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97793

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-14	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18542.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1457			Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1457				
Leach Date:	N/A				

MSD Lab Sample ID:	480-30773-14	Analysis Batch:	480-97793	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18543.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/29/2012 1520			Final Weight/Volume:	5 mL
Prep Date:	12/29/2012 1520				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	121	111	71 - 129	9	20		
1,1-Dichloroethene	76	69	58 - 121	9	16		
1,2-Dichloroethane	113	106	75 - 127	7	20		
Benzene	116	109	71 - 124	6	13		
Chlorobenzene	124	118	72 - 120	5	25	F	
cis-1,2-Dichloroethene	113	106	74 - 124	7	15		
Ethylbenzene	120	114	77 - 123	6	15		
m&p-Xylene	123	114	76 - 122	7	16	F	
o-Xylene	122	115	76 - 122	6	16		
Tetrachloroethene	126	116	74 - 122	8	20	F	
Toluene	119	112	80 - 122	6	15		
trans-1,2-Dichloroethene	106	102	73 - 127	4	20		
Trichloroethene	113	105	74 - 123	7	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	102	66 - 137
4-Bromofluorobenzene (Surr)	120	120	73 - 120
Toluene-d8 (Surr)	118	116	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97793

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-14	Units: ug/L	MSD Lab Sample ID:	480-30773-14	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	20		Dilution:	20	
Analysis Date:	12/29/2012 1457		Analysis Date:	12/29/2012 1520	
Prep Date:	12/29/2012 1457		Prep Date:	12/29/2012 1520	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
1,1-Dichloroethane	ND	500	500	606		555
1,1-Dichloroethene	ND	500	500	379		347
1,2-Dichloroethane	ND	500	500	567		529
Benzene	ND	500	500	582		547
Chlorobenzene	ND	500	500	619	F	590
cis-1,2-Dichloroethene	ND	500	500	567		529
Ethylbenzene	ND	500	500	601		569
m&p-Xylene	ND	1000	1000	1230	F	1140
o-Xylene	ND	500	500	608		573
Tetrachloroethene	ND	500	500	631	F	581
Toluene	ND	500	500	593		561
trans-1,2-Dichloroethene	ND	500	500	531		511
Trichloroethene	ND	500	500	564		527

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank - Batch: 480-97832

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-97832/5	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18561.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/30/2012 1602	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/30/2012 1602				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	5.0
1,1,2,2-Tetrachloroethane	ND		0.21	5.0
1,1,2-Trichloroethane	ND		0.23	5.0
1,1-Dichloroethane	ND		0.38	5.0
1,1-Dichloroethene	ND		0.29	5.0
1,2-Dichloroethane	ND		0.21	5.0
1,2-Dichloropropane	ND		0.72	5.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	10
2-Methylthiophene	ND		0.44	10
3-Methylthiophene	ND		0.53	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	10
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	5.0
Bromoform	ND		0.26	5.0
Bromomethane	ND		0.69	10
Carbon disulfide	ND		0.19	5.0
Carbon tetrachloride	ND		0.27	5.0
Chlorobenzene	ND		0.75	5.0
Chloroethane	ND		0.32	10
Chloroform	ND		0.34	5.0
Chloromethane	ND		0.35	10
cis-1,2-Dichloroethene	ND		0.81	5.0
cis-1,3-Dichloropropene	ND		0.36	5.0
Dibromochloromethane	ND		0.32	5.0
Ethyl ether	ND		0.72	10
Ethylbenzene	ND		0.74	5.0
m&p-Xylene	ND		0.66	5.0
Methylene Chloride	ND		0.44	5.0
o-Xylene	ND		0.76	5.0
Styrene	ND		0.73	5.0
Tetrachloroethene	ND		0.36	5.0
Toluene	ND		0.51	5.0
trans-1,2-Dichloroethene	ND		0.90	5.0
trans-1,3-Dichloropropene	ND		0.37	5.0
Trichloroethene	ND		0.46	5.0
Vinyl chloride	ND		0.90	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	66 - 137
4-Bromofluorobenzene (Surr)	112	73 - 120
Toluene-d8 (Surr)	111	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank TICs- Batch: 480-97832

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

Lab Control Sample - Batch: 480-97832

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-97832/4	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18560.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/30/2012 1539	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	12/30/2012 1539				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	27.9	112	71 - 129	
1,1-Dichloroethene	25.0	17.3	69	58 - 121	
1,2-Dichloroethane	25.0	26.3	105	75 - 127	
Benzene	25.0	26.7	107	71 - 124	
Chlorobenzene	25.0	28.3	113	72 - 120	
cis-1,2-Dichloroethene	25.0	26.1	104	74 - 124	
Ethylbenzene	25.0	27.8	111	77 - 123	
m&p-Xylene	50.0	55.8	112	76 - 122	
o-Xylene	25.0	27.9	112	76 - 122	
Tetrachloroethene	25.0	29.4	118	74 - 122	
Toluene	25.0	26.8	107	80 - 122	
trans-1,2-Dichloroethene	25.0	25.1	100	73 - 127	
Trichloroethene	25.0	26.8	107	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	66 - 137
4-Bromofluorobenzene (Surr)	104	73 - 120
Toluene-d8 (Surr)	103	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97832

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-5	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18582.D
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/31/2012 0050			Final Weight/Volume:	5 mL
Prep Date:	12/31/2012 0050				
Leach Date:	N/A				

MSD Lab Sample ID:	480-30773-5	Analysis Batch:	480-97832	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G18583.D
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	12/31/2012 0112			Final Weight/Volume:	5 mL
Prep Date:	12/31/2012 0112				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	107	108	71 - 129	1	20		
1,1-Dichloroethene	66	67	58 - 121	3	16		
1,2-Dichloroethane	103	105	75 - 127	1	20		
Benzene	101	105	71 - 124	4	13		
Chlorobenzene	110	111	72 - 120	1	25		
cis-1,2-Dichloroethene	102	102	74 - 124	0	15		
Ethylbenzene	105	109	77 - 123	4	15		
m&p-Xylene	108	110	76 - 122	2	16		
o-Xylene	108	110	76 - 122	2	16		
Tetrachloroethene	110	114	74 - 122	3	20		
Toluene	102	107	80 - 122	4	15		
trans-1,2-Dichloroethene	94	96	73 - 127	2	20		
Trichloroethene	100	103	74 - 123	3	16		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	109	66 - 137
4-Bromofluorobenzene (Surr)	117	114	73 - 120
Toluene-d8 (Surr)	112	115	71 - 126

Client: NPEC - Sterling

Job Number: 480-30773-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-97832

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	480-30773-5	Units: ug/L	MSD Lab Sample ID:	480-30773-5	
Client Matrix:	Water		Client Matrix:	Water	
Dilution:	40		Dilution:	40	
Analysis Date:	12/31/2012 0050		Analysis Date:	12/31/2012 0112	
Prep Date:	12/31/2012 0050		Prep Date:	12/31/2012 0112	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	1000	1000	1070	1080
1,1-Dichloroethene	ND	1000	1000	655	675
1,2-Dichloroethane	ND	1000	1000	1030	1050
Benzene	ND	1000	1000	1010	1050
Chlorobenzene	ND	1000	1000	1100	1110
cis-1,2-Dichloroethene	ND	1000	1000	1020	1020
Ethylbenzene	ND	1000	1000	1050	1090
m&p-Xylene	ND	2000	2000	2160	2200
o-Xylene	ND	1000	1000	1080	1100
Tetrachloroethene	ND	1000	1000	1100	1140
Toluene	ND	1000	1000	1020	1070
trans-1,2-Dichloroethene	ND	1000	1000	940	955
Trichloroethene	ND	1000	1000	997	1030

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank - Batch: 480-97415

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-97415/1-A	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-97415	Lab File ID:	U5018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/27/2012 1211	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		0.44	10
1,2-Dichlorobenzene	ND		0.40	10
1,3-Dichlorobenzene	ND		0.48	10
1,4-Dichlorobenzene	ND		0.46	10
2,2'-Oxybis(1-chloropropane)	ND		0.52	5.0
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND		0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	ND		0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND		0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	ND		0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Anthracene	ND		0.28	5.0
Benzaldehyde	ND		0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	ND		1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Carbazole	ND		0.30	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0
Dibenzofuran	ND		0.51	10

Client: NPEC - Sterling

Job Number: 480-30773-1

Method Blank - Batch: 480-97415

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-97415/1-A	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-97415	Lab File ID:	U5018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/27/2012 1211	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Di-n-butyl phthalate	ND		0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	ND		0.47	5.0
Isophorone	ND		0.43	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	100	52 - 132
2-Fluorobiphenyl	87	48 - 120
2-Fluorophenol	41	20 - 120
Nitrobenzene-d5	80	46 - 120
Phenol-d5	30	16 - 120
p-Terphenyl-d14	92	67 - 150

Method Blank TICs- Batch: 480-97415

Cas Number	Analyte	RT	Est. Result	Qual
55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy	13.67	4.87	T J N

Client: NPEC - Sterling

Job Number: 480-30773-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 480-97415

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-97415/2-A	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-97415	Lab File ID:	U5019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/27/2012 1235	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 480-97415/3-A	Analysis Batch:	480-97535	Instrument ID:	HP5973U
Client Matrix:	Water	Prep Batch:	480-97415	Lab File ID:	U5020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	12/27/2012 1259	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	12/26/2012 1402			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	72	71	40 - 120	2	30		
1,4-Dichlorobenzene	64	61	32 - 120	4	36		
2,4-Dinitrotoluene	107	105	65 - 154	2	20		
2-Chlorophenol	76	75	48 - 120	2	25		
4-Chloro-3-methylphenol	99	96	64 - 120	3	27		
4-Nitrophenol	55	56	16 - 120	2	48		
Acenaphthene	96	95	60 - 120	1	24		
Bis(2-ethylhexyl) phthalate	102	100	53 - 158	2	15		
Fluorene	106	104	55 - 143	1	15		
Hexachloroethane	59	57	14 - 101	5	46		
N-Nitrosodi-n-propylamine	86	83	56 - 120	4	31		
Pentachlorophenol	108	106	39 - 136	2	37		
Phenol	44	43	17 - 120	3	34		
Pyrene	100	99	58 - 136	1	19		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	112	110	52 - 132
2-Fluorobiphenyl	91	90	48 - 120
2-Fluorophenol	46	46	20 - 120
Nitrobenzene-d5	85	84	46 - 120
Phenol-d5	36	36	16 - 120
p-Terphenyl-d14	99	98	67 - 150

Client: NPEC - Sterling

Job Number: 480-30773-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 480-97415

Method: 8270C
Preparation: 3510C

LCS Lab Sample ID:	LCS 480-97415/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 480-97415/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/27/2012 1235			Analysis Date:	12/27/2012 1259
Prep Date:	12/26/2012 1402			Prep Date:	12/26/2012 1402
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	100	100	72.2	70.6
1,4-Dichlorobenzene	100	100	63.7	60.9
2,4-Dinitrotoluene	100	100	107	105
2-Chlorophenol	100	100	75.8	74.6
4-Chloro-3-methylphenol	100	100	99.5	96.4
4-Nitrophenol	100	100	54.6	55.7
Acenaphthene	100	100	96.5	95.1
Bis(2-ethylhexyl) phthalate	100	100	102	99.9
Fluorene	100	100	106	104
Hexachloroethane	100	100	59.4	56.7
N-Nitrosodi-n-propylamine	100	100	86.3	82.9
Pentachlorophenol	100	100	108	106
Phenol	100	100	44.1	42.6
Pyrene	100	100	100	99.1

DATA REPORTING QUALIFIERS

Client: NPEC - Sterling Job Number: 480-30773-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	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.
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: NPEC - Sterling

Job Number: 480-30773-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-97675					
LCS 480-97675/4	Lab Control Sample	T	Water	8260B	
MB 480-97675/5	Method Blank	T	Water	8260B	
480-30773-1	GW-44538-121912-001	T	Water	8260B	
480-30773-2	GW-44538-121912-002	T	Water	8260B	
480-30773-3	GW-44538-121912-003	T	Water	8260B	
480-30773-4	GW-44538-121912-004	T	Water	8260B	
480-30773-5	GW-44538-121912-005	T	Water	8260B	
480-30773-6	GW-44538-121912-006	T	Water	8260B	
480-30773-7	GW-44538-121912-007	T	Water	8260B	
480-30773-8	GW-44538-121912-008	T	Water	8260B	
480-30773-9	GW-44538-121912-011	T	Water	8260B	
480-30773-10	GW-44538-121912-012	T	Water	8260B	
480-30773-11	GW-44538-121912-013	T	Water	8260B	
480-30773-11MS	Matrix Spike	T	Water	8260B	
480-30773-11MSD	Matrix Spike Duplicate	T	Water	8260B	
480-30773-12	GW-44538-121912-014	T	Water	8260B	
480-30773-13	GW-44538-121912-009	T	Water	8260B	
480-30773-14	GW-44538-121912-010	T	Water	8260B	
480-30773-15	GW-44538-122012-015	T	Water	8260B	
480-30773-16	GW-44538-122012-016	T	Water	8260B	
480-30773-17	GW-44538-122012-017	T	Water	8260B	
Analysis Batch:480-97793					
LCS 480-97793/4	Lab Control Sample	T	Water	8260B	
MB 480-97793/5	Method Blank	T	Water	8260B	
480-30773-6DL	GW-44538-121912-006	T	Water	8260B	
480-30773-7DL	GW-44538-121912-007	T	Water	8260B	
480-30773-8DL	GW-44538-121912-008	T	Water	8260B	
480-30773-11DL	GW-44538-121912-013	T	Water	8260B	
480-30773-14DL	GW-44538-121912-010	T	Water	8260B	
480-30773-14MS	Matrix Spike	T	Water	8260B	
480-30773-14MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:480-97832					
LCS 480-97832/4	Lab Control Sample	T	Water	8260B	
MB 480-97832/5	Method Blank	T	Water	8260B	
480-30773-5DL	GW-44538-121912-005	T	Water	8260B	
480-30773-5MS	Matrix Spike	T	Water	8260B	
480-30773-5MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

Client: NPEC - Sterling

Job Number: 480-30773-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 480-97415					
LCS 480-97415/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-97415/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-97415/1-A	Method Blank	T	Water	3510C	
480-30773-13	GW-44538-121912-009	T	Water	3510C	
480-30773-14	GW-44538-121912-010	T	Water	3510C	
480-30773-15	GW-44538-122012-015	T	Water	3510C	
480-30773-16	GW-44538-122012-016	T	Water	3510C	
480-30773-17	GW-44538-122012-017	T	Water	3510C	
Analysis Batch:480-97535					
LCS 480-97415/2-A	Lab Control Sample	T	Water	8270C	480-97415
LCSD 480-97415/3-A	Lab Control Sample Duplicate	T	Water	8270C	480-97415
MB 480-97415/1-A	Method Blank	T	Water	8270C	480-97415
480-30773-13	GW-44538-121912-009	T	Water	8270C	480-97415
480-30773-14	GW-44538-121912-010	T	Water	8270C	480-97415
480-30773-15	GW-44538-122012-015	T	Water	8270C	480-97415
480-30773-16	GW-44538-122012-016	T	Water	8270C	480-97415
480-30773-17	GW-44538-122012-017	T	Water	8270C	480-97415

Report Basis

T = Total

Client: NPEC - Sterling Job Number: 480-30773-1

Laboratory Chronicle

Lab ID: 480-30773-1 **Client ID:** GW-44538-121912-001

Sample Date/Time: 12/19/2012 08:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-1		480-97675		12/28/2012 15:18	5	TAL BUF	TRF
A:8260B	480-30773-A-1		480-97675		12/28/2012 15:18	5	TAL BUF	TRF

Lab ID: 480-30773-2 **Client ID:** GW-44538-121912-002

Sample Date/Time: 12/19/2012 08:25 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-2		480-97675		12/28/2012 15:40	1	TAL BUF	TRF
A:8260B	480-30773-A-2		480-97675		12/28/2012 15:40	1	TAL BUF	TRF

Lab ID: 480-30773-3 **Client ID:** GW-44538-121912-003

Sample Date/Time: 12/19/2012 09:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-3		480-97675		12/28/2012 16:02	1	TAL BUF	TRF
A:8260B	480-30773-A-3		480-97675		12/28/2012 16:02	1	TAL BUF	TRF

Lab ID: 480-30773-4 **Client ID:** GW-44538-121912-004

Sample Date/Time: 12/19/2012 09:30 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-4		480-97675		12/28/2012 16:24	5	TAL BUF	TRF
A:8260B	480-30773-A-4		480-97675		12/28/2012 16:24	5	TAL BUF	TRF

Lab ID: 480-30773-5 **Client ID:** GW-44538-121912-005

Sample Date/Time: 12/19/2012 10:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-5		480-97675		12/28/2012 16:45	1	TAL BUF	TRF
A:8260B	480-30773-A-5		480-97675		12/28/2012 16:45	1	TAL BUF	TRF
P:5030B	480-30773-B-5	DL	480-97832		12/31/2012 00:27	40	TAL BUF	RL
A:8260B	480-30773-B-5	DL	480-97832		12/31/2012 00:27	40	TAL BUF	RL

Lab ID: 480-30773-5 MS **Client ID:** GW-44538-121912-005

Sample Date/Time: 12/19/2012 10:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-5 MS		480-97832		12/31/2012 00:50	40	TAL BUF	RL
A:8260B	480-30773-B-5 MS		480-97832		12/31/2012 00:50	40	TAL BUF	RL

Client: NPEC - Sterling Job Number: 480-30773-1

Laboratory Chronicle

Lab ID: 480-30773-5 MSD **Client ID:** GW-44538-121912-005

Sample Date/Time: 12/19/2012 10:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-5 MSD		480-97832		12/31/2012 01:12	40	TAL BUF	RL
A:8260B	480-30773-B-5 MSD		480-97832		12/31/2012 01:12	40	TAL BUF	RL

Lab ID: 480-30773-6 **Client ID:** GW-44538-121912-006

Sample Date/Time: 12/19/2012 10:30 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-6		480-97675		12/28/2012 17:07	5	TAL BUF	TRF
A:8260B	480-30773-A-6		480-97675		12/28/2012 17:07	5	TAL BUF	TRF
P:5030B	480-30773-B-6	DL	480-97793		12/29/2012 13:05	50	TAL BUF	ND
A:8260B	480-30773-B-6	DL	480-97793		12/29/2012 13:05	50	TAL BUF	ND

Lab ID: 480-30773-7 **Client ID:** GW-44538-121912-007

Sample Date/Time: 12/19/2012 11:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-7		480-97675		12/28/2012 17:29	5	TAL BUF	TRF
A:8260B	480-30773-A-7		480-97675		12/28/2012 17:29	5	TAL BUF	TRF
P:5030B	480-30773-B-7	DL	480-97793		12/29/2012 13:27	40	TAL BUF	ND
A:8260B	480-30773-B-7	DL	480-97793		12/29/2012 13:27	40	TAL BUF	ND

Lab ID: 480-30773-8 **Client ID:** GW-44538-121912-008

Sample Date/Time: 12/19/2012 12:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-8		480-97675		12/28/2012 17:51	1	TAL BUF	TRF
A:8260B	480-30773-A-8		480-97675		12/28/2012 17:51	1	TAL BUF	TRF
P:5030B	480-30773-B-8	DL	480-97793		12/29/2012 13:50	2	TAL BUF	ND
A:8260B	480-30773-B-8	DL	480-97793		12/29/2012 13:50	2	TAL BUF	ND

Lab ID: 480-30773-9 **Client ID:** GW-44538-121912-011

Sample Date/Time: 12/19/2012 14:30 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-9		480-97675		12/28/2012 18:13	5	TAL BUF	TRF
A:8260B	480-30773-A-9		480-97675		12/28/2012 18:13	5	TAL BUF	TRF

Client: NPEC - Sterling Job Number: 480-30773-1

Laboratory Chronicle

Lab ID: 480-30773-10 **Client ID:** GW-44538-121912-012

Sample Date/Time: 12/19/2012 15:30 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-10		480-97675		12/28/2012 18:34	10	TAL BUF	TRF
A:8260B	480-30773-A-10		480-97675		12/28/2012 18:34	10	TAL BUF	TRF

Lab ID: 480-30773-11 **Client ID:** GW-44538-121912-013

Sample Date/Time: 12/19/2012 16:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-11		480-97675		12/28/2012 18:56	5	TAL BUF	TRF
A:8260B	480-30773-A-11		480-97675		12/28/2012 18:56	5	TAL BUF	TRF
P:5030B	480-30773-A-11	DL	480-97793		12/29/2012 14:12	20	TAL BUF	ND
A:8260B	480-30773-A-11	DL	480-97793		12/29/2012 14:12	20	TAL BUF	ND

Lab ID: 480-30773-11 **Client ID:** GW-44538-121912-013

Sample Date/Time: 12/19/2012 16:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-11 MS		480-97675		12/28/2012 19:18	5	TAL BUF	TRF
A:8260B	480-30773-A-11 MS		480-97675		12/28/2012 19:18	5	TAL BUF	TRF

Lab ID: 480-30773-11 **Client ID:** GW-44538-121912-013

Sample Date/Time: 12/19/2012 16:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-11 MSD		480-97675		12/28/2012 19:40	5	TAL BUF	TRF
A:8260B	480-30773-A-11 MSD		480-97675		12/28/2012 19:40	5	TAL BUF	TRF

Lab ID: 480-30773-12 **Client ID:** GW-44538-121912-014

Sample Date/Time: 12/19/2012 17:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-A-12		480-97675		12/28/2012 20:01	1	TAL BUF	TRF
A:8260B	480-30773-A-12		480-97675		12/28/2012 20:01	1	TAL BUF	TRF

Client: NPEC - Sterling Job Number: 480-30773-1

Laboratory Chronicle

Lab ID: 480-30773-13 **Client ID:** GW-44538-121912-009

Sample Date/Time: 12/19/2012 13:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-13		480-97675		12/28/2012 20:22	1	TAL BUF	TRF
A:8260B	480-30773-B-13		480-97675		12/28/2012 20:22	1	TAL BUF	TRF
P:3510C	480-30773-A-13-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	480-30773-A-13-A		480-97535	480-97415	12/27/2012 13:22	1	TAL BUF	AM

Lab ID: 480-30773-14 **Client ID:** GW-44538-121912-010

Sample Date/Time: 12/19/2012 14:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-14		480-97675		12/28/2012 20:43	10	TAL BUF	TRF
A:8260B	480-30773-B-14		480-97675		12/28/2012 20:43	10	TAL BUF	TRF
P:5030B	480-30773-C-14	DL	480-97793		12/29/2012 14:35	20	TAL BUF	ND
A:8260B	480-30773-C-14	DL	480-97793		12/29/2012 14:35	20	TAL BUF	ND
P:3510C	480-30773-A-14-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	480-30773-A-14-A		480-97535	480-97415	12/27/2012 13:46	1	TAL BUF	AM

Lab ID: 480-30773-14 MS **Client ID:** GW-44538-121912-010

Sample Date/Time: 12/19/2012 14:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-C-14 MS		480-97793		12/29/2012 14:57	20	TAL BUF	ND
A:8260B	480-30773-C-14 MS		480-97793		12/29/2012 14:57	20	TAL BUF	ND

Lab ID: 480-30773-14 MSD **Client ID:** GW-44538-121912-010

Sample Date/Time: 12/19/2012 14:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-C-14 MSD		480-97793		12/29/2012 15:20	20	TAL BUF	ND
A:8260B	480-30773-C-14 MSD		480-97793		12/29/2012 15:20	20	TAL BUF	ND

Lab ID: 480-30773-15 **Client ID:** GW-44538-122012-015

Sample Date/Time: 12/20/2012 09:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-15		480-97675		12/28/2012 21:05	1	TAL BUF	TRF
A:8260B	480-30773-B-15		480-97675		12/28/2012 21:05	1	TAL BUF	TRF
P:3510C	480-30773-A-15-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	480-30773-A-15-A		480-97535	480-97415	12/27/2012 14:10	1	TAL BUF	AM

Client: NPEC - Sterling Job Number: 480-30773-1

Laboratory Chronicle

Lab ID: 480-30773-16 **Client ID:** GW-44538-122012-016

Sample Date/Time: 12/20/2012 10:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-16		480-97675		12/28/2012 21:26	1	TAL BUF	TRF
A:8260B	480-30773-B-16		480-97675		12/28/2012 21:26	1	TAL BUF	TRF
P:3510C	480-30773-A-16-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	480-30773-A-16-A		480-97535	480-97415	12/27/2012 14:34	1	TAL BUF	AM

Lab ID: 480-30773-17 **Client ID:** GW-44538-122012-017

Sample Date/Time: 12/20/2012 11:00 Received Date/Time: 12/22/2012 11:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-30773-B-17		480-97675		12/28/2012 21:47	1	TAL BUF	TRF
A:8260B	480-30773-B-17		480-97675		12/28/2012 21:47	1	TAL BUF	TRF
P:3510C	480-30773-A-17-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	480-30773-A-17-A		480-97535	480-97415	12/27/2012 14:58	1	TAL BUF	AM

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:5030B	MB 480-97675/5		480-97675		12/28/2012 13:42	1	TAL BUF	TRF
A:8260B	MB 480-97675/5		480-97675		12/28/2012 13:42	1	TAL BUF	TRF
P:5030B	MB 480-97793/5		480-97793		12/29/2012 11:37	1	TAL BUF	ND
A:8260B	MB 480-97793/5		480-97793		12/29/2012 11:37	1	TAL BUF	ND
P:5030B	MB 480-97832/5		480-97832		12/30/2012 16:02	1	TAL BUF	RL
A:8260B	MB 480-97832/5		480-97832		12/30/2012 16:02	1	TAL BUF	RL
P:3510C	MB 480-97415/1-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	MB 480-97415/1-A		480-97535	480-97415	12/27/2012 12:11	1	TAL BUF	AM

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:5030B	LCS 480-97675/4		480-97675		12/28/2012 13:21	1	TAL BUF	TRF
A:8260B	LCS 480-97675/4		480-97675		12/28/2012 13:21	1	TAL BUF	TRF
P:5030B	LCS 480-97793/4		480-97793		12/29/2012 11:15	1	TAL BUF	ND
A:8260B	LCS 480-97793/4		480-97793		12/29/2012 11:15	1	TAL BUF	ND
P:5030B	LCS 480-97832/4		480-97832		12/30/2012 15:39	1	TAL BUF	RL
A:8260B	LCS 480-97832/4		480-97832		12/30/2012 15:39	1	TAL BUF	RL
P:3510C	LCS 480-97415/2-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	LCS 480-97415/2-A		480-97535	480-97415	12/27/2012 12:35	1	TAL BUF	AM

Client: NPEC - Sterling

Job Number: 480-30773-1

Laboratory Chronicle

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:3510C	LCSD 480-97415/3-A		480-97535	480-97415	12/26/2012 14:02	1	TAL BUF	KB
A:8270C	LCSD 480-97415/3-A		480-97535	480-97415	12/27/2012 12:59	1	TAL BUF	AM

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: NPEC - Sterling
TestAmerica Job ID: 480-30773-1
Project/Site: Sterling Site #2 and #3 East Greenbush,

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

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.

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
GW-44538-121912-001	480-30773-1	109	107	92
GW-44538-121912-002	480-30773-2	108	105	92
GW-44538-121912-003	480-30773-3	108	105	91
GW-44538-121912-004	480-30773-4	106	105	89
GW-44538-121912-005	480-30773-5	109	107	91
GW-44538-121912-005 DL	480-30773-5 DL	105	111	108
GW-44538-121912-006	480-30773-6	107	104	89
GW-44538-121912-006 DL	480-30773-6 DL	106	117	117
GW-44538-121912-007	480-30773-7	110	106	90
GW-44538-121912-007 DL	480-30773-7 DL	105	111	113
GW-44538-121912-008	480-30773-8	109	105	90
GW-44538-121912-008 DL	480-30773-8 DL	104	112	111
GW-44538-121912-011	480-30773-9	110	105	91
GW-44538-121912-012	480-30773-10	112	103	89
GW-44538-121912-013	480-30773-11	111	102	92
GW-44538-121912-013 DL	480-30773-11 DL	107	112	113
GW-44538-121912-014	480-30773-12	118	118	100
GW-44538-121912-009	480-30773-13	109	102	87
GW-44538-121912-010	480-30773-14	111	105	90
GW-44538-121912-010 DL	480-30773-14 DL	110	115	115
GW-44538-122012-015	480-30773-15	127	122	104
GW-44538-122012-016	480-30773-16	111	106	89
GW-44538-122012-017	480-30773-17	119	116	98
	MB 480-97675/5	105	106	91
	MB 480-97793/5	103	111	114

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
	MB 480-97832/5	101	111	112
	LCS 480-97675/4	103	106	94
	LCS 480-97793/4	104	114	120
	LCS 480-97832/4	96	103	104
GW-44538-121912-005 MS	480-30773-5 MS	105	112	117
GW-44538-121912-013 MS	480-30773-11 MS	107	101	89
GW-44538-121912-010 MS	480-30773-14 MS	109	118	120
GW-44538-121912-005 MSD	480-30773-5 MSD	109	115	114
GW-44538-121912-013 MSD	480-30773-11 MSD	110	102	88
GW-44538-121912-010 MSD	480-30773-14 MSD	102	116	120

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S21611.D

Lab ID: LCS 480-97675/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.9	108	71-129	
1,1-Dichloroethene	25.0	26.9	108	58-121	
1,2-Dichloroethane	25.0	26.6	107	75-127	
Benzene	25.0	26.5	106	71-124	
Chlorobenzene	25.0	25.5	102	72-120	
cis-1,2-Dichloroethene	25.0	26.2	105	74-124	
Ethylbenzene	25.0	26.1	105	77-123	
m&p-Xylene	50.0	51.8	104	76-122	
o-Xylene	25.0	25.0	100	76-122	
Tetrachloroethene	25.0	25.9	104	74-122	
Toluene	25.0	25.8	103	80-122	
trans-1,2-Dichloroethene	25.0	25.6	102	73-127	
Trichloroethene	25.0	26.6	107	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18533.D

Lab ID: LCS 480-97793/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	28.7	115	71-129	
1,1-Dichloroethene	25.0	22.8	91	58-121	
1,2-Dichloroethane	25.0	26.0	104	75-127	
Benzene	25.0	27.6	110	71-124	
Chlorobenzene	25.0	28.0	112	72-120	
cis-1,2-Dichloroethene	25.0	26.7	107	74-124	
Ethylbenzene	25.0	28.4	114	77-123	
m&p-Xylene	50.0	57.9	116	76-122	
o-Xylene	25.0	28.3	113	76-122	
Tetrachloroethene	25.0	29.9	120	74-122	
Toluene	25.0	27.8	111	80-122	
trans-1,2-Dichloroethene	25.0	25.4	102	73-127	
Trichloroethene	25.0	27.0	108	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18560.D

Lab ID: LCS 480-97832/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	27.9	112	71-129	
1,1-Dichloroethene	25.0	17.3	69	58-121	
1,2-Dichloroethane	25.0	26.3	105	75-127	
Benzene	25.0	26.7	107	71-124	
Chlorobenzene	25.0	28.3	113	72-120	
cis-1,2-Dichloroethene	25.0	26.1	104	74-124	
Ethylbenzene	25.0	27.8	111	77-123	
m&p-Xylene	50.0	55.8	112	76-122	
o-Xylene	25.0	27.9	112	76-122	
Tetrachloroethene	25.0	29.4	118	74-122	
Toluene	25.0	26.8	107	80-122	
trans-1,2-Dichloroethene	25.0	25.1	100	73-127	
Trichloroethene	25.0	26.8	107	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18582.D

Lab ID: 480-30773-5 MS Client ID: GW-44538-121912-005 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	1000	ND	1070	107	71-129	
1,1-Dichloroethene	1000	ND	655	66	58-121	
1,2-Dichloroethane	1000	ND	1030	103	75-127	
Benzene	1000	ND	1010	101	71-124	
Chlorobenzene	1000	ND	1100	110	72-120	
cis-1,2-Dichloroethene	1000	ND	1020	102	74-124	
Ethylbenzene	1000	ND	1050	105	77-123	
m&p-Xylene	2000	ND	2160	108	76-122	
o-Xylene	1000	ND	1080	108	76-122	
Tetrachloroethene	1000	ND	1100	110	74-122	
Toluene	1000	ND	1020	102	80-122	
trans-1,2-Dichloroethene	1000	ND	940	94	73-127	
Trichloroethene	1000	ND	997	100	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S21627.D

Lab ID: 480-30773-11 MS Client ID: GW-44538-121912-013 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	125	ND	110	88	71-129	
1,1-Dichloroethene	125	ND	78.3	63	58-121	
1,2-Dichloroethane	125	ND	136	109	75-127	
Benzene	125	ND	108	87	71-124	
Chlorobenzene	125	ND	111	89	72-120	
cis-1,2-Dichloroethene	125	ND	111	88	74-124	
Ethylbenzene	125	ND	107	86	77-123	
m&p-Xylene	250	ND	212	85	76-122	
o-Xylene	125	ND	105	84	76-122	
Tetrachloroethene	125	ND	97.6	78	74-122	
Toluene	125	1200	1150	-51	80-122	E 4
trans-1,2-Dichloroethene	125	ND	104	83	73-127	
Trichloroethene	125	ND	110	88	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18542.D

Lab ID: 480-30773-14 MS Client ID: GW-44538-121912-010 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	500	ND	606	121	71-129	
1,1-Dichloroethene	500	ND	379	76	58-121	
1,2-Dichloroethane	500	ND	567	113	75-127	
Benzene	500	ND	582	116	71-124	
Chlorobenzene	500	ND	619	124	72-120	F
cis-1,2-Dichloroethene	500	ND	567	113	74-124	
Ethylbenzene	500	ND	601	120	77-123	
m&p-Xylene	1000	ND	1230	123	76-122	F
o-Xylene	500	ND	608	122	76-122	
Tetrachloroethene	500	ND	631	126	74-122	F
Toluene	500	ND	593	119	80-122	
trans-1,2-Dichloroethene	500	ND	531	106	73-127	
Trichloroethene	500	ND	564	113	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18583.D

Lab ID: 480-30773-5 MSD Client ID: GW-44538-121912-005 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	1000	1080	108	1	20	71-129	
1,1-Dichloroethene	1000	675	67	3	16	58-121	
1,2-Dichloroethane	1000	1050	105	1	20	75-127	
Benzene	1000	1050	105	4	13	71-124	
Chlorobenzene	1000	1110	111	1	25	72-120	
cis-1,2-Dichloroethene	1000	1020	102	0	15	74-124	
Ethylbenzene	1000	1090	109	4	15	77-123	
m&p-Xylene	2000	2200	110	2	16	76-122	
o-Xylene	1000	1100	110	2	16	76-122	
Tetrachloroethene	1000	1140	114	3	20	74-122	
Toluene	1000	1070	107	4	15	80-122	
trans-1,2-Dichloroethene	1000	955	96	2	20	73-127	
Trichloroethene	1000	1030	103	3	16	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S21628.D

Lab ID: 480-30773-11 MSD Client ID: GW-44538-121912-013 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	125	107	86	3	20	71-129	
1,1-Dichloroethene	125	73.8	59	6	16	58-121	
1,2-Dichloroethane	125	132	106	3	20	75-127	
Benzene	125	105	84	3	13	71-124	
Chlorobenzene	125	110	88	1	25	72-120	
cis-1,2-Dichloroethene	125	108	86	3	15	74-124	
Ethylbenzene	125	104	83	3	15	77-123	
m&p-Xylene	250	202	81	5	16	76-122	
o-Xylene	125	103	83	1	16	76-122	
Tetrachloroethene	125	93.5	75	4	20	74-122	
Toluene	125	1120	-75	3	15	80-122	E 4
trans-1,2-Dichloroethene	125	100	80	3	20	73-127	
Trichloroethene	125	106	85	4	16	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G18543.D

Lab ID: 480-30773-14 MSD Client ID: GW-44538-121912-010 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	500	555	111	9	20	71-129	
1,1-Dichloroethene	500	347	69	9	16	58-121	
1,2-Dichloroethane	500	529	106	7	20	75-127	
Benzene	500	547	109	6	13	71-124	
Chlorobenzene	500	590	118	5	25	72-120	
cis-1,2-Dichloroethene	500	529	106	7	15	74-124	
Ethylbenzene	500	569	114	6	15	77-123	
m&p-Xylene	1000	1140	114	7	16	76-122	
o-Xylene	500	573	115	6	16	76-122	
Tetrachloroethene	500	581	116	8	20	74-122	
Toluene	500	561	112	6	15	80-122	
trans-1,2-Dichloroethene	500	511	102	4	20	73-127	
Trichloroethene	500	527	105	7	16	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: S21612.D Lab Sample ID: MB 480-97675/5

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

Instrument ID: HP5973S Date Analyzed: 12/28/2012 13:42

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 480-97675/4	S21611.D	12/28/2012 13:21
GW-44538-121912-001	480-30773-1	S21616.D	12/28/2012 15:18
GW-44538-121912-002	480-30773-2	S21617.D	12/28/2012 15:40
GW-44538-121912-003	480-30773-3	S21618.D	12/28/2012 16:02
GW-44538-121912-004	480-30773-4	S21619.D	12/28/2012 16:24
GW-44538-121912-005	480-30773-5	S21620.D	12/28/2012 16:45
GW-44538-121912-006	480-30773-6	S21621.D	12/28/2012 17:07
GW-44538-121912-007	480-30773-7	S21622.D	12/28/2012 17:29
GW-44538-121912-008	480-30773-8	S21623.D	12/28/2012 17:51
GW-44538-121912-011	480-30773-9	S21624.D	12/28/2012 18:13
GW-44538-121912-012	480-30773-10	S21625.D	12/28/2012 18:34
GW-44538-121912-013	480-30773-11	S21626.D	12/28/2012 18:56
GW-44538-121912-013 MS	480-30773-11 MS	S21627.D	12/28/2012 19:18
GW-44538-121912-013 MSD	480-30773-11 MSD	S21628.D	12/28/2012 19:40
GW-44538-121912-014	480-30773-12	S21629.D	12/28/2012 20:01
GW-44538-121912-009	480-30773-13	S21630.D	12/28/2012 20:22
GW-44538-121912-010	480-30773-14	S21631.D	12/28/2012 20:43
GW-44538-122012-015	480-30773-15	S21632.D	12/28/2012 21:05
GW-44538-122012-016	480-30773-16	S21633.D	12/28/2012 21:26
GW-44538-122012-017	480-30773-17	S21634.D	12/28/2012 21:47

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G18534.D Lab Sample ID: MB 480-97793/5

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

Instrument ID: HP5973G Date Analyzed: 12/29/2012 11:37

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 480-97793/4	G18533.D	12/29/2012 11:15
GW-44538-121912-006 DL	480-30773-6 DL	G18537.D	12/29/2012 13:05
GW-44538-121912-007 DL	480-30773-7 DL	G18538.D	12/29/2012 13:27
GW-44538-121912-008 DL	480-30773-8 DL	G18539.D	12/29/2012 13:50
GW-44538-121912-013 DL	480-30773-11 DL	G18540.D	12/29/2012 14:12
GW-44538-121912-010 DL	480-30773-14 DL	G18541.D	12/29/2012 14:35
GW-44538-121912-010 MS	480-30773-14 MS	G18542.D	12/29/2012 14:57
GW-44538-121912-010 MSD	480-30773-14 MSD	G18543.D	12/29/2012 15:20

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G18561.D Lab Sample ID: MB 480-97832/5

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

Instrument ID: HP5973G Date Analyzed: 12/30/2012 16:02

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 480-97832/4	G18560.D	12/30/2012 15:39
GW-44538-121912-005 DL	480-30773-5 DL	G18581.D	12/31/2012 00:27
GW-44538-121912-005 MS	480-30773-5 MS	G18582.D	12/31/2012 00:50
GW-44538-121912-005 MSD	480-30773-5 MSD	G18583.D	12/31/2012 01:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G17980.D BFB Injection Date: 12/12/2012

Instrument ID: HP5973G BFB Injection Time: 16:42

Analysis Batch No.: 95471

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	51.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.2	
173	Less than 2.0 % of mass 174	0.7	(1.1)1
174	50.0 - 120.00 % of mass 95	69.8	
175	5.0 - 9.0 % of mass 174	4.8	(6.9)1
176	95.0 - 101.0 % of mass 174	66.4	(95.1)1
177	5.0 - 9.0 % of mass 176	4.3	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-95471/3	G17982.D	12/12/2012	17:29
	IC 480-95471/4	G17983.D	12/12/2012	17:52
	IC 480-95471/5	G17984.D	12/12/2012	18:15
	ICIS 480-95471/6	G17985.D	12/12/2012	18:38
	IC 480-95471/7	G17986.D	12/12/2012	19:01
	IC 480-95471/8	G17987.D	12/12/2012	19:23

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G17993.D BFB Injection Date: 12/13/2012

Instrument ID: HP5973G BFB Injection Time: 14:39

Analysis Batch No.: 95589

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.9	
75	30.0 - 60.0 % of mass 95	49.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	63.4	
175	5.0 - 9.0 % of mass 174	5.6	(8.8)1
176	95.0 - 101.0 % of mass 174	60.3	(95.2)1
177	5.0 - 9.0 % of mass 176	4.3	(7.1)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 480-95589/14	G17995.D	12/13/2012	15:41
	IC 480-95589/15	G17996.D	12/13/2012	16:04
	IC 480-95589/16	G17997.D	12/13/2012	16:27
	IC 480-95589/17	G17998.D	12/13/2012	16:49
	IC 480-95589/18	G17999.D	12/13/2012	17:12
	IC 480-95589/19	G18000.D	12/13/2012	17:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G18530.D BFB Injection Date: 12/29/2012

Instrument ID: HP5973G BFB Injection Time: 09:50

Analysis Batch No.: 97793

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.9	
75	30.0 - 60.0 % of mass 95	54.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.0	(1.2)1
174	50.0 - 120.00 % of mass 95	81.9	
175	5.0 - 9.0 % of mass 174	4.9	(5.9)1
176	95.0 - 101.0 % of mass 174	77.9	(95.1)1
177	5.0 - 9.0 % of mass 176	5.2	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-97793/2	G18531.D	12/29/2012	10:19
	CCV 480-97793/3	G18532.D	12/29/2012	10:52
	LCS 480-97793/4	G18533.D	12/29/2012	11:15
	MB 480-97793/5	G18534.D	12/29/2012	11:37
GW-44538-121912-006 DL	480-30773-6 DL	G18537.D	12/29/2012	13:05
GW-44538-121912-007 DL	480-30773-7 DL	G18538.D	12/29/2012	13:27
GW-44538-121912-008 DL	480-30773-8 DL	G18539.D	12/29/2012	13:50
GW-44538-121912-013 DL	480-30773-11 DL	G18540.D	12/29/2012	14:12
GW-44538-121912-010 DL	480-30773-14 DL	G18541.D	12/29/2012	14:35
GW-44538-121912-010 MS	480-30773-14 MS	G18542.D	12/29/2012	14:57
GW-44538-121912-010 MSD	480-30773-14 MSD	G18543.D	12/29/2012	15:20

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: G18557.D BFB Injection Date: 12/30/2012

Instrument ID: HP5973G BFB Injection Time: 14:19

Analysis Batch No.: 97832

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.5	
75	30.0 - 60.0 % of mass 95	51.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.8	(1.1)1
174	50.0 - 120.00 % of mass 95	73.2	
175	5.0 - 9.0 % of mass 174	4.9	(6.7)1
176	95.0 - 101.0 % of mass 174	69.9	(95.6)1
177	5.0 - 9.0 % of mass 176	4.5	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-97832/2	G18558.D	12/30/2012	14:54
	CCV 480-97832/3	G18559.D	12/30/2012	15:16
	LCS 480-97832/4	G18560.D	12/30/2012	15:39
	MB 480-97832/5	G18561.D	12/30/2012	16:02
GW-44538-121912-005 DL	480-30773-5 DL	G18581.D	12/31/2012	00:27
GW-44538-121912-005 MS	480-30773-5 MS	G18582.D	12/31/2012	00:50
GW-44538-121912-005 MSD	480-30773-5 MSD	G18583.D	12/31/2012	01:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: S21537.D BFB Injection Date: 12/24/2012

Instrument ID: HP5973S BFB Injection Time: 10:22

Analysis Batch No.: 97278

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	47.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	84.0	
175	5.0 - 9.0 % of mass 174	6.8	(8.1)1
176	95.0 - 101.0 % of mass 174	83.1	(98.9)1
177	5.0 - 9.0 % of mass 176	5.1	(6.2)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 480-97278/3	S21539.D	12/24/2012	11:33
	IC 480-97278/4	S21540.D	12/24/2012	11:55
	IC 480-97278/5	S21541.D	12/24/2012	12:17
	ICIS 480-97278/6	S21542.D	12/24/2012	12:38
	IC 480-97278/7	S21543.D	12/24/2012	13:00
	IC 480-97278/8	S21544.D	12/24/2012	13:22
	IC 480-97278/14	S21550.D	12/24/2012	15:32
	IC 480-97278/15	S21551.D	12/24/2012	15:54
	IC 480-97278/16	S21552.D	12/24/2012	16:15
	IC 480-97278/17	S21553.D	12/24/2012	16:37
	IC 480-97278/18	S21554.D	12/24/2012	16:58
	IC 480-97278/19	S21555.D	12/24/2012	17:20

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: S21608.D BFB Injection Date: 12/28/2012

Instrument ID: HP5973S BFB Injection Time: 11:46

Analysis Batch No.: 97675

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	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	65.2	
175	5.0 - 9.0 % of mass 174	4.9	(7.5)1
176	95.0 - 101.0 % of mass 174	65.1	(99.9)1
177	5.0 - 9.0 % of mass 176	4.1	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-97675/2	S21609.D	12/28/2012	12:21
	CCV 480-97675/3	S21610.D	12/28/2012	12:59
	LCS 480-97675/4	S21611.D	12/28/2012	13:21
	MB 480-97675/5	S21612.D	12/28/2012	13:42
GW-44538-121912-001	480-30773-1	S21616.D	12/28/2012	15:18
GW-44538-121912-002	480-30773-2	S21617.D	12/28/2012	15:40
GW-44538-121912-003	480-30773-3	S21618.D	12/28/2012	16:02
GW-44538-121912-004	480-30773-4	S21619.D	12/28/2012	16:24
GW-44538-121912-005	480-30773-5	S21620.D	12/28/2012	16:45
GW-44538-121912-006	480-30773-6	S21621.D	12/28/2012	17:07
GW-44538-121912-007	480-30773-7	S21622.D	12/28/2012	17:29
GW-44538-121912-008	480-30773-8	S21623.D	12/28/2012	17:51
GW-44538-121912-011	480-30773-9	S21624.D	12/28/2012	18:13
GW-44538-121912-012	480-30773-10	S21625.D	12/28/2012	18:34
GW-44538-121912-013	480-30773-11	S21626.D	12/28/2012	18:56
GW-44538-121912-013 MS	480-30773-11 MS	S21627.D	12/28/2012	19:18
GW-44538-121912-013 MSD	480-30773-11 MSD	S21628.D	12/28/2012	19:40
GW-44538-121912-014	480-30773-12	S21629.D	12/28/2012	20:01
GW-44538-121912-009	480-30773-13	S21630.D	12/28/2012	20:22
GW-44538-121912-010	480-30773-14	S21631.D	12/28/2012	20:43
GW-44538-122012-015	480-30773-15	S21632.D	12/28/2012	21:05
GW-44538-122012-016	480-30773-16	S21633.D	12/28/2012	21:26
GW-44538-122012-017	480-30773-17	S21634.D	12/28/2012	21:47

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: ICIS 480-95471/6 Date Analyzed: 12/12/2012 18:38

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G17985.D Heated Purge: (Y/N) N

Calibration ID: 11598

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		534573	5.74	296727	8.63	251428	10.99
UPPER LIMIT		1069146	6.24	593454	9.13	502856	11.49
LOWER LIMIT		267287	5.24	148364	8.13	125714	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97793/2		509126	5.73	267823	8.63	239965	10.99
CCVIS 480-97832/2		491210	5.73	262430	8.62	243712	10.99

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: CCVIS 480-97793/2 Date Analyzed: 12/29/2012 10:19

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G18531.D Heated Purge: (Y/N) N

Calibration ID: 11609

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		509126	5.73	267823	8.63	239965	10.99
UPPER LIMIT		1018252	6.23	535646	9.13	479930	11.49
LOWER LIMIT		254563	5.23	133912	8.13	119983	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-97793/3		487676	5.74	256954	8.63	229982	10.99
LCS 480-97793/4		497694	5.74	260987	8.63	239965	10.99
MB 480-97793/5		485333	5.74	258409	8.63	220905	10.99
480-30773-6 DL	GW-44538-121912-006 DL	467966	5.74	248262	8.63	215084	10.99
480-30773-7 DL	GW-44538-121912-007 DL	468781	5.74	251004	8.63	222559	10.99
480-30773-8 DL	GW-44538-121912-008 DL	481552	5.74	250710	8.63	211154	10.99
480-30773-11 DL	GW-44538-121912-013 DL	473572	5.74	251485	8.63	225996	10.99
480-30773-14 DL	GW-44538-121912-010 DL	458900	5.74	245189	8.63	214770	10.99
480-30773-14 MS	GW-44538-121912-010 MS	452236	5.74	238457	8.63	209050	10.99
480-30773-14 MSD	GW-44538-121912-010 MSD	468029	5.74	243014	8.63	217686	10.99

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: CCVIS 480-97832/2 Date Analyzed: 12/30/2012 14:54

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G18558.D Heated Purge: (Y/N) N

Calibration ID: 11609

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		491210	5.73	262430	8.62	243712	10.99
UPPER LIMIT		982420	6.23	524860	9.12	487424	11.49
LOWER LIMIT		245605	5.23	131215	8.12	121856	10.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-97832/3		482471	5.74	250448	8.63	236140	10.99
LCS 480-97832/4		481298	5.74	258527	8.63	229811	10.99
MB 480-97832/5		483573	5.74	252382	8.63	213821	10.99
480-30773-5 DL	GW-44538-121912-005 DL	449106	5.74	238125	8.63	210378	10.99
480-30773-5 MS	GW-44538-121912-005 MS	443099	5.74	236741	8.63	220977	10.99
480-30773-5 MSD	GW-44538-121912-005 MSD	437032	5.74	234133	8.63	214436	10.99

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: ICIS 480-97278/6 Date Analyzed: 12/24/2012 12:38

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S21542.D Heated Purge: (Y/N) N

Calibration ID: 11762

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		808422	4.76	419915	6.96	373012	8.82
UPPER LIMIT		1616844	5.26	839830	7.46	746024	9.32
LOWER LIMIT		404211	4.26	209958	6.46	186506	8.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97675/2		771288	4.76	409074	6.96	344094	8.82

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

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: CCVIS 480-97675/2 Date Analyzed: 12/28/2012 12:21

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S21609.D Heated Purge: (Y/N) N

Calibration ID: 11765

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		771288	4.76	409074	6.96	344094	8.82
UPPER LIMIT		1542576	5.26	818148	7.46	688188	9.32
LOWER LIMIT		385644	4.26	204537	6.46	172047	8.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-97675/3		770027	4.76	413300	6.95	347507	8.82
LCS 480-97675/4		763175	4.76	398860	6.96	340896	8.82
MB 480-97675/5		765464	4.76	399559	6.96	330168	8.82
480-30773-1	GW-44538-121912-001	721141	4.76	377169	6.96	310610	8.82
480-30773-2	GW-44538-121912-002	726434	4.76	376677	6.96	311707	8.82
480-30773-3	GW-44538-121912-003	713575	4.76	372293	6.96	305422	8.82
480-30773-4	GW-44538-121912-004	714258	4.76	371517	6.96	299575	8.82
480-30773-5	GW-44538-121912-005	713366	4.76	374246	6.96	304029	8.82
480-30773-6	GW-44538-121912-006	704414	4.76	369552	6.96	300937	8.82
480-30773-7	GW-44538-121912-007	694359	4.76	362830	6.96	297098	8.82
480-30773-8	GW-44538-121912-008	691606	4.76	359418	6.95	293160	8.82
480-30773-9	GW-44538-121912-011	674719	4.76	353692	6.96	291683	8.82
480-30773-10	GW-44538-121912-012	677690	4.76	358792	6.96	287847	8.82
480-30773-11	GW-44538-121912-013	656771	4.76	355099	6.96	296879	8.81
480-30773-11 MS	GW-44538-121912-013 MS	683549	4.76	366451	6.96	307160	8.82
480-30773-11 MSD	GW-44538-121912-013 MSD	685464	4.76	366790	6.96	305401	8.82
480-30773-12	GW-44538-121912-014	604879	4.76	306266	6.96	235179	8.82
480-30773-13	GW-44538-121912-009	665578	4.76	346935	6.96	278525	8.82
480-30773-14	GW-44538-121912-010	661988	4.76	347211	6.96	285773	8.82
480-30773-15	GW-44538-122012-015	574747	4.76	291280	6.96	228329	8.82
480-30773-16	GW-44538-122012-016	652945	4.76	344525	6.96	275806	8.82
480-30773-17	GW-44538-122012-017	594650	4.76	304415	6.96	240377	8.82

DFB = 1,4-Difluorobenzene
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-001 | Lab Sample ID: 480-30773-1

Matrix: Ground Water | Lab File ID: S21616.D

Analysis Method: 8260B | Date Collected: 12/19/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 15:18

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	92		50	3.6
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	4.2	J	25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	Toluene	ND		25	2.6
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-001 | Lab Sample ID: 480-30773-1

Matrix: Ground Water | Lab File ID: S21616.D

Analysis Method: 8260B | Date Collected: 12/19/2012 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 15:18

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-001 Lab Sample ID: 480-30773-1

Matrix: Ground Water Lab File ID: S21616.D

Analysis Method: 8260B Date Collected: 12/19/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 15:18

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

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\HP5973S\20121228-17912.b\S21616.D
Lims ID: 480-30773-A-1 Client ID: GW-44538-121912-001
Inject. Date: 28-Dec-2012 15:18:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-1
Misc. Info.: 480-0017912-009 =480-0017912-009
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 97675 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:30:03 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:30:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	721141	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	377169	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.819	8.819	0.0	96	310610	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	136108	27.1	
$ 5 Toluene-d8 (Surr)	98	5.838	5.839	-0.001	94	800377	26.7	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	214678	23.0	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	93	151681	18.5	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.845	2.852	-0.007	54	8411	0.8430	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78	4.458	4.452	0.006	8	7315	0.2150	
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

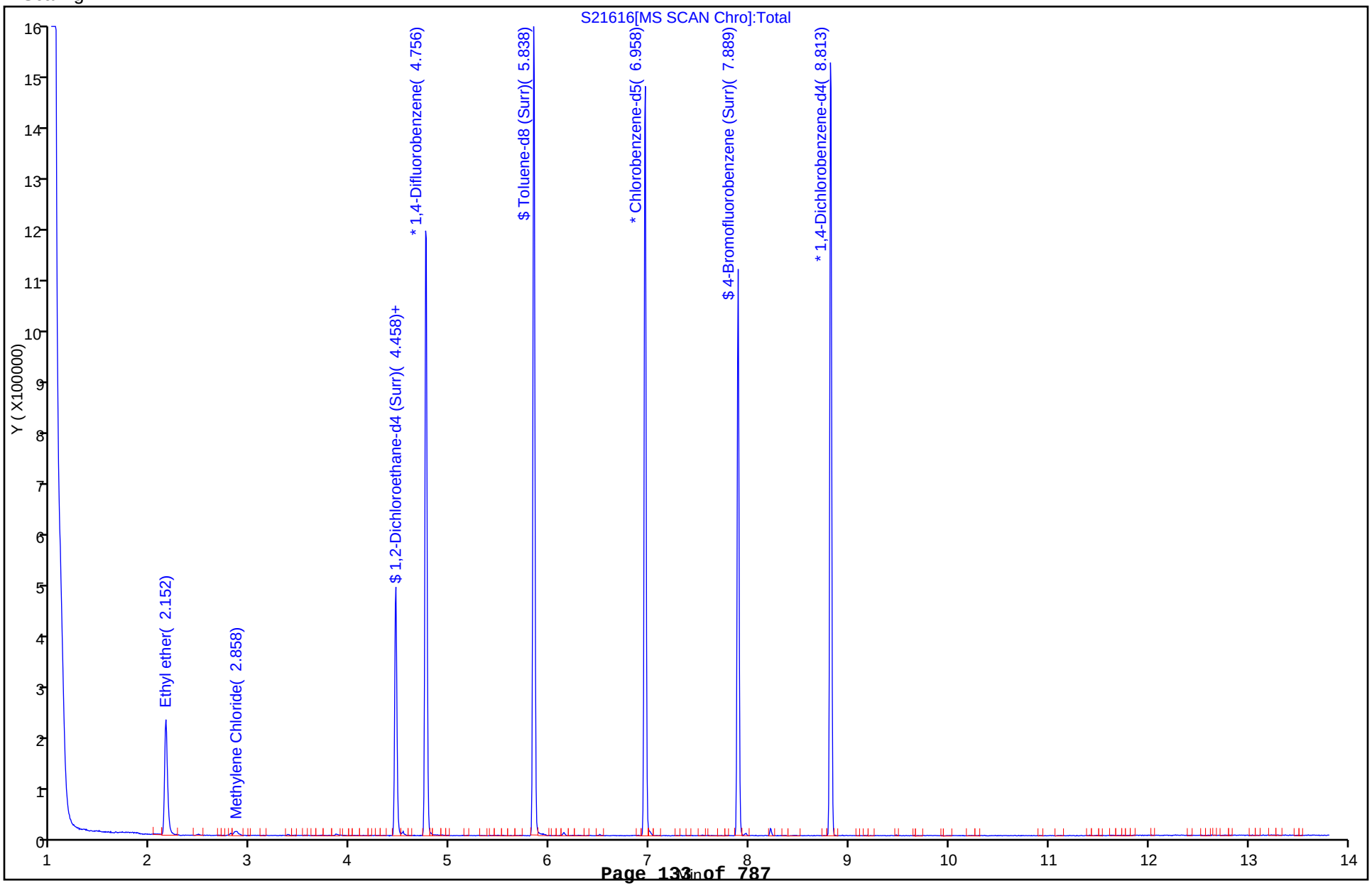
Report Date: 29-Dec-2012 13:30:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21616.D

Injection Date:	28-Dec-2012 15:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-001	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



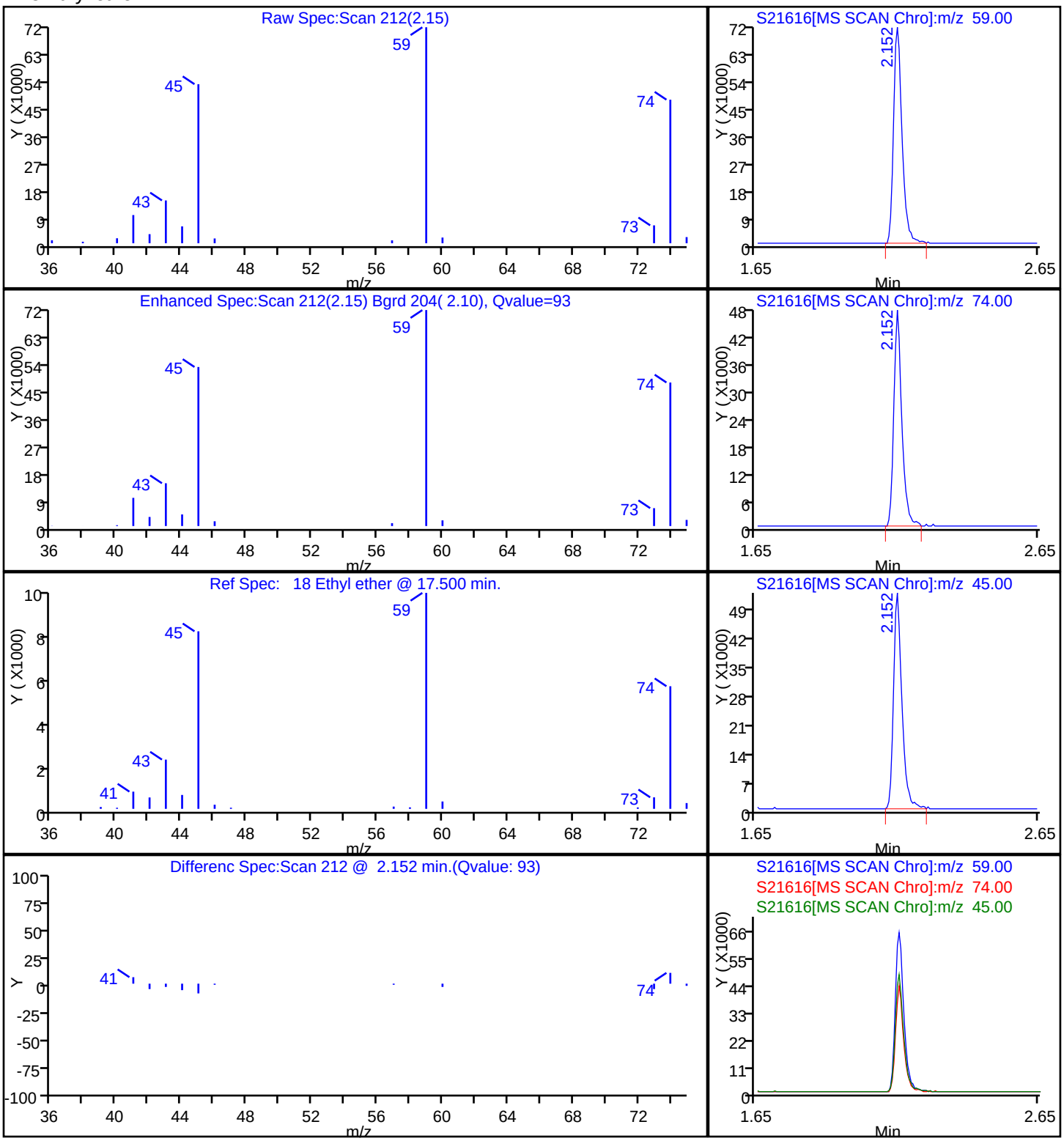
Report Date: 29-Dec-2012 13:30:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21616.D

Injection Date:	28-Dec-2012 15:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-001	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



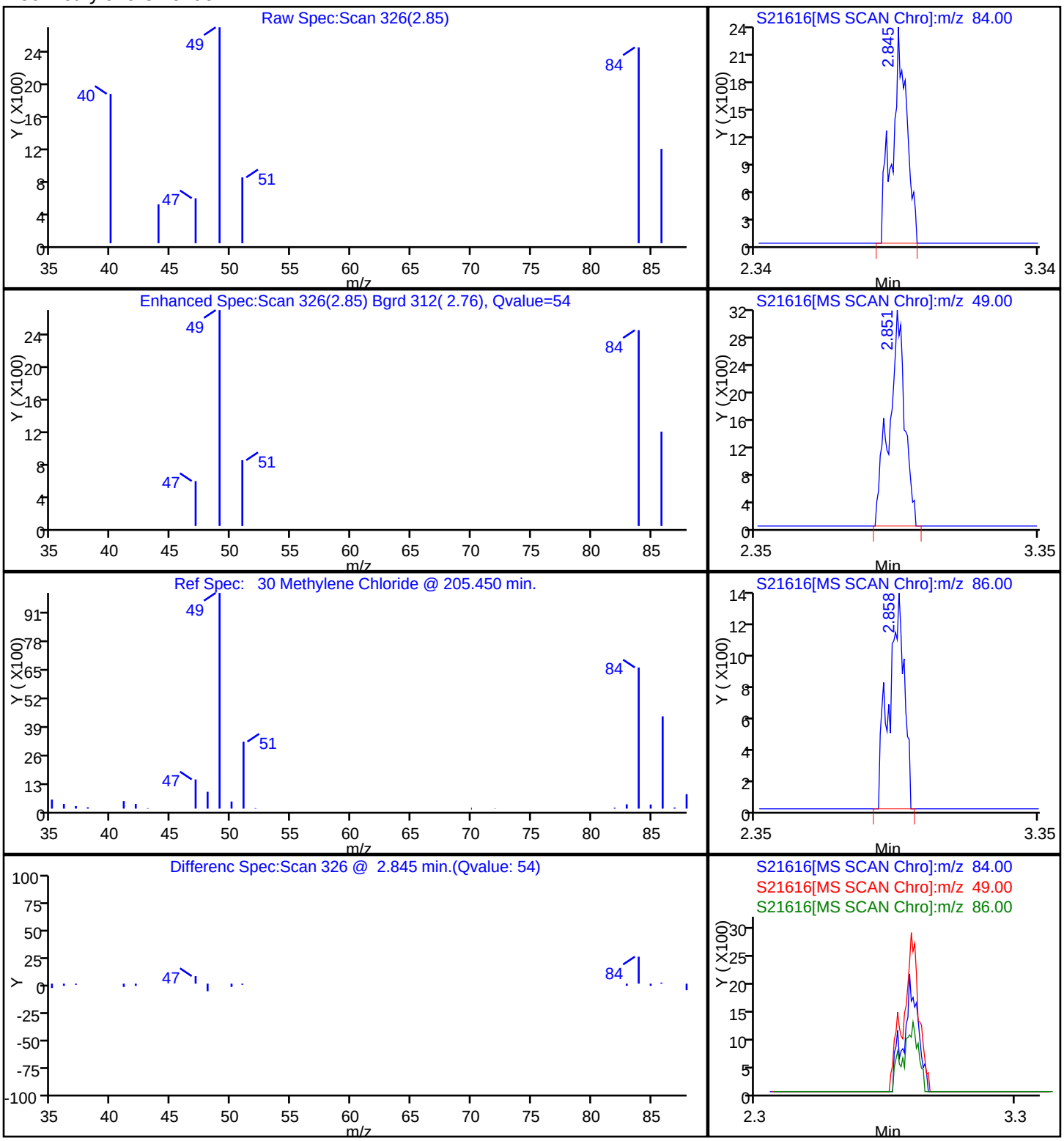
Report Date: 29-Dec-2012 13:30:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21616.D

Injection Date:	28-Dec-2012 15:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-001	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-002 | Lab Sample ID: 480-30773-2

Matrix: Water | Lab File ID: S21617.D

Analysis Method: 8260B | Date Collected: 12/19/2012 08:25

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 15:40

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	3.6	J	10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	0.22	J	5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	2.4	J	10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-002 Lab Sample ID: 480-30773-2

Matrix: Water Lab File ID: S21617.D

Analysis Method: 8260B Date Collected: 12/19/2012 08:25

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 15:40

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-002 | Lab Sample ID: 480-30773-2

Matrix: Water | Lab File ID: S21617.D

Analysis Method: 8260B | Date Collected: 12/19/2012 08:25

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 15:40

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 51

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.63	51	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21617.D
Lims ID: 480-30773-A-2 Client ID: GW-44538-121912-002
Inject. Date: 28-Dec-2012 15:40:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-A-2
Misc. Info.: 480-0017912-010 =480-0017912-010
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 97675 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:30:44 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:30:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	726434	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	376677	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	311707	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	136528	27.0	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	789476	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	213487	22.9	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					19
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	86	20160	2.44	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43	2.468	2.468	0.0	71	11716	3.55	
26 Carbon disulfide	76	2.578	2.560	0.018	10	3997	0.2170	
30 Methylene Chloride	84		2.852					19
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21617.D		
Lims ID:	480-30773-A-2	Client ID:	GW-44538-121912-002
Inject. Date:	28-Dec-2012 15:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-A-2		
Misc. Info.:	480-0017912-010 =480-0017912-010		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	13
Lims Batch ID:	97675	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:30:44	Calib Date:	24-Dec-2012 17:20:30
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Quant By:	Nearest ISTD	Quant LOD:	10.00000
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Min. Match:	25		
Process Host:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:30:43

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.633	6882	51.2	
Ethyl acetate	3.880	2877	0.2655	

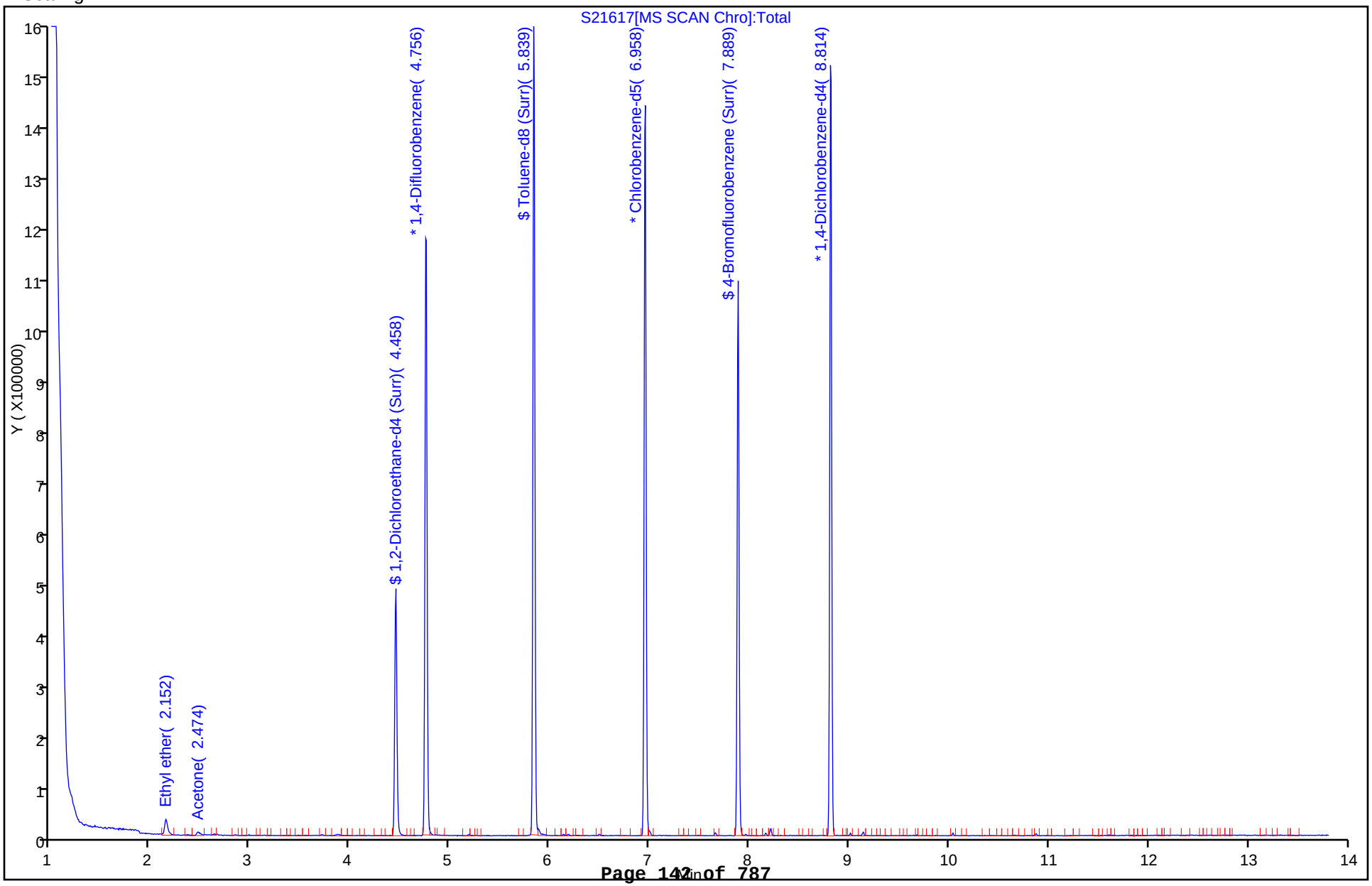
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21617.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-002	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



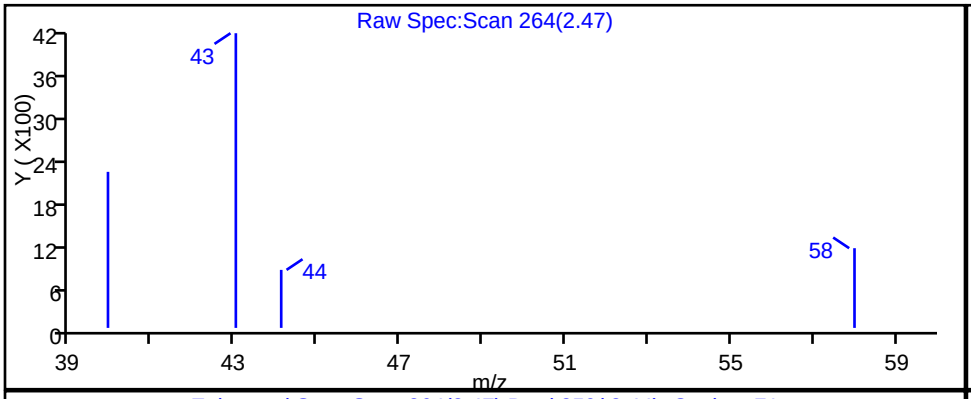
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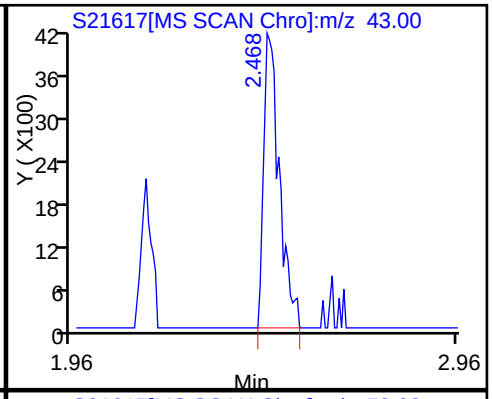
TestAmerica Buffalo

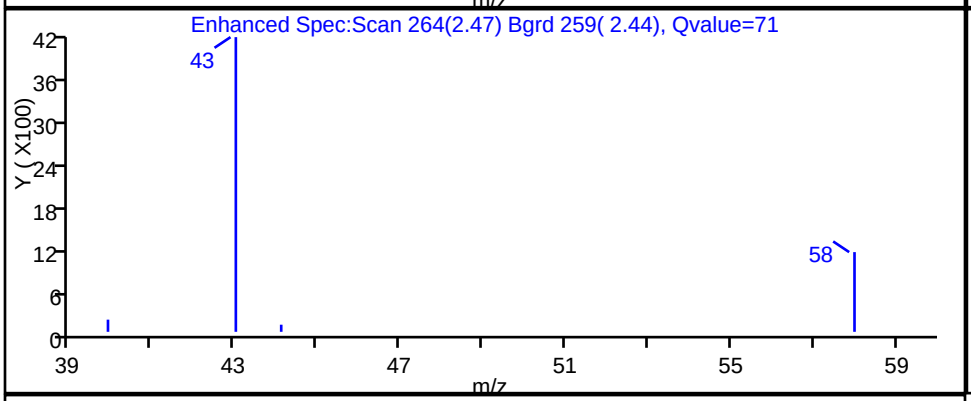
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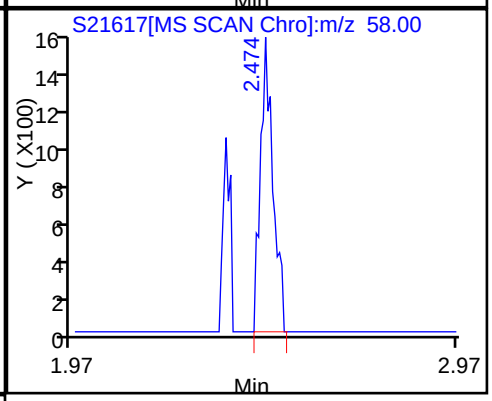
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Client ID:	GW-44538-121912-002	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

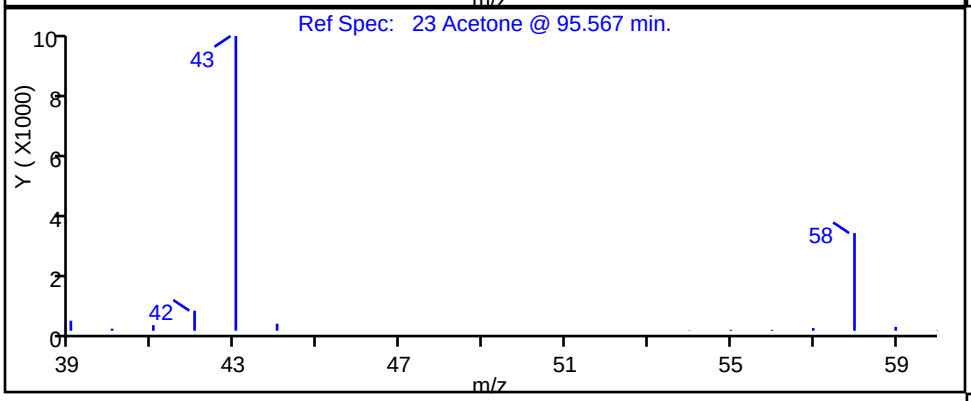
23 Acetone

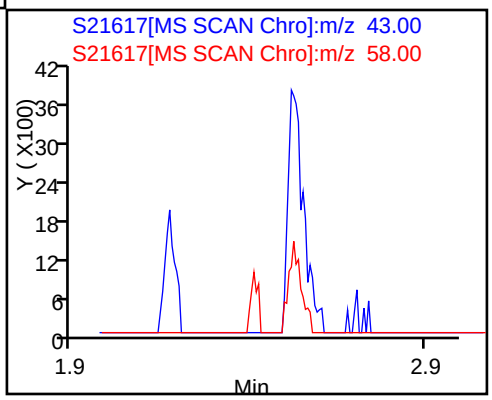












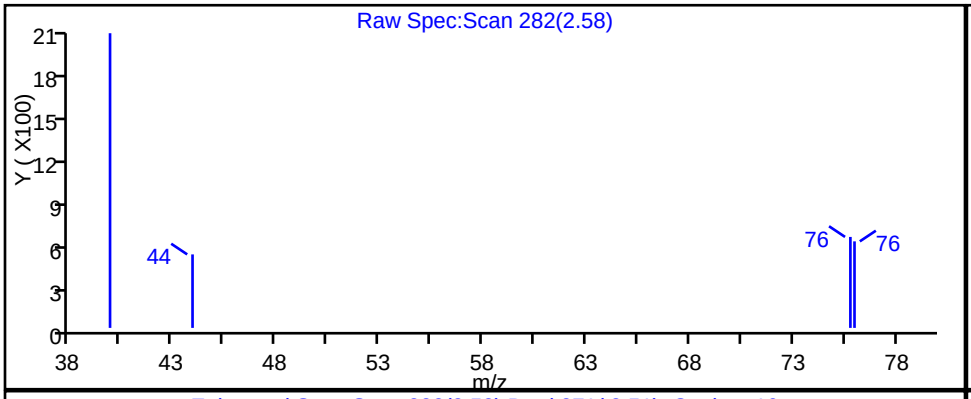
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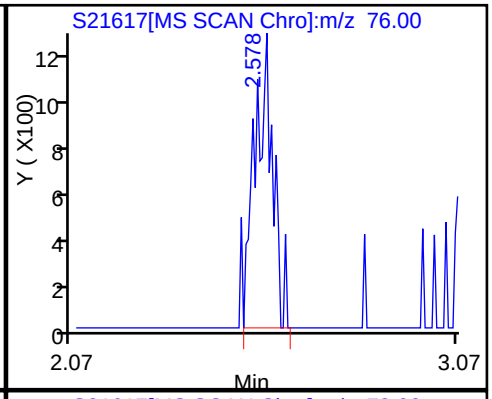
TestAmerica Buffalo

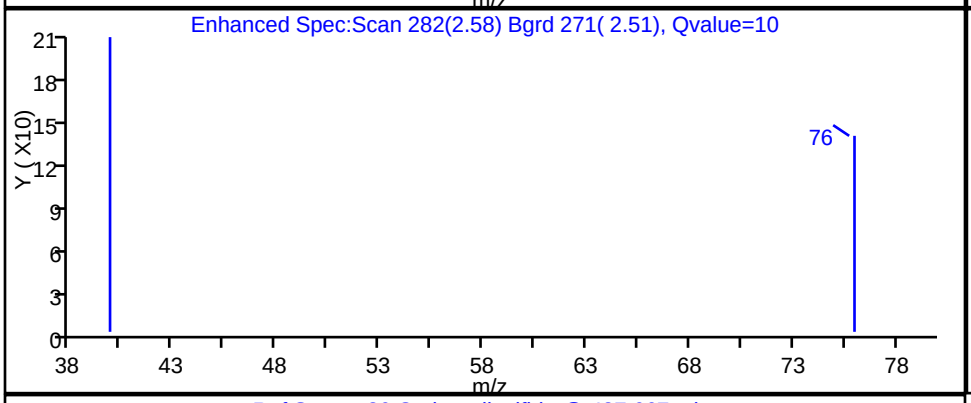
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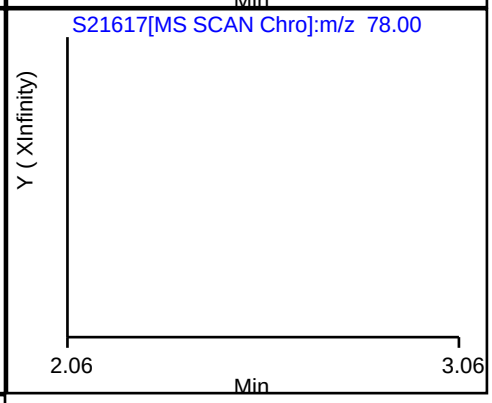
Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-002	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

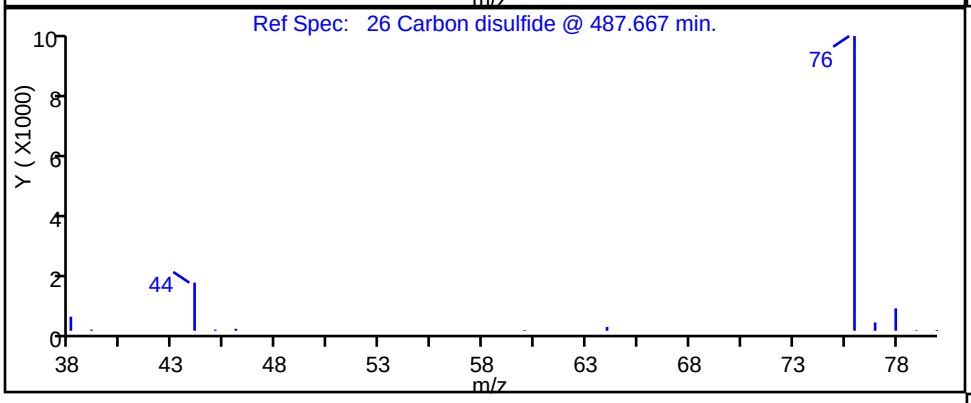
26 Carbon disulfide

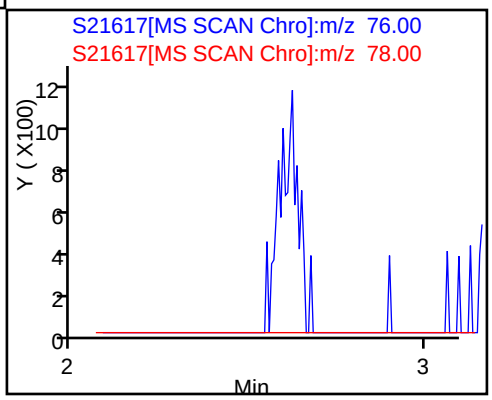












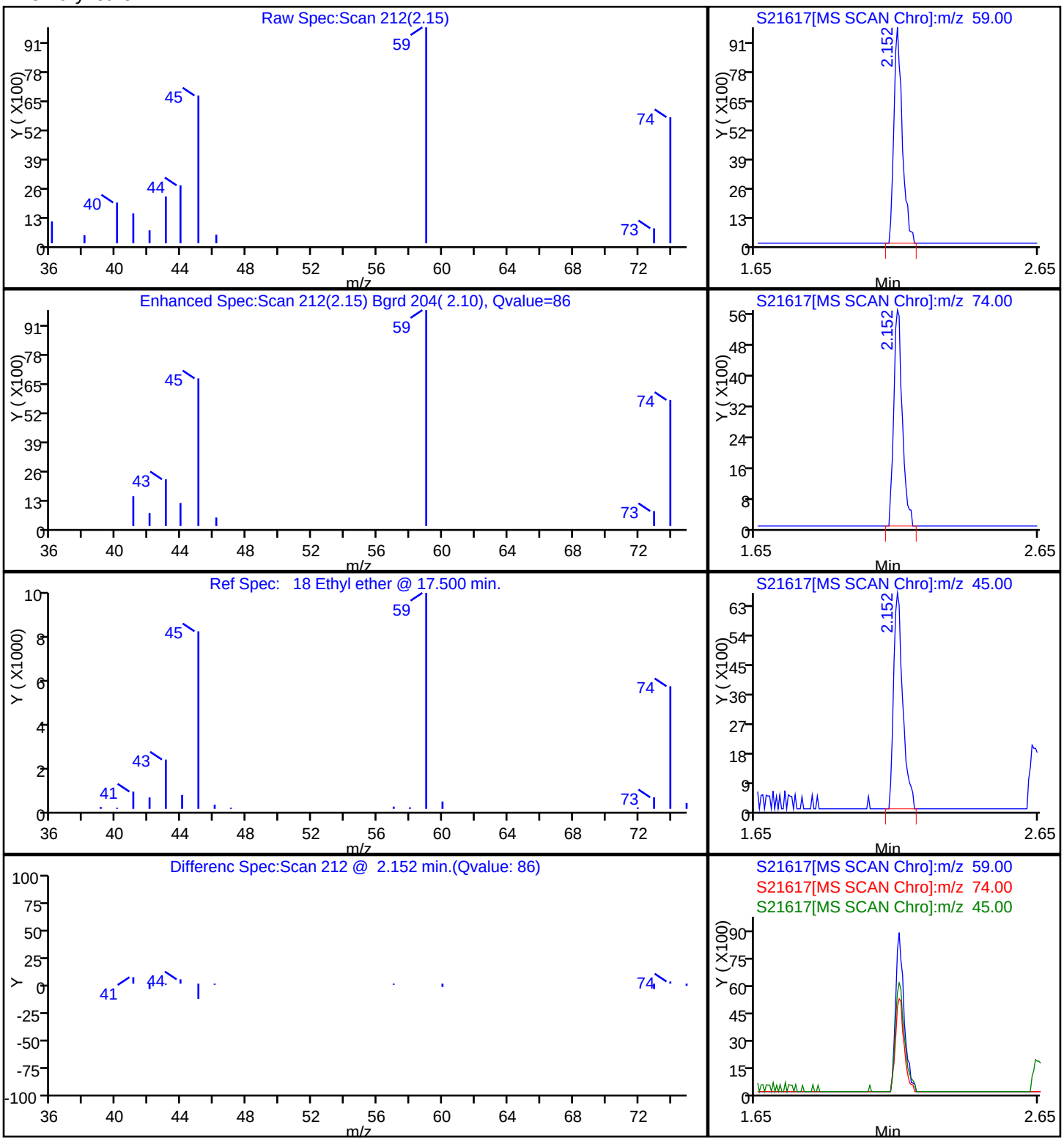
Report Date: 29-Dec-2012 13:30:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21617.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-002	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



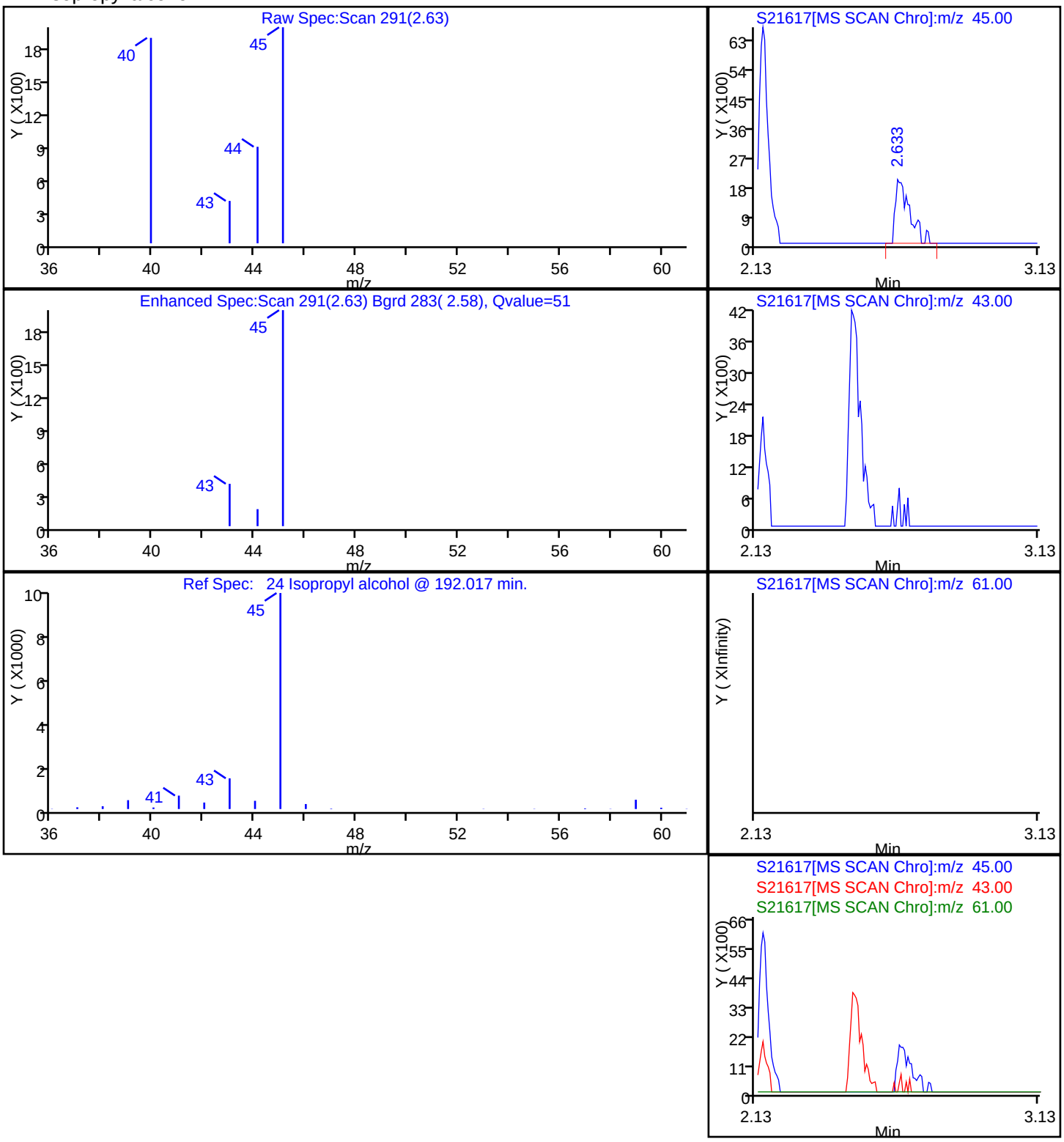
Report Date: 29-Dec-2012 13:30:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21617.D

Injection Date:	28-Dec-2012 15:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-002	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-003 | Lab Sample ID: 480-30773-3

Matrix: Water | Lab File ID: S21618.D

Analysis Method: 8260B | Date Collected: 12/19/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:02

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-003 Lab Sample ID: 480-30773-3

Matrix: Water Lab File ID: S21618.D

Analysis Method: 8260B Date Collected: 12/19/2012 09:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 16:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-003 | Lab Sample ID: 480-30773-3

Matrix: Water | Lab File ID: S21618.D

Analysis Method: 8260B | Date Collected: 12/19/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:02

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 47

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.65	47	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21618.D		
Lims ID:	480-30773-A-3	Client ID:	GW-44538-121912-003
Inject. Date:	28-Dec-2012 16:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-A-3		
Misc. Info.:	480-0017912-011 =480-0017912-011		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	14
Lims Batch ID:	97675	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:31:35	Calib Date:	24-Dec-2012 17:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:31:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	713575	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	372293	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	305422	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	133694	26.9	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	777514	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	209313	22.7	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

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\HP5973S\20121228-17912.b\S21618.D		
Lims ID:	480-30773-A-3	Client ID:	GW-44538-121912-003
Inject. Date:	28-Dec-2012 16:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-A-3		
Misc. Info.:	480-0017912-011 =480-0017912-011		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	14
Lims Batch ID:	97675	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:31:35	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:31:35

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.645	1995	46.6	
Ethyl acetate	3.880	2339	0.2197	

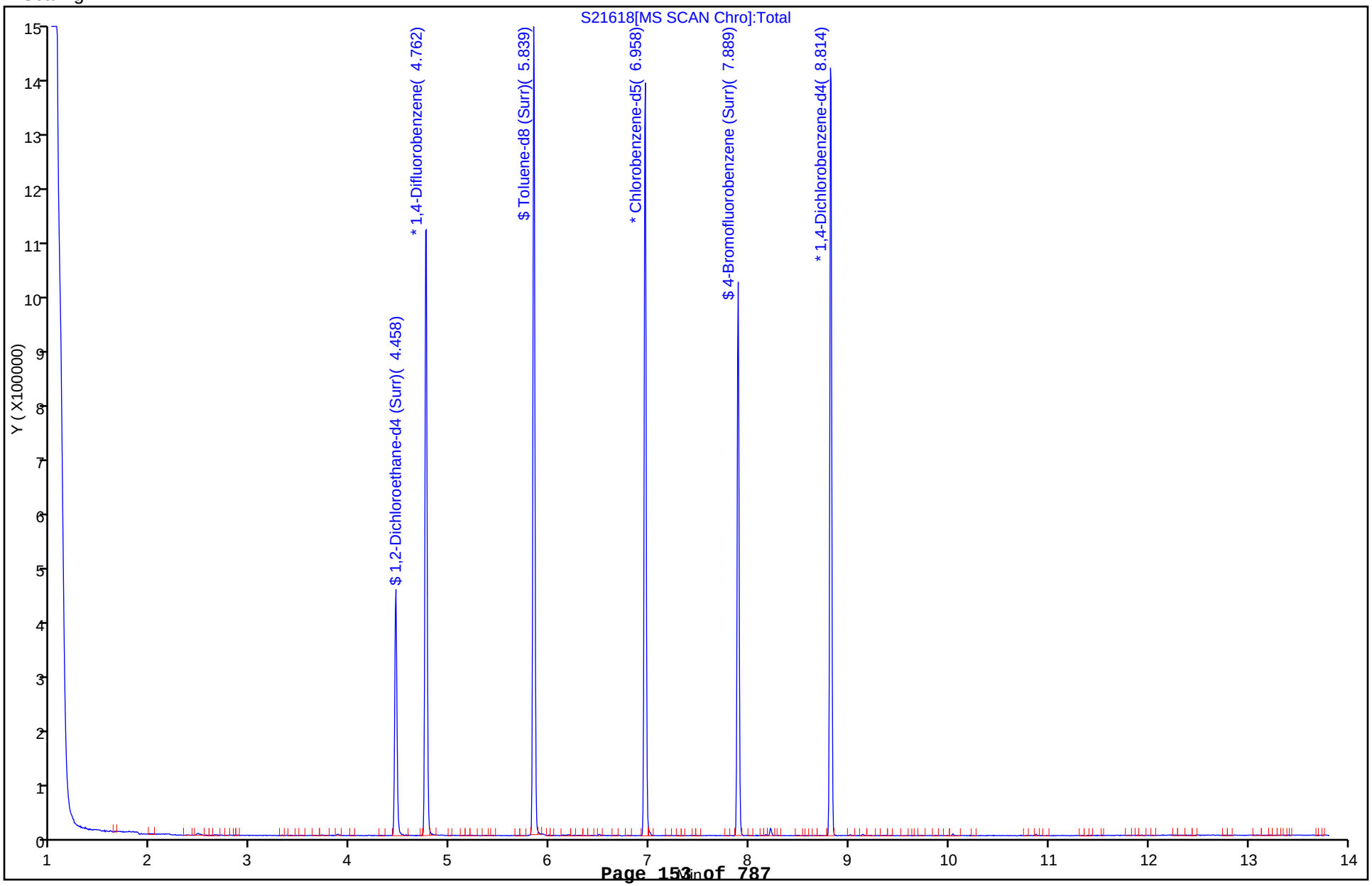
Report Date: 29-Dec-2012 13:31:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21618.D

Injection Date:	28-Dec-2012 16:02:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-003	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	11
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



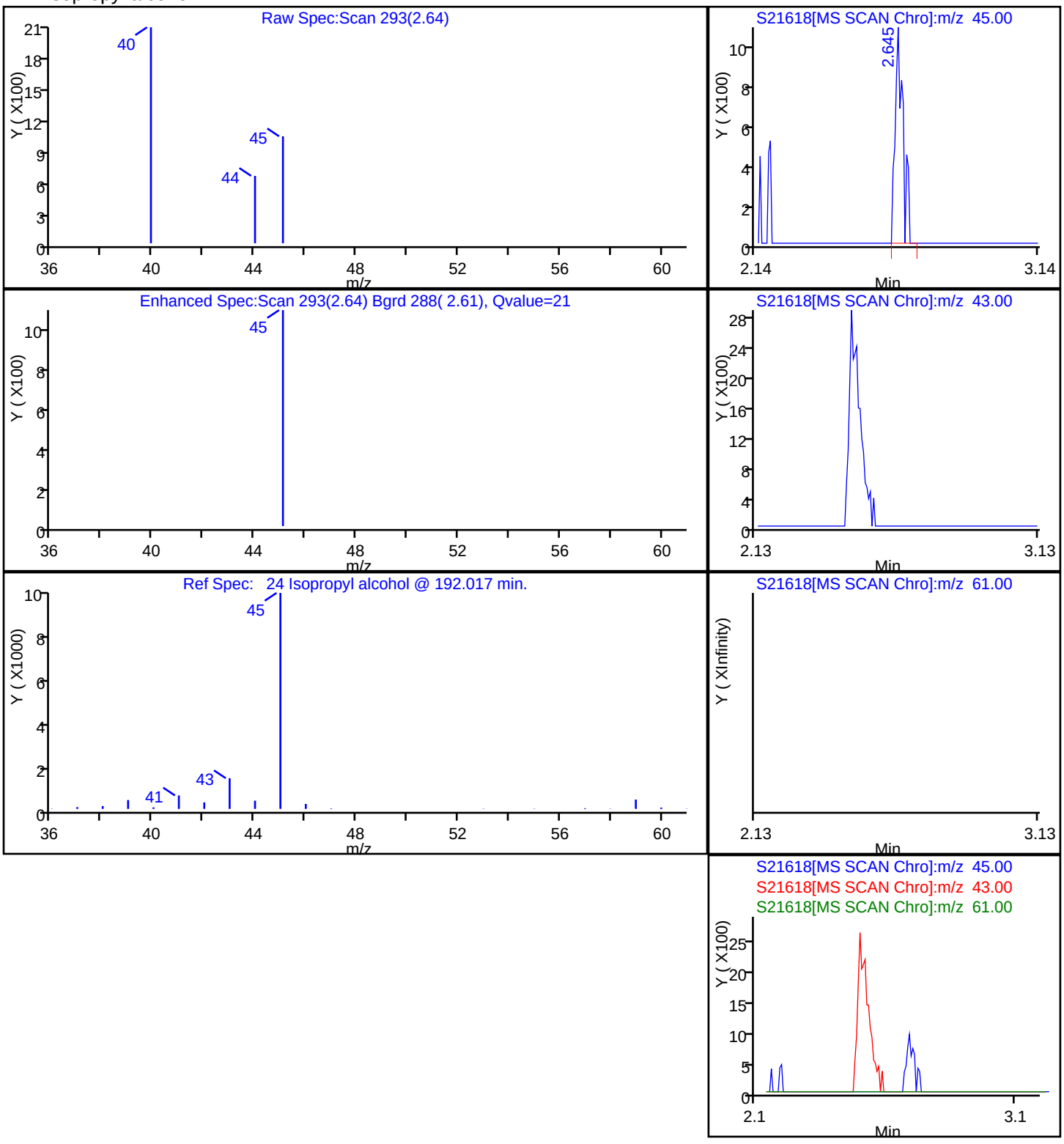
Report Date: 29-Dec-2012 13:31:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21618.D

Injection Date:	28-Dec-2012 16:02:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-003	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	11
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-004 | Lab Sample ID: 480-30773-4

Matrix: Water | Lab File ID: S21619.D

Analysis Method: 8260B | Date Collected: 12/19/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:24

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	470		50	3.6
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	2.5	J	25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	Toluene	ND		25	2.6
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-004 Lab Sample ID: 480-30773-4

Matrix: Water Lab File ID: S21619.D

Analysis Method: 8260B Date Collected: 12/19/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 16:24

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-004 | Lab Sample ID: 480-30773-4

Matrix: Water | Lab File ID: S21619.D

Analysis Method: 8260B | Date Collected: 12/19/2012 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:24

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 3 | TIC Result Total: 24.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-71-8	Dichlorodifluoromethane	1.16	9.1	
75-45-6	Chlorodifluoromethane	1.19	13	
75-43-4	Dichlorofluoromethane	1.92	2.0	J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21619.D
Lims ID: 480-30773-A-4 Client ID: GW-44538-121912-004
Inject. Date: 28-Dec-2012 16:24:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-4
Misc. Info.: 480-0017912-012 =480-0017912-012
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 15
Lims Batch ID: 97675 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:31:35 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:32:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	714258	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	371517	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	299575	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	131103	26.4	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	773236	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	204800	22.3	
12 Chloromethane	50		1.288					19
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	93	763578	93.9	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.852	2.852	0.0	43	5032	0.5092	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					19
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

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\HP5973S\20121228-17912.b\S21619.D		
Lims ID:	480-30773-A-4	Client ID:	GW-44538-121912-004
Inject. Date:	28-Dec-2012 16:24:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-30773-A-4		
Misc. Info.:	480-0017912-012 =480-0017912-012		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	15
Lims Batch ID:	97675	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:31:35	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:32:07

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Dichlorodifluoromethane	1.160	11984	1.83	
Chlorodifluoromethane	1.191	13308	2.68	
Dichlorofluoromethane	1.921	4660	0.3978	
Ethyl acetate	3.910	2249	0.2111	

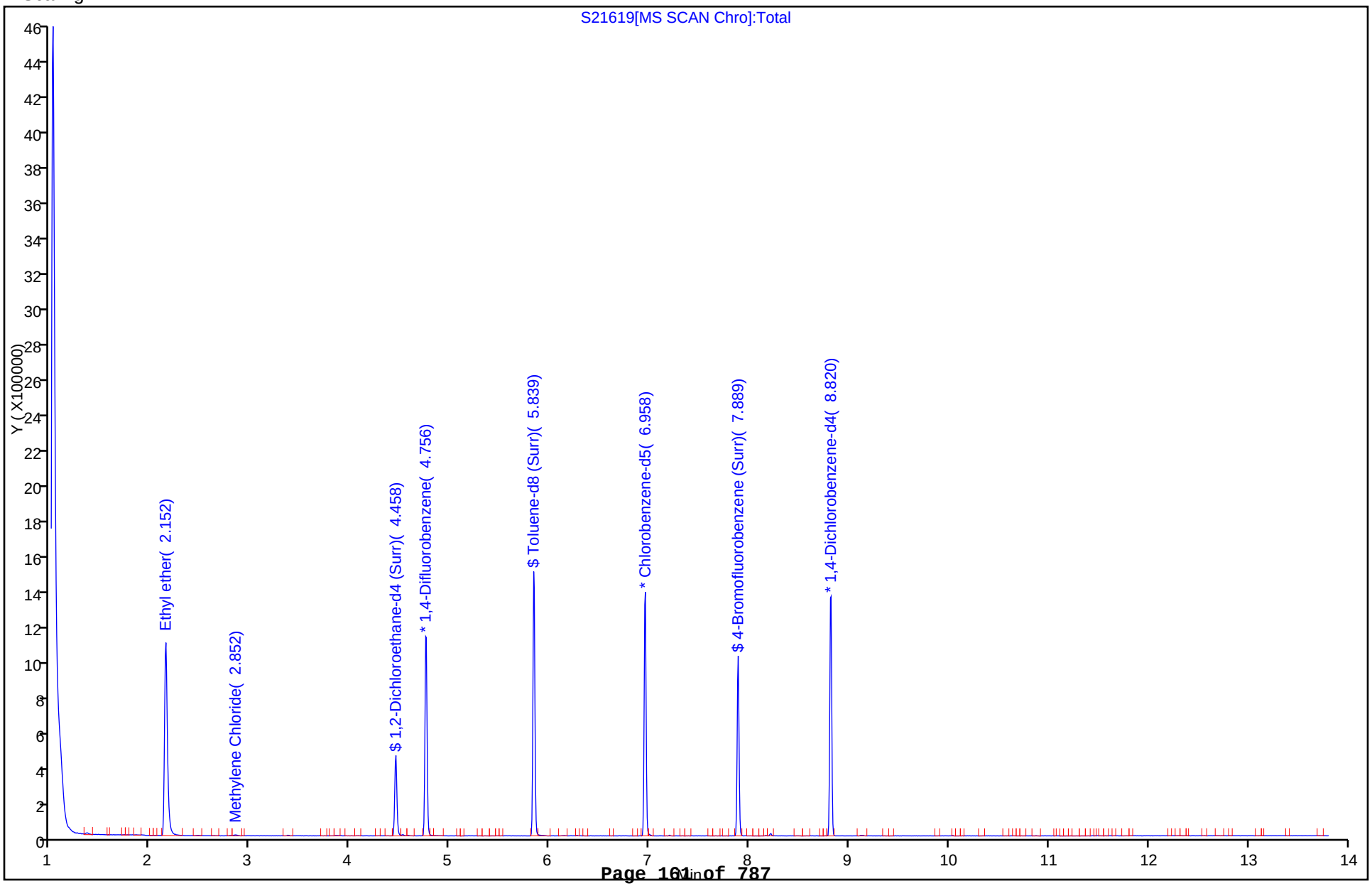
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21619.D

Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



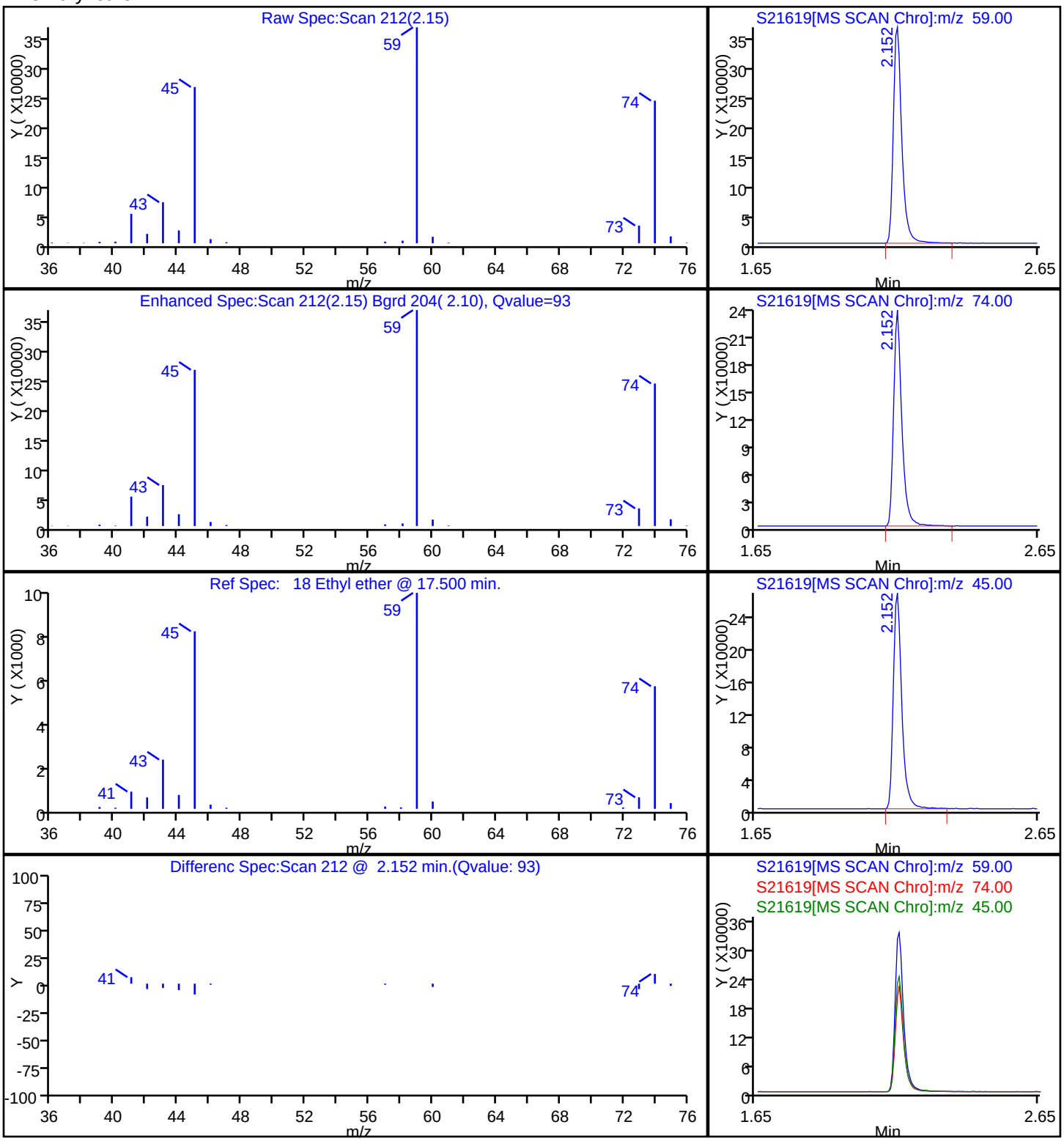
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21619.D

Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



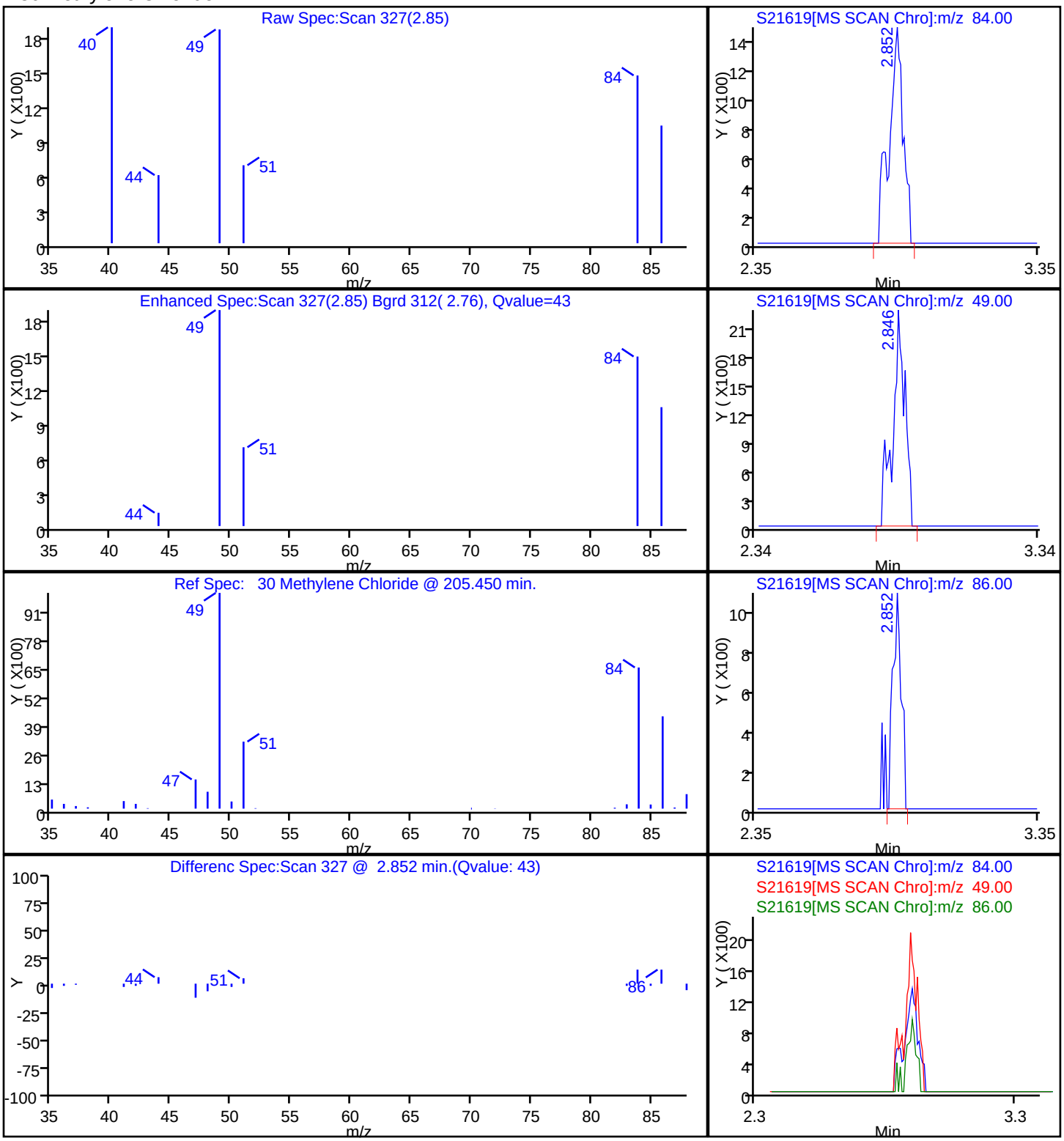
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21619.D

Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



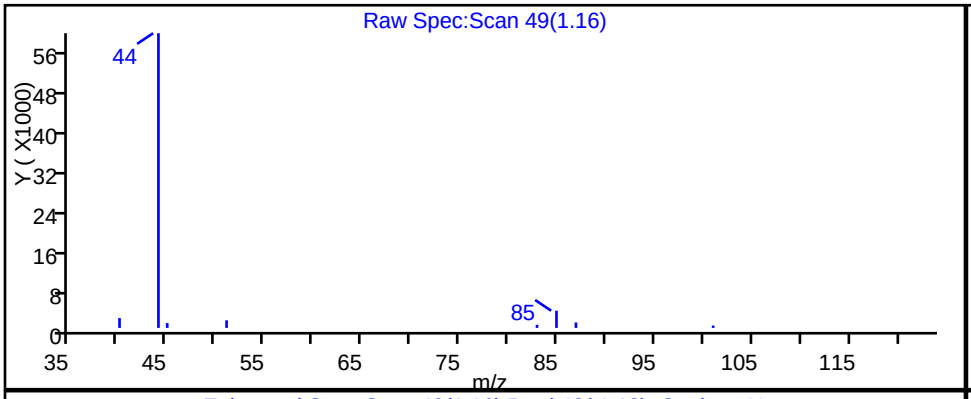
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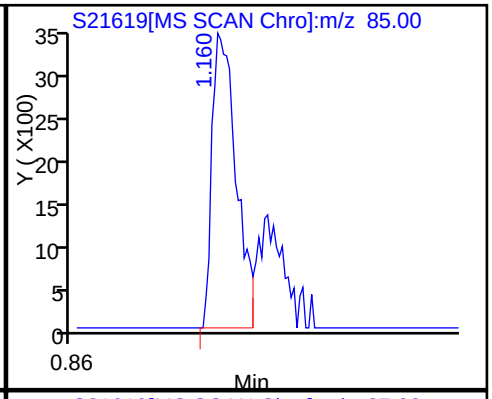
TestAmerica Buffalo

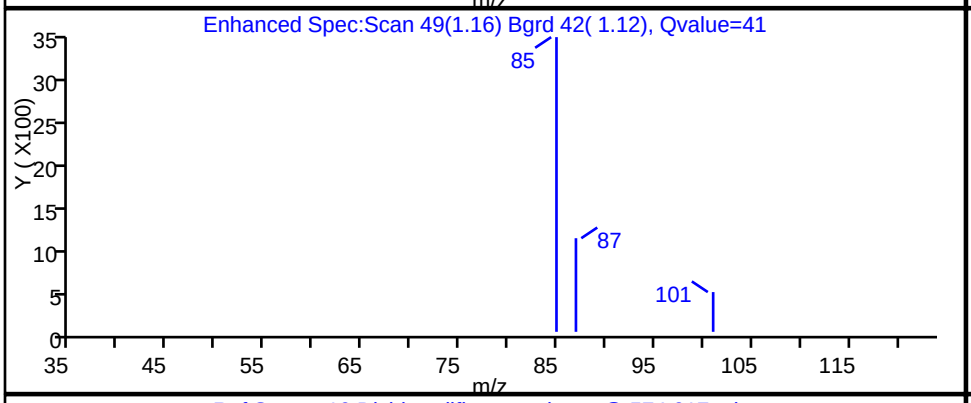
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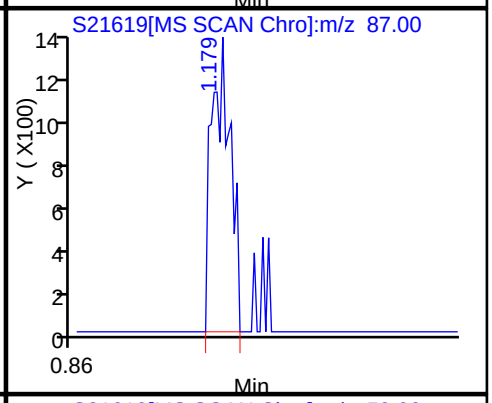
Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

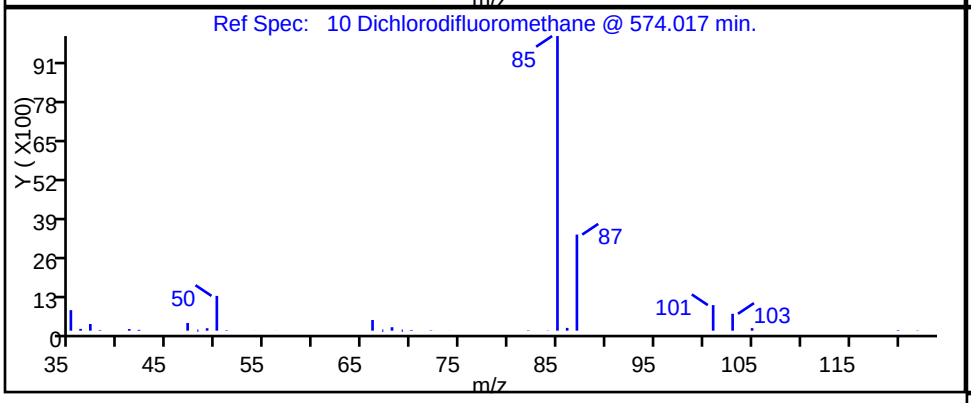
10 Dichlorodifluoromethane

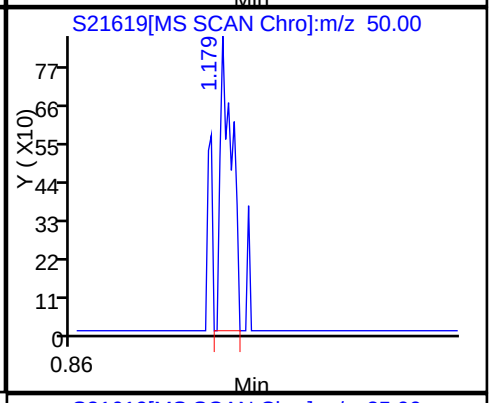


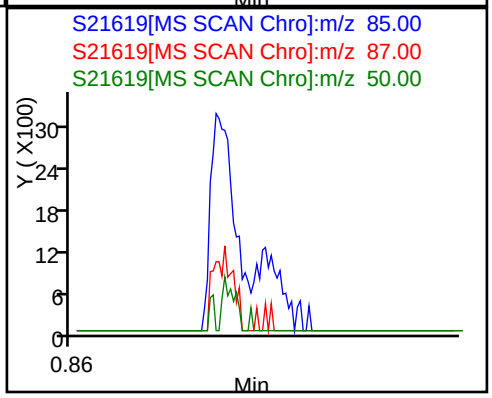












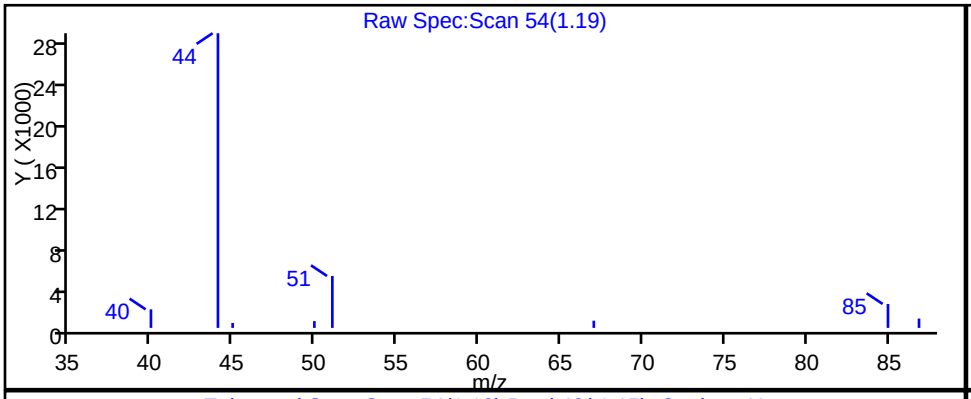
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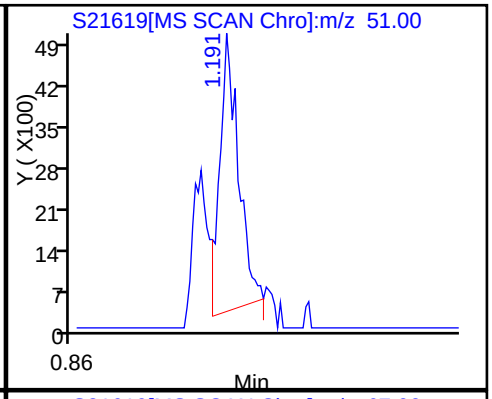
TestAmerica Buffalo

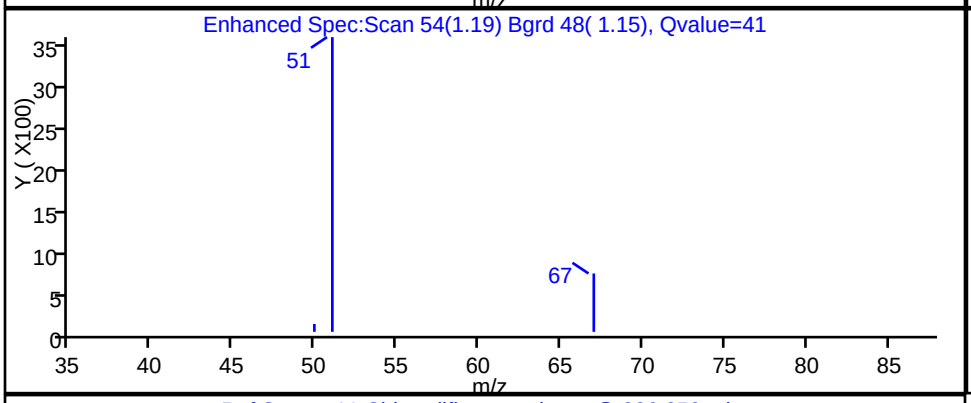
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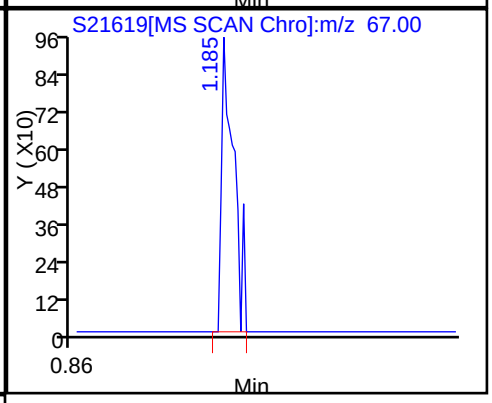
Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

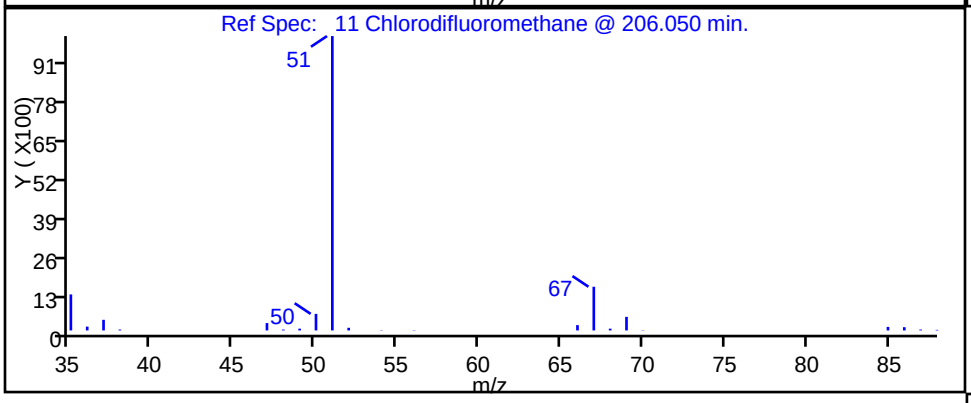
11 Chlorodifluoromethane

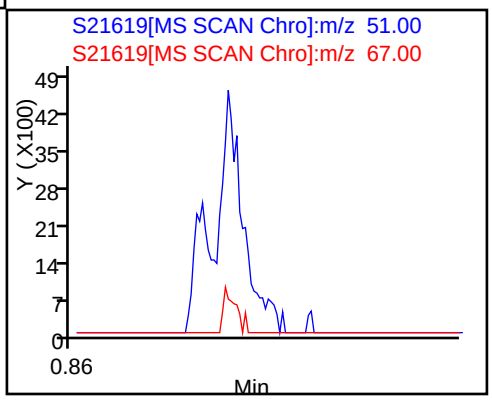












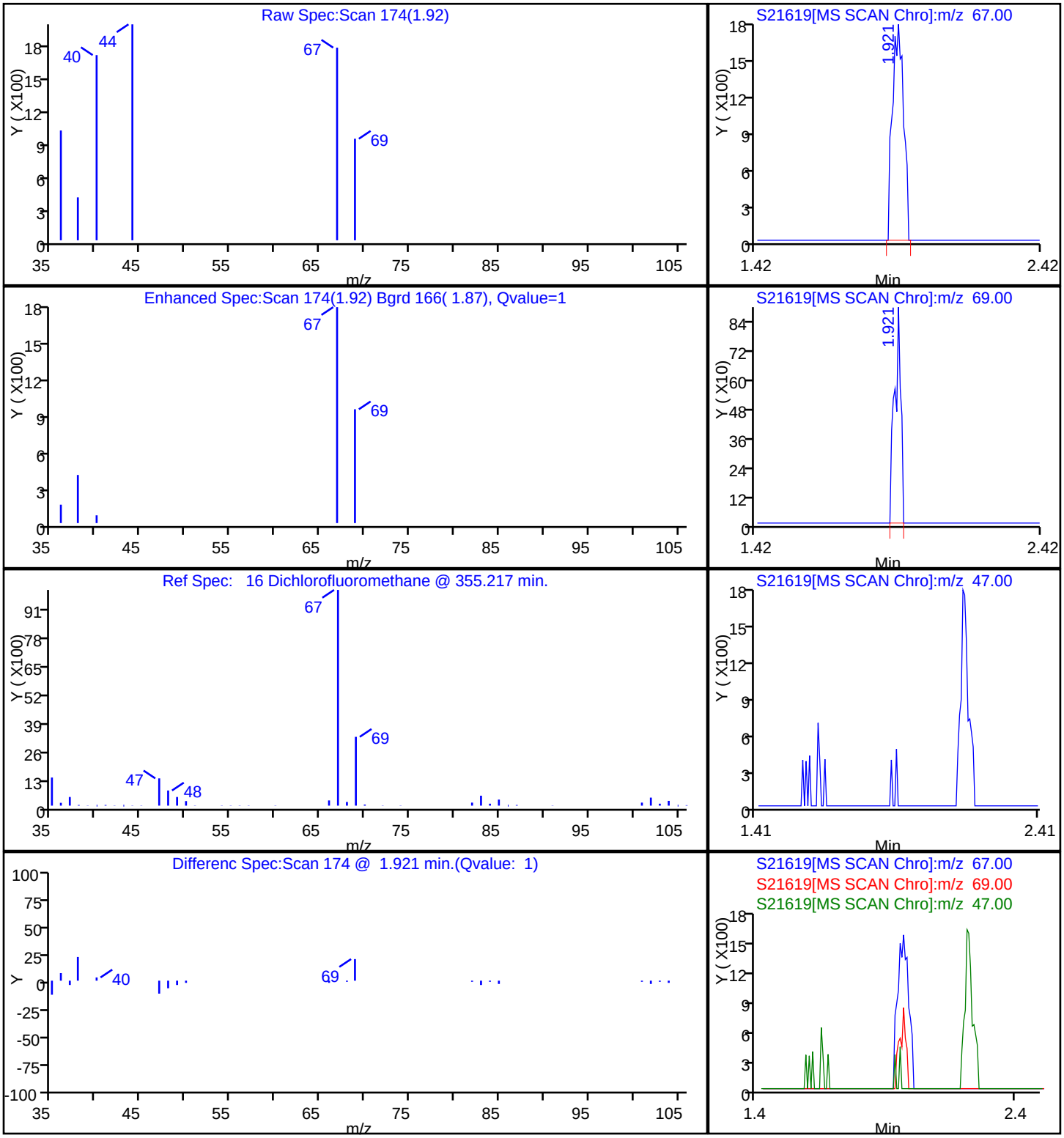
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21619.D

Injection Date:	28-Dec-2012 16:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-004	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

16 Dichlorofluoromethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 | Lab Sample ID: 480-30773-5

Matrix: Water | Lab File ID: S21620.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:45

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	0.19	J	5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	*Ethyl ether*	*1300*	*E*	*10*	*0.72*
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	4.8	J	5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 Lab Sample ID: 480-30773-5

Matrix: Water Lab File ID: S21620.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 16:45

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	107		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 | Lab Sample ID: 480-30773-5

Matrix: Water | Lab File ID: S21620.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 16:45

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 8 | TIC Result Total: 121.82

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-45-6	Chlorodifluoromethane	1.20	11	
75-43-4	Dichlorofluoromethane	1.92	1.1	
67-63-0	Isopropyl alcohol	2.63	67	
75-65-0	2-Methyl-2-propanol	2.97	34	
1634-04-4	Methyl tert-butyl ether	2.99	0.62	J
108-20-3	Isopropyl ether	3.38	3.0	
141-78-6	Ethyl acetate	3.90	1.7	
462-95-3	Methane, diethoxy-	4.52	3.4	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D
Lims ID: 480-30773-A-5 Client ID: GW-44538-121912-005
Inject. Date: 28-Dec-2012 16:45:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-A-5
Misc. Info.: 480-0017912-013 =480-0017912-013
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 16
Lims Batch ID: 97675 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:33:21 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:33:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	713366	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	86	374246	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.819	8.819	0.0	96	304029	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	135584	27.3	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	792804	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	210383	22.7	
12 Chloromethane	50		1.288					19
13 Vinyl chloride	62		1.398					19
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.146	2.152	-0.006	91	10651107	1311.5	E
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					
26 Carbon disulfide	76	2.553	2.560	-0.007	59	3436	0.1900	
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					19
74 Toluene	92	5.893	5.887	0.006	81	103068	4.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					19
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D		
Lims ID:	480-30773-A-5	Client ID:	GW-44538-121912-005
Inject. Date:	28-Dec-2012 16:45:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-A-5		
Misc. Info.:	480-0017912-013 =480-0017912-013		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	16
Lims Batch ID:	97675	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:33:21	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:33:21

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.197	73759	11.1	
Dichlorofluoromethane	1.921	12956	1.11	
Isopropyl alcohol	2.632	22779	66.6	
2-Methyl-2-propanol	2.967	40473	33.7	
Methyl tert-butyl ether	2.991	15234	0.6239	
Isopropyl ether	3.375	92768	2.95	
Ethyl acetate	3.898	18423	1.73	

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
462-95-3 Methane, diethoxy-						
4.524	228967	3.41	1	90	108343	

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 1 1,4-Difluorobenzene	4.762	1681105	25.0

QC Flag Legend

Processing Flags

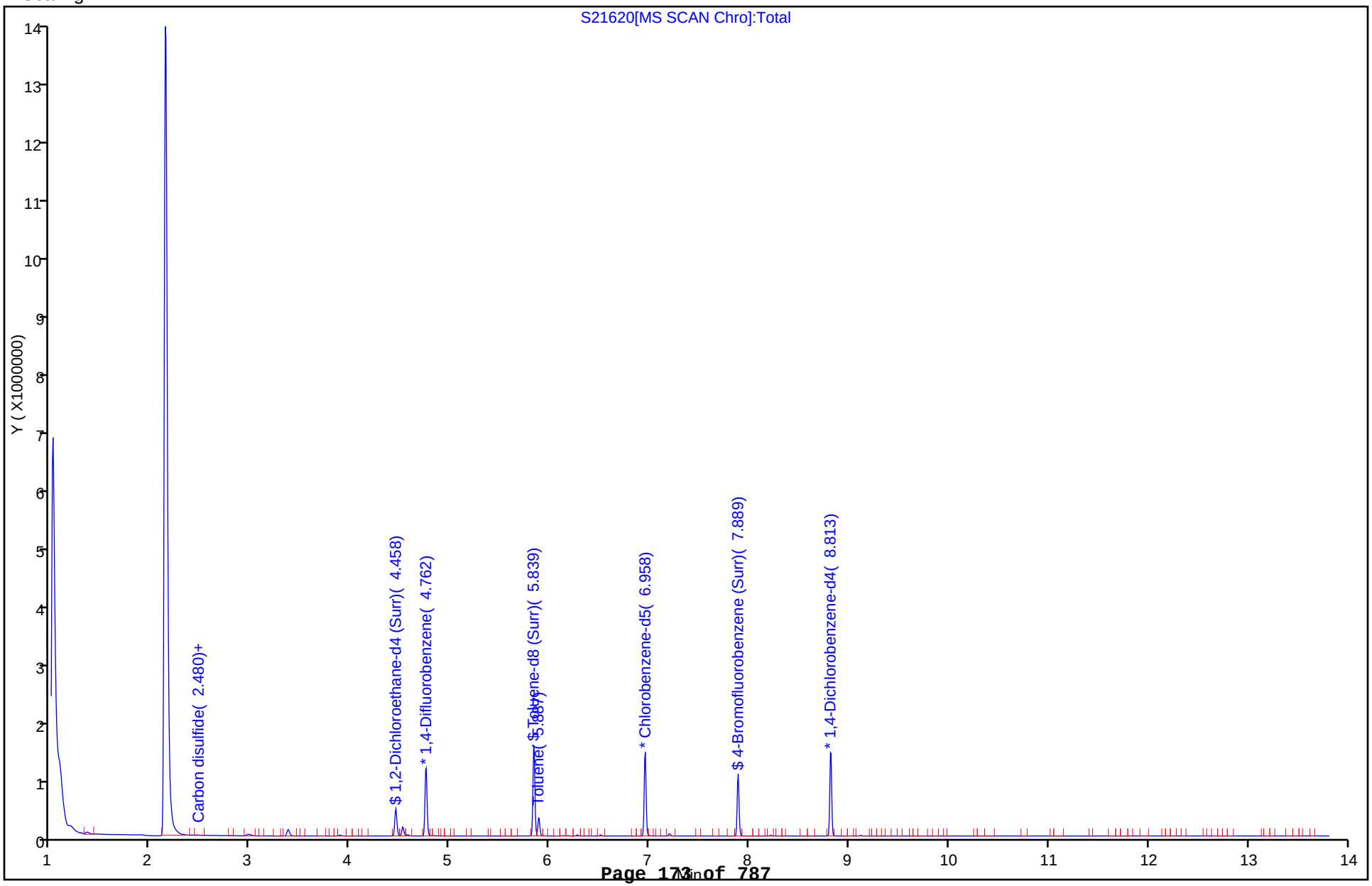
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



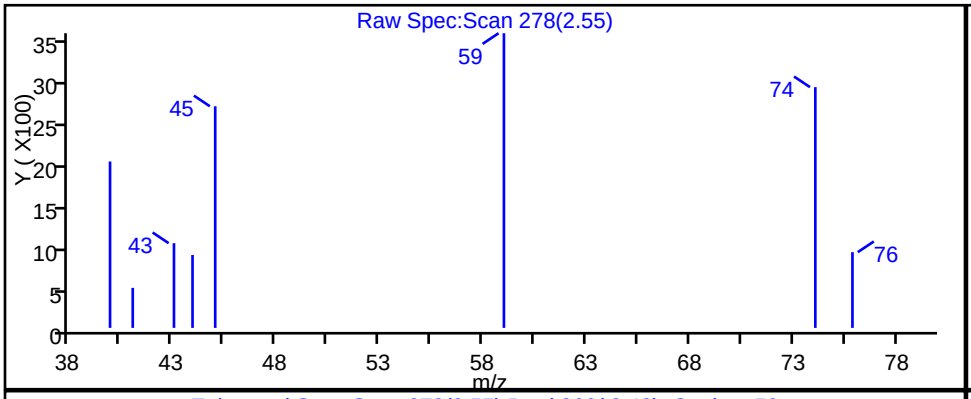
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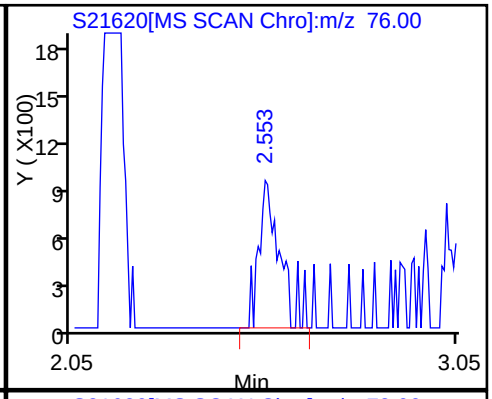
TestAmerica Buffalo

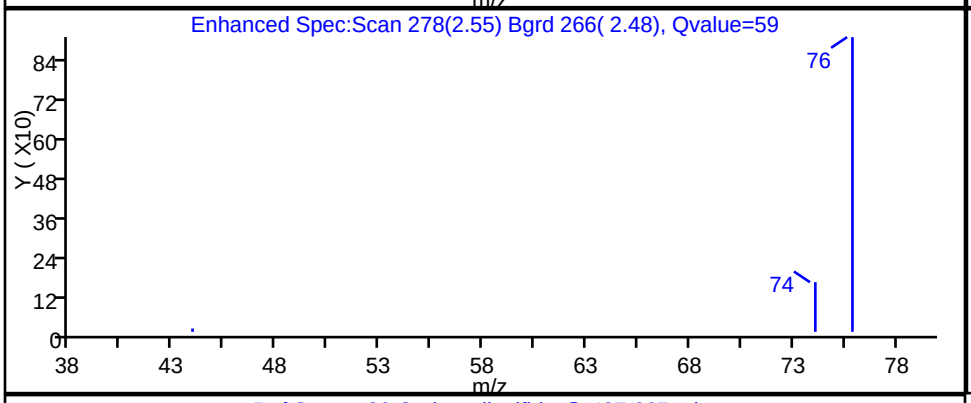
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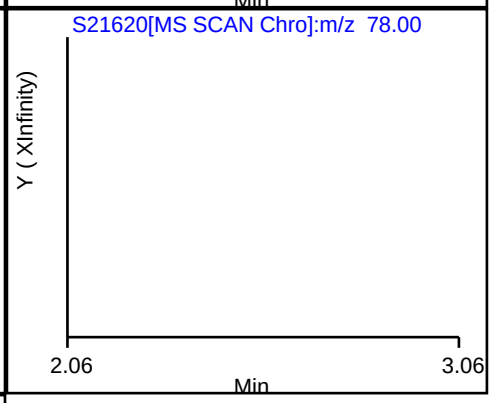
Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

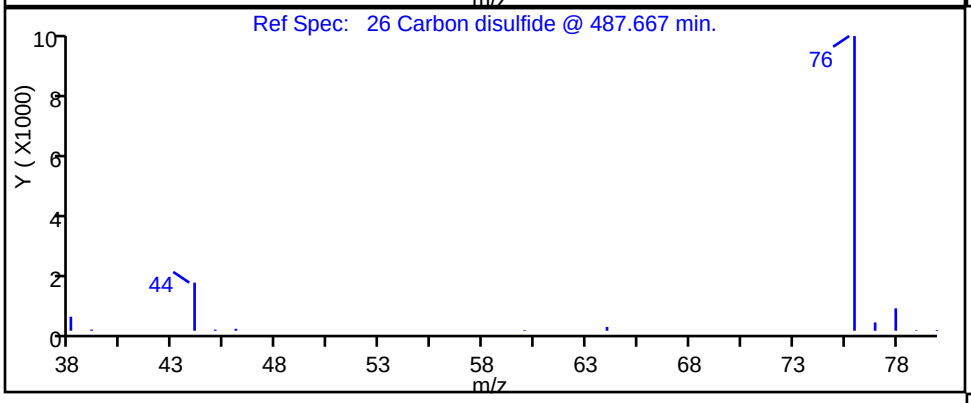
26 Carbon disulfide

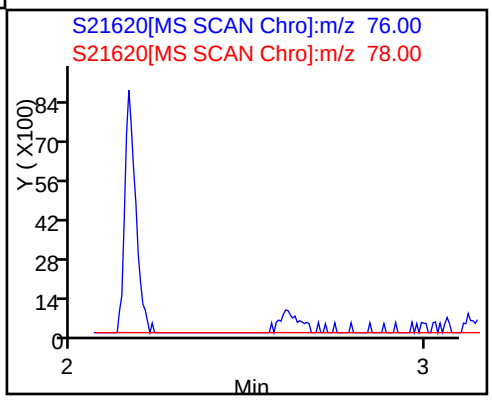












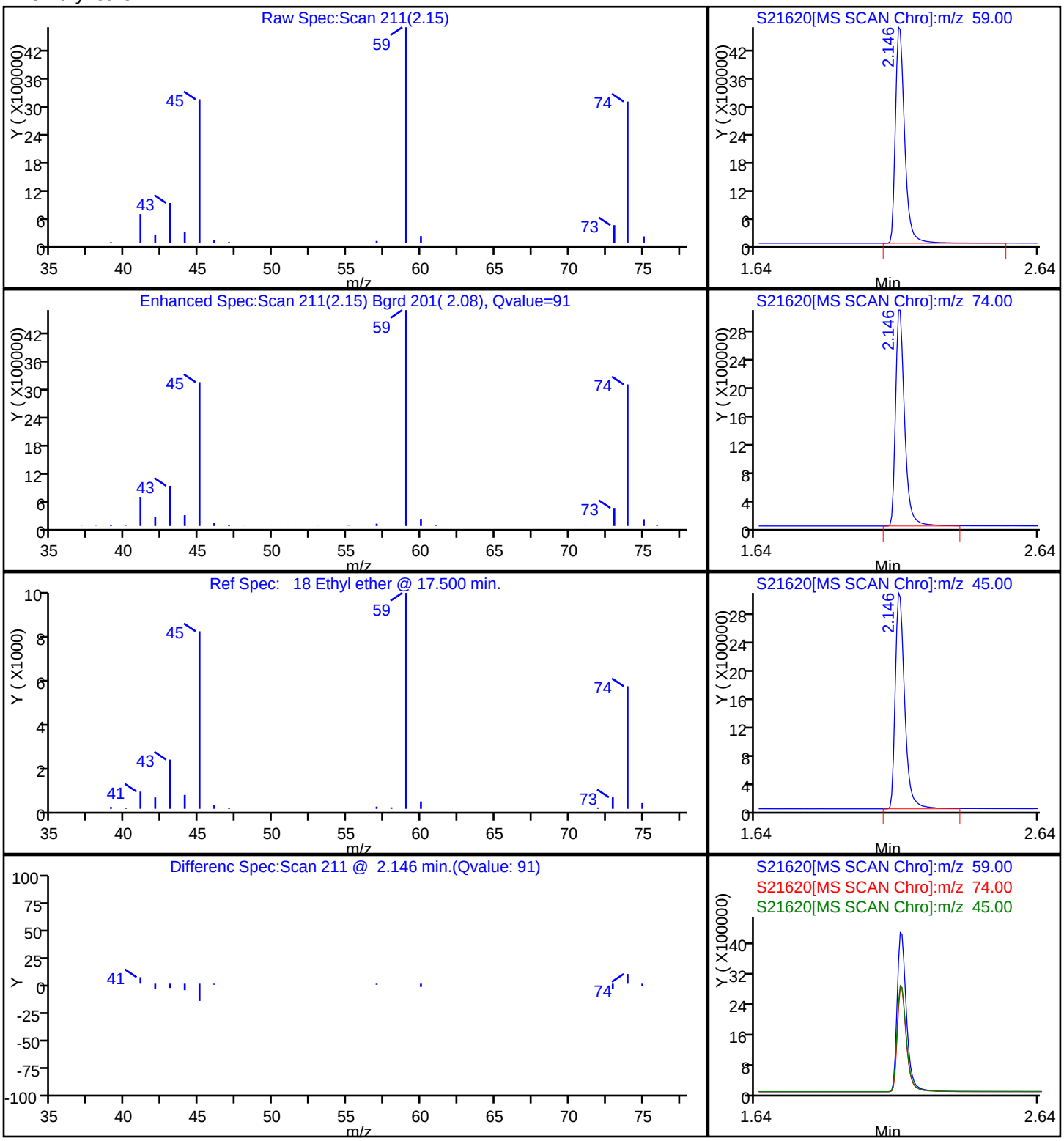
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



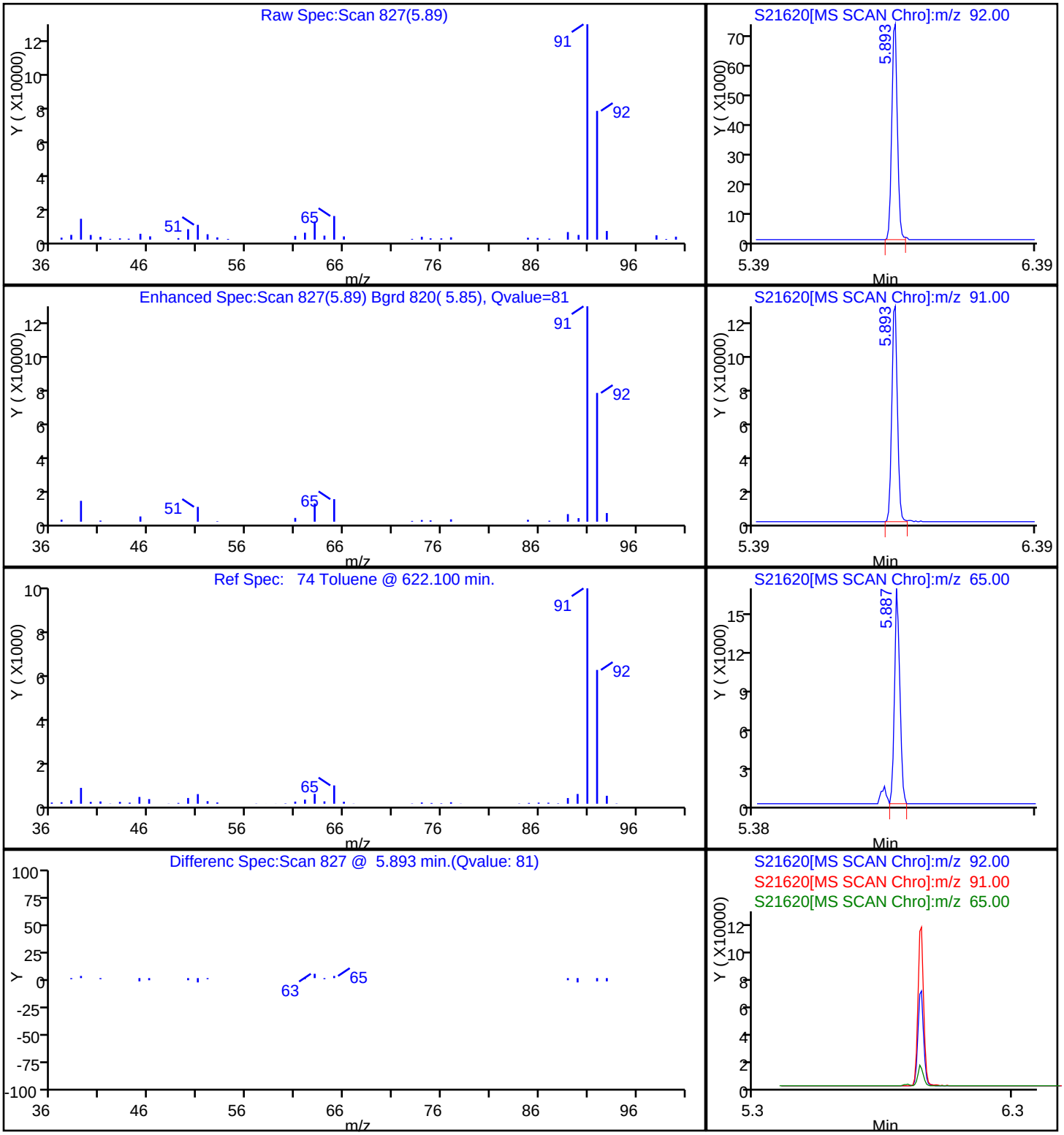
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

74 Toluene



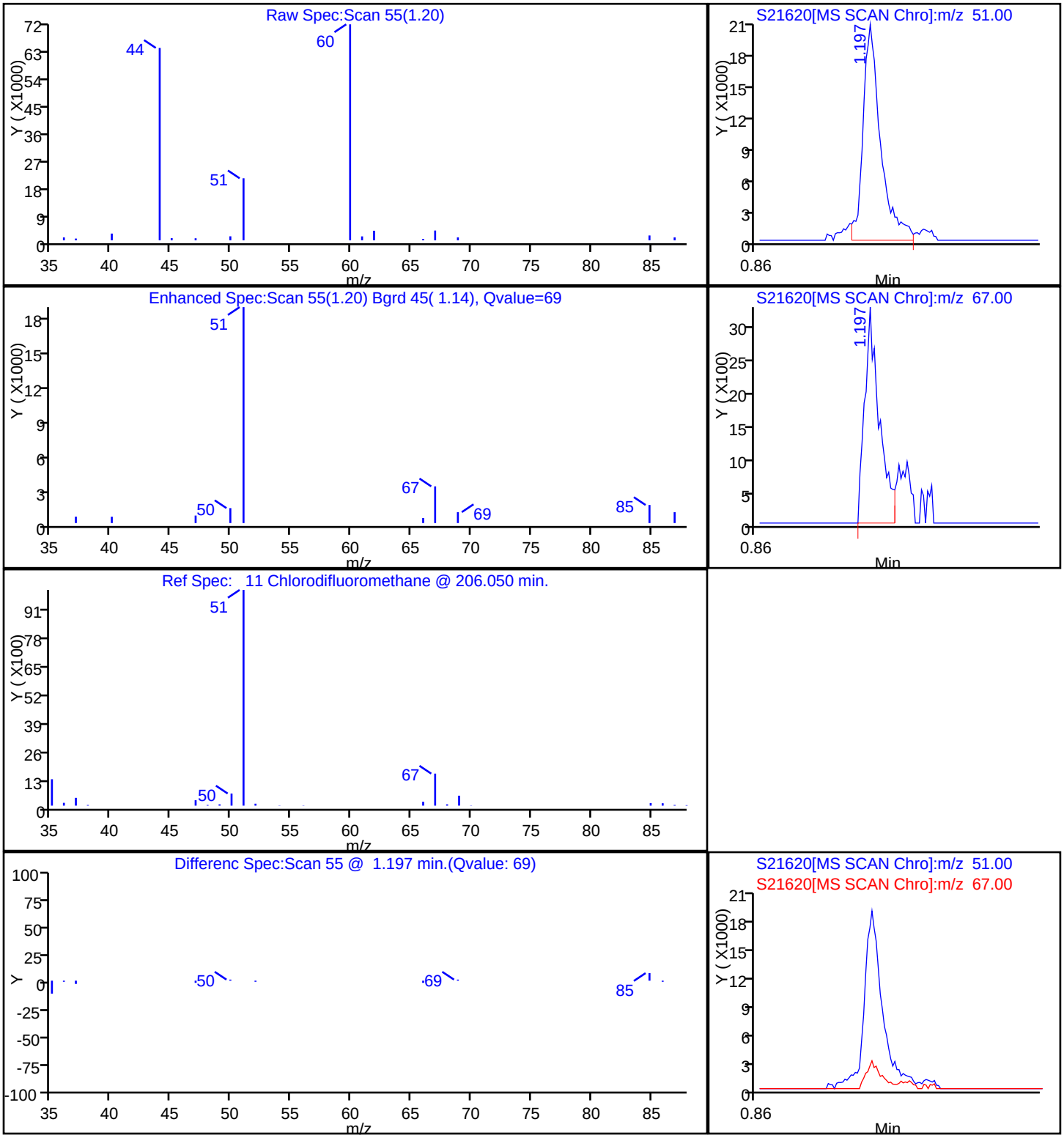
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

11 Chlorodifluoromethane



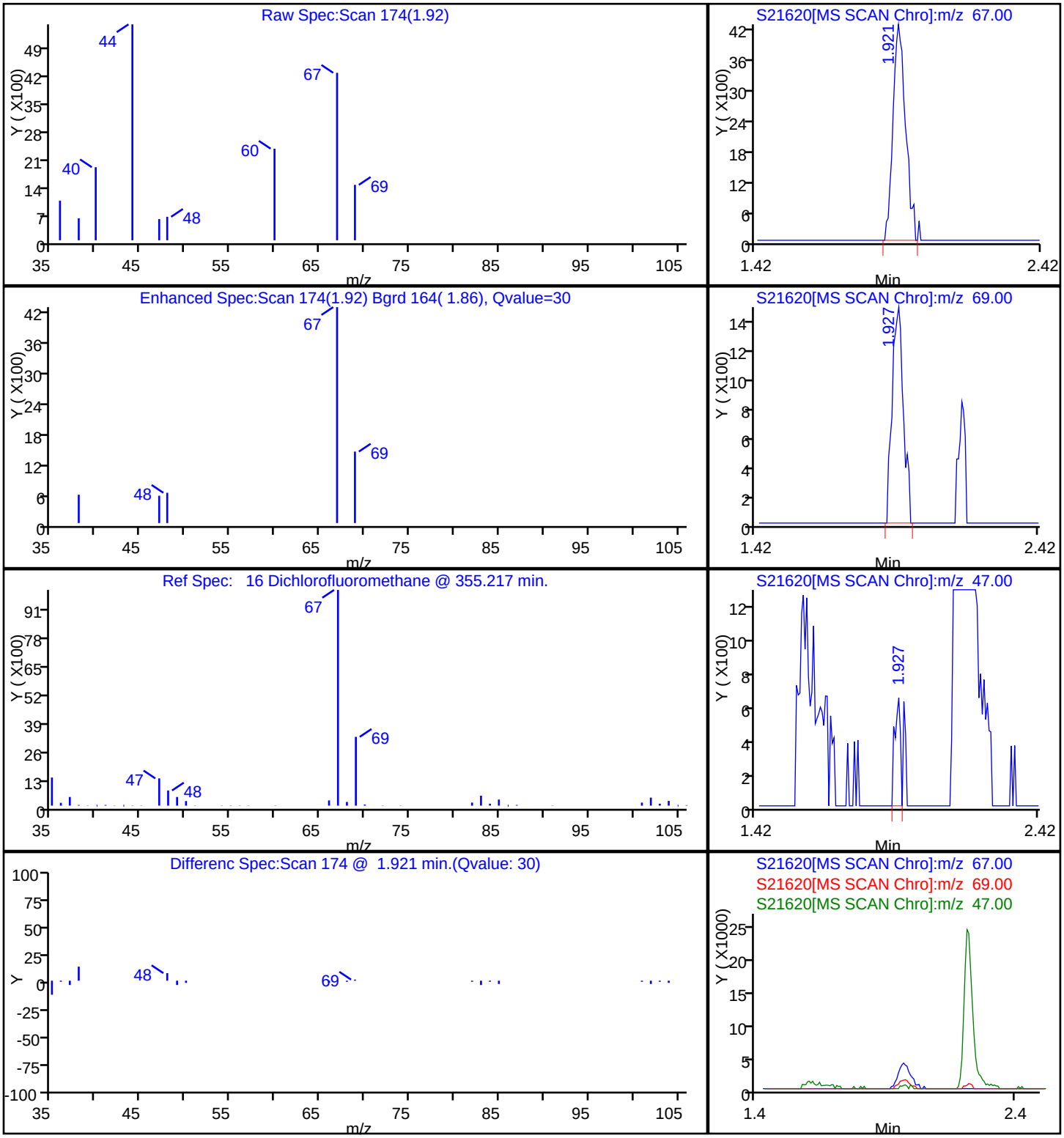
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

16 Dichlorofluoromethane



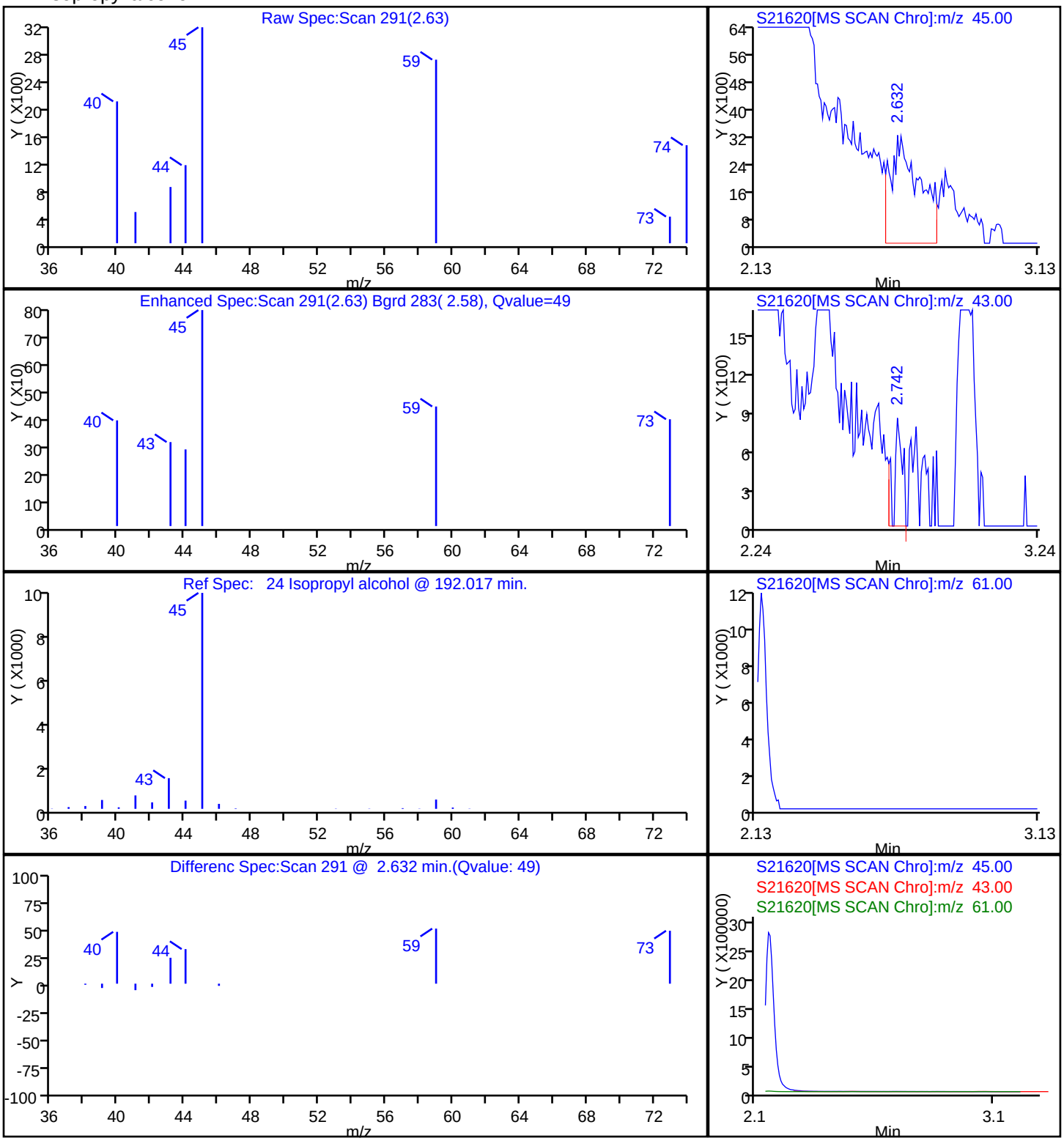
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TestAmerica Buffalo

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Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



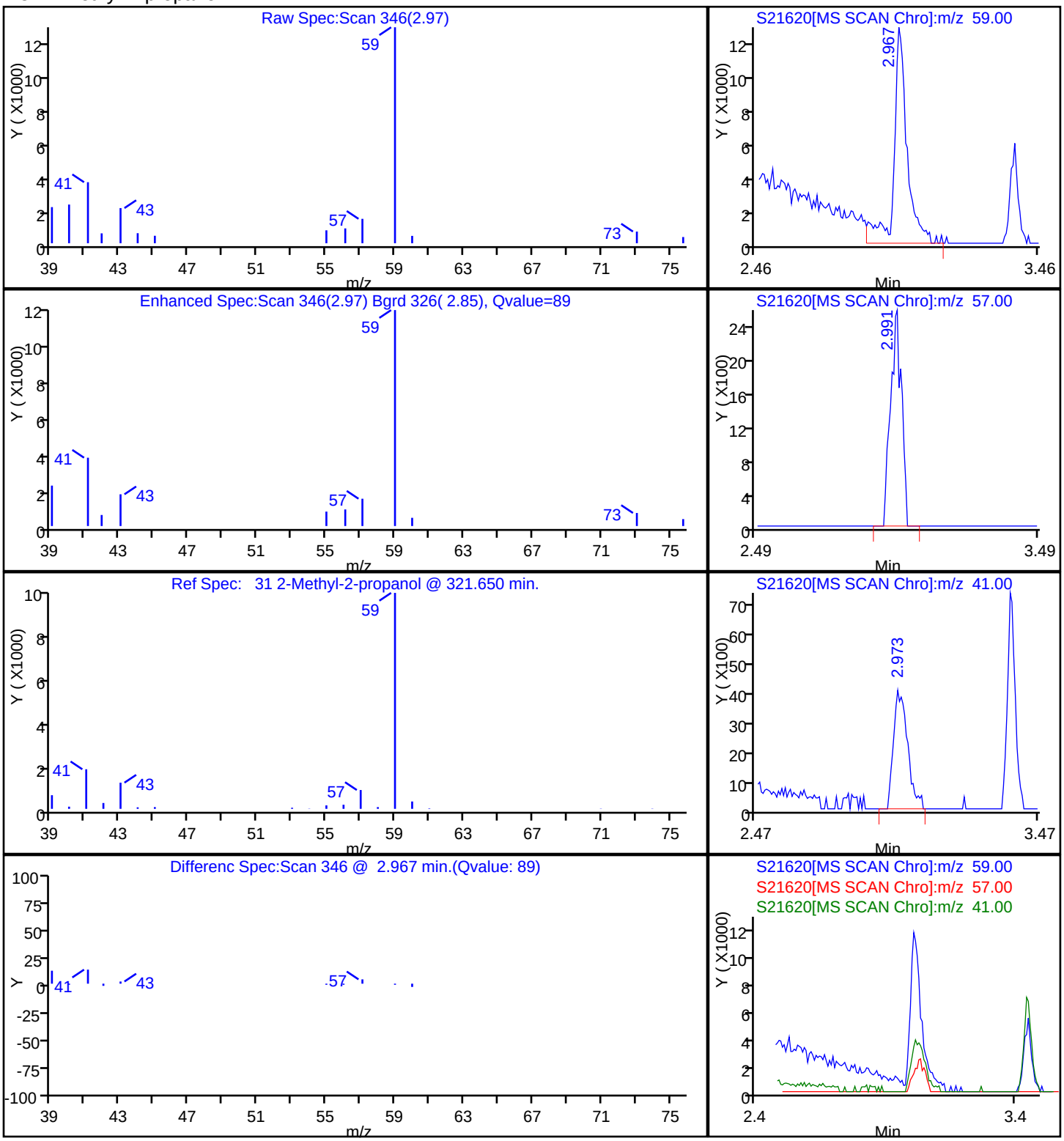
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

31 2-Methyl-2-propanol



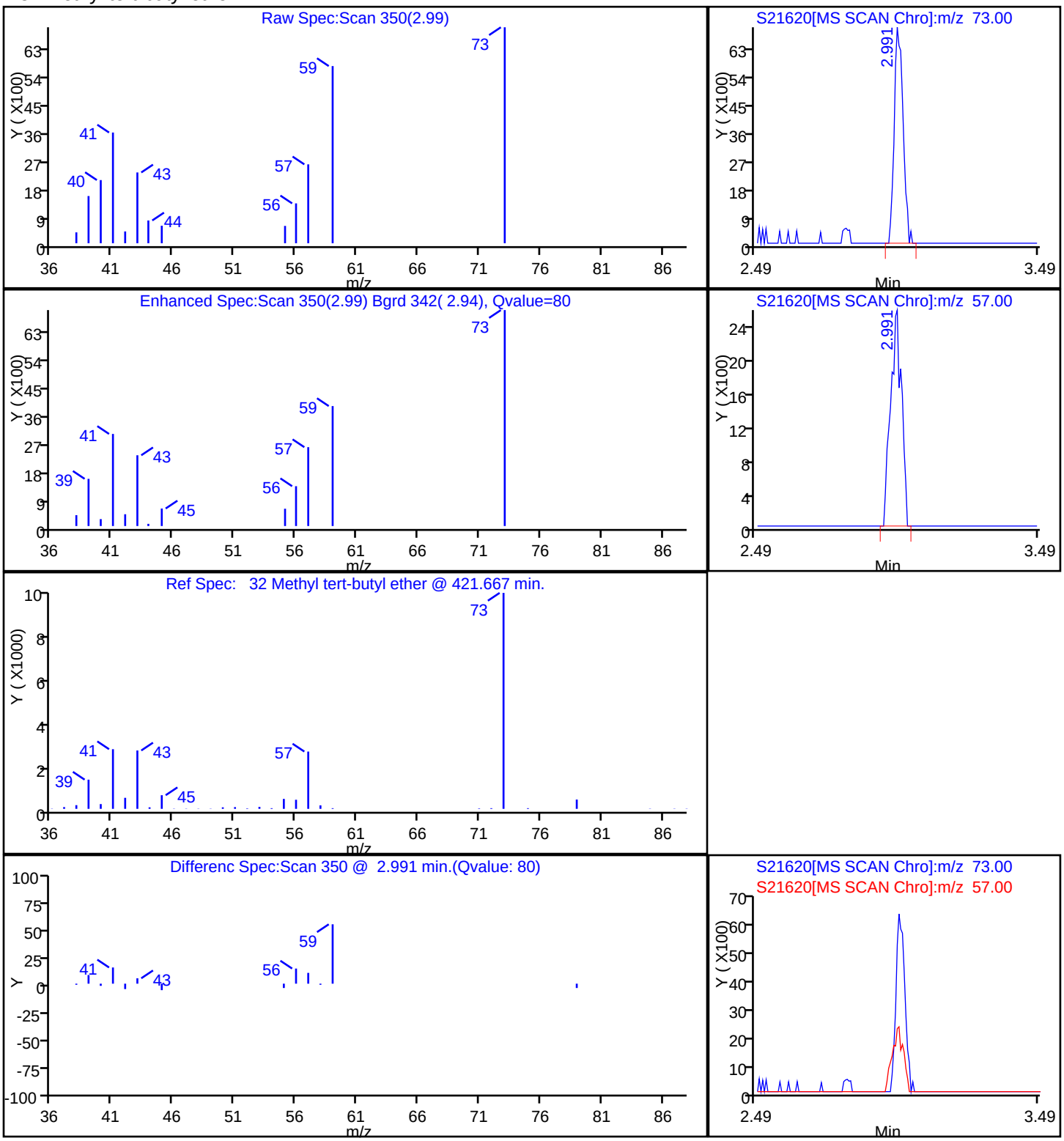
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TestAmerica Buffalo

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Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

32 Methyl tert-butyl ether



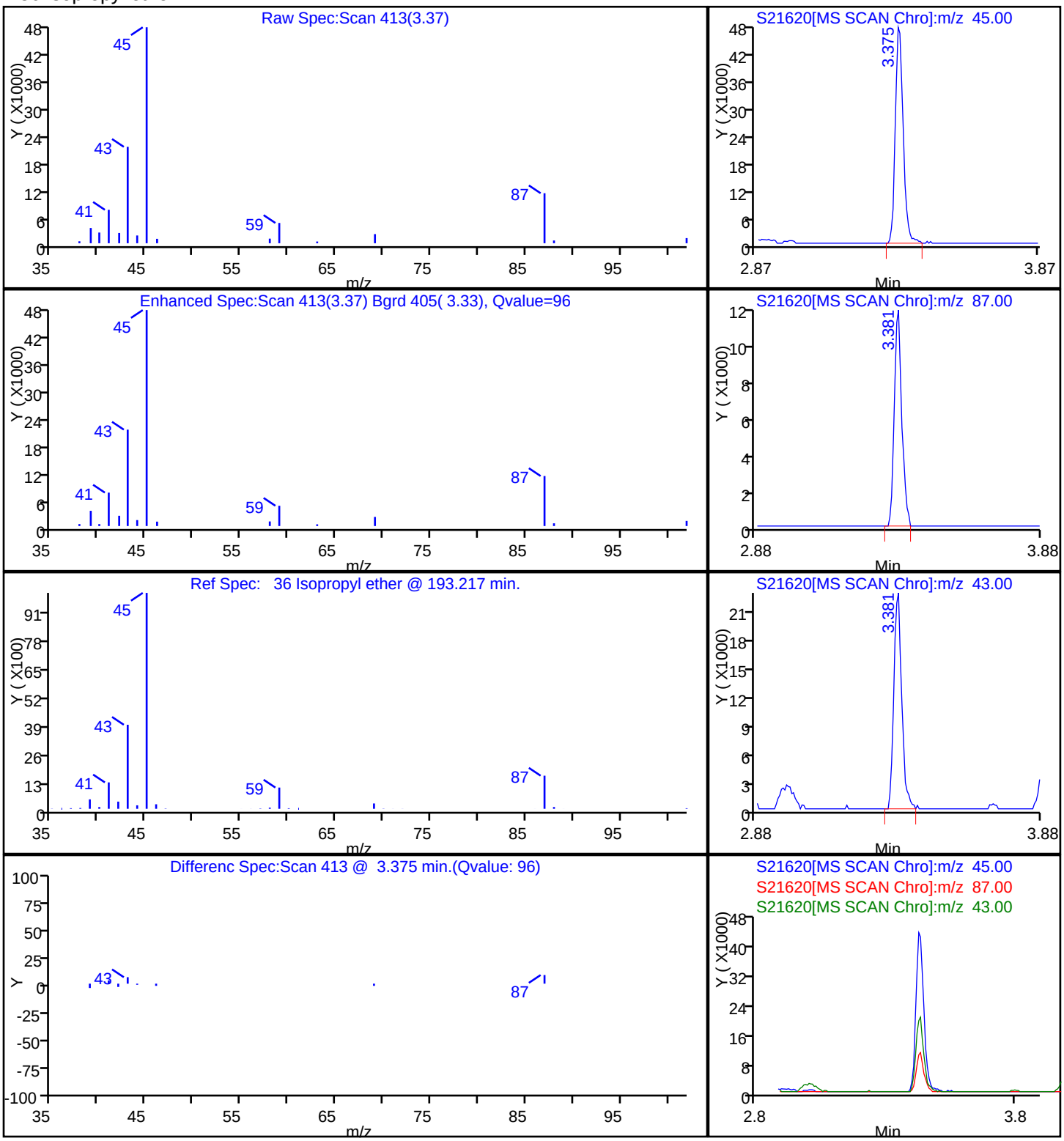
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

36 Isopropyl ether



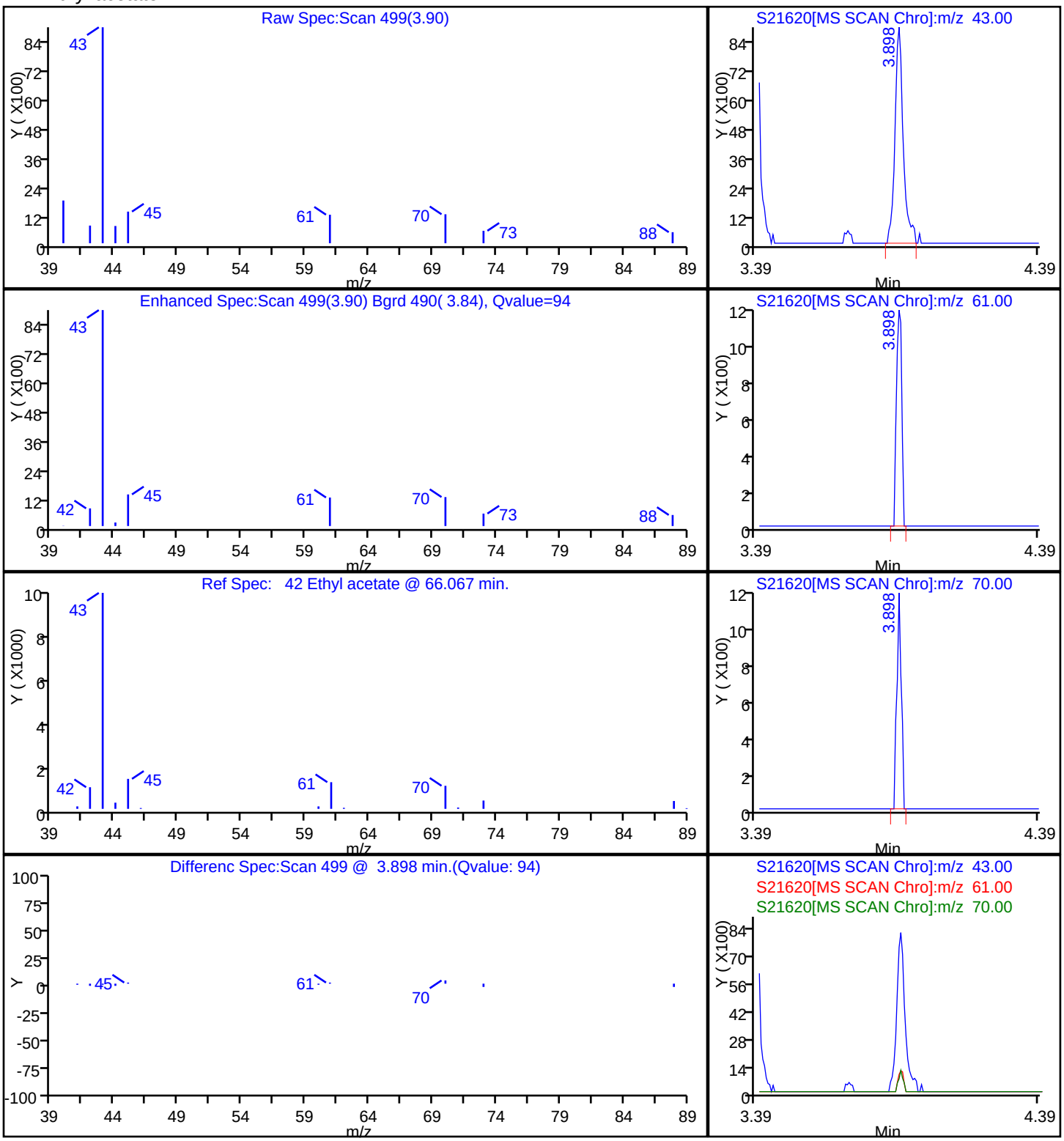
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

42 Ethyl acetate



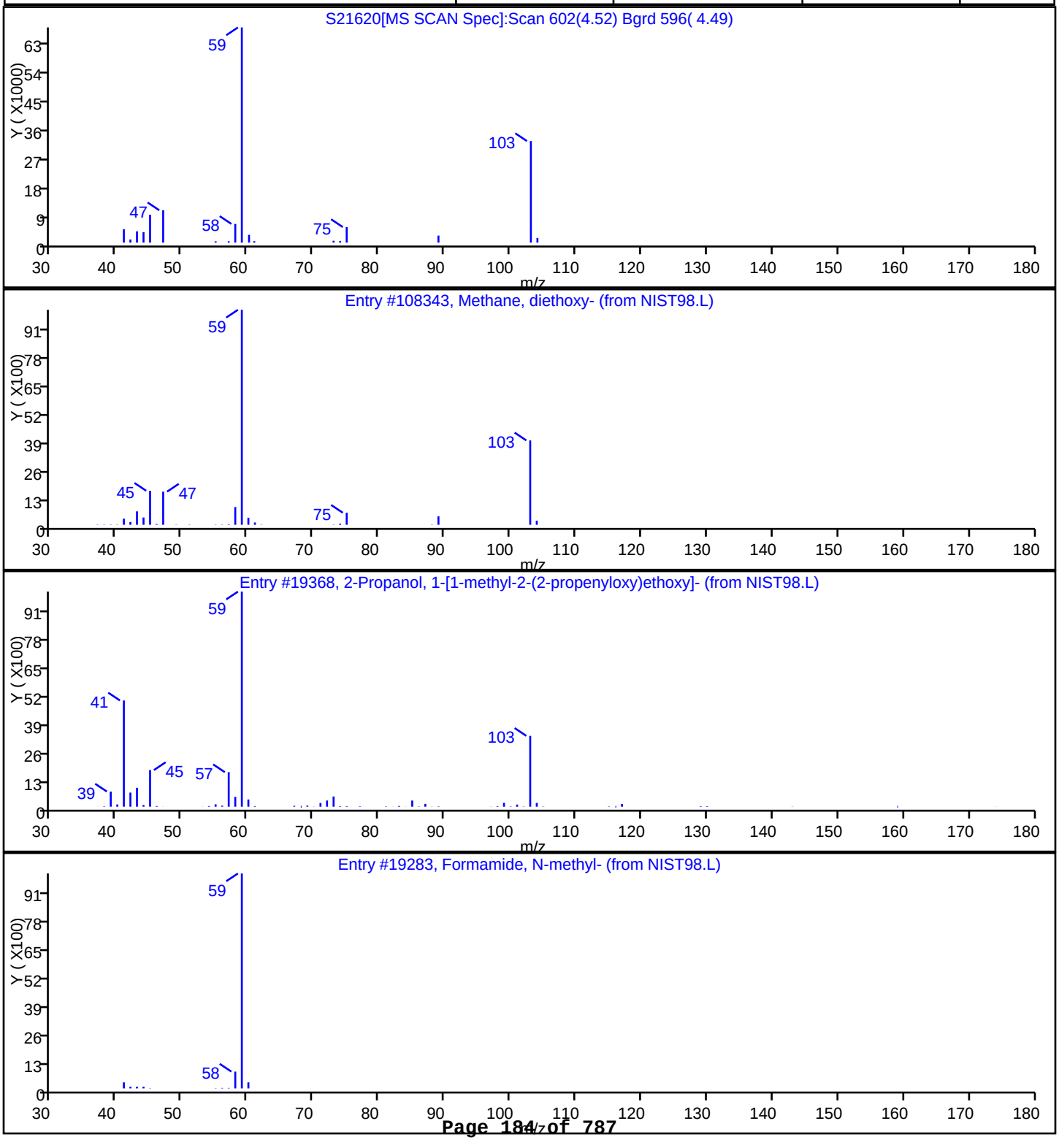
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21620.D

Injection Date:	28-Dec-2012 16:45:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Methane, diethoxy-	462-95-3	NIST98.L	108343	90
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	55956-25-7	NIST98.L	19368	40
Formamide, N-methyl-	123-39-7	NIST98.L	19283	37



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 DL | Lab Sample ID: 480-30773-5 DL

Matrix: Water | Lab File ID: G18581.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/31/2012 00:27

Soil Aliquot Vol: | Dilution Factor: 40

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

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

Analysis Batch No.: 97832 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	8.4
79-00-5	1,1,2-Trichloroethane	ND		200	9.2
75-34-3	1,1-Dichloroethane	ND		200	15
75-35-4	1,1-Dichloroethene	ND		200	12
107-06-2	1,2-Dichloroethane	ND		200	8.4
78-87-5	1,2-Dichloropropane	ND		200	29
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		400	50
554-14-3	2-Methylthiophene	ND		400	18
616-44-4	3-Methylthiophene	ND		400	21
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		200	16
75-25-2	Bromoform	ND		200	10
74-83-9	Bromomethane	ND		400	28
75-15-0	Carbon disulfide	ND		200	7.6
56-23-5	Carbon tetrachloride	ND		200	11
108-90-7	Chlorobenzene	ND		200	30
75-00-3	Chloroethane	ND		400	13
67-66-3	Chloroform	ND		200	14
74-87-3	Chloromethane	ND		400	14
156-59-2	cis-1,2-Dichloroethene	ND		200	32
10061-01-5	cis-1,3-Dichloropropene	ND		200	14
124-48-1	Dibromochloromethane	ND		200	13
60-29-7	Ethyl ether	2400		400	29
100-41-4	Ethylbenzene	ND		200	30
179601-23-1	m&p-Xylene	ND		200	26
75-09-2	Methylene Chloride	ND		200	18
95-47-6	o-Xylene	ND		200	30
100-42-5	Styrene	ND		200	29
127-18-4	Tetrachloroethene	ND		200	14
108-88-3	Toluene	ND		200	20
156-60-5	trans-1,2-Dichloroethene	ND		200	36
10061-02-6	trans-1,3-Dichloropropene	ND		200	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 DL Lab Sample ID: 480-30773-5 DL

Matrix: Water Lab File ID: G18581.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/31/2012 00:27

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97832 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*200*	*18*
75-01-4	*Vinyl chloride*	*ND*		*400*	*36*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	111		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 DL Lab Sample ID: 480-30773-5 DL

Matrix: Water Lab File ID: G18581.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/31/2012 00:27

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97832 Units: ug/L

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\HP5973G\20121230-17942.b\G18581.D
Lims ID: 480-30773-B-5 Client ID: GW-44538-121912-005
Inject. Date: 31-Dec-2012 00:27:30 Dil. Factor: 40.0000
Sample Type: Client
Sample ID: 480-30773-B-5
Misc. Info.: 480-0017942-025 =480-0017942-025
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 97832 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 31-Dec-2012 09:17:06 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK018

First Level Reviewer: larsonr Date: 31-Dec-2012 09:17:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	449106	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	238125	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	210378	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	122199	26.3	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	670586	27.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	86	185302	27.1	
12 Chloromethane	50		1.615					
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.054					
15 Chloroethane	64		2.133					
18 Ethyl ether	59	2.658	2.657	0.001	93	288741	60.2	
20 1,1-Dichloroethene	96		2.877					
22 Acetone	43		2.975					
24 Carbon disulfide	76		3.078					
29 Methylene Chloride	84	3.426	3.395	0.031	41	2225	0.2430	
32 trans-1,2-Dichloroethene	96		3.615					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					9
50 Chloroform	85		4.877					9
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					9
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					9
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.650					
89 Ethylbenzene	91		8.748					9
90 m-Xylene & p-Xylene	106		8.870					
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

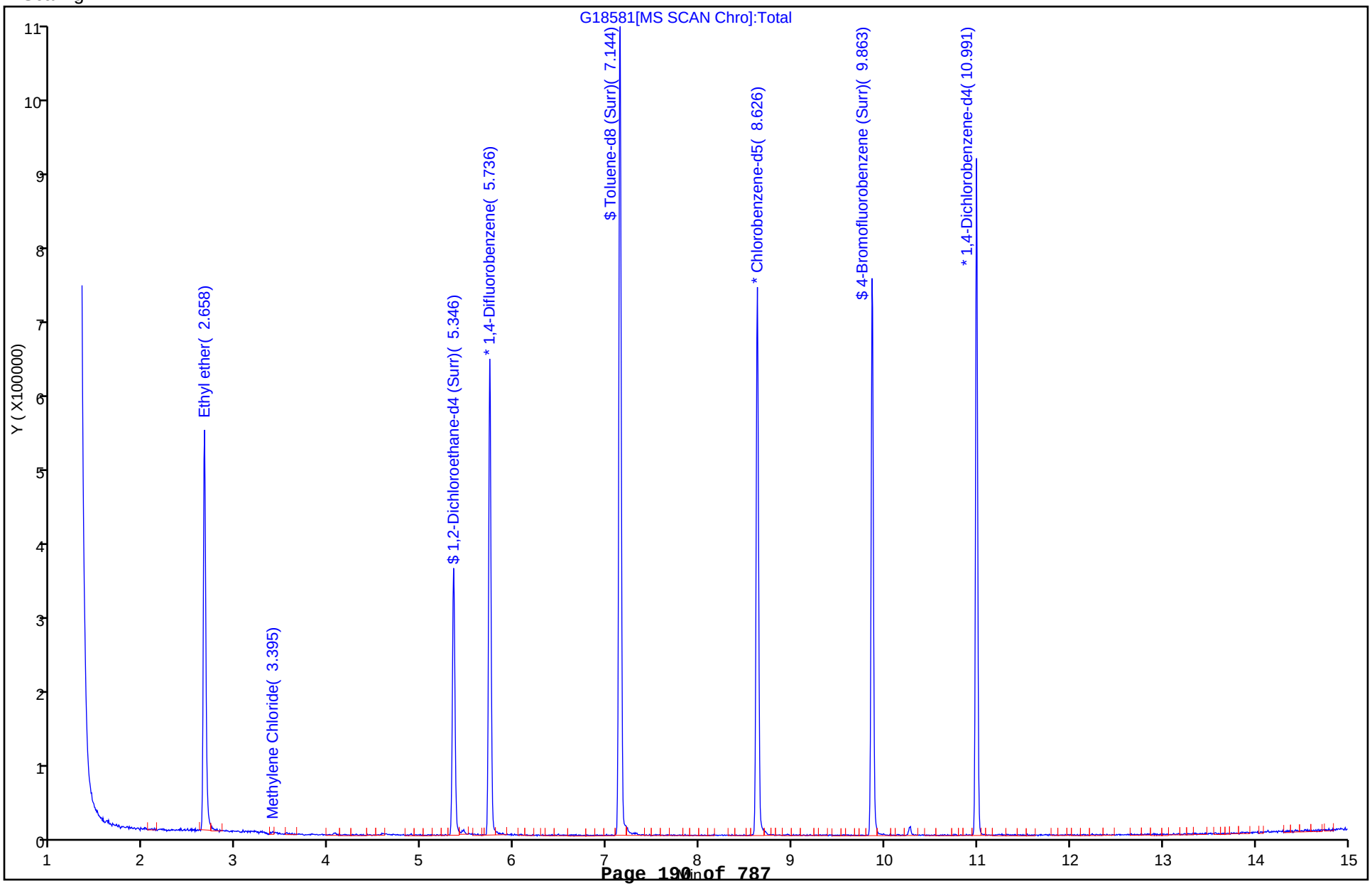
Report Date: 31-Dec-2012 09:17:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18581.D

Injection Date:	31-Dec-2012 00:27:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	25
Operator ID:	NMD	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



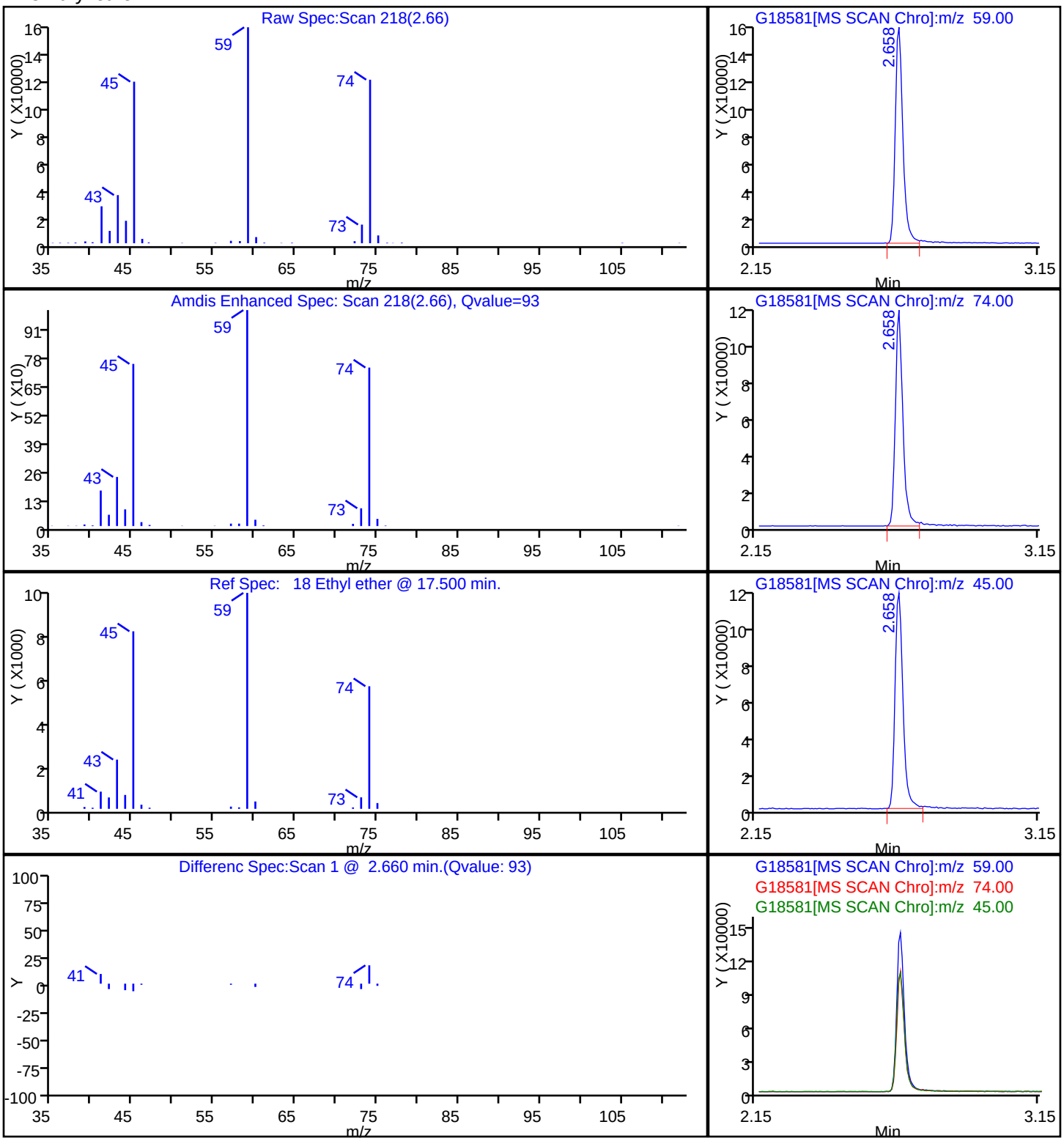
Report Date: 31-Dec-2012 09:17:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18581.D

Injection Date:	31-Dec-2012 00:27:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-005	Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	25
Operator ID:	NMD	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 | Lab Sample ID: 480-30773-6

Matrix: Water | Lab File ID: S21621.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:07

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	*Ethyl ether*	*2200*	*E*	*50*	*3.6*
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	ND		25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	Toluene	ND		25	2.6
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 Lab Sample ID: 480-30773-6

Matrix: Water Lab File ID: S21621.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 17:07

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	104		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 | Lab Sample ID: 480-30773-6

Matrix: Water | Lab File ID: S21621.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:07

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 17

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.19	13	
141-78-6	Ethyl acetate	3.90	4.0	J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21621.D
Lims ID: 480-30773-A-6 Client ID: GW-44538-121912-006
Inject. Date: 28-Dec-2012 17:07:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-6
Misc. Info.: 480-0017912-014 =480-0017912-014
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 97675 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:35:30 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:34:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	704414	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	369552	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	300937	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	130443	26.6	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	85	767176	26.1	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	204286	22.3	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	93	3485052	434.6	E
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					2
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.852	2.852	0.0	26	3895	0.3997	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21621.D		
Lims ID:	480-30773-A-6	Client ID:	GW-44538-121912-006
Inject. Date:	28-Dec-2012 17:07:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-30773-A-6		
Misc. Info.:	480-0017912-014 =480-0017912-014		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	17
Lims Batch ID:	97675	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:35:30	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:34:56

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.191	12581	2.60	
Dichlorofluoromethane	1.909	2203	0.1907	
Ethyl acetate	3.898	8364	0.7959	

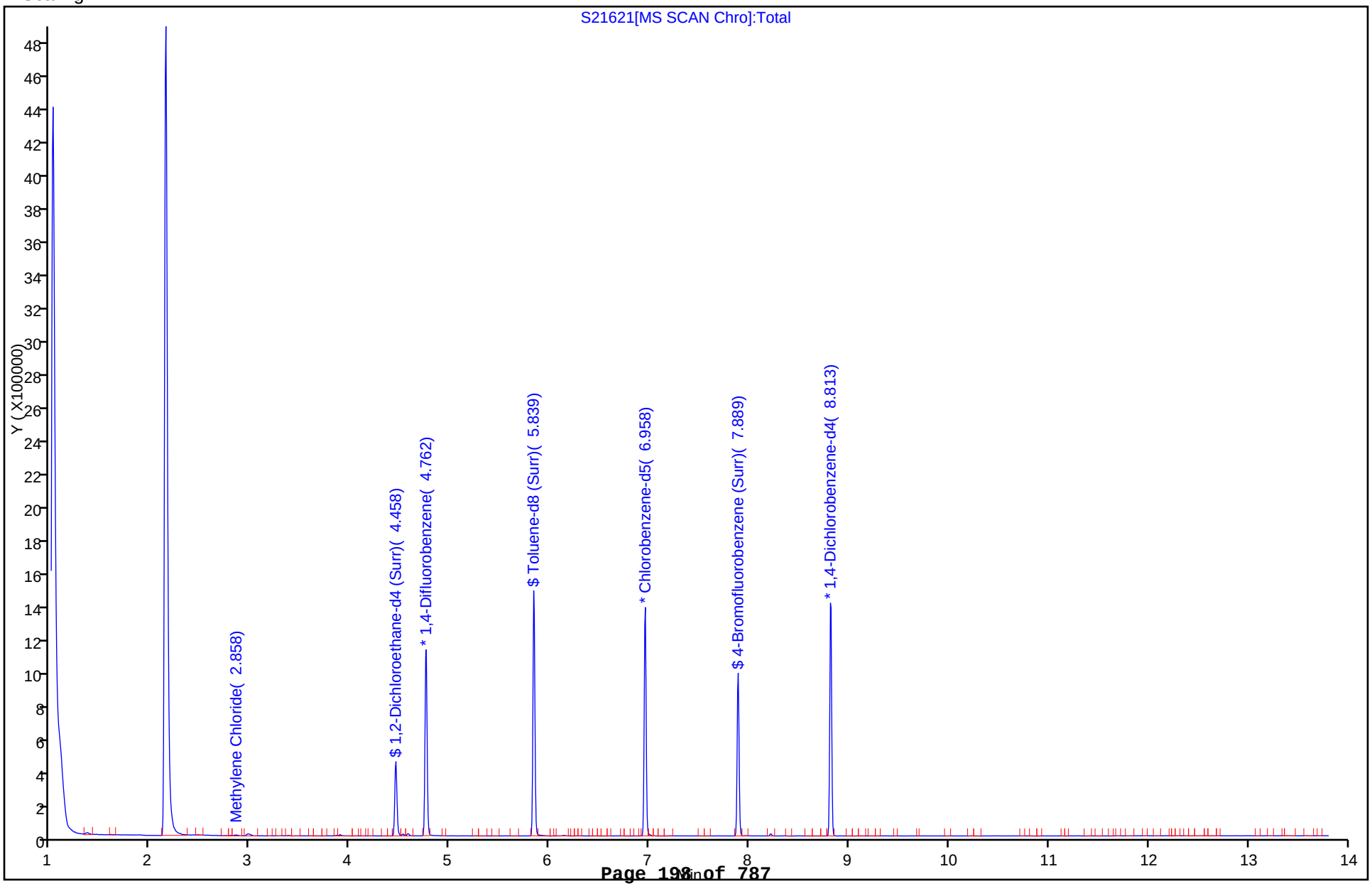
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21621.D

Injection Date:	28-Dec-2012 17:07:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



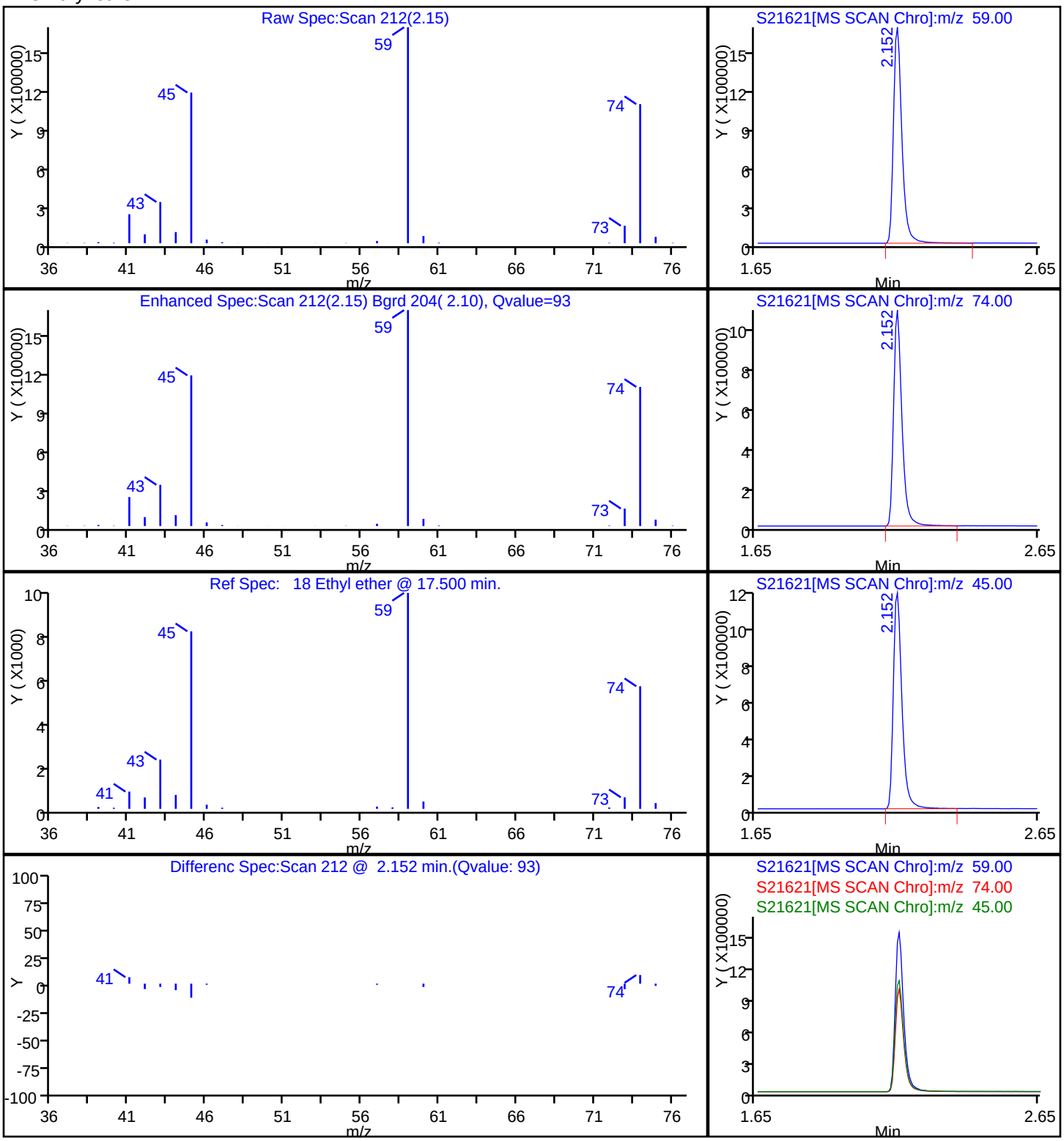
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TestAmerica Buffalo

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Injection Date:	28-Dec-2012 17:07:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



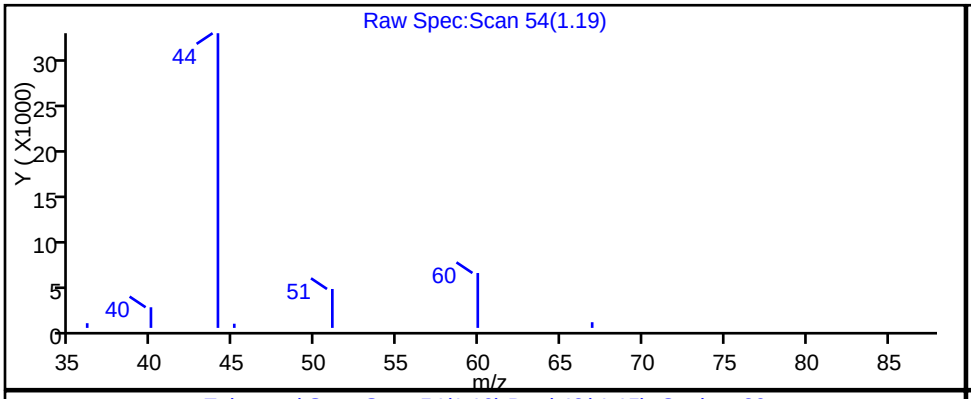
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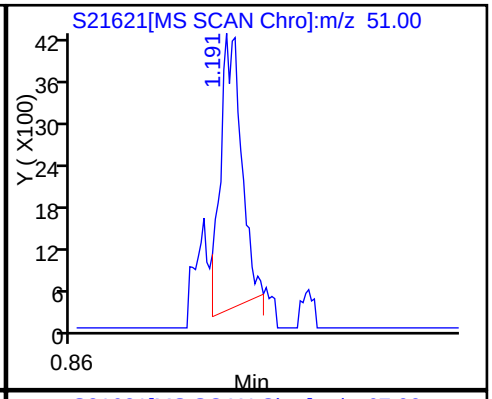
TestAmerica Buffalo

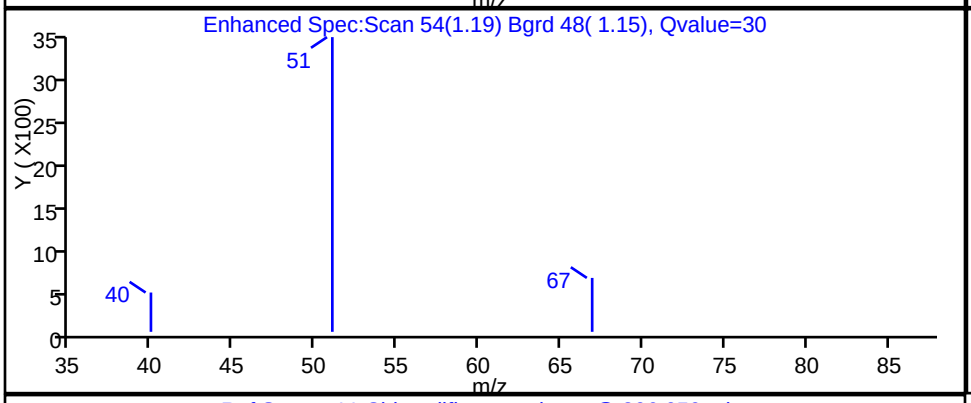
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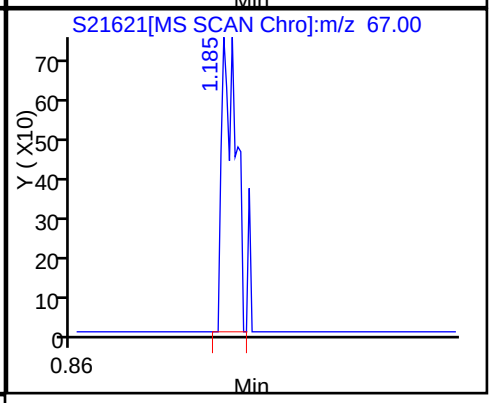
Injection Date:	28-Dec-2012 17:07:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

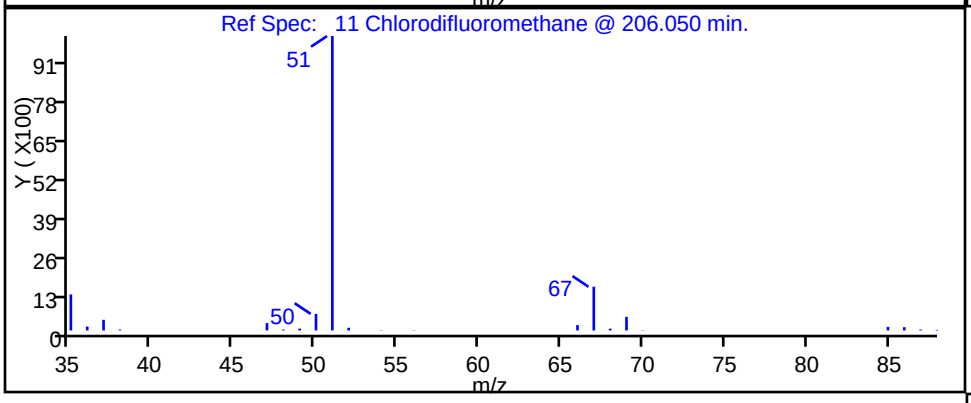
11 Chlorodifluoromethane

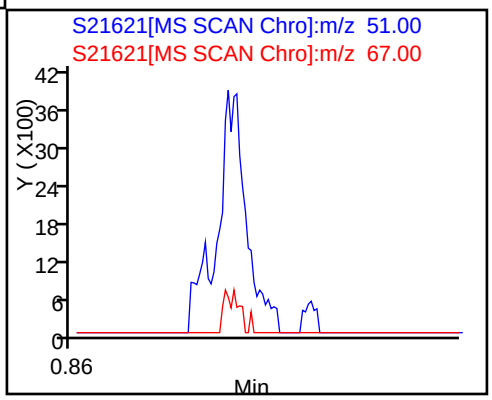












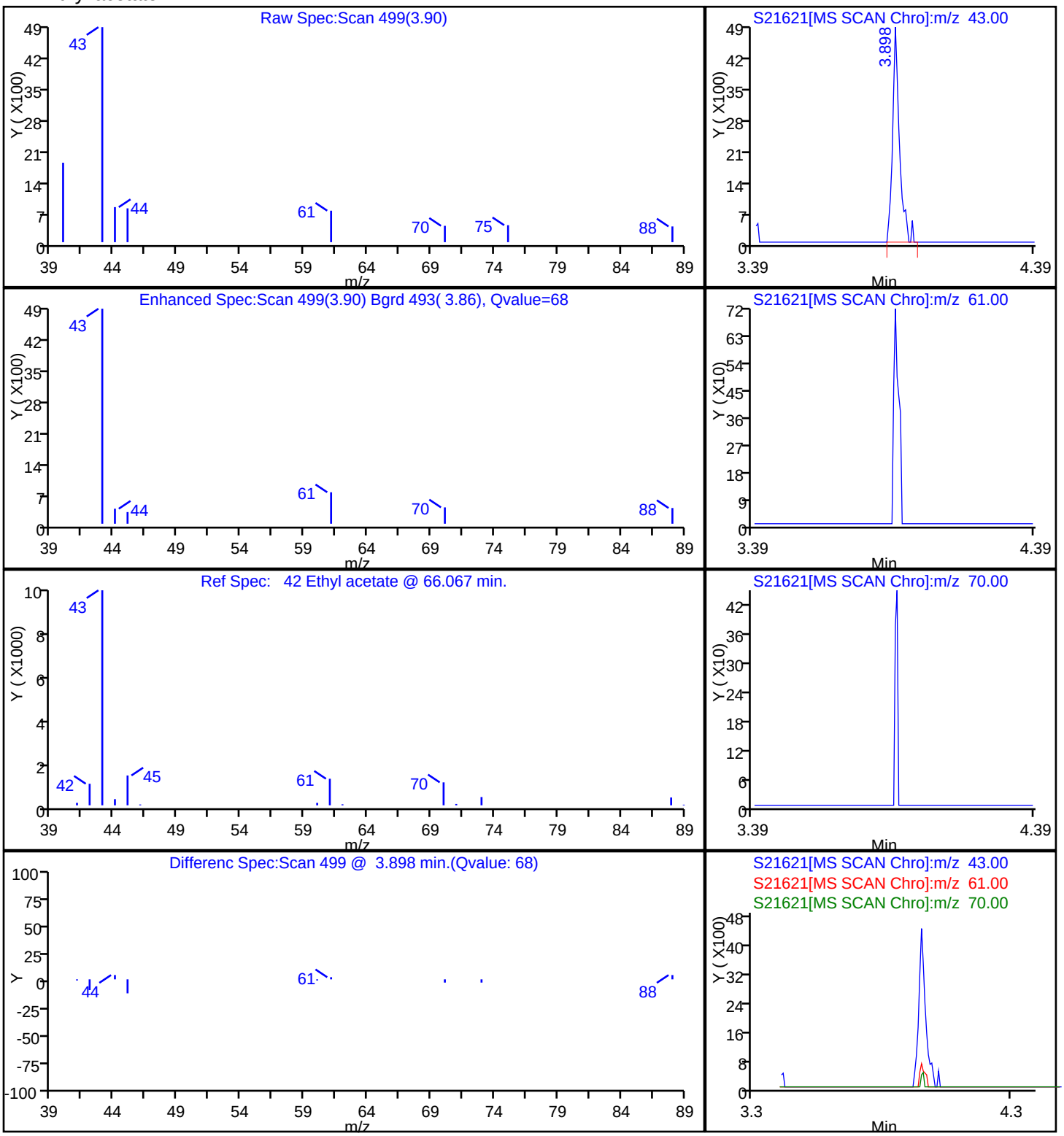
Report Date: 29-Dec-2012 13:35:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21621.D

Injection Date:	28-Dec-2012 17:07:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

42 Ethyl acetate



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 DL | Lab Sample ID: 480-30773-6 DL

Matrix: Water | Lab File ID: G18537.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 13:05

Soil Aliquot Vol: | Dilution Factor: 50

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		250	41
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	11
79-00-5	1,1,2-Trichloroethane	ND		250	12
75-34-3	1,1-Dichloroethane	ND		250	19
75-35-4	1,1-Dichloroethene	ND		250	15
107-06-2	1,2-Dichloroethane	ND		250	11
78-87-5	1,2-Dichloropropane	ND		250	36
78-93-3	2-Butanone (MEK)	ND		500	66
591-78-6	2-Hexanone	ND		500	62
554-14-3	2-Methylthiophene	ND		500	22
616-44-4	3-Methylthiophene	ND		500	27
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		500	110
67-64-1	Acetone	ND		500	150
71-43-2	Benzene	ND		50	21
75-27-4	Bromodichloromethane	ND		250	20
75-25-2	Bromoform	ND		250	13
74-83-9	Bromomethane	ND		500	35
75-15-0	Carbon disulfide	ND		250	9.5
56-23-5	Carbon tetrachloride	ND		250	14
108-90-7	Chlorobenzene	ND		250	38
75-00-3	Chloroethane	ND		500	16
67-66-3	Chloroform	ND		250	17
74-87-3	Chloromethane	ND		500	18
156-59-2	cis-1,2-Dichloroethene	ND		250	41
10061-01-5	cis-1,3-Dichloropropene	ND		250	18
124-48-1	Dibromochloromethane	ND		250	16
60-29-7	Ethyl ether	4000		500	36
100-41-4	Ethylbenzene	ND		250	37
179601-23-1	m&p-Xylene	ND		250	33
75-09-2	Methylene Chloride	39	J B	250	22
95-47-6	o-Xylene	ND		250	38
100-42-5	Styrene	ND		250	37
127-18-4	Tetrachloroethene	ND		250	18
108-88-3	Toluene	ND		250	26
156-60-5	trans-1,2-Dichloroethene	ND		250	45
10061-02-6	trans-1,3-Dichloropropene	ND		250	19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 DL Lab Sample ID: 480-30773-6 DL

Matrix: Water Lab File ID: G18537.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 13:05

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*250*	*23*
75-01-4	*Vinyl chloride*	*ND*		*500*	*45*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	117		73-120
2037-26-5	Toluene-d8 (Surr)	117		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-006 DL Lab Sample ID: 480-30773-6 DL

Matrix: Water Lab File ID: G18537.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:30

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 13:05

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

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\HP5973G\20121229-17927.b\G18537.D
Lims ID: 480-30773-B-6 Client ID: GW-44538-121912-006
Inject. Date: 29-Dec-2012 13:05:30 Dil. Factor: 50.0000
Sample Type: Client
Sample ID: 480-30773-B-6
Misc. Info.: 480-0017927-009 =480-0017927-009
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 97793 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 16:10:33 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 16:10:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	467966	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	248262	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	215084	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	128082	26.4	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	737594	29.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	208512	29.2	
12 Chloromethane	50		1.621					9
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.651	2.651	0.0	94	399430	79.9	
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43		2.968					
24 Carbon disulfide	76		3.084					9
29 Methylene Chloride	84	3.395	3.401	-0.006	72	7456	0.7815	
32 trans-1,2-Dichloroethene	96		3.609					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					9
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.748					9
90 m-Xylene & p-Xylene	106		8.870					9
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

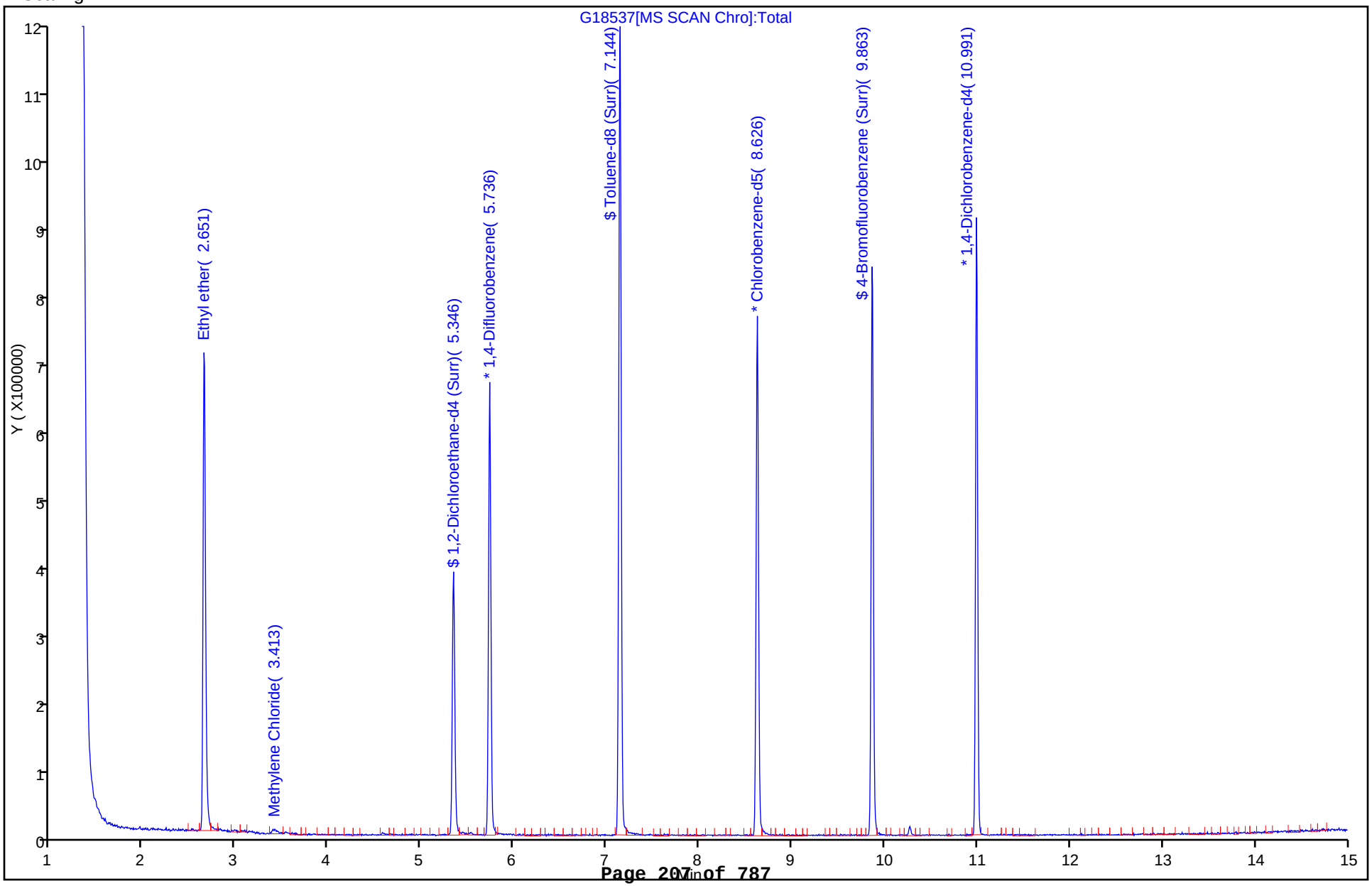
Report Date: 30-Dec-2012 16:10:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18537.D

Injection Date:	29-Dec-2012 13:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



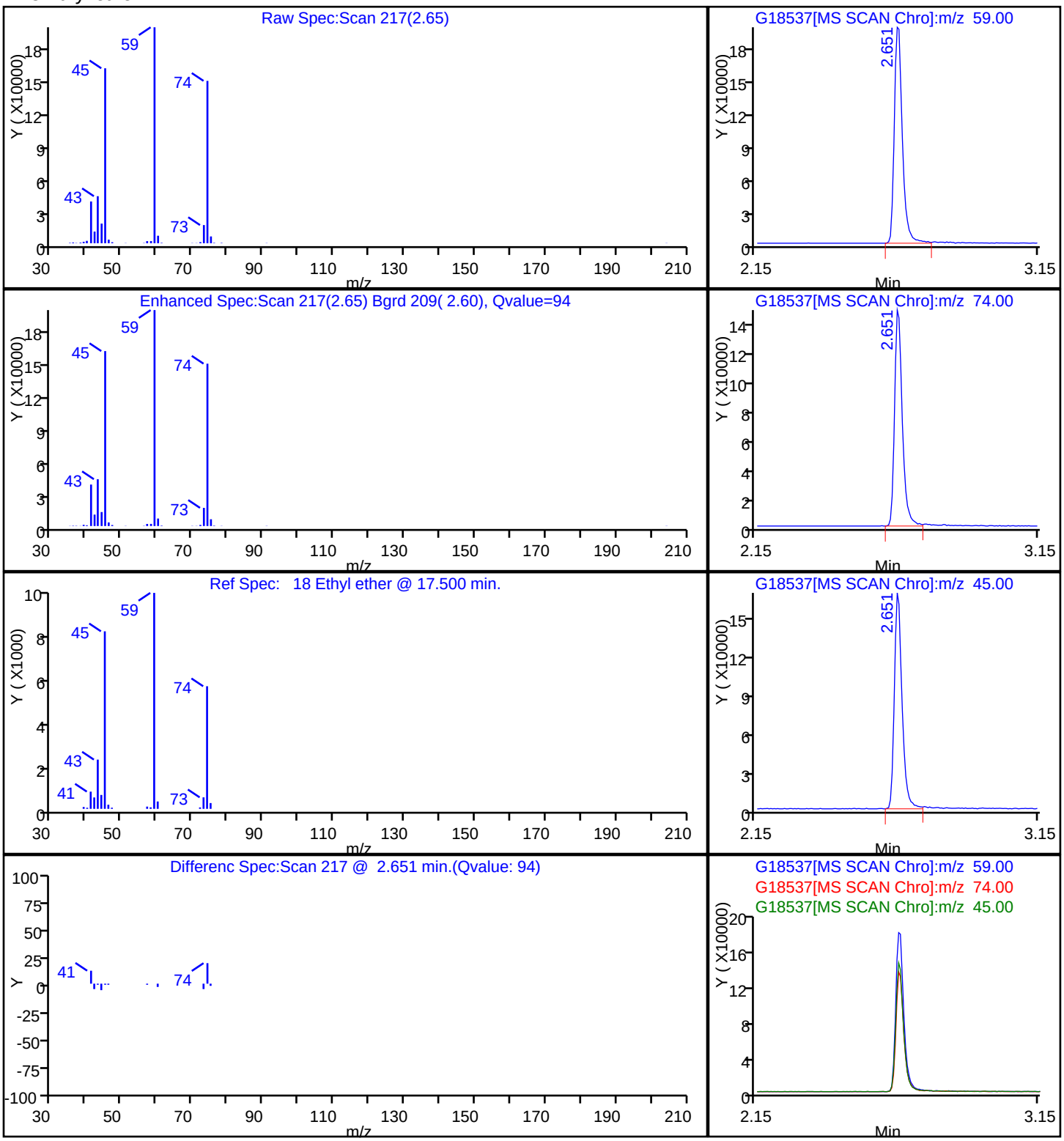
Report Date: 30-Dec-2012 16:10:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18537.D

Injection Date:	29-Dec-2012 13:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



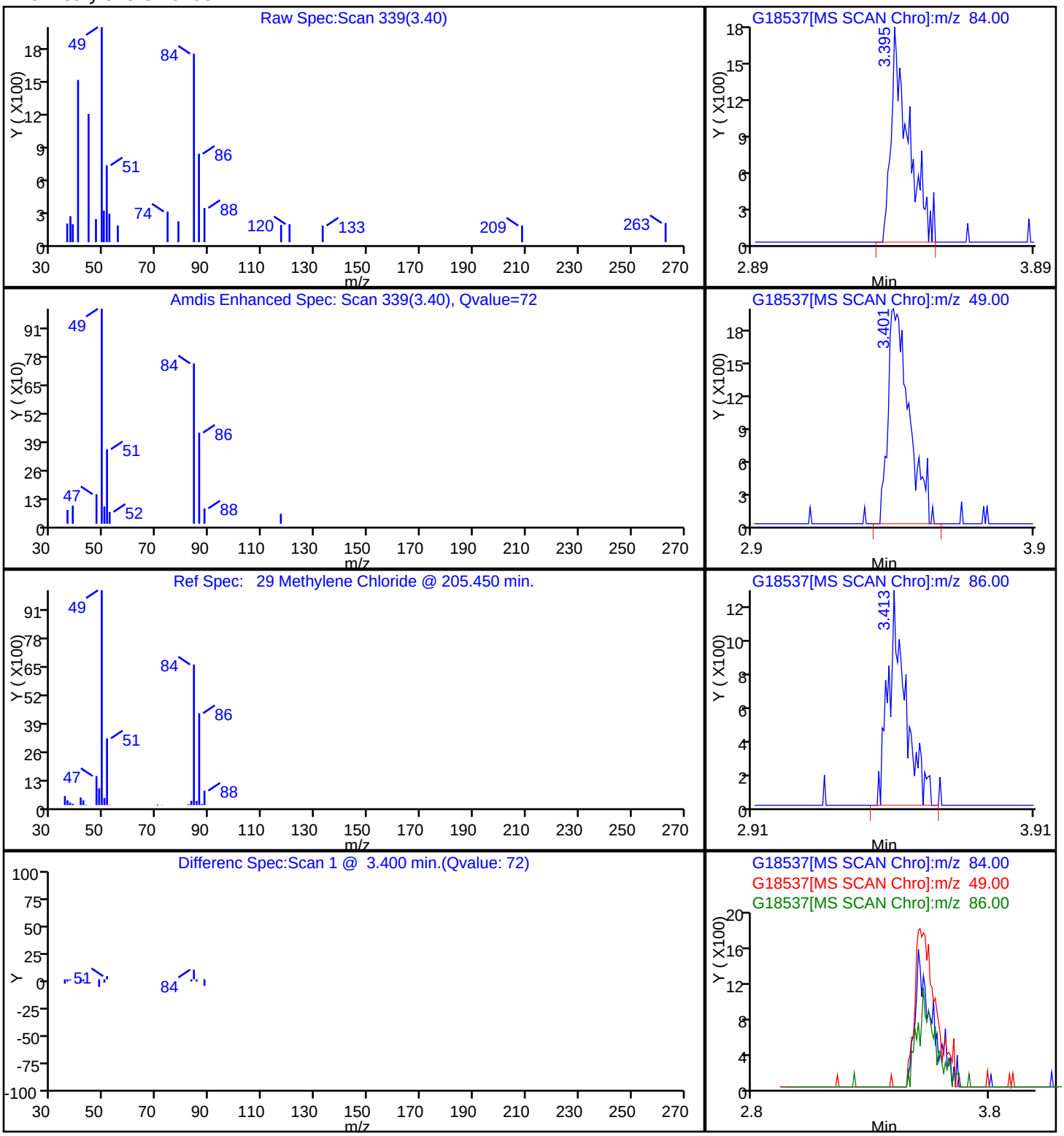
Report Date: 30-Dec-2012 16:10:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18537.D

Injection Date:	29-Dec-2012 13:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-006	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	9
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 | Lab Sample ID: 480-30773-7

Matrix: Water | Lab File ID: S21622.D

Analysis Method: 8260B | Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:29

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	*Ethyl ether*	*1700*	*E*	*50*	*3.6*
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	2.3	J	25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	Toluene	ND		25	2.6
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 Lab Sample ID: 480-30773-7

Matrix: Water Lab File ID: S21622.D

Analysis Method: 8260B Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 17:29

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 | Lab Sample ID: 480-30773-7

Matrix: Water | Lab File ID: S21622.D

Analysis Method: 8260B | Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:29

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 13

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	13	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21622.D
Lims ID: 480-30773-A-7 Client ID: GW-44538-121912-007
Inject. Date: 28-Dec-2012 17:29:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-7
Misc. Info.: 480-0017912-015 =480-0017912-015
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 97675 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:35:22 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:35:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	694359	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	362830	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	297098	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	132486	27.4	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	763218	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	203148	22.6	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	94	2645141	334.6	E
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.858	2.852	0.006	55	4486	0.4670	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21622.D		
Lims ID:	480-30773-A-7	Client ID:	GW-44538-121912-007
Inject. Date:	28-Dec-2012 17:29:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-30773-A-7		
Misc. Info.:	480-0017912-015 =480-0017912-015		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	18
Lims Batch ID:	97675	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:35:22	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:35:22

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.197	12663	2.64	
Ethyl acetate	3.898	5966	0.5759	

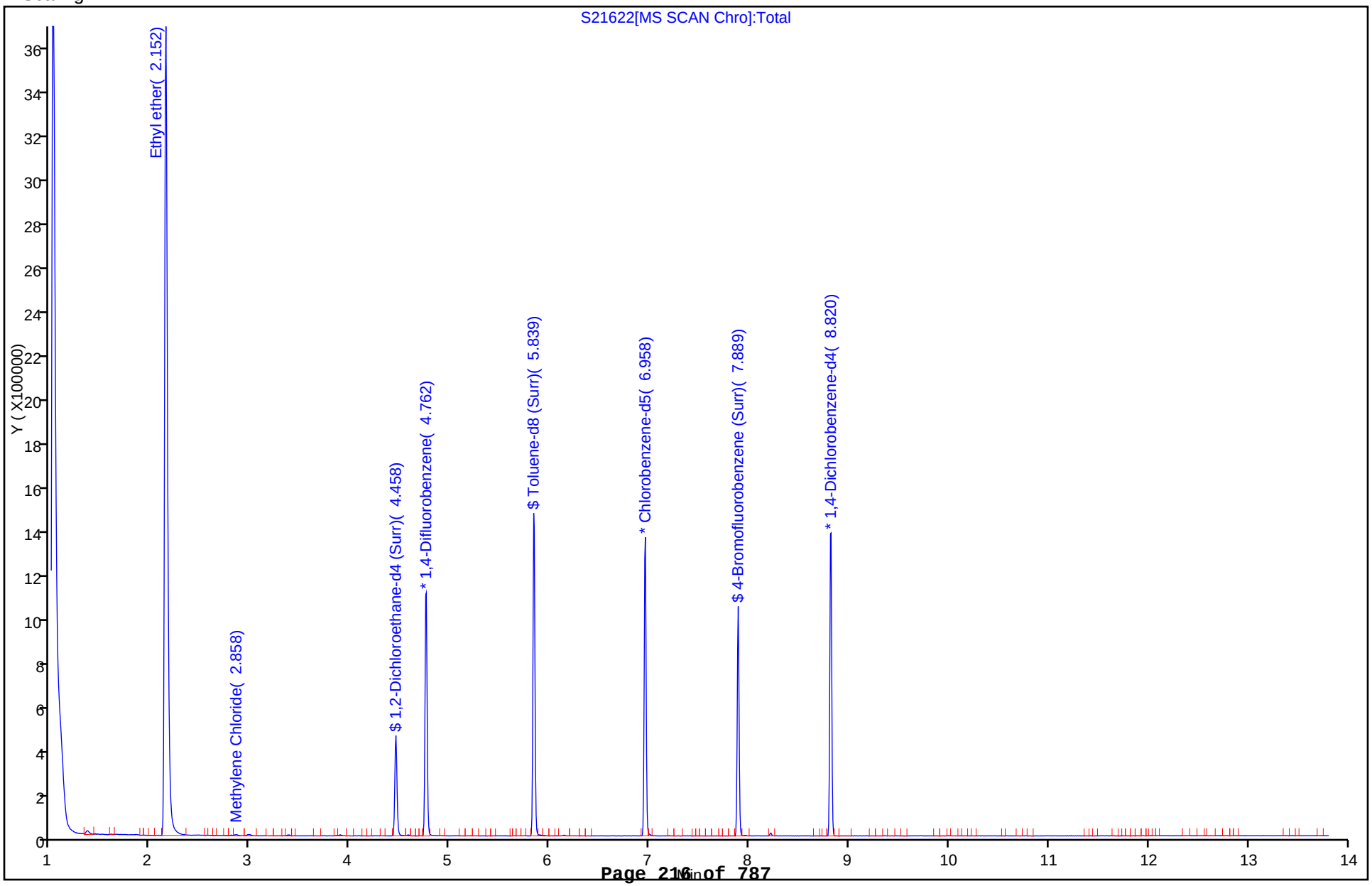
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21622.D

Injection Date:	28-Dec-2012 17:29:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



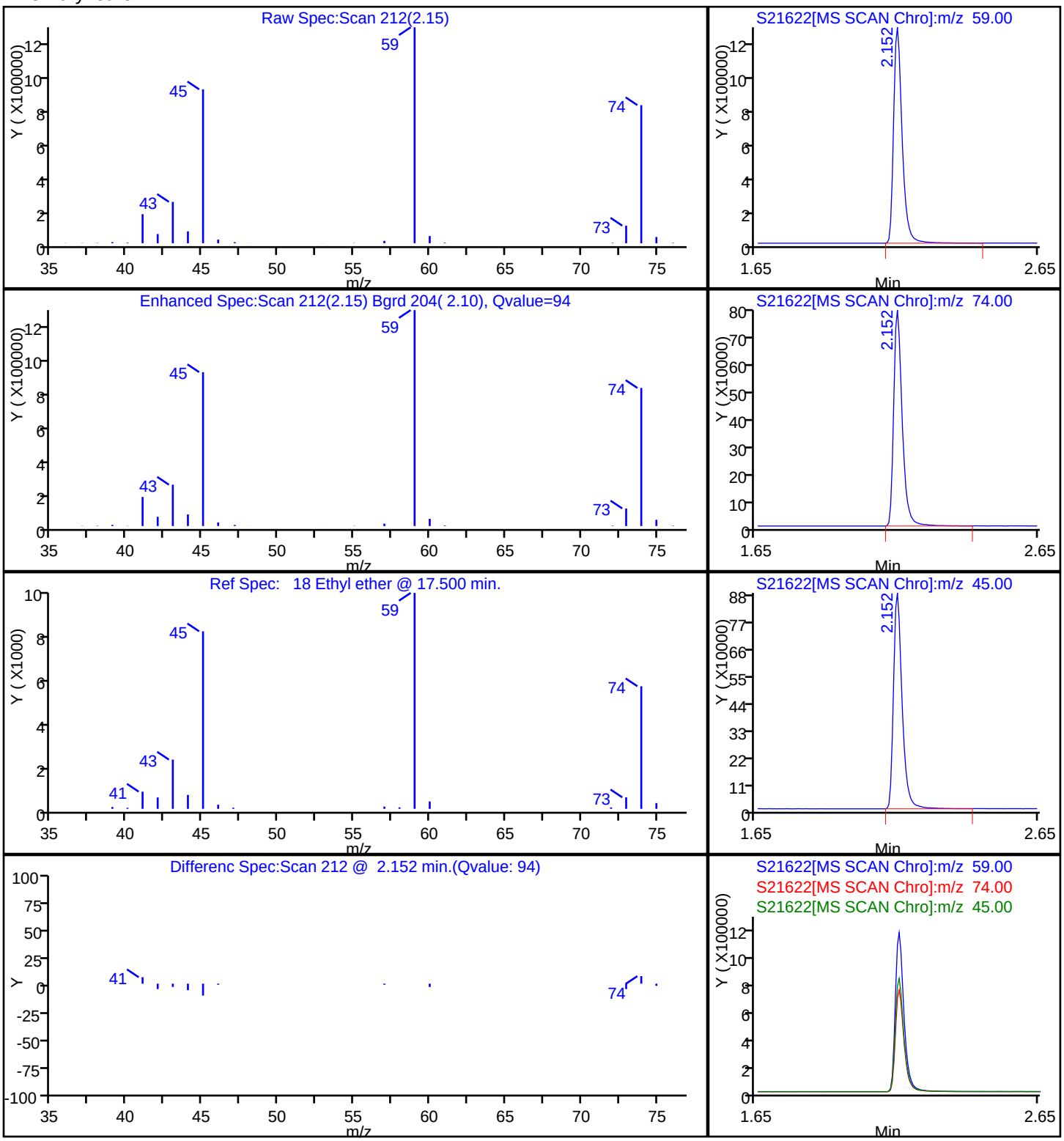
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21622.D

Injection Date:	28-Dec-2012 17:29:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



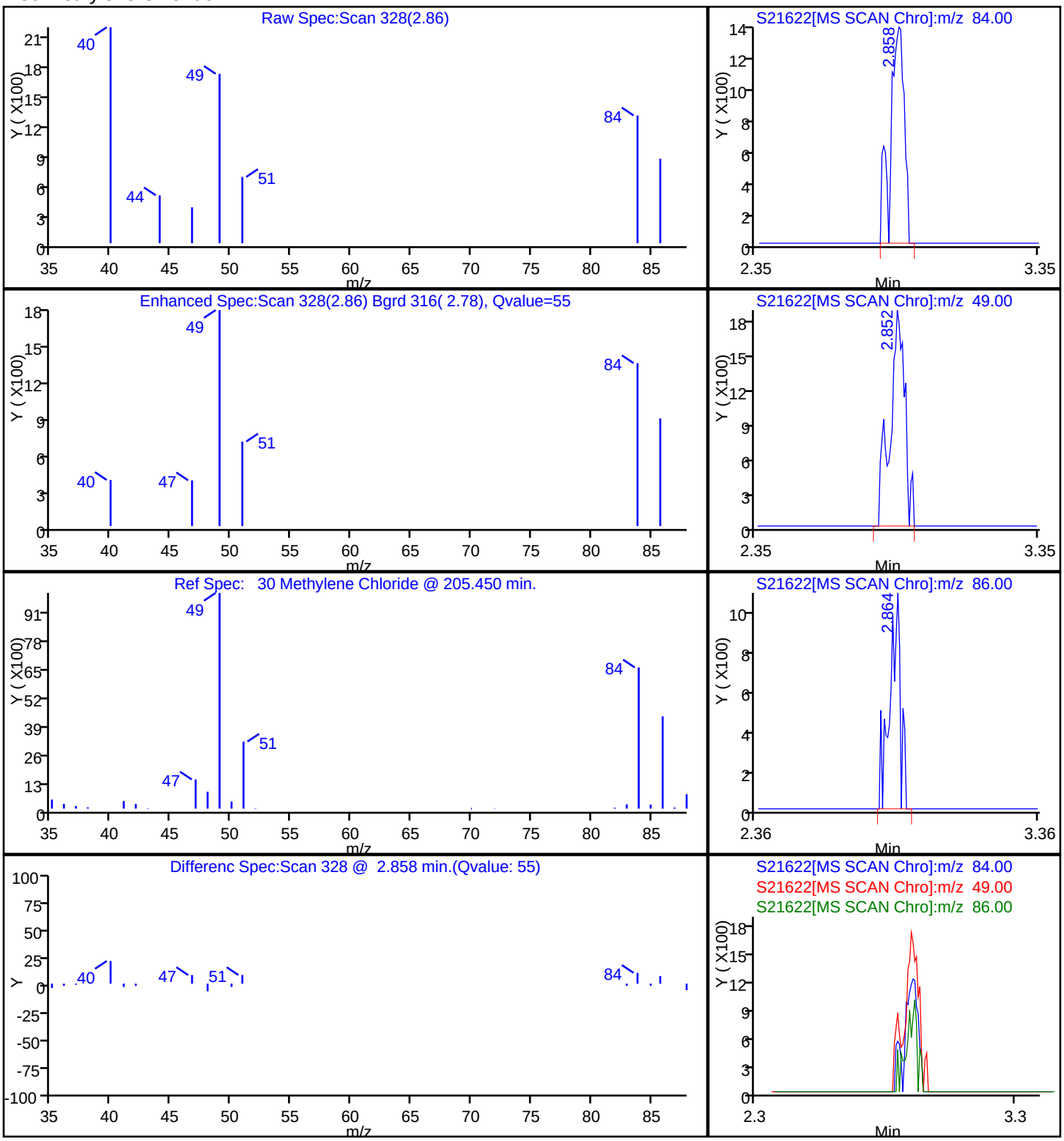
Report Date: 29-Dec-2012 13:35:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21622.D

Injection Date:	28-Dec-2012 17:29:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



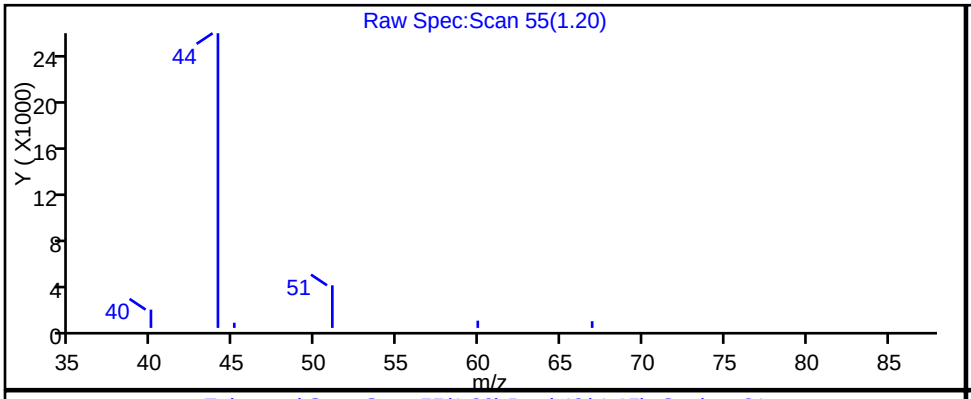
Report Date: 29-Dec-2012 13:35:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

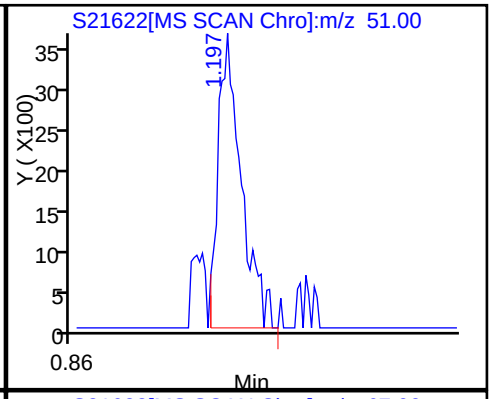
TestAmerica Buffalo

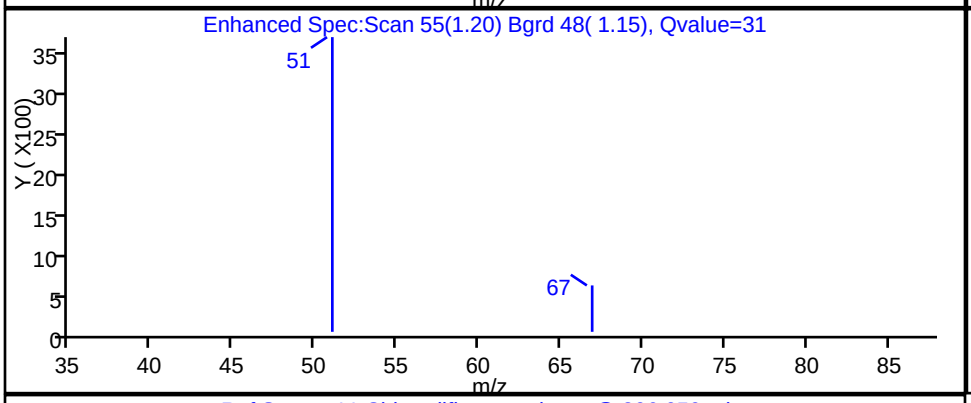
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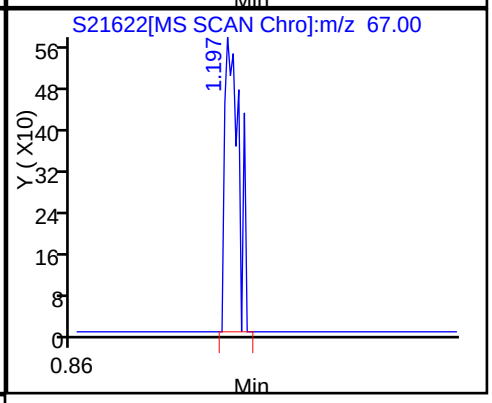
Injection Date:	28-Dec-2012 17:29:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

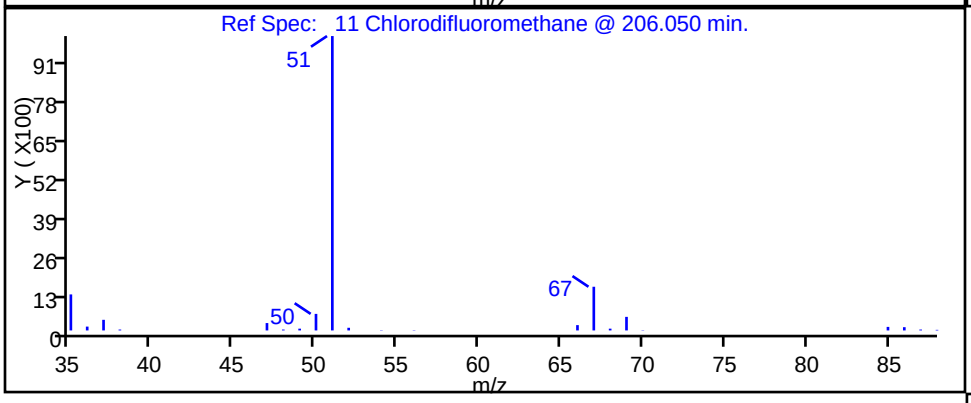
11 Chlorodifluoromethane

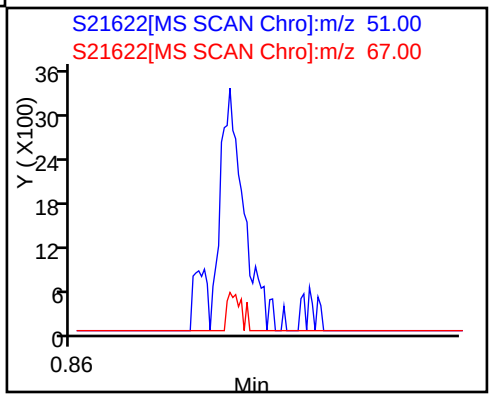












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 DL | Lab Sample ID: 480-30773-7 DL

Matrix: Water | Lab File ID: G18538.D

Analysis Method: 8260B | Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 13:27

Soil Aliquot Vol: | Dilution Factor: 40

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	8.4
79-00-5	1,1,2-Trichloroethane	ND		200	9.2
75-34-3	1,1-Dichloroethane	ND		200	15
75-35-4	1,1-Dichloroethene	ND		200	12
107-06-2	1,2-Dichloroethane	ND		200	8.4
78-87-5	1,2-Dichloropropane	ND		200	29
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		400	50
554-14-3	2-Methylthiophene	ND		400	18
616-44-4	3-Methylthiophene	ND		400	21
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	ND		40	16
75-27-4	Bromodichloromethane	ND		200	16
75-25-2	Bromoform	ND		200	10
74-83-9	Bromomethane	ND		400	28
75-15-0	Carbon disulfide	ND		200	7.6
56-23-5	Carbon tetrachloride	ND		200	11
108-90-7	Chlorobenzene	ND		200	30
75-00-3	Chloroethane	ND		400	13
67-66-3	Chloroform	ND		200	14
74-87-3	Chloromethane	ND		400	14
156-59-2	cis-1,2-Dichloroethene	ND		200	32
10061-01-5	cis-1,3-Dichloropropene	ND		200	14
124-48-1	Dibromochloromethane	ND		200	13
60-29-7	Ethyl ether	2600		400	29
100-41-4	Ethylbenzene	ND		200	30
179601-23-1	m&p-Xylene	ND		200	26
75-09-2	Methylene Chloride	29	J B	200	18
95-47-6	o-Xylene	ND		200	30
100-42-5	Styrene	ND		200	29
127-18-4	Tetrachloroethene	ND		200	14
108-88-3	Toluene	ND		200	20
156-60-5	trans-1,2-Dichloroethene	ND		200	36
10061-02-6	trans-1,3-Dichloropropene	ND		200	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 DL Lab Sample ID: 480-30773-7 DL

Matrix: Water Lab File ID: G18538.D

Analysis Method: 8260B Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 13:27

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*200*	*18*
75-01-4	*Vinyl chloride*	*ND*		*400*	*36*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
2037-26-5	Toluene-d8 (Surr)	111		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-007 DL | Lab Sample ID: 480-30773-7 DL

Matrix: Water | Lab File ID: G18538.D

Analysis Method: 8260B | Date Collected: 12/19/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 13:27

Soil Aliquot Vol: | Dilution Factor: 40

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

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

Analysis Batch No.: 97793 | Units: ug/L

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\HP5973G\20121229-17927.b\G18538.D
Lims ID: 480-30773-B-7 Client ID: GW-44538-121912-007
Inject. Date: 29-Dec-2012 13:27:30 Dil. Factor: 40.0000
Sample Type: Client
Sample ID: 480-30773-B-7
Misc. Info.: 480-0017927-010 =480-0017927-010
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 97793 Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 16:11:19 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:44:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	468781	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	251004	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	222559	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	127250	26.2	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	708705	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	87	202893	28.1	
12 Chloromethane	50		1.621					9
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					9
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.658	2.651	0.007	94	325006	64.9	
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43		2.968					
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.401	3.401	0.0	80	6964	0.7287	
32 trans-1,2-Dichloroethene	96		3.609					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					9
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.748					
90 m-Xylene & p-Xylene	106		8.870					
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

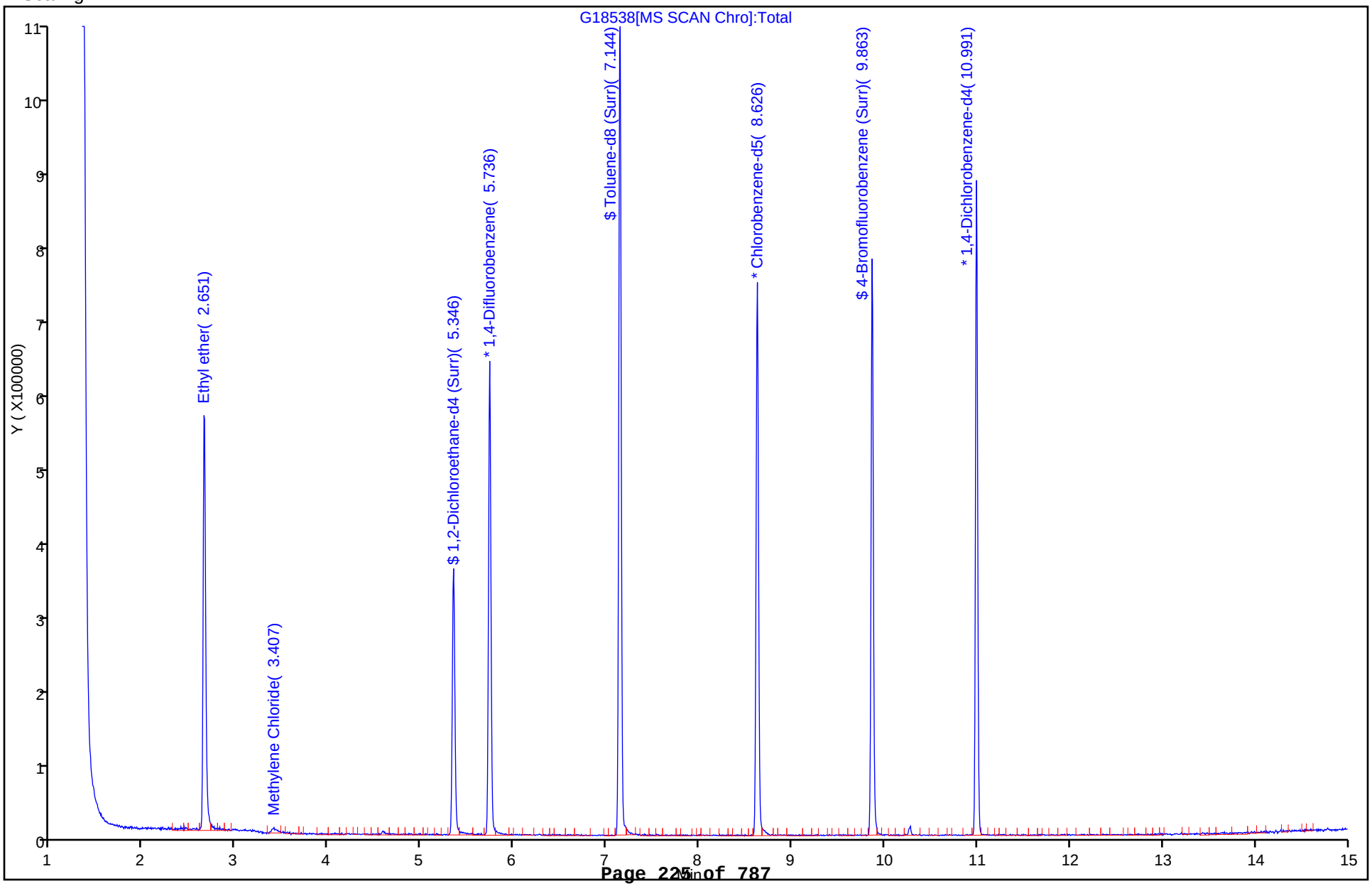
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18538.D

Injection Date:	29-Dec-2012 13:27:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



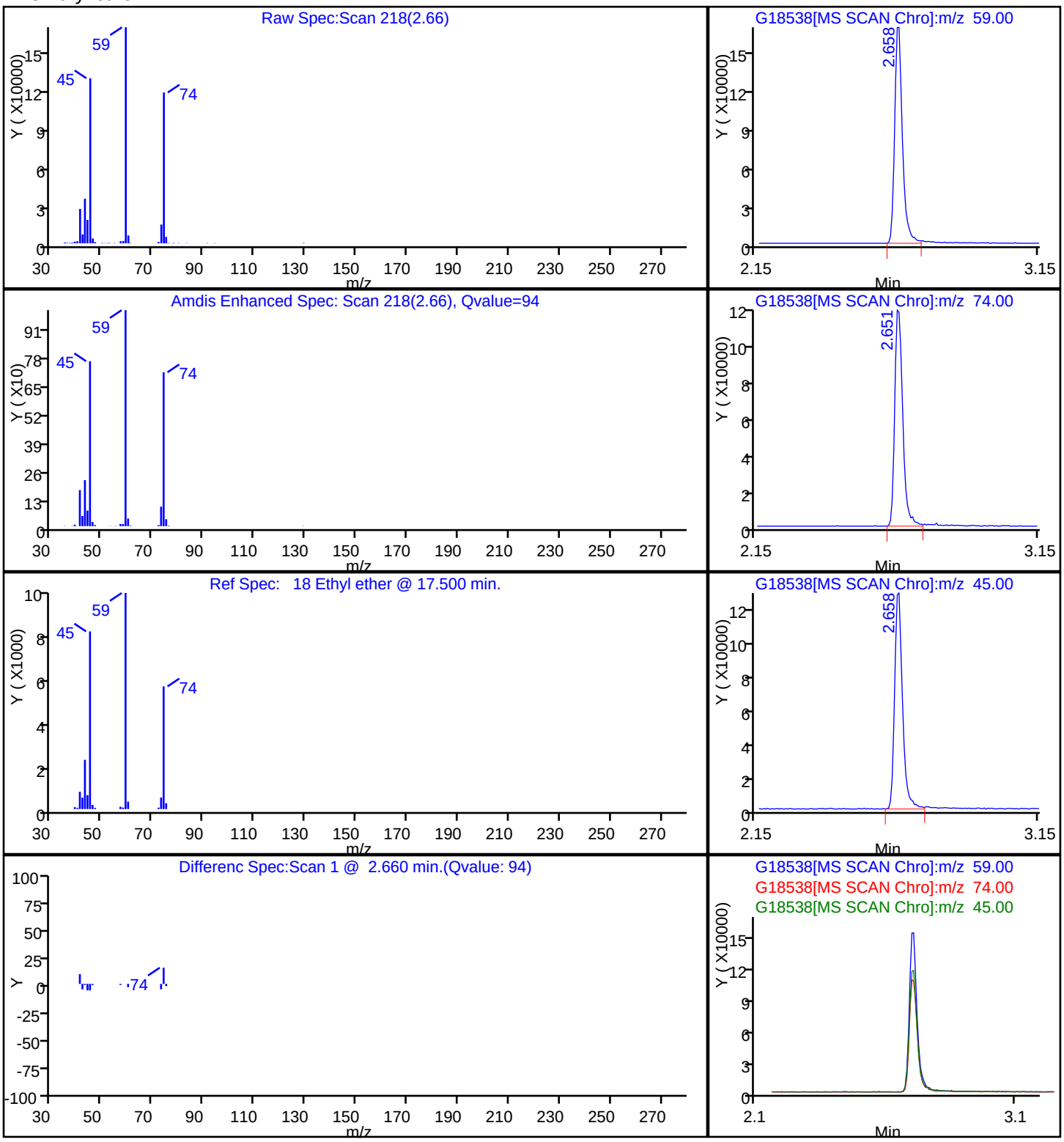
Report Date: 30-Dec-2012 16:11:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18538.D

Injection Date:	29-Dec-2012 13:27:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



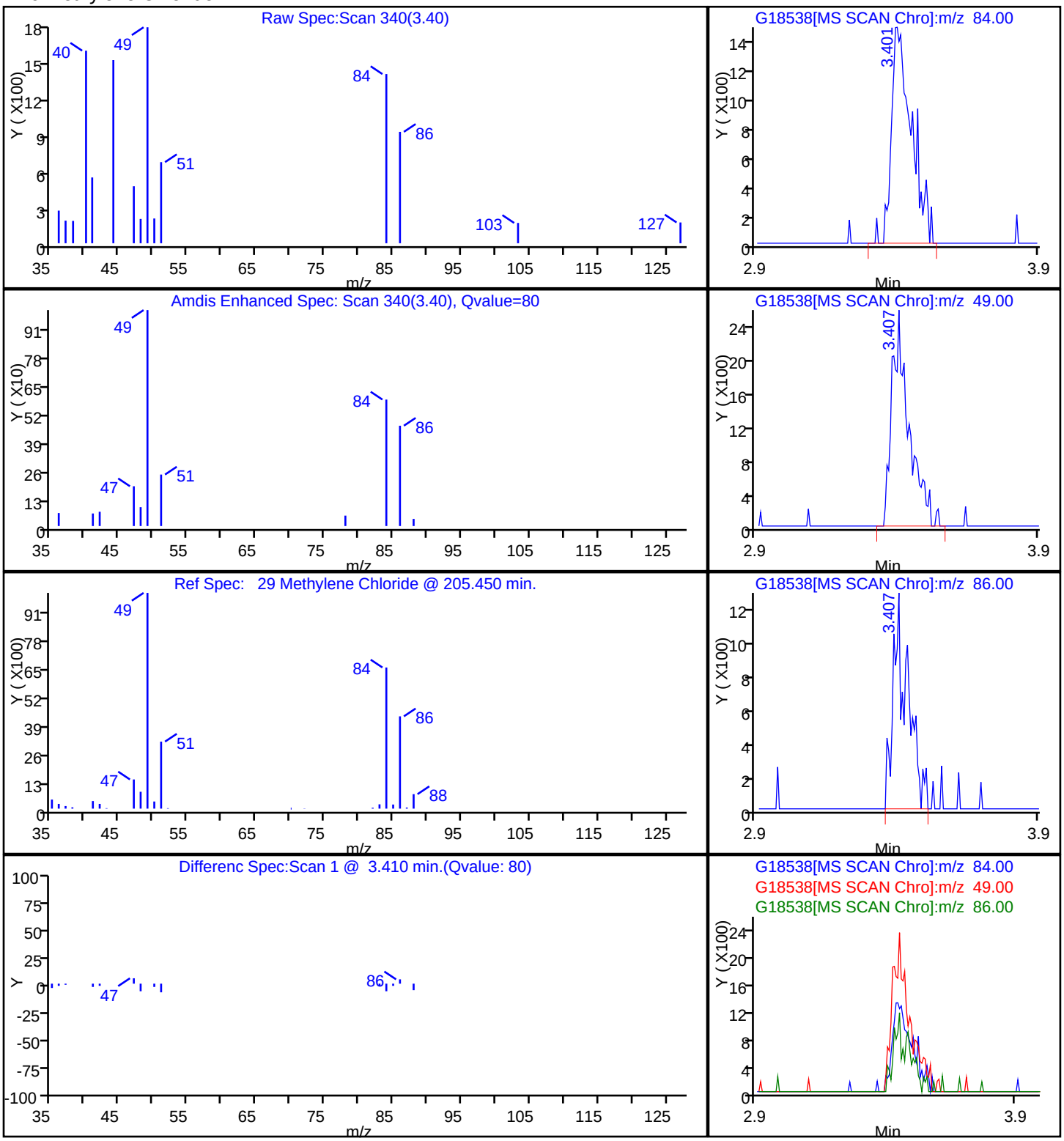
Report Date: 30-Dec-2012 16:11:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18538.D

Injection Date:	29-Dec-2012 13:27:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-007	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	10
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 | Lab Sample ID: 480-30773-8

Matrix: Water | Lab File ID: S21623.D

Analysis Method: 8260B | Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:51

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	*Ethyl ether*	*140*	*E*	*10*	*0.72*
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 | Lab Sample ID: 480-30773-8

Matrix: Water | Lab File ID: S21623.D

Analysis Method: 8260B | Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:51

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 | Lab Sample ID: 480-30773-8

Matrix: Water | Lab File ID: S21623.D

Analysis Method: 8260B | Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 17:51

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 1.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	1.8	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21623.D
Lims ID: 480-30773-A-8 Client ID: GW-44538-121912-008
Inject. Date: 28-Dec-2012 17:51:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-A-8
Misc. Info.: 480-0017912-016 =480-0017912-016
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 97675 Lims Sample ID: 16
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:35:30 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:35:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	691606	25.0	
* 2 Chlorobenzene-d5	82	6.952	6.952	0.0	89	359418	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	293160	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	131102	27.3	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	747734	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	85	199393	22.4	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	94	1117327	141.9	E
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					19
74 Toluene	92		5.887					19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					19
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21623.D		
Lims ID:	480-30773-A-8	Client ID:	GW-44538-121912-008
Inject. Date:	28-Dec-2012 17:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-A-8		
Misc. Info.:	480-0017912-016 =480-0017912-016		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	19
Lims Batch ID:	97675	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:35:30	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:35:55

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.197	6693	1.79	
Ethyl acetate	3.874	3252	0.3152	

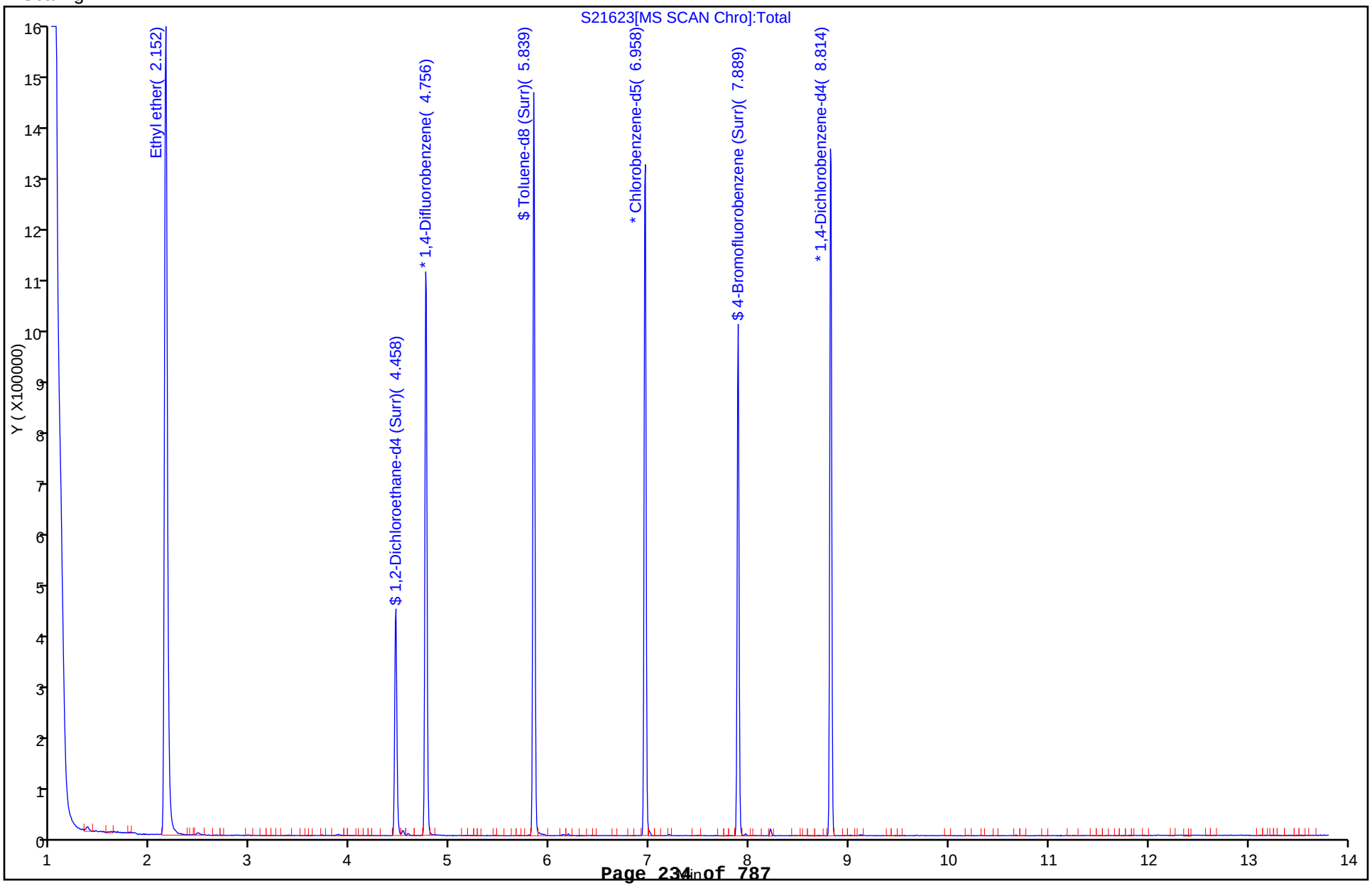
Report Date: 29-Dec-2012 13:35:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21623.D

Injection Date:	28-Dec-2012 17:51:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	16
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



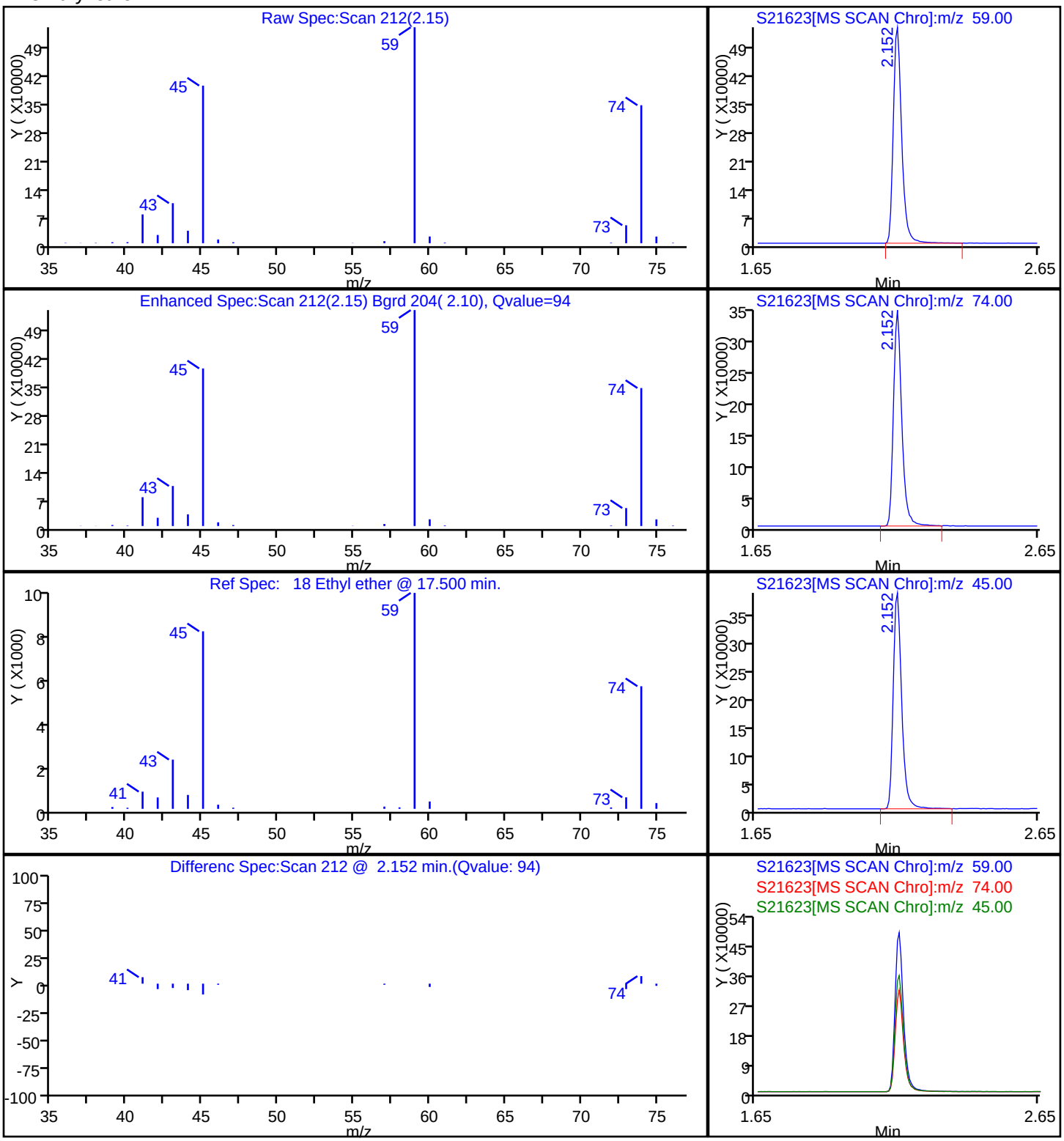
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21623.D

Injection Date:	28-Dec-2012 17:51:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	16
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



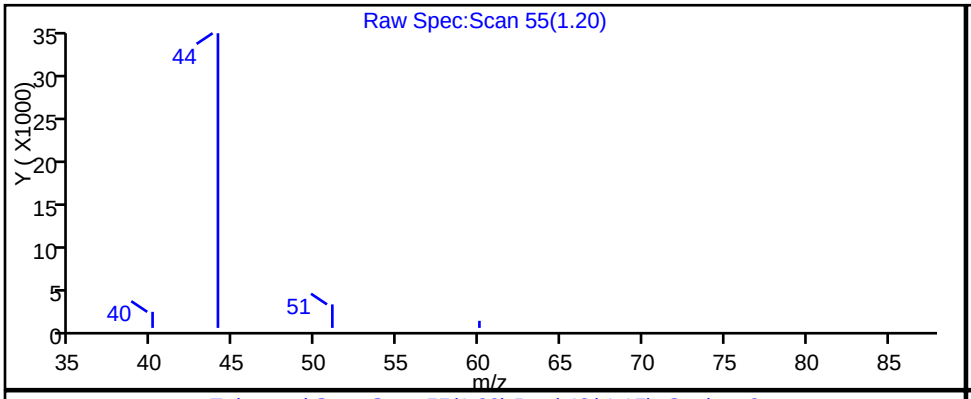
Report Date: 29-Dec-2012 13:35:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

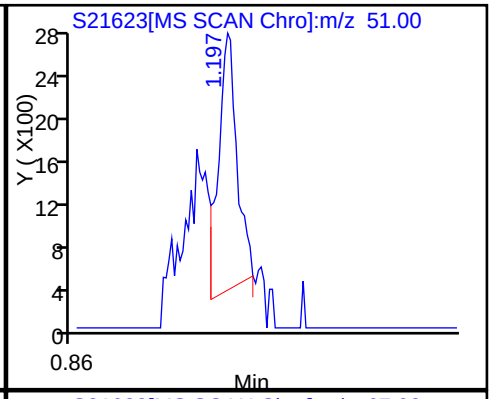
TestAmerica Buffalo

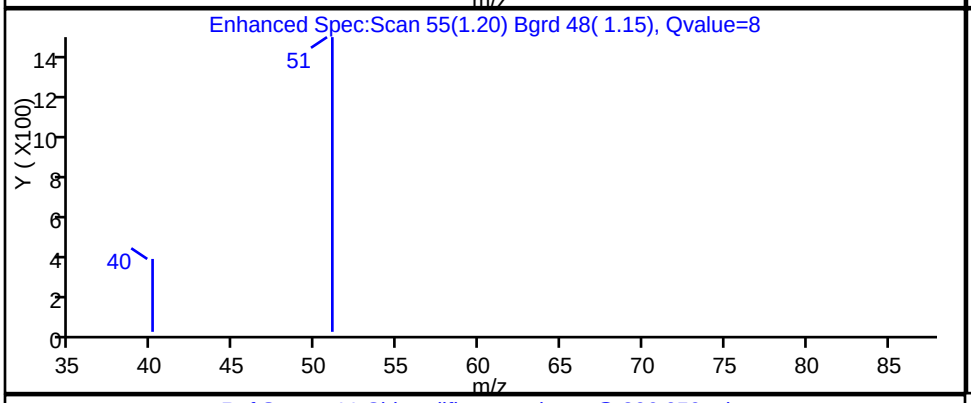
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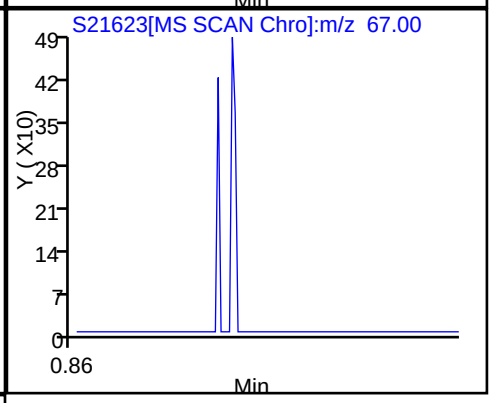
Injection Date:	28-Dec-2012 17:51:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	16
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

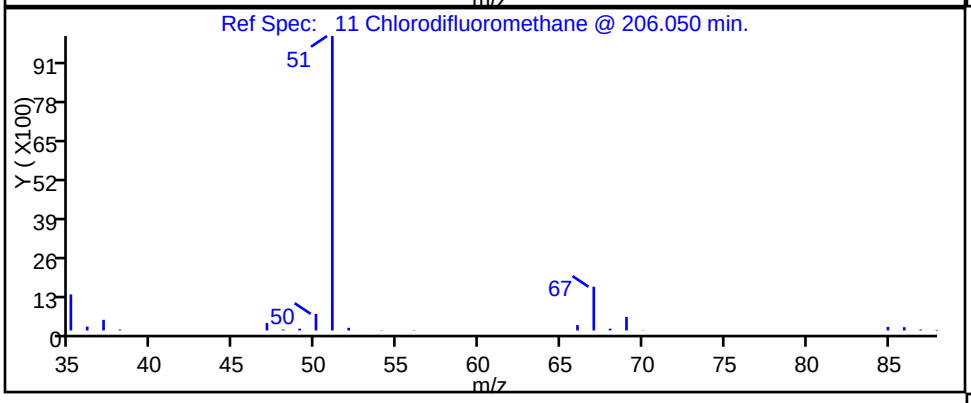
11 Chlorodifluoromethane

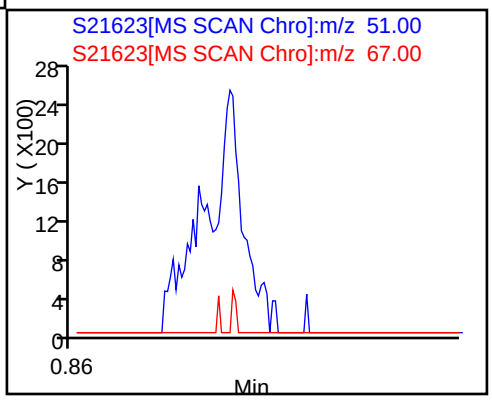












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 DL | Lab Sample ID: 480-30773-8 DL

Matrix: Water | Lab File ID: G18539.D

Analysis Method: 8260B | Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 13:50

Soil Aliquot Vol: | Dilution Factor: 2

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	0.42
79-00-5	1,1,2-Trichloroethane	ND		10	0.46
75-34-3	1,1-Dichloroethane	ND		10	0.76
75-35-4	1,1-Dichloroethene	ND		10	0.58
107-06-2	1,2-Dichloroethane	ND		10	0.42
78-87-5	1,2-Dichloropropane	ND		10	1.4
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		20	2.5
554-14-3	2-Methylthiophene	ND		20	0.88
616-44-4	3-Methylthiophene	ND		20	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		10	0.78
75-25-2	Bromoform	ND		10	0.52
74-83-9	Bromomethane	ND		20	1.4
75-15-0	Carbon disulfide	ND		10	0.38
56-23-5	Carbon tetrachloride	ND		10	0.54
108-90-7	Chlorobenzene	ND		10	1.5
75-00-3	Chloroethane	ND		20	0.64
67-66-3	Chloroform	ND		10	0.68
74-87-3	Chloromethane	ND		20	0.70
156-59-2	cis-1,2-Dichloroethene	ND		10	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		10	0.72
124-48-1	Dibromochloromethane	ND		10	0.64
60-29-7	Ethyl ether	160		20	1.4
100-41-4	Ethylbenzene	ND		10	1.5
179601-23-1	m&p-Xylene	ND		10	1.3
75-09-2	Methylene Chloride	1.1	J B	10	0.88
95-47-6	o-Xylene	ND		10	1.5
100-42-5	Styrene	ND		10	1.5
127-18-4	Tetrachloroethene	ND		10	0.72
108-88-3	Toluene	ND		10	1.0
156-60-5	trans-1,2-Dichloroethene	ND		10	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		10	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 DL Lab Sample ID: 480-30773-8 DL

Matrix: Water Lab File ID: G18539.D

Analysis Method: 8260B Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 13:50

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*10*	*0.92*
75-01-4	*Vinyl chloride*	*ND*		*20*	*1.8*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-008 DL | Lab Sample ID: 480-30773-8 DL

Matrix: Water | Lab File ID: G18539.D

Analysis Method: 8260B | Date Collected: 12/19/2012 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 13:50

Soil Aliquot Vol: | Dilution Factor: 2

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

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

Analysis Batch No.: 97793 | Units: ug/L

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\HP5973G\20121229-17927.b\G18539.D
Lims ID: 480-30773-B-8 Client ID: GW-44538-121912-008
Inject. Date: 29-Dec-2012 13:50:30 Dil. Factor: 2.0000
Sample Type: Client
Sample ID: 480-30773-B-8
Misc. Info.: 480-0017927-011 =480-0017927-011
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 97793 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 16:11:56 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:45:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	481552	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	250710	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	98	211154	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	130237	26.1	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	717719	28.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	200608	27.9	
12 Chloromethane	50		1.621					
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					9
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.657	2.651	0.006	94	416147	80.9	
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43		2.968					
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.401	3.401	0.0	33	5305	0.5404	
32 trans-1,2-Dichloroethene	96		3.609					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					9
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.748					9
90 m-Xylene & p-Xylene	106		8.870					
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

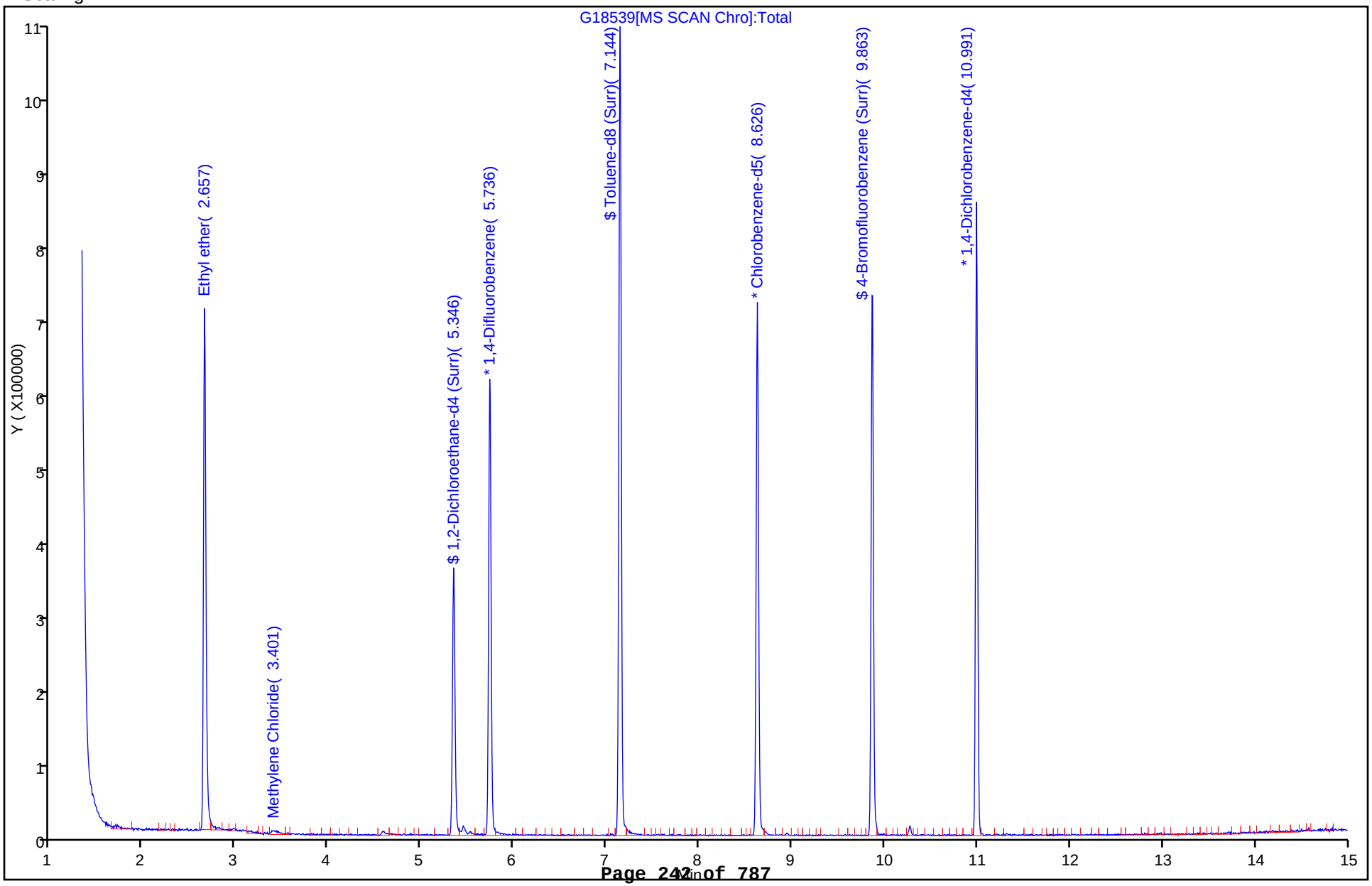
Report Date: 30-Dec-2012 16:11:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18539.D

Injection Date:	29-Dec-2012 13:50:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	11
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



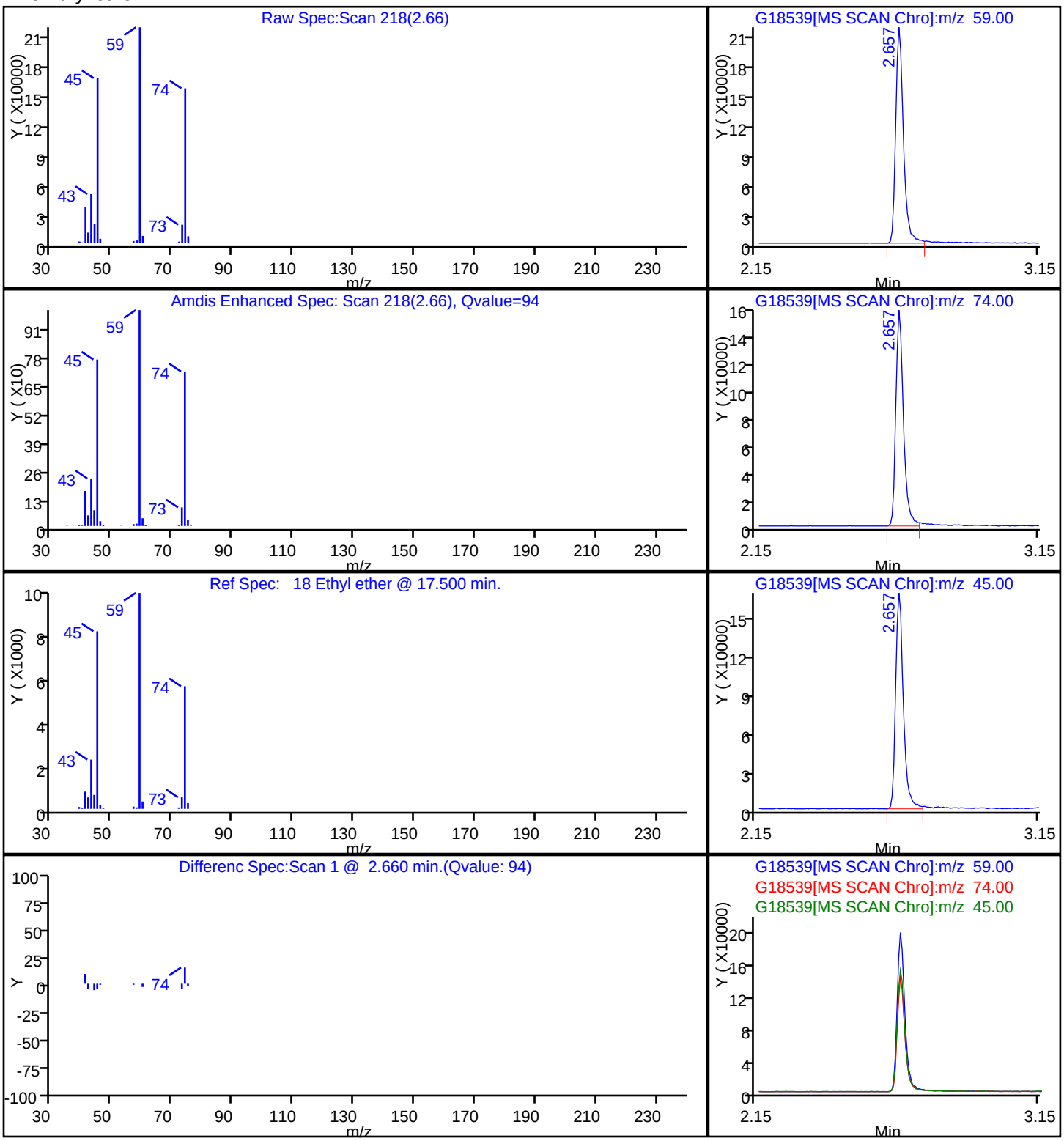
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18539.D

Injection Date:	29-Dec-2012 13:50:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	11
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



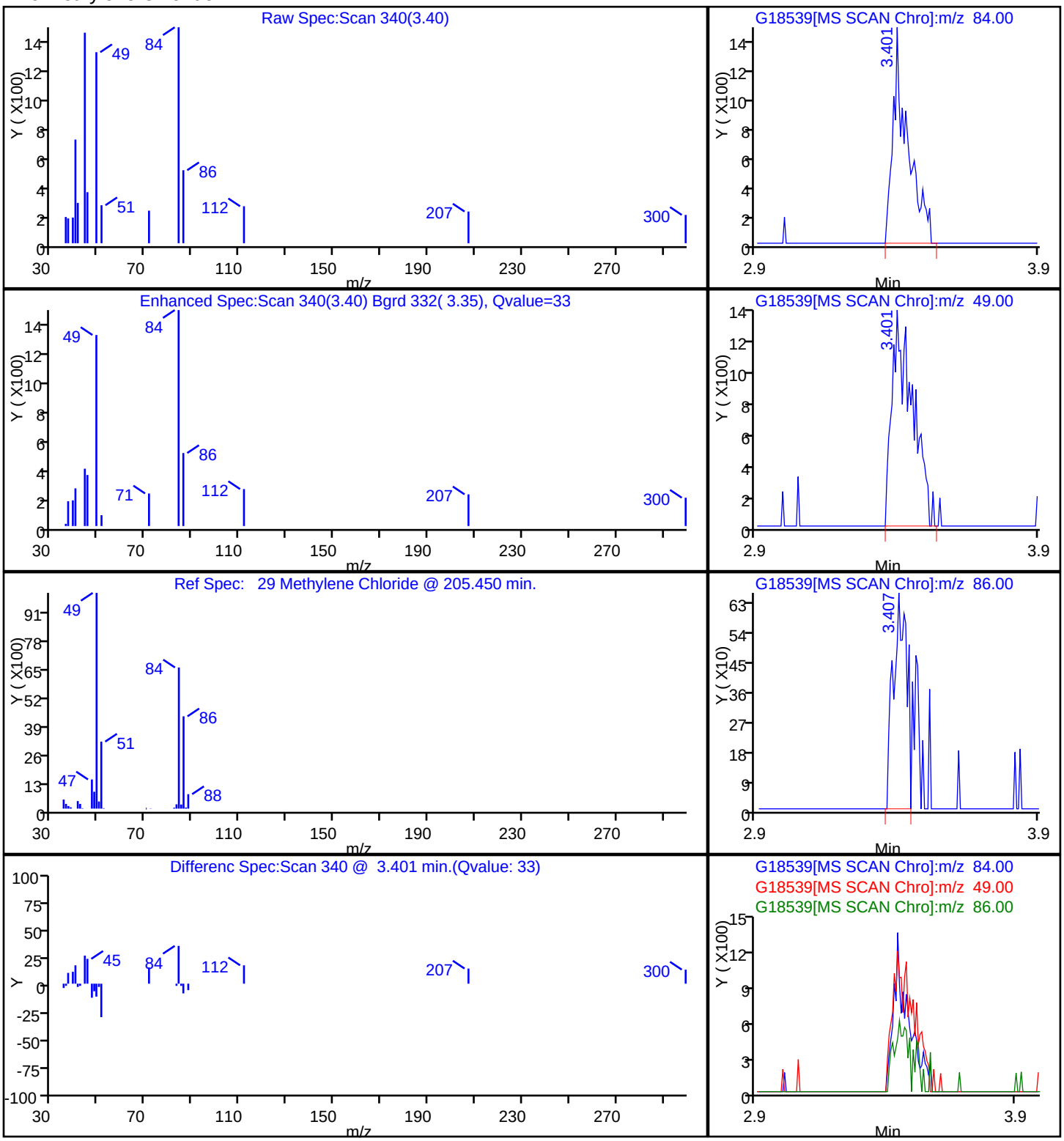
Report Date: 30-Dec-2012 16:11:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18539.D

Injection Date:	29-Dec-2012 13:50:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-008	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	11
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-011 | Lab Sample ID: 480-30773-9

Matrix: Water | Lab File ID: S21624.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:13

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	ND		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	100		50	3.6
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	ND		25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	Toluene	ND		25	2.6
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-011 Lab Sample ID: 480-30773-9

Matrix: Water Lab File ID: S21624.D

Analysis Method: 8260B Date Collected: 12/19/2012 14:30

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 18:13

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-011 | Lab Sample ID: 480-30773-9

Matrix: Water | Lab File ID: S21624.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:13

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 16

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.21	16	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21624.D
Lims ID: 480-30773-A-9 Client ID: GW-44538-121912-011
Inject. Date: 28-Dec-2012 18:13:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-9
Misc. Info.: 480-0017912-017 =480-0017912-017
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 20
Lims Batch ID: 97675 Lims Sample ID: 17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:36:24 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:36:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	674719	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	353692	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	291683	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	129241	27.5	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	735801	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	199571	22.8	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	95	155668	20.3	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					19
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.858	2.852	0.006	32	3455	0.3701	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					29
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

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\HP5973S\20121228-17912.b\S21624.D		
Lims ID:	480-30773-A-9	Client ID:	GW-44538-121912-011
Inject. Date:	28-Dec-2012 18:13:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-30773-A-9		
Misc. Info.:	480-0017912-017 =480-0017912-017		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	20
Lims Batch ID:	97675	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:36:24	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:36:24

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.209	16673	3.28	

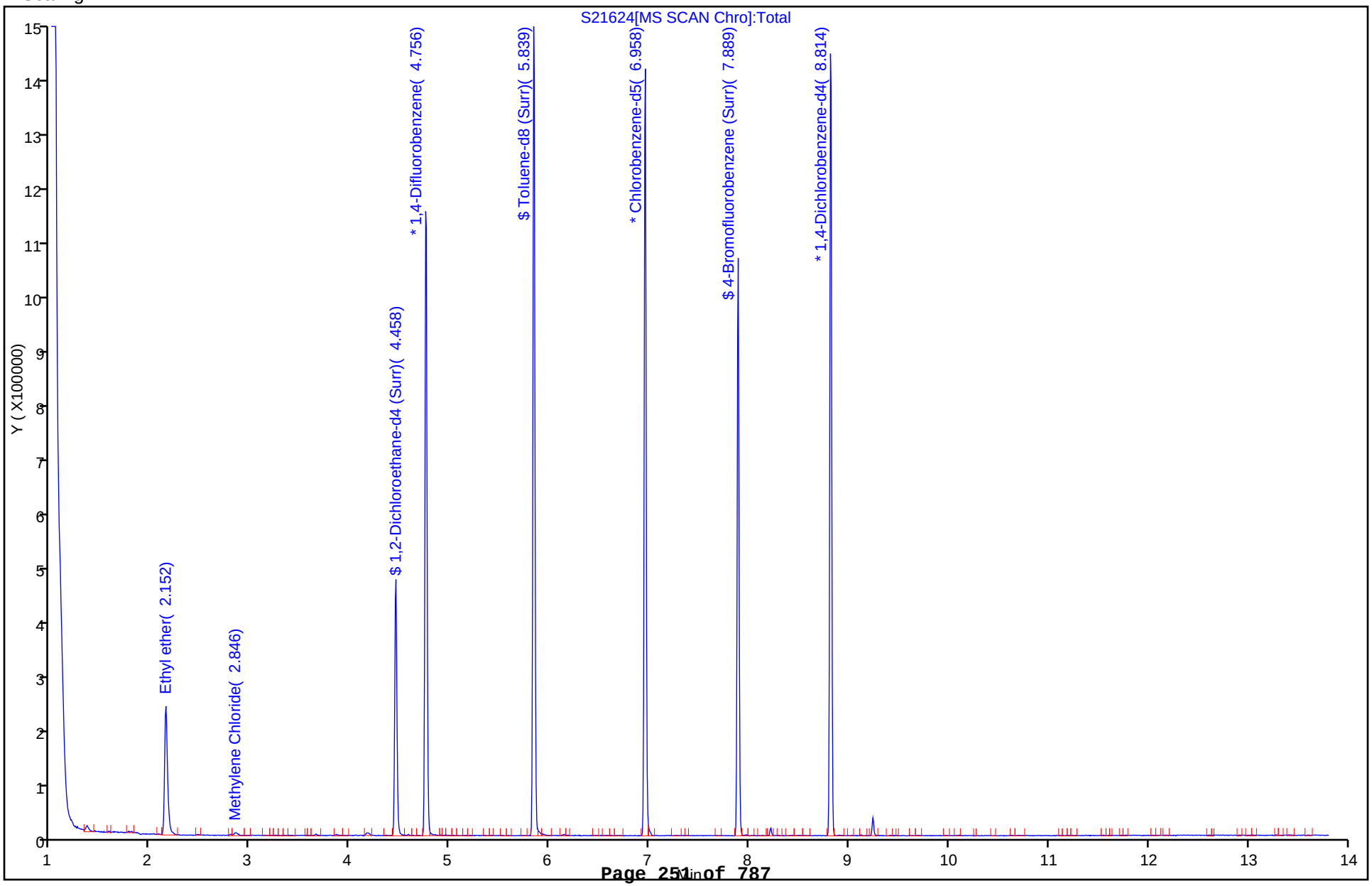
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21624.D

Injection Date:	28-Dec-2012 18:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-011	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	17
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



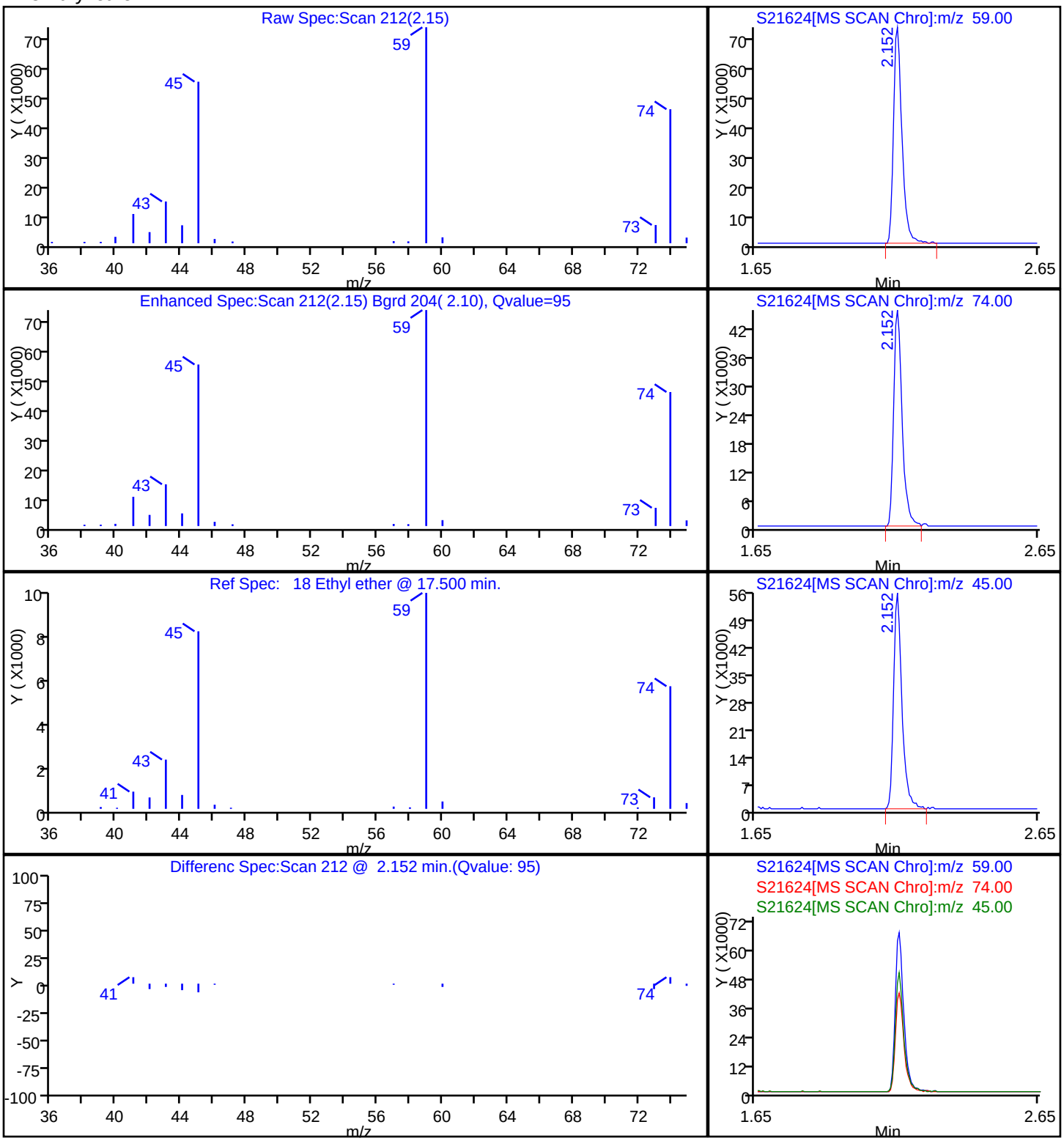
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21624.D

Injection Date:	28-Dec-2012 18:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-011	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	17
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



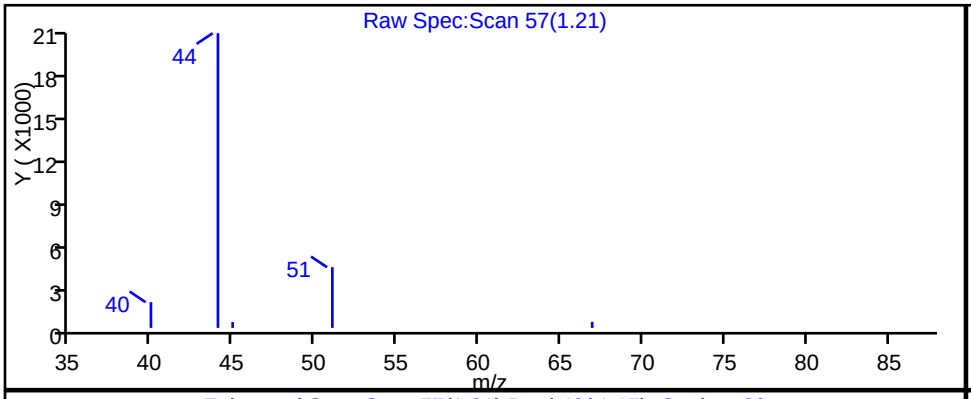
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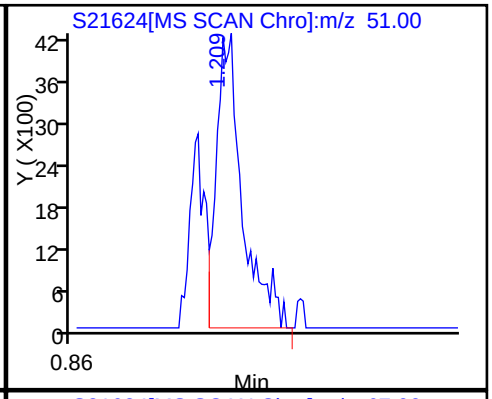
TestAmerica Buffalo

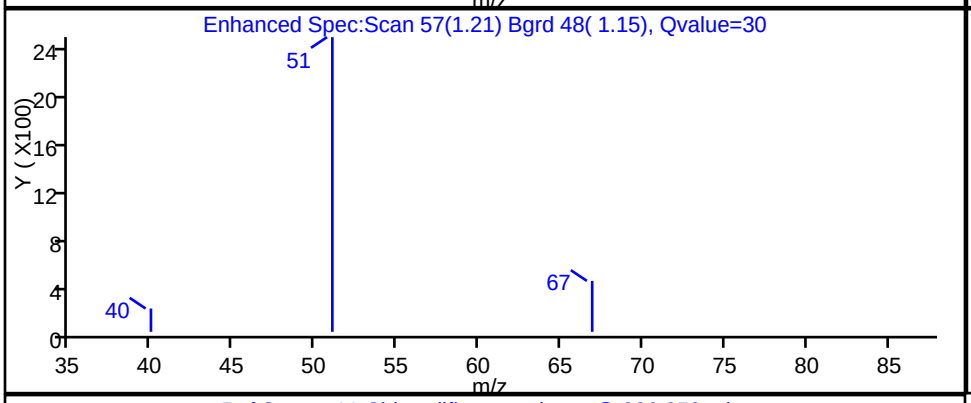
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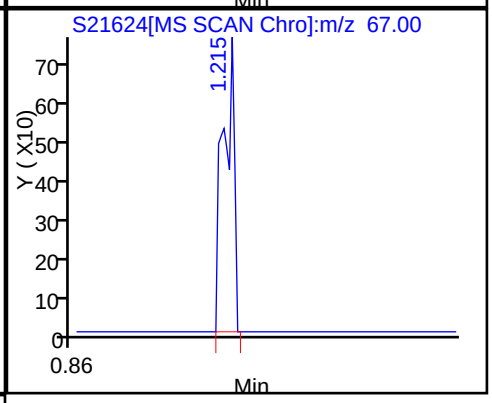
Injection Date:	28-Dec-2012 18:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-011	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	17
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

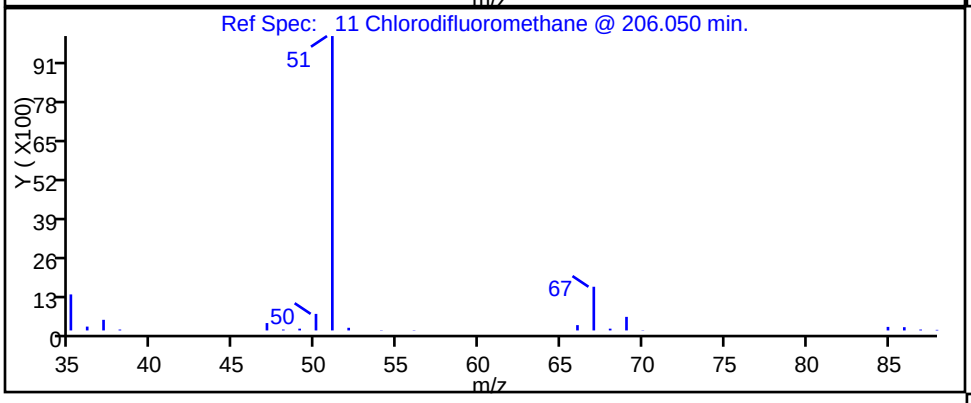
11 Chlorodifluoromethane

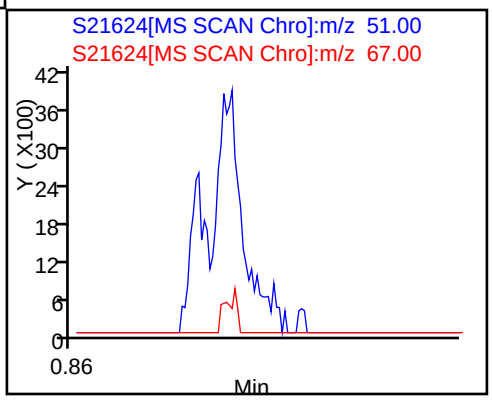












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-012 | Lab Sample ID: 480-30773-10

Matrix: Water | Lab File ID: S21625.D

Analysis Method: 8260B | Date Collected: 12/19/2012 15:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:34

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	2.1
79-00-5	1,1,2-Trichloroethane	ND		50	2.3
75-34-3	1,1-Dichloroethane	ND		50	3.8
75-35-4	1,1-Dichloroethene	ND		50	2.9
107-06-2	1,2-Dichloroethane	ND		50	2.1
78-87-5	1,2-Dichloropropane	ND		50	7.2
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		100	12
554-14-3	2-Methylthiophene	ND		100	4.4
616-44-4	3-Methylthiophene	ND		100	5.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		50	3.9
75-25-2	Bromoform	ND		50	2.6
74-83-9	Bromomethane	ND		100	6.9
75-15-0	Carbon disulfide	ND		50	1.9
56-23-5	Carbon tetrachloride	ND		50	2.7
108-90-7	Chlorobenzene	ND		50	7.5
75-00-3	Chloroethane	ND		100	3.2
67-66-3	Chloroform	ND		50	3.4
74-87-3	Chloromethane	ND		100	3.5
156-59-2	cis-1,2-Dichloroethene	ND		50	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		50	3.6
124-48-1	Dibromochloromethane	ND		50	3.2
60-29-7	Ethyl ether	440		100	7.2
100-41-4	Ethylbenzene	ND		50	7.4
179601-23-1	m&p-Xylene	ND		50	6.6
75-09-2	Methylene Chloride	4.9	J	50	4.4
95-47-6	o-Xylene	ND		50	7.6
100-42-5	Styrene	ND		50	7.3
127-18-4	Tetrachloroethene	ND		50	3.6
108-88-3	Toluene	ND		50	5.1
156-60-5	trans-1,2-Dichloroethene	ND		50	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		50	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-012 Lab Sample ID: 480-30773-10

Matrix: Water Lab File ID: S21625.D

Analysis Method: 8260B Date Collected: 12/19/2012 15:30

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 18:34

Soil Aliquot Vol: Dilution Factor: 10

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		50	4.6
75-01-4	Vinyl chloride	ND		100	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-012 | Lab Sample ID: 480-30773-10

Matrix: Water | Lab File ID: S21625.D

Analysis Method: 8260B | Date Collected: 12/19/2012 15:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:34

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 110

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
75-45-6	Chlorodifluoromethane	1.20	110	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21625.D
Lims ID: 480-30773-A-10 Client ID: GW-44538-121912-012
Inject. Date: 28-Dec-2012 18:34:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 480-30773-A-10
Misc. Info.: 480-0017912-018 =480-0017912-018
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 97675 Lims Sample ID: 18
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:36:48 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:36:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	677690	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	358792	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	287847	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	131912	28.0	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	735795	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	197767	22.3	
12 Chloromethane	50		1.288					19
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	94	337772	43.8	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					19
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.852	2.852	0.0	46	4628	0.4936	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

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\HP5973S\20121228-17912.b\S21625.D		
Lims ID:	480-30773-A-10	Client ID:	GW-44538-121912-012
Inject. Date:	28-Dec-2012 18:34:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-30773-A-10		
Misc. Info.:	480-0017912-018 =480-0017912-018		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	21
Lims Batch ID:	97675	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:36:48	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:36:48

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Chlorodifluoromethane	1.197	72411	11.4	

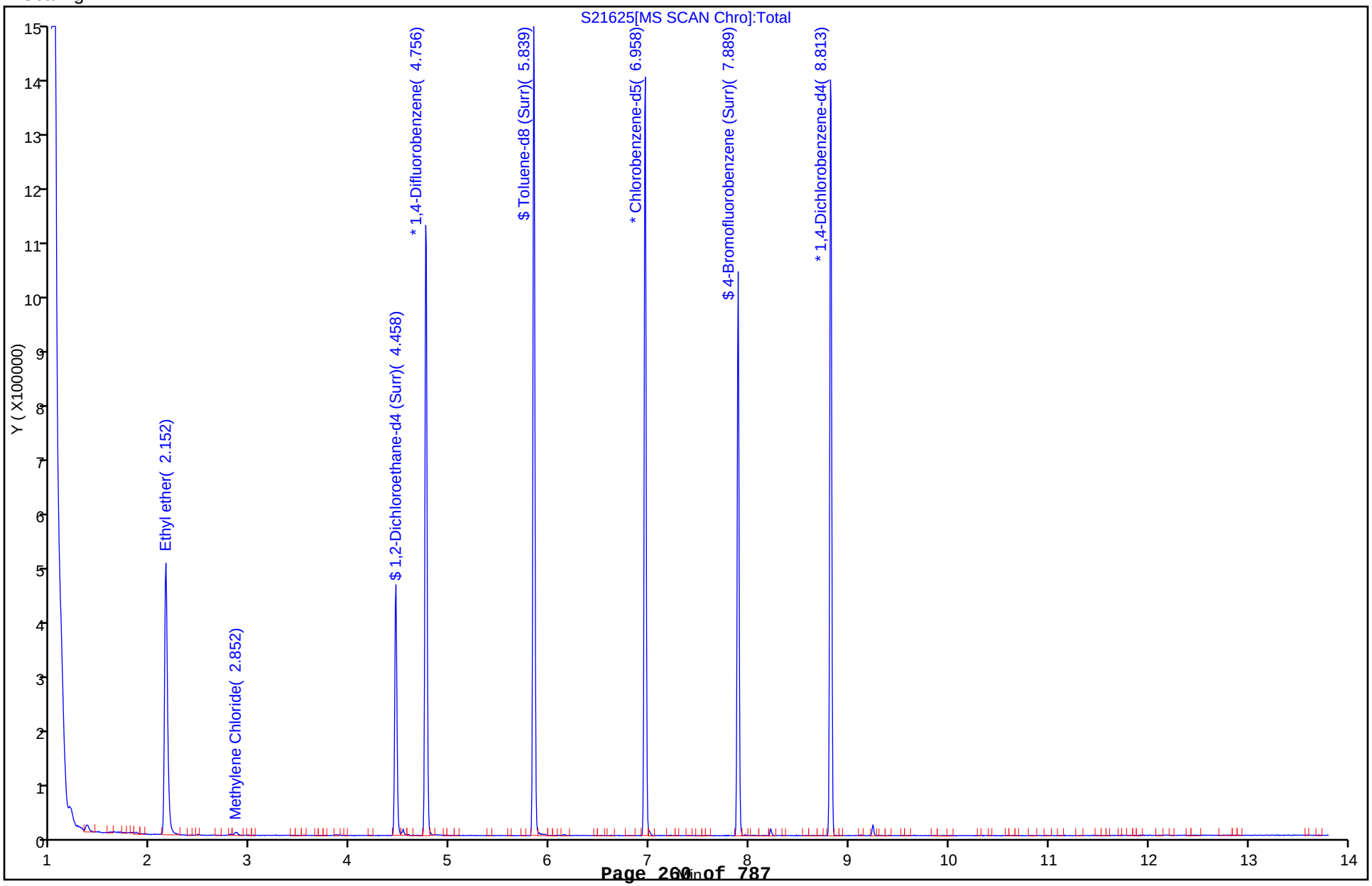
Report Date: 29-Dec-2012 13:36:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21625.D

Injection Date:	28-Dec-2012 18:34:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-012	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	18
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



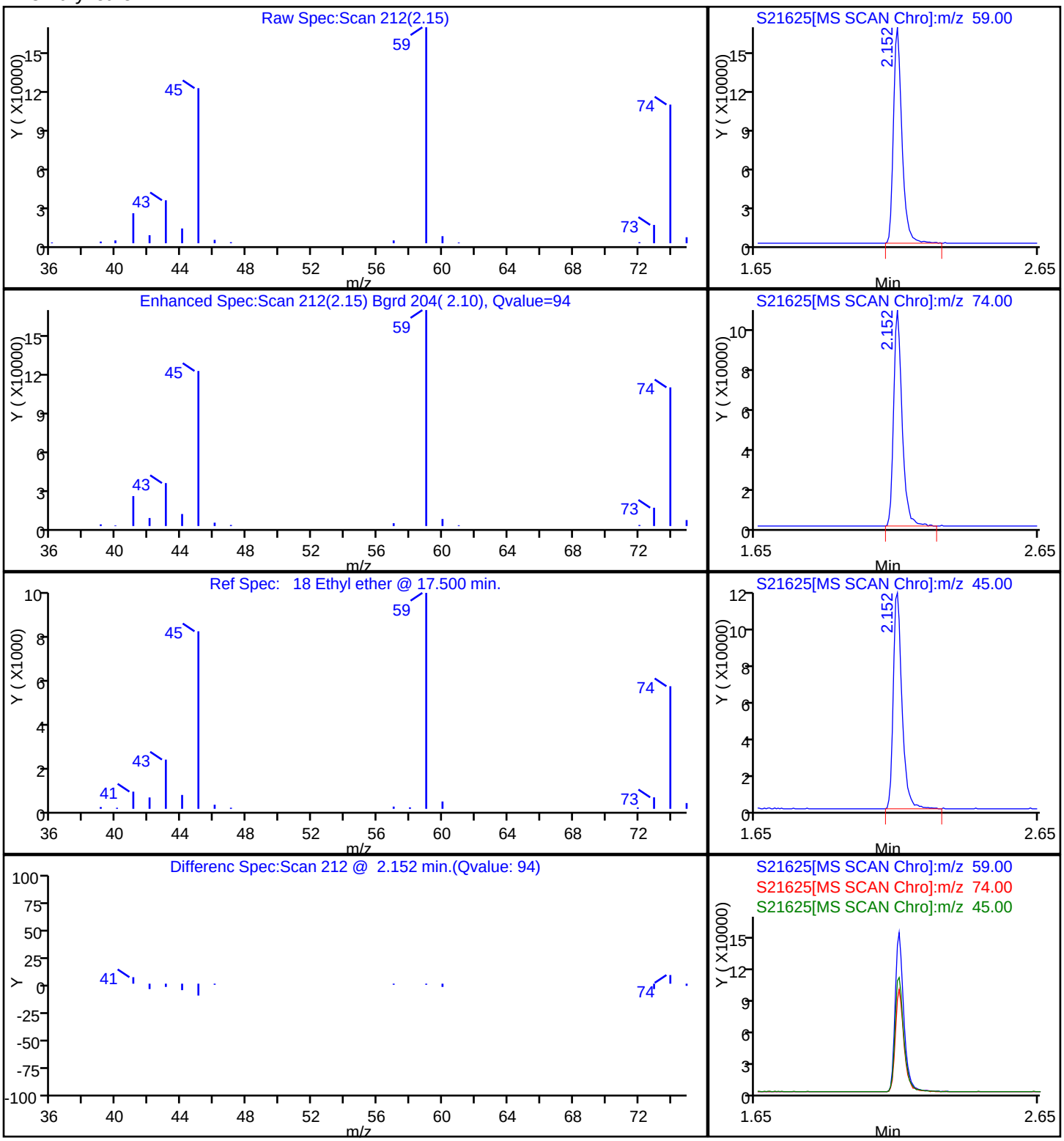
Report Date: 29-Dec-2012 13:36:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21625.D

Injection Date:	28-Dec-2012 18:34:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-012	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	18
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



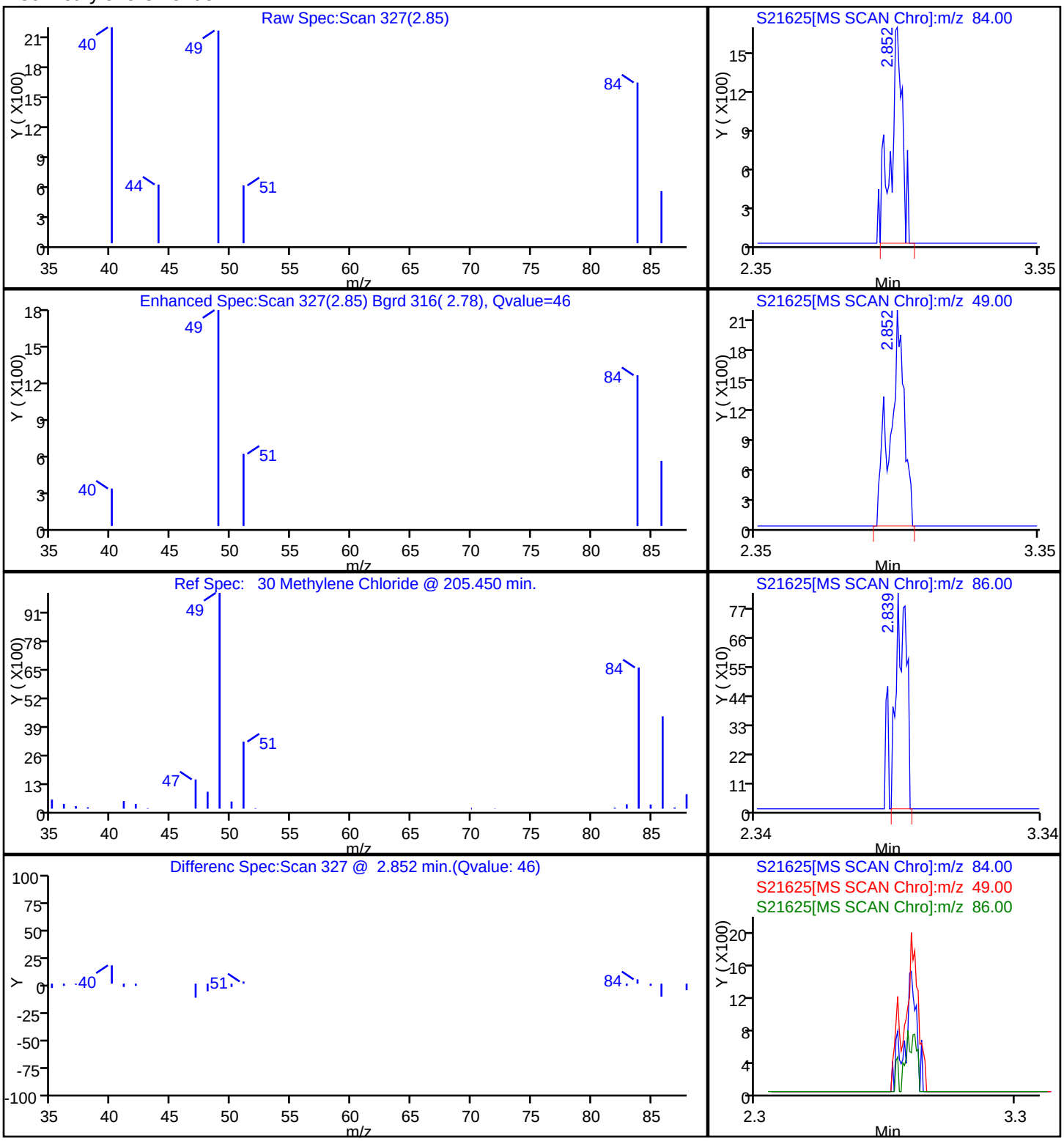
Report Date: 29-Dec-2012 13:36:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21625.D

Injection Date:	28-Dec-2012 18:34:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-012	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	18
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



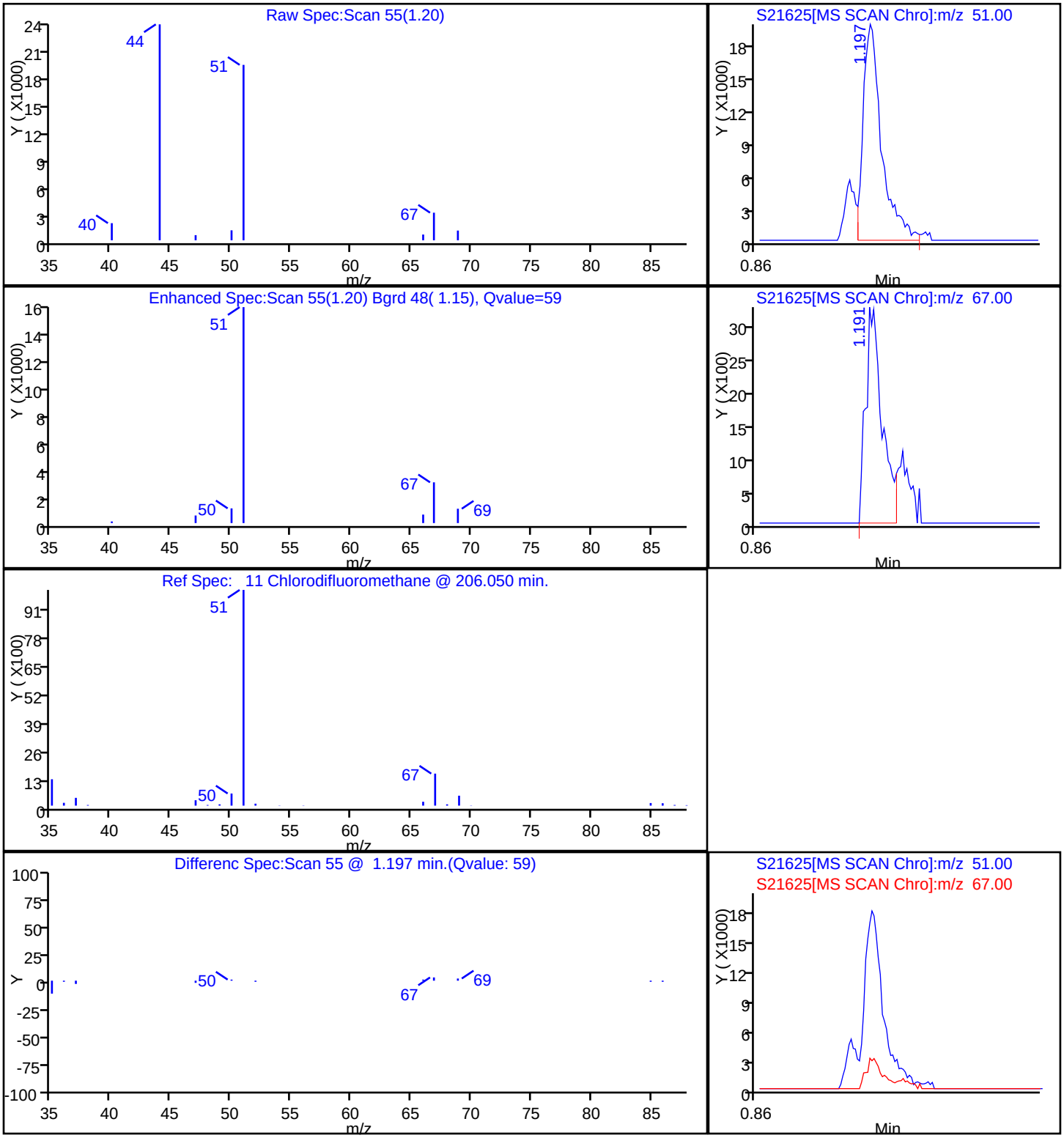
Report Date: 29-Dec-2012 13:36:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21625.D

Injection Date:	28-Dec-2012 18:34:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-012	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	18
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

11 Chlorodifluoromethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 | Lab Sample ID: 480-30773-11

Matrix: Water | Lab File ID: S21626.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:56

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	ND		25	1.9
75-35-4	1,1-Dichloroethene	ND		25	1.5
107-06-2	1,2-Dichloroethane	ND		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	50		50	15
71-43-2	Benzene	ND		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	ND		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	ND		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	14	J	50	3.6
100-41-4	Ethylbenzene	ND		25	3.7
179601-23-1	m&p-Xylene	ND		25	3.3
75-09-2	Methylene Chloride	2.3	J	25	2.2
95-47-6	o-Xylene	ND		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	ND		25	1.8
108-88-3	*Toluene*	*1200*	*E*	*25*	*2.6*
156-60-5	trans-1,2-Dichloroethene	ND		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 Lab Sample ID: 480-30773-11

Matrix: Water Lab File ID: S21626.D

Analysis Method: 8260B Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 18:56

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		66-137
460-00-4	4-Bromofluorobenzene (Surr)	92		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 | Lab Sample ID: 480-30773-11

Matrix: Water | Lab File ID: S21626.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 18:56

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 273

CAS NO.	COMPOUND NAME	RT	RESULT	Q
67-63-0	Isopropyl alcohol	2.63	260	
	Unknown	5.93	13	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D
Lims ID: 480-30773-A-11 Client ID: GW-44538-121912-013
Inject. Date: 28-Dec-2012 18:56:30 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-30773-A-11
Misc. Info.: 480-0017912-019 =480-0017912-019
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 97675 Lims Sample ID: 19
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:37:49 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:37:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	96	656771	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	355099	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.814	8.819	-0.005	98	296879	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	126650	27.7	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	722799	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	202671	23.1	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					19
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	87	20233	2.71	
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43	2.462	2.468	-0.006	94	29623	9.93	
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.858	2.852	0.006	35	4265	0.4694	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92	5.894	5.887	0.007	98	4964855	243.0	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					19
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					19
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D		
Lims ID:	480-30773-A-11	Client ID:	GW-44538-121912-013
Inject. Date:	28-Dec-2012 18:56:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-30773-A-11		
Misc. Info.:	480-0017912-019 =480-0017912-019		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	22
Lims Batch ID:	97675	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:37:49	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:37:49

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.633	7643	52.6	
Ethyl acetate	3.880	5003	0.5106	
Methyl methacrylate	5.194	2987	0.3570	

Tentative Identified Compound Results

RT	Response	Amount ug/L	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
5.930	195597	2.68	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/L
* 2 Chlorobenzene-d5	6.958	1824168	25.0

QC Flag Legend

Processing Flags

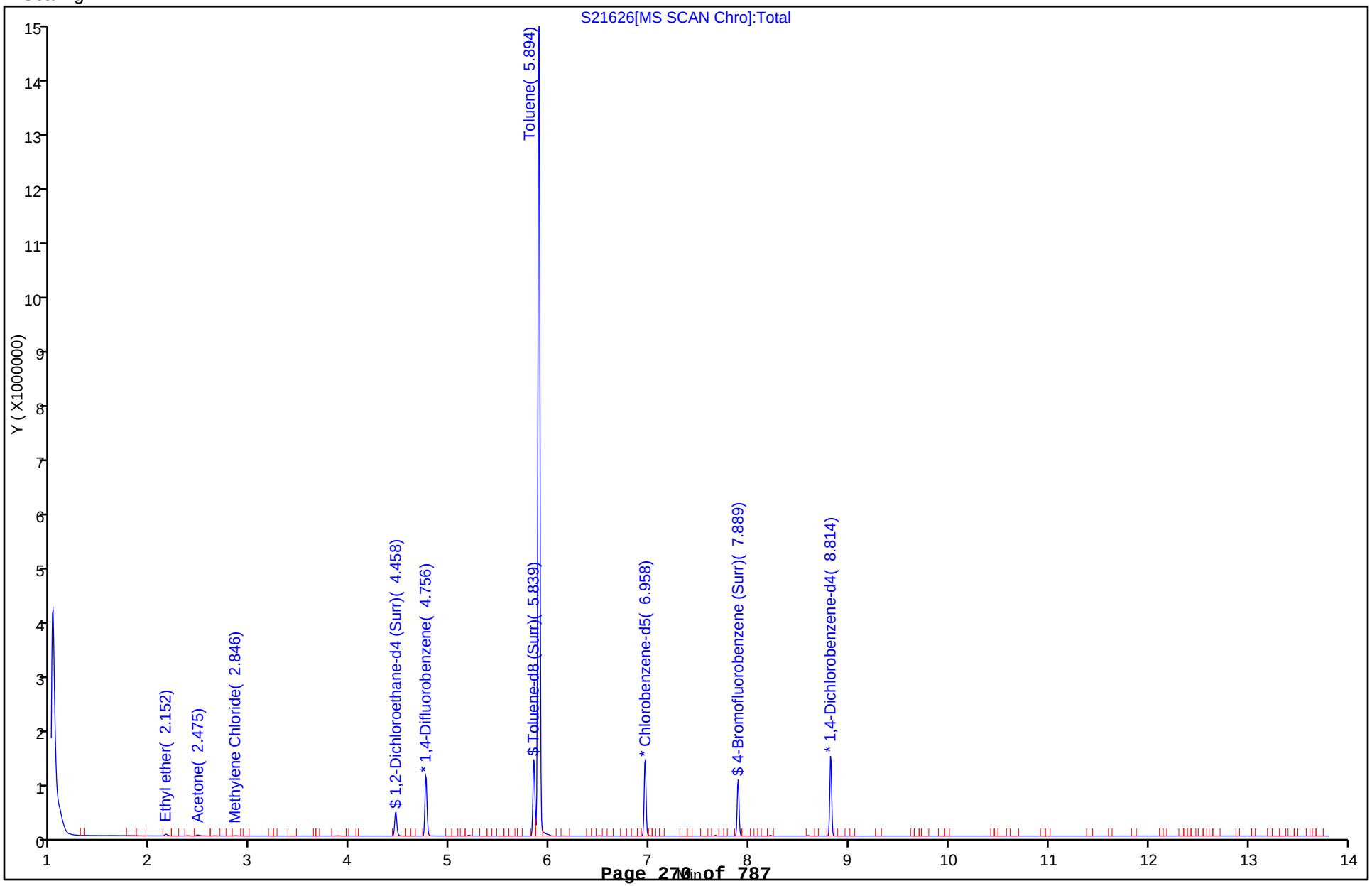
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



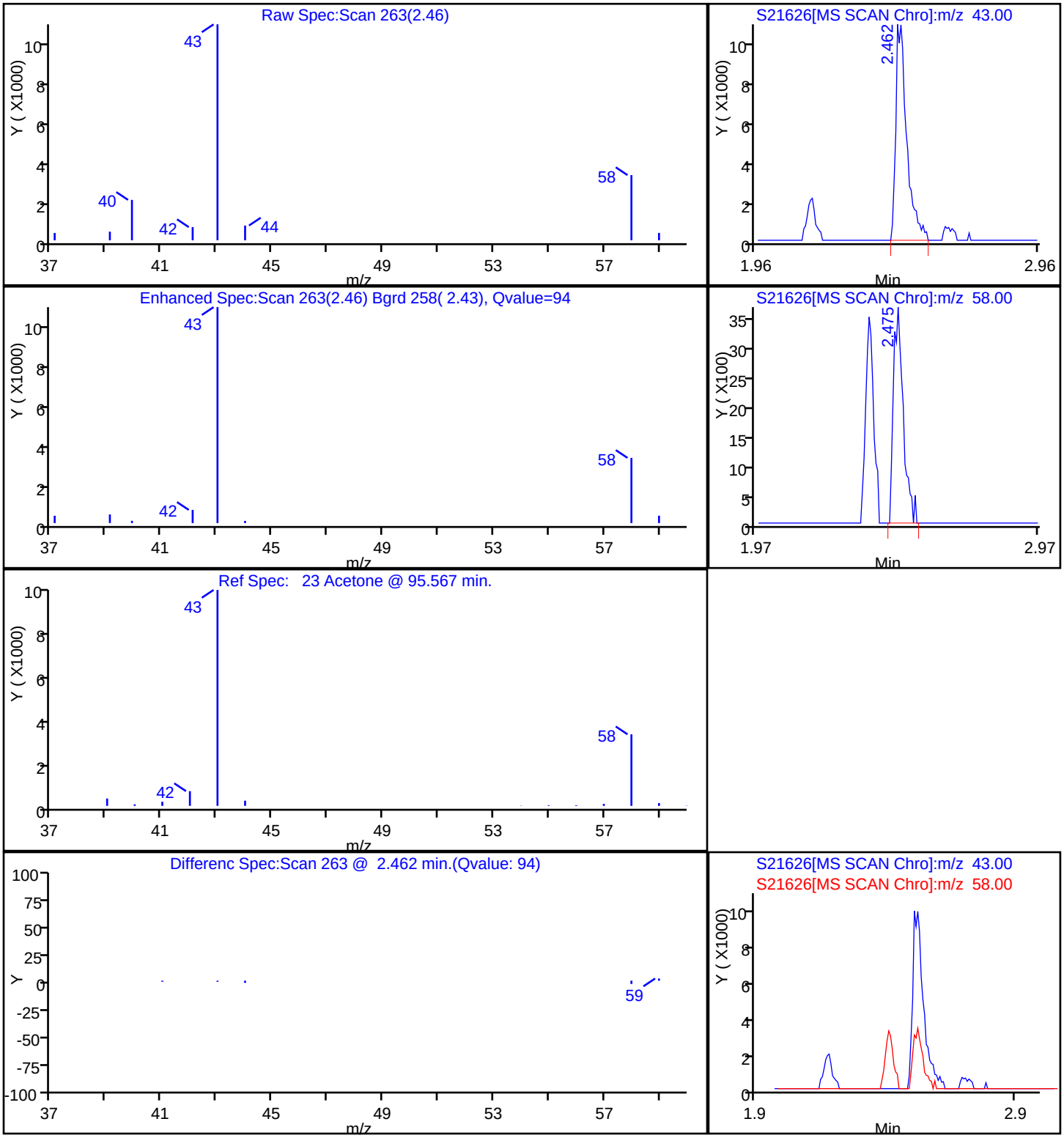
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Acetone



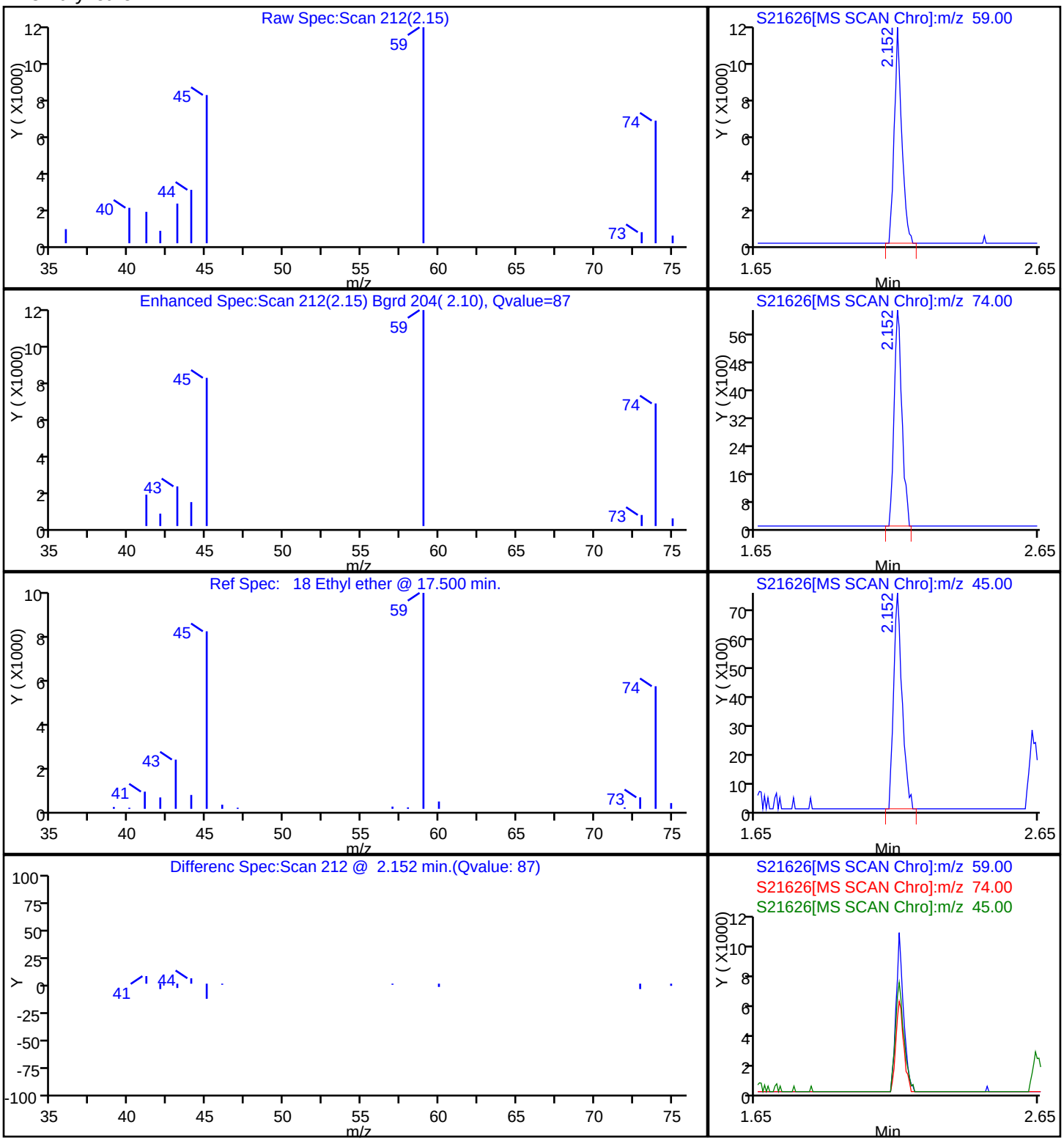
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



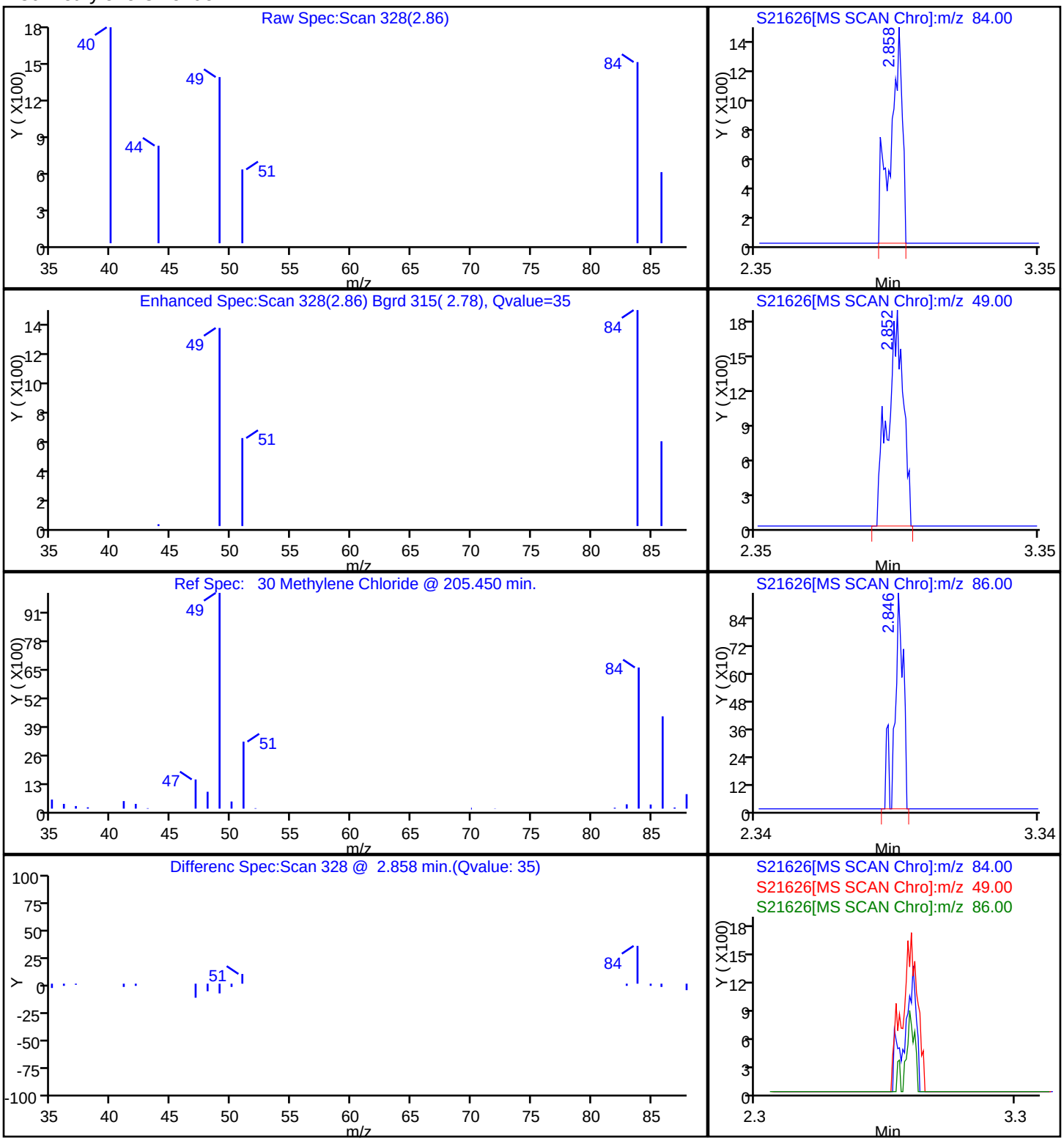
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



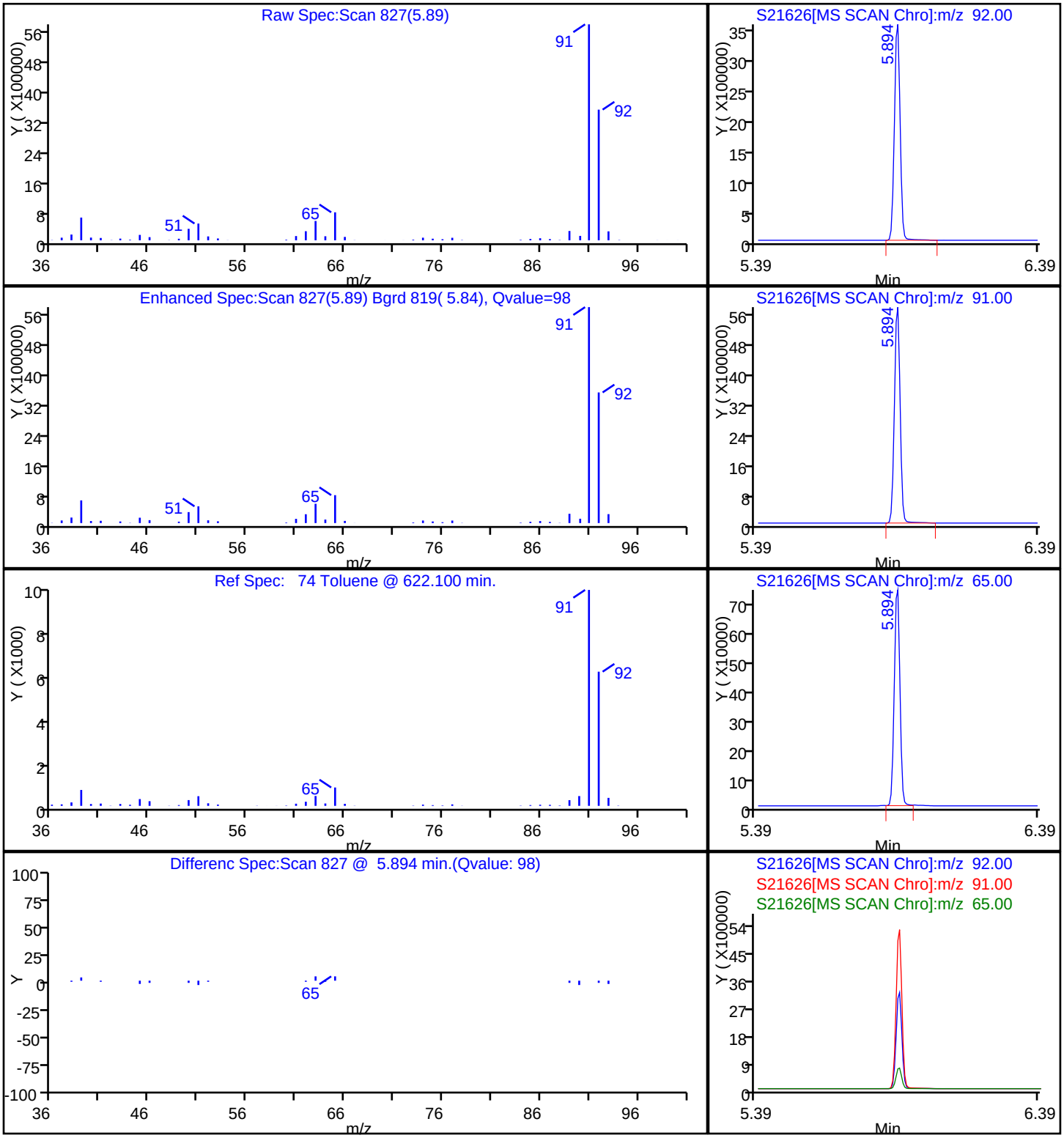
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

74 Toluene



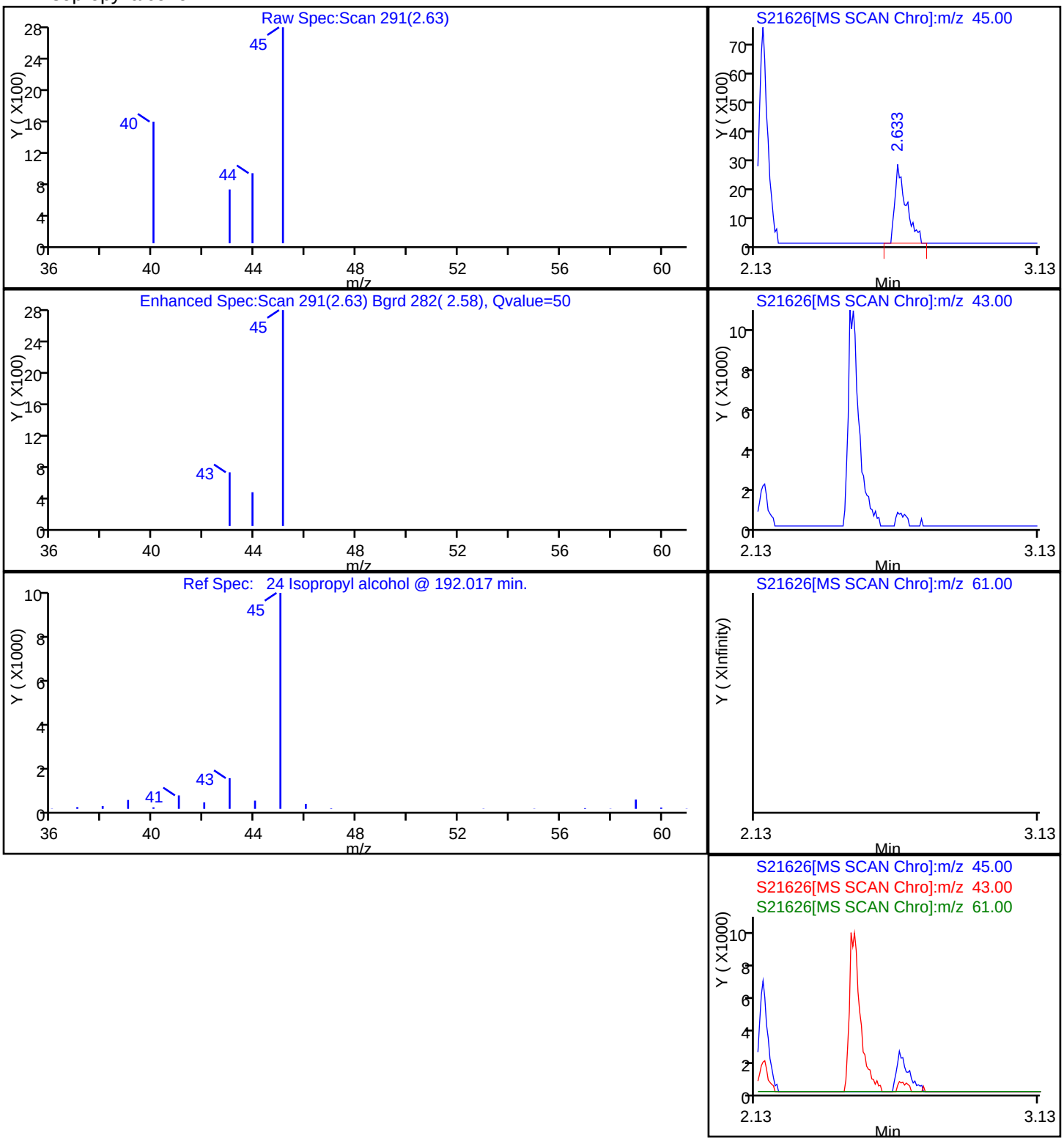
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



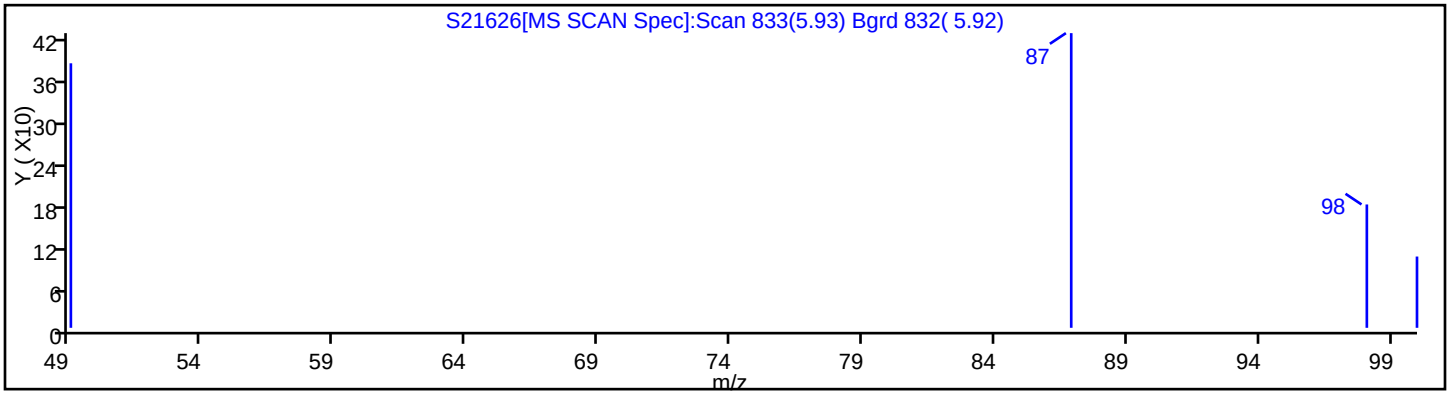
Report Date: 29-Dec-2012 13:37:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21626.D

Injection Date:	28-Dec-2012 18:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 25



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 DL | Lab Sample ID: 480-30773-11 DL

Matrix: Water | Lab File ID: G18540.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 14:12

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	4.2
79-00-5	1,1,2-Trichloroethane	ND		100	4.6
75-34-3	1,1-Dichloroethane	ND		100	7.6
75-35-4	1,1-Dichloroethene	ND		100	5.8
107-06-2	1,2-Dichloroethane	ND		100	4.2
78-87-5	1,2-Dichloropropane	ND		100	14
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		200	25
554-14-3	2-Methylthiophene	ND		200	8.8
616-44-4	3-Methylthiophene	ND		200	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	42
67-64-1	Acetone	67	J	200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		100	7.8
75-25-2	Bromoform	ND		100	5.2
74-83-9	Bromomethane	ND		200	14
75-15-0	Carbon disulfide	ND		100	3.8
56-23-5	Carbon tetrachloride	ND		100	5.4
108-90-7	Chlorobenzene	ND		100	15
75-00-3	Chloroethane	ND		200	6.4
67-66-3	Chloroform	ND		100	6.8
74-87-3	Chloromethane	ND		200	7.0
156-59-2	cis-1,2-Dichloroethene	ND		100	16
10061-01-5	cis-1,3-Dichloropropene	ND		100	7.2
124-48-1	Dibromochloromethane	ND		100	6.4
60-29-7	Ethyl ether	16	J	200	14
100-41-4	Ethylbenzene	ND		100	15
179601-23-1	m&p-Xylene	ND		100	13
75-09-2	Methylene Chloride	15	J B	100	8.8
95-47-6	o-Xylene	ND		100	15
100-42-5	Styrene	ND		100	15
127-18-4	Tetrachloroethene	ND		100	7.2
108-88-3	Toluene	1500		100	10
156-60-5	trans-1,2-Dichloroethene	ND		100	18
10061-02-6	trans-1,3-Dichloropropene	ND		100	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 DL Lab Sample ID: 480-30773-11 DL

Matrix: Water Lab File ID: G18540.D

Analysis Method: 8260B Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 14:12

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*100*	*9.2*
75-01-4	*Vinyl chloride*	*ND*		*200*	*18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 DL | Lab Sample ID: 480-30773-11 DL

Matrix: Water | Lab File ID: G18540.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 14:12

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

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\HP5973G\20121229-17927.b\G18540.D
Lims ID: 480-30773-A-11 Client ID: GW-44538-121912-013
Inject. Date: 29-Dec-2012 14:12:30 Dil. Factor: 20.0000
Sample Type: Client
Sample ID: 480-30773-A-11
Misc. Info.: 480-0017927-012 =480-0017927-012
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 97793 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 14:46:12 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:46:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	473572	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	251485	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	225996	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	130765	26.7	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	93	718072	28.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	86	203566	28.2	
12 Chloromethane	50		1.621					
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.664	2.651	0.013	85	3926	0.7761	
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43	2.981	2.968	0.013	89	9248	3.34	
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.438	3.401	0.037	50	7327	0.7589	
32 trans-1,2-Dichloroethene	96		3.609					9
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					
74 Toluene	92	7.205	7.205	0.0	98	1285593	77.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.656					9
89 Ethylbenzene	91		8.748					
90 m-Xylene & p-Xylene	106		8.870					
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

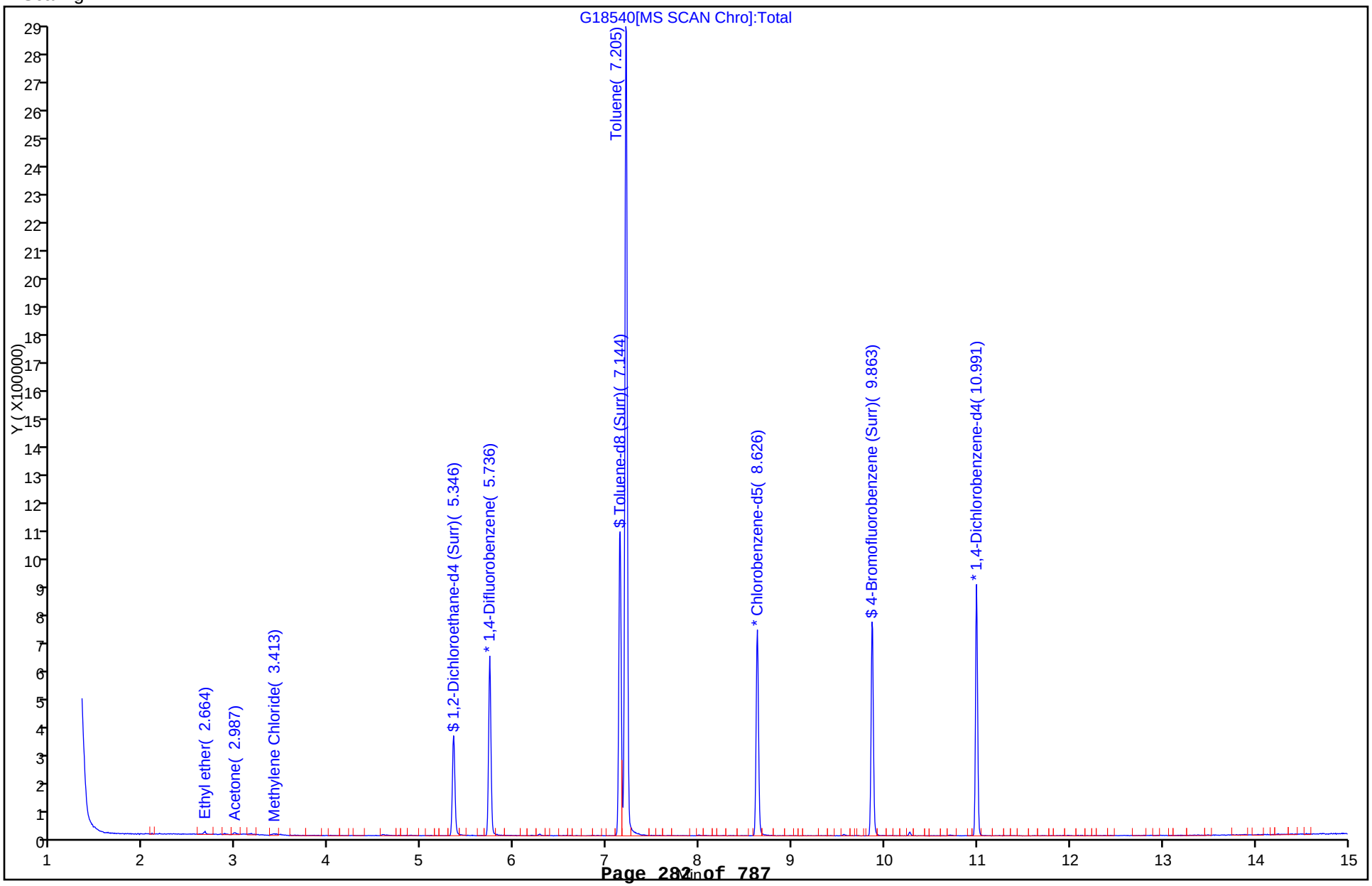
Report Date: 30-Dec-2012 14:46:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18540.D

Injection Date:	29-Dec-2012 14:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



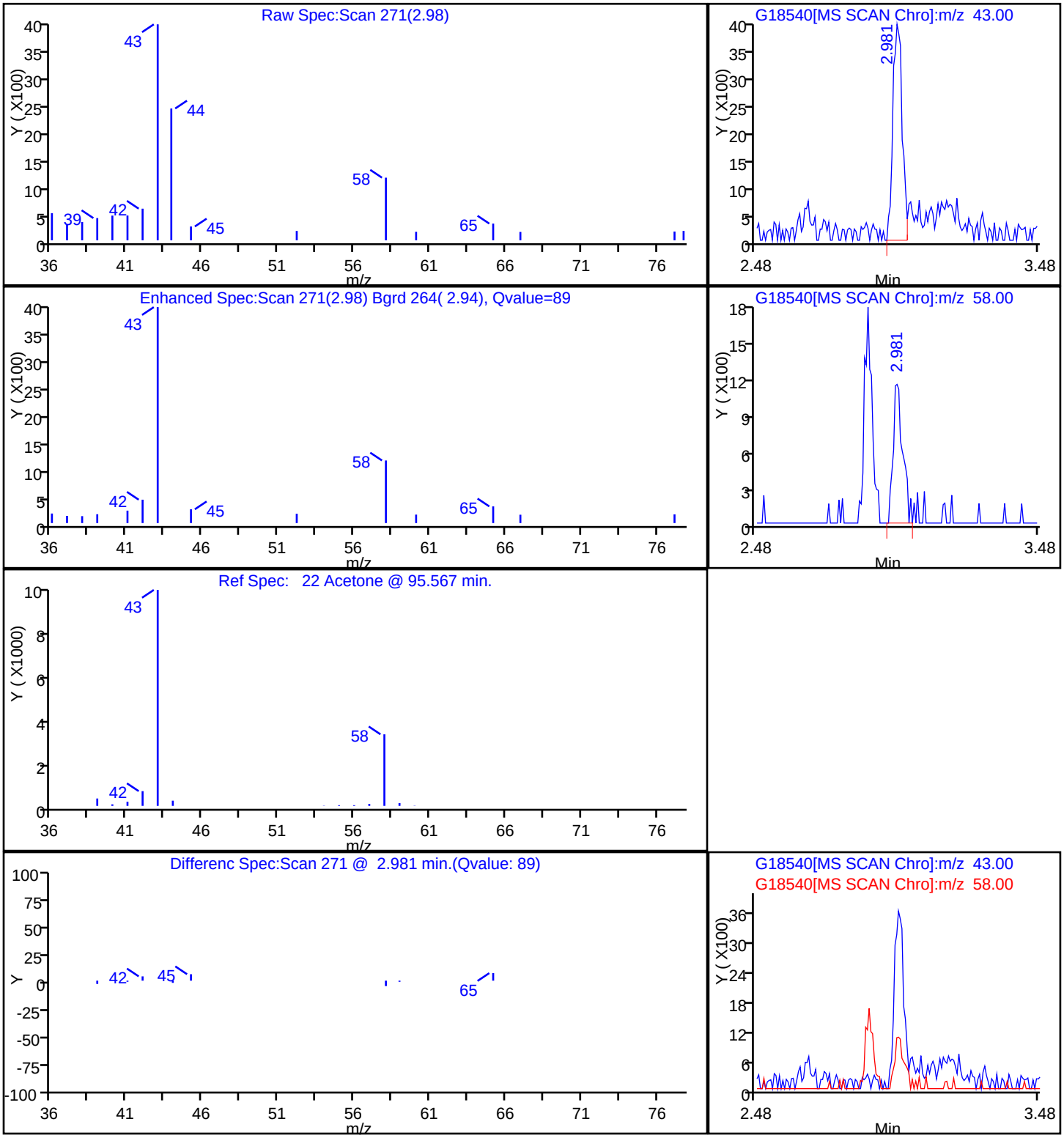
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18540.D

Injection Date:	29-Dec-2012 14:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

22 Acetone



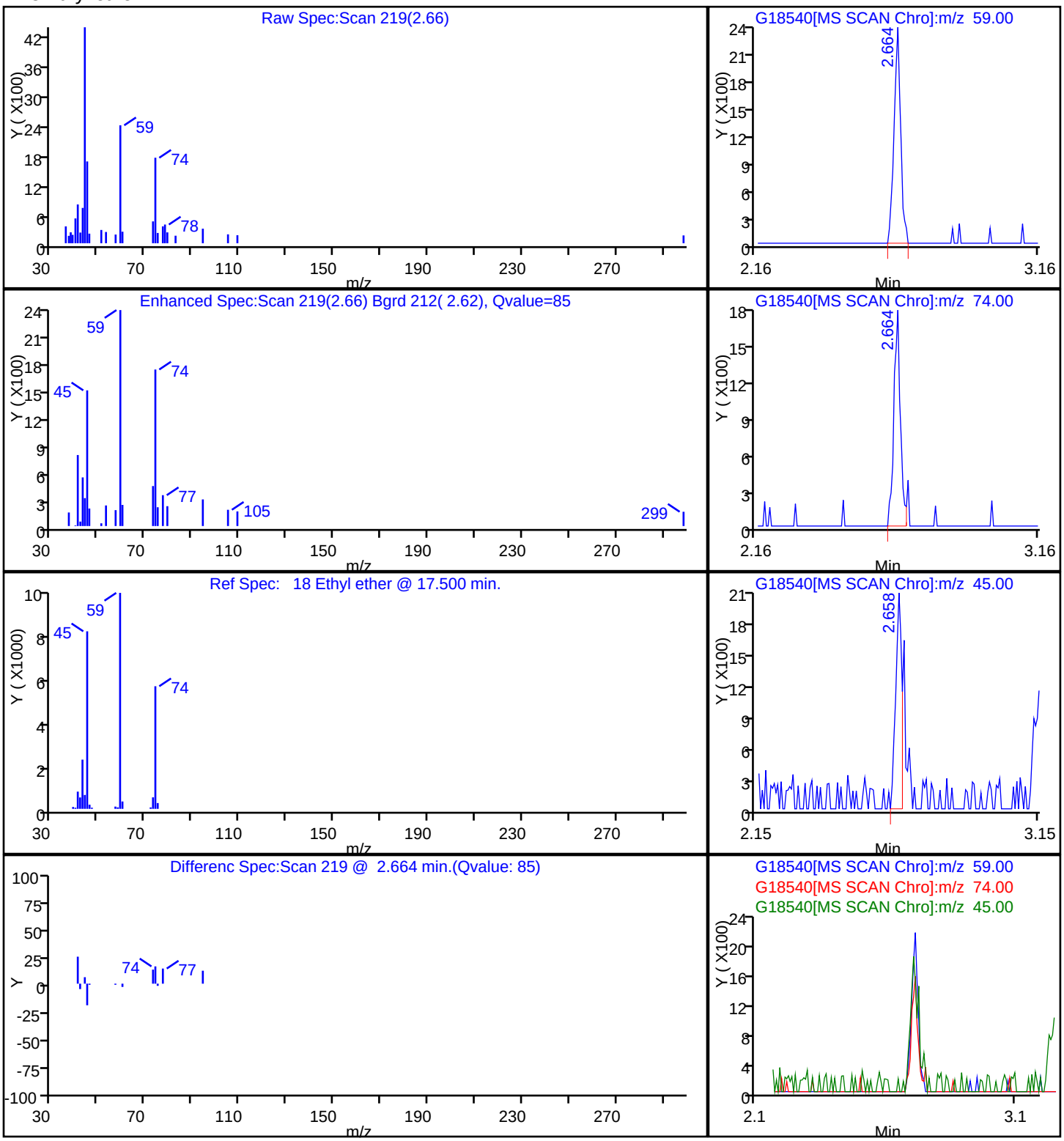
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18540.D

Injection Date:	29-Dec-2012 14:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



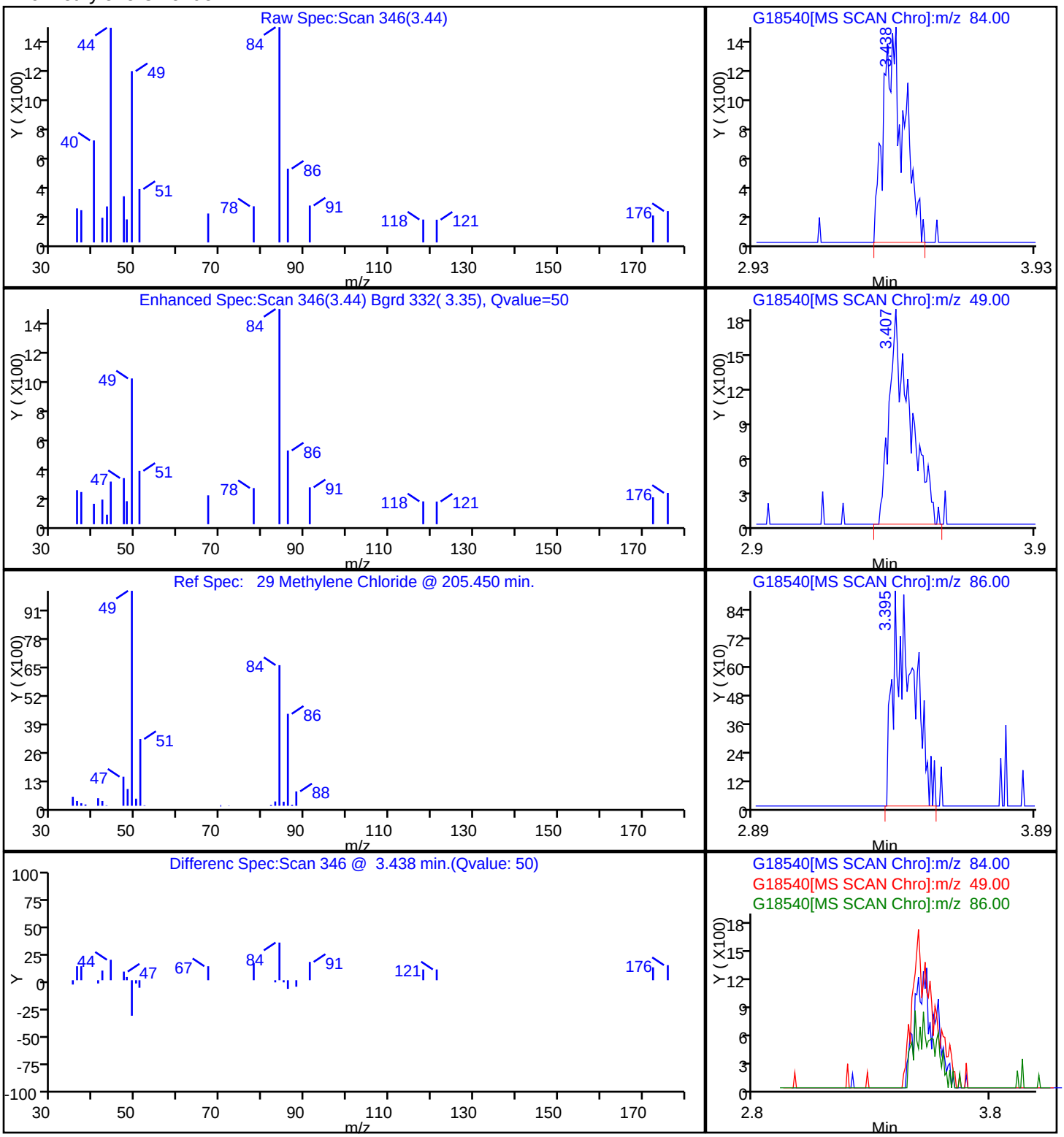
Report Date: 30-Dec-2012 14:46:12 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18540.D

Injection Date:	29-Dec-2012 14:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



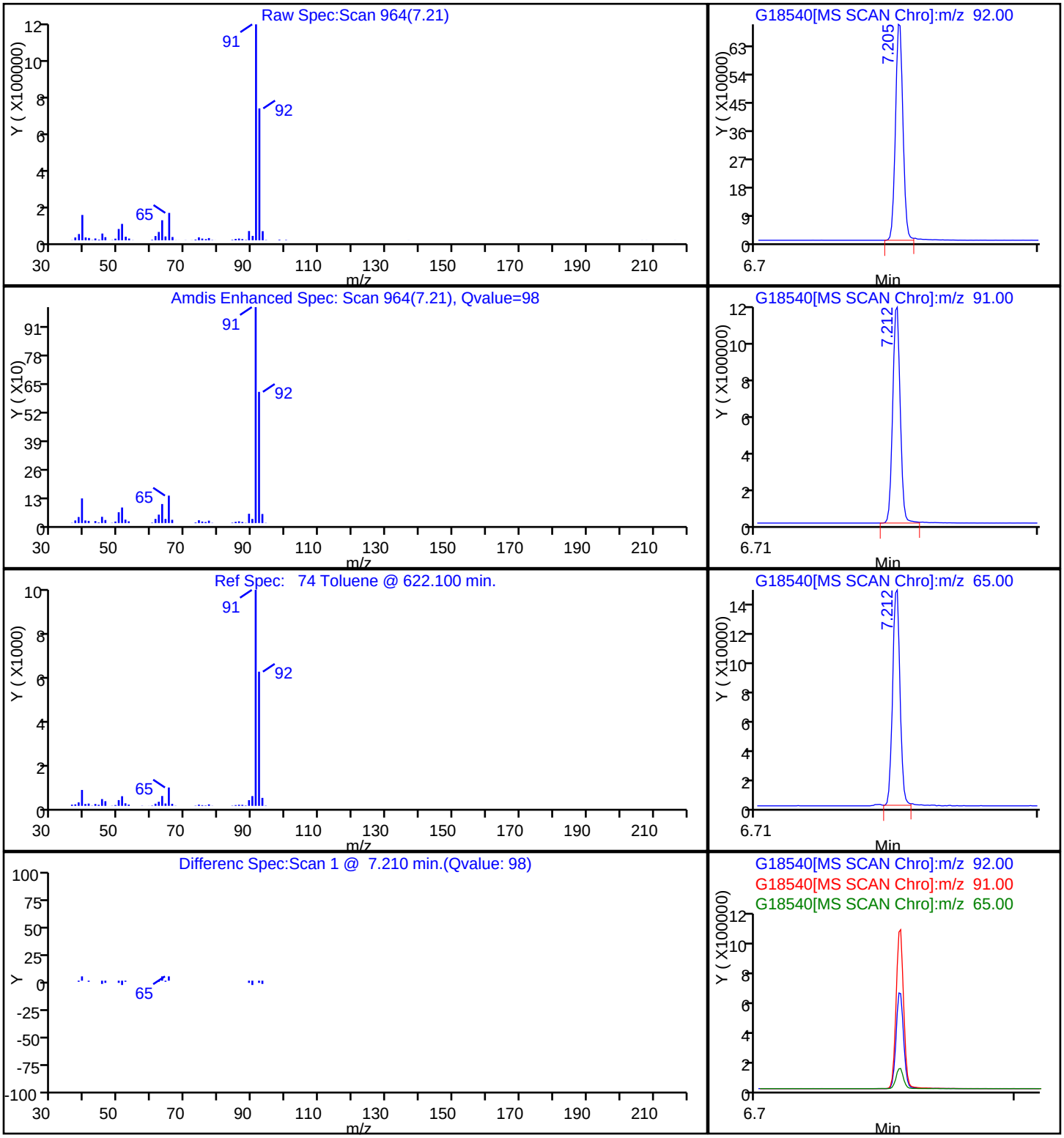
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18540.D

Injection Date:	29-Dec-2012 14:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	12
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

74 Toluene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-014 | Lab Sample ID: 480-30773-12

Matrix: Water | Lab File ID: S21629.D

Analysis Method: 8260B | Date Collected: 12/19/2012 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:01

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-014 Lab Sample ID: 480-30773-12

Matrix: Water Lab File ID: S21629.D

Analysis Method: 8260B Date Collected: 12/19/2012 17:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 20:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	118		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-014 | Lab Sample ID: 480-30773-12

Matrix: Water | Lab File ID: S21629.D

Analysis Method: 8260B | Date Collected: 12/19/2012 17:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:01

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

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\HP5973S\20121228-17912.b\S21629.D
Lims ID: 480-30773-A-12 Client ID: GW-44538-121912-014
Inject. Date: 28-Dec-2012 20:01:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-A-12
Misc. Info.: 480-0017912-022 =480-0017912-022
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 97675 Lims Sample ID: 22
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:42:25 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:42:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	604879	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	88	306266	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	235179	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	124093	29.5	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	719925	29.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	190230	25.1	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					149

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

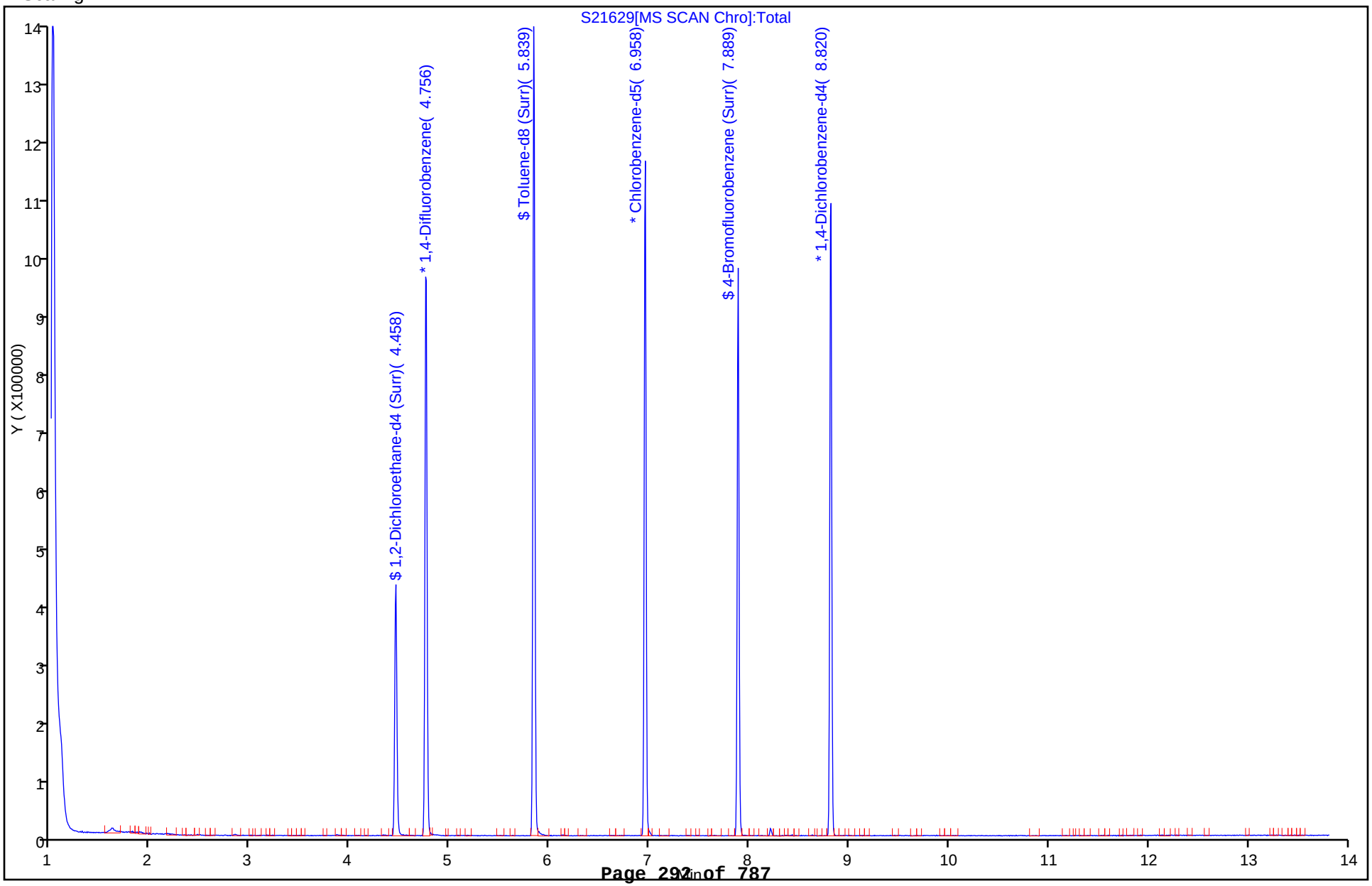
Report Date: 29-Dec-2012 13:42:38 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21629.D

Injection Date:	28-Dec-2012 20:01:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-014	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	22
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 | Lab Sample ID: 480-30773-13

Matrix: Water | Lab File ID: S21630.D

Analysis Method: 8260B | Date Collected: 12/19/2012 13:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:22

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 Lab Sample ID: 480-30773-13

Matrix: Water Lab File ID: S21630.D

Analysis Method: 8260B Date Collected: 12/19/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 20:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	87		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 Lab Sample ID: 480-30773-13

Matrix: Water Lab File ID: S21630.D

Analysis Method: 8260B Date Collected: 12/19/2012 13:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 20:22

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

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\HP5973S\20121228-17912.b\S21630.D
Lims ID: 480-30773-B-13 Client ID: GW-44538-121912-009
Inject. Date: 28-Dec-2012 20:22:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-B-13
Misc. Info.: 480-0017912-023 =480-0017912-023
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 26
Lims Batch ID: 97675 Lims Sample ID: 23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:42:54 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:42:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	665578	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	346935	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	278525	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	125678	27.2	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	706694	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	186212	21.7	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

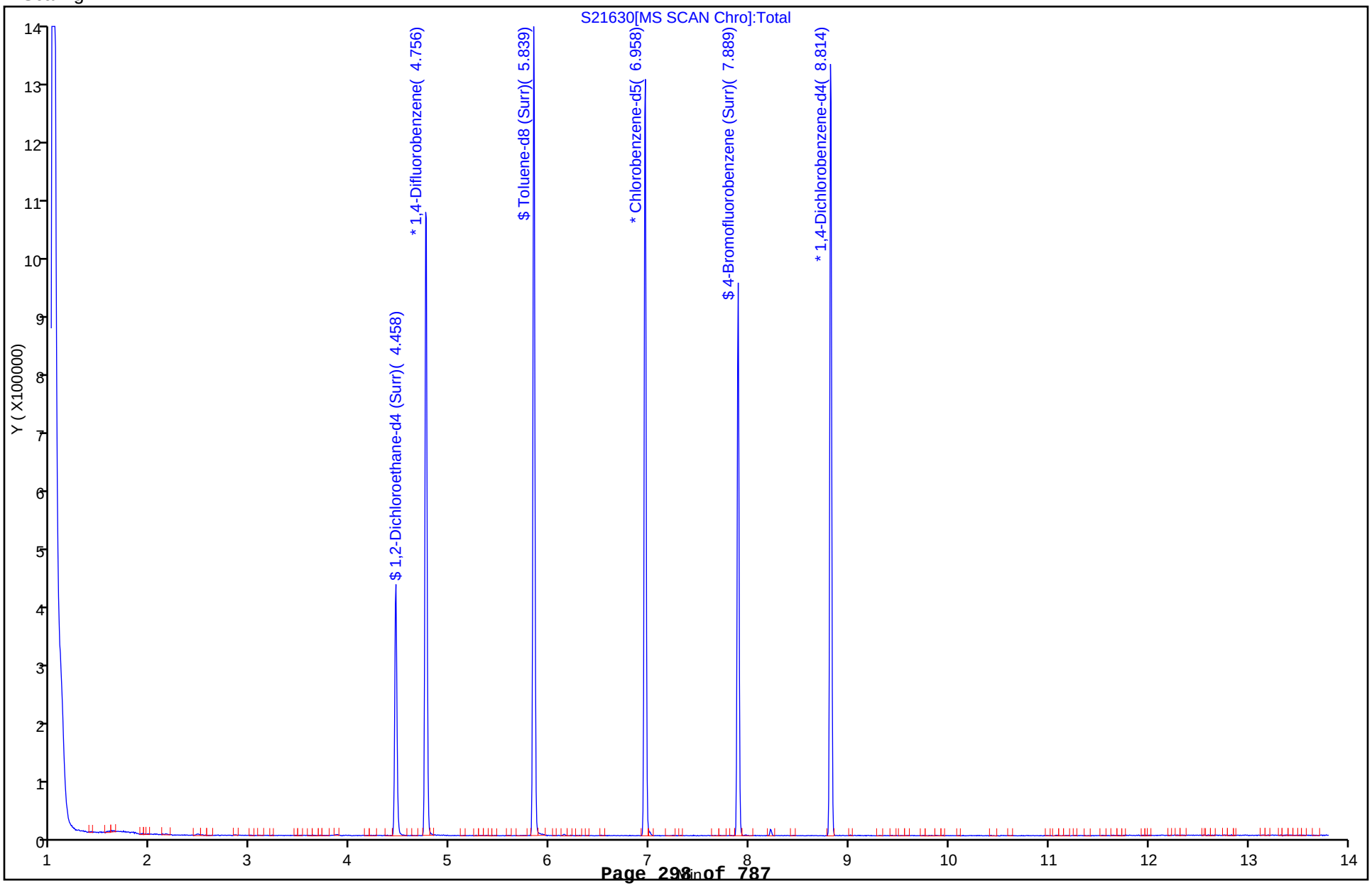
Report Date: 29-Dec-2012 13:42:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21630.D

Injection Date:	28-Dec-2012 20:22:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-009	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	23
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: S21631.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:43

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		50	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	2.1
79-00-5	1,1,2-Trichloroethane	ND		50	2.3
75-34-3	1,1-Dichloroethane	ND		50	3.8
75-35-4	1,1-Dichloroethene	ND		50	2.9
107-06-2	1,2-Dichloroethane	ND		50	2.1
78-87-5	1,2-Dichloropropane	ND		50	7.2
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		100	12
554-14-3	2-Methylthiophene	ND		100	4.4
616-44-4	3-Methylthiophene	ND		100	5.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	21
67-64-1	Acetone	150		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		50	3.9
75-25-2	Bromoform	ND		50	2.6
74-83-9	Bromomethane	ND		100	6.9
75-15-0	Carbon disulfide	ND		50	1.9
56-23-5	Carbon tetrachloride	ND		50	2.7
108-90-7	Chlorobenzene	ND		50	7.5
75-00-3	Chloroethane	ND		100	3.2
67-66-3	Chloroform	ND		50	3.4
74-87-3	Chloromethane	ND		100	3.5
156-59-2	cis-1,2-Dichloroethene	ND		50	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		50	3.6
124-48-1	Dibromochloromethane	ND		50	3.2
60-29-7	*Ethyl ether*	*1200*	*E*	*100*	*7.2*
100-41-4	Ethylbenzene	ND		50	7.4
179601-23-1	m&p-Xylene	ND		50	6.6
75-09-2	Methylene Chloride	5.6	J	50	4.4
95-47-6	o-Xylene	ND		50	7.6
100-42-5	Styrene	ND		50	7.3
127-18-4	Tetrachloroethene	ND		50	3.6
108-88-3	Toluene	ND		50	5.1
156-60-5	trans-1,2-Dichloroethene	ND		50	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		50	3.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: S21631.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:43

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		50	4.6
75-01-4	Vinyl chloride	ND		100	9.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	105		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: S21631.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 20:43

Soil Aliquot Vol: | Dilution Factor: 10

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 478.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.65	470	
141-78-6	Ethyl acetate	3.88	8.5	J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D
Lims ID: 480-30773-B-14 Client ID: GW-44538-121912-010
Inject. Date: 28-Dec-2012 20:43:30 Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 480-30773-B-14
Misc. Info.: 480-0017912-024 =480-0017912-024
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 27
Lims Batch ID: 97675 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:43:41 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:43:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	661988	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	86	347211	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	285773	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	128188	27.8	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	723171	26.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	192924	22.4	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	94	914526	121.4	E
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43	2.474	2.468	0.006	96	44591	14.8	
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84	2.858	2.852	0.006	52	5146	0.5619	
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					19
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					19
74 Toluene	92		5.887					19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D		
Lims ID:	480-30773-B-14	Client ID:	GW-44538-121912-010
Inject. Date:	28-Dec-2012 20:43:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-30773-B-14		
Misc. Info.:	480-0017912-024 =480-0017912-024		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	27
Lims Batch ID:	97675	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:43:41	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:43:41

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.645	1992	46.7	
Ethyl acetate	3.880	8422	0.8528	

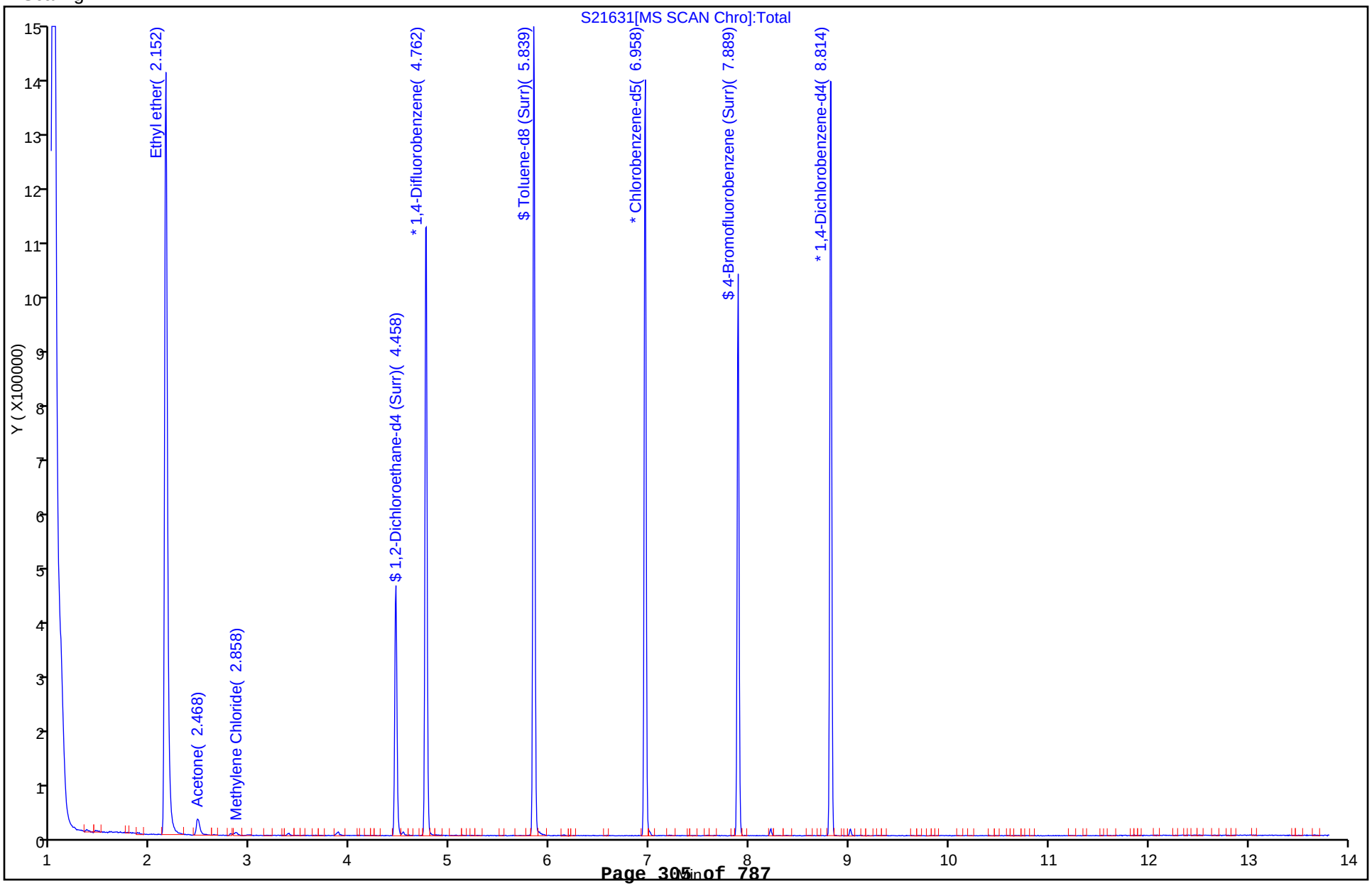
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



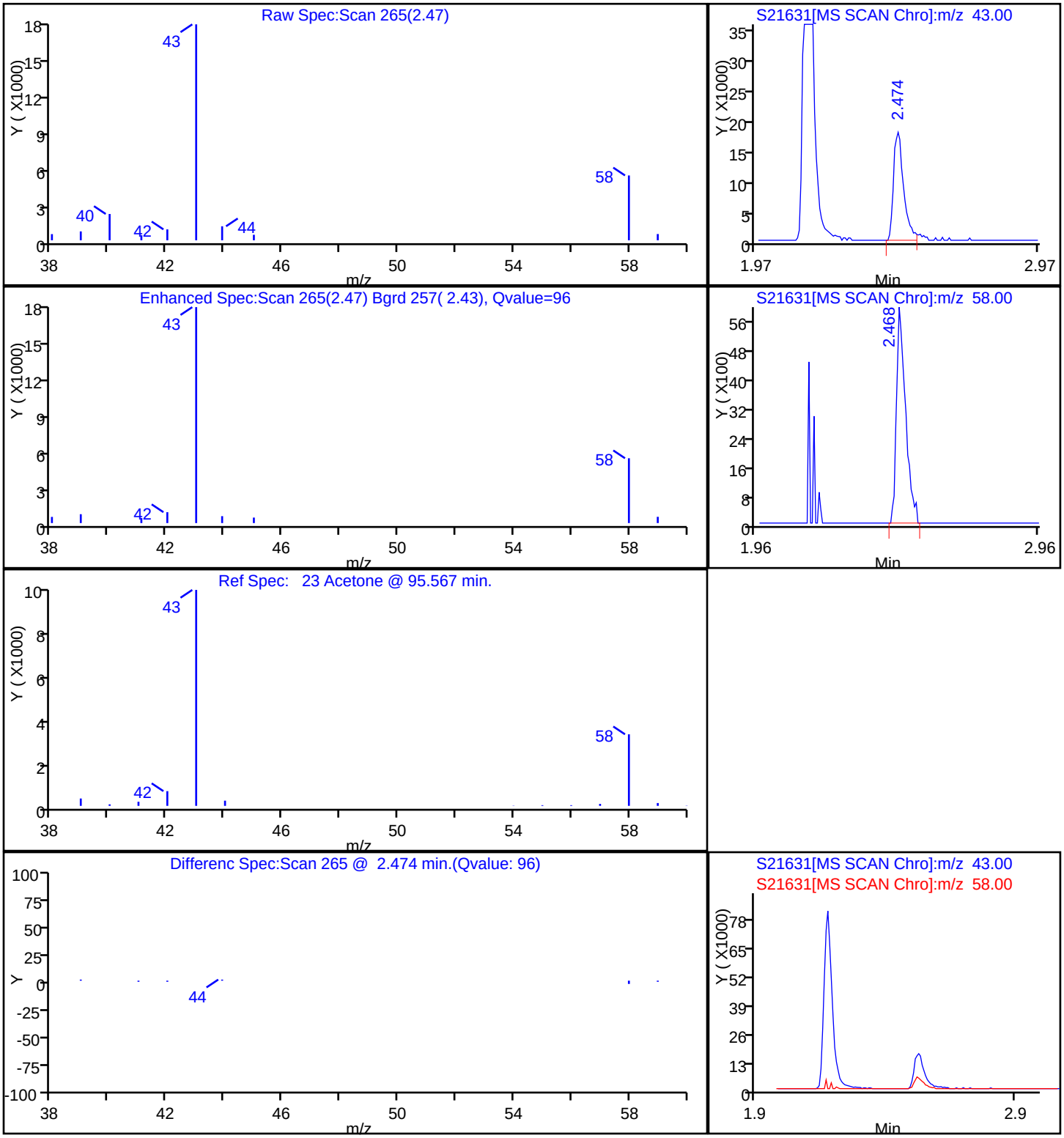
Report Date: 29-Dec-2012 13:43:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Acetone



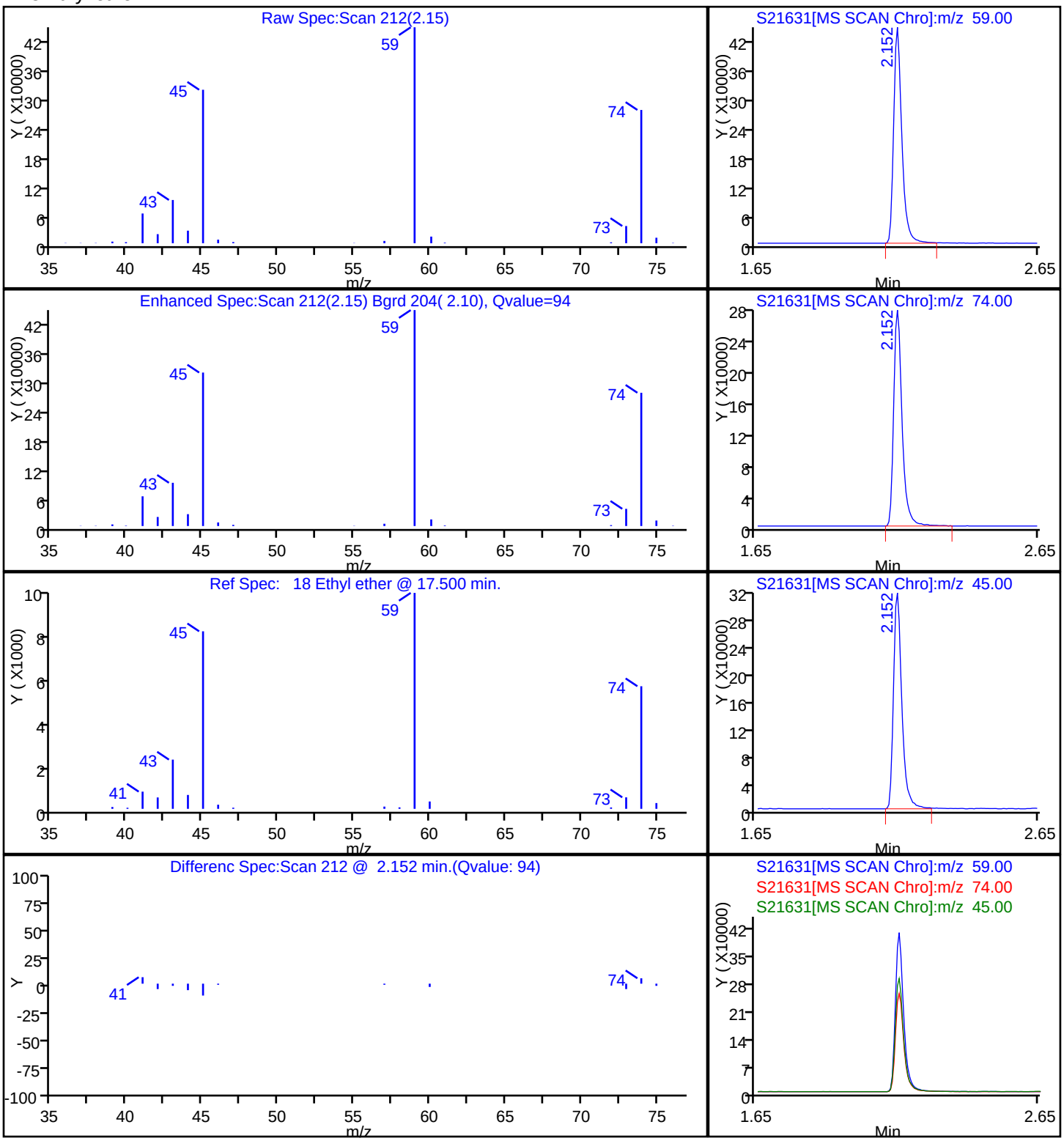
Report Date: 29-Dec-2012 13:43:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



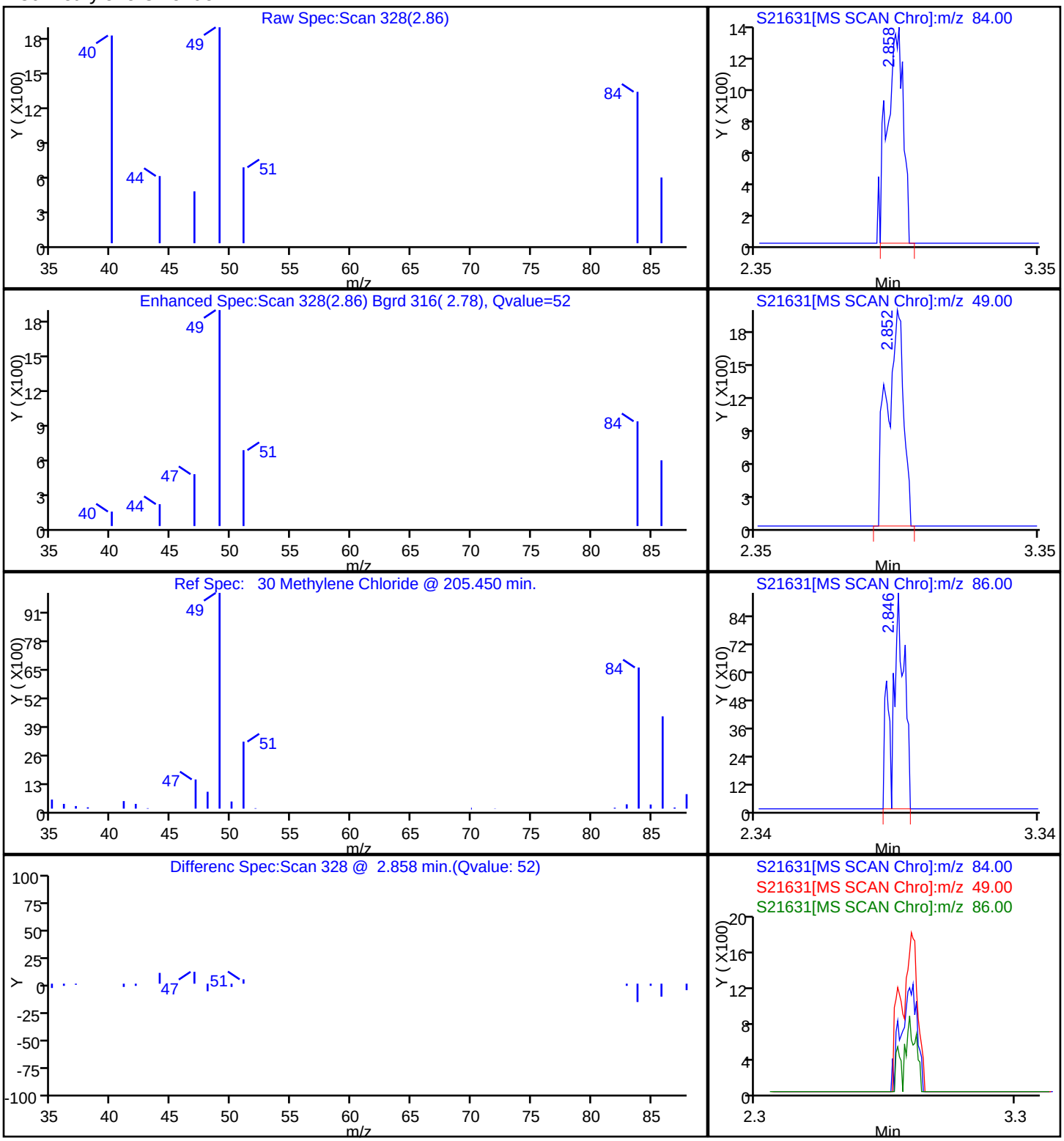
Report Date: 29-Dec-2012 13:43:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

30 Methylene Chloride



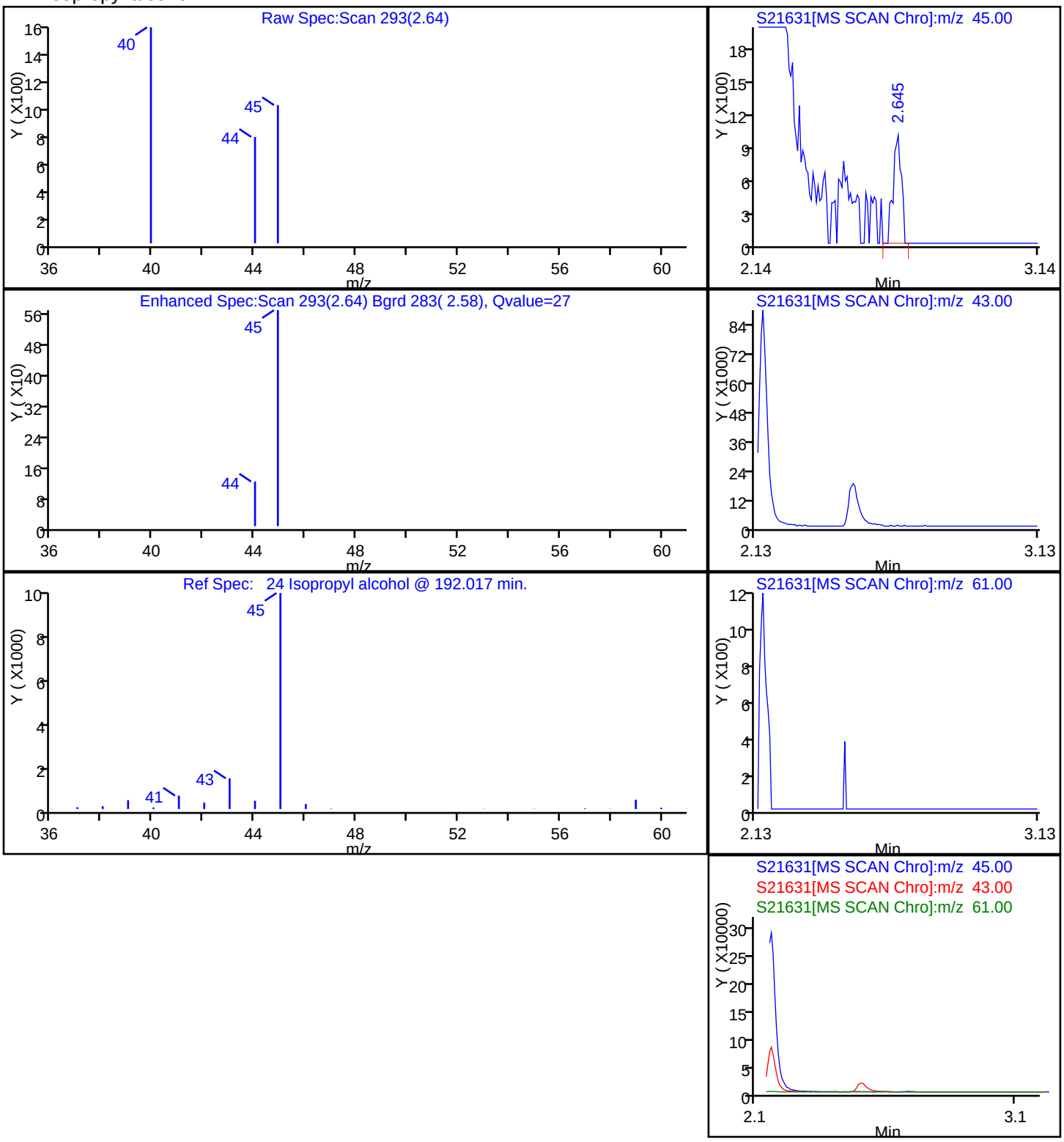
Report Date: 29-Dec-2012 13:43:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



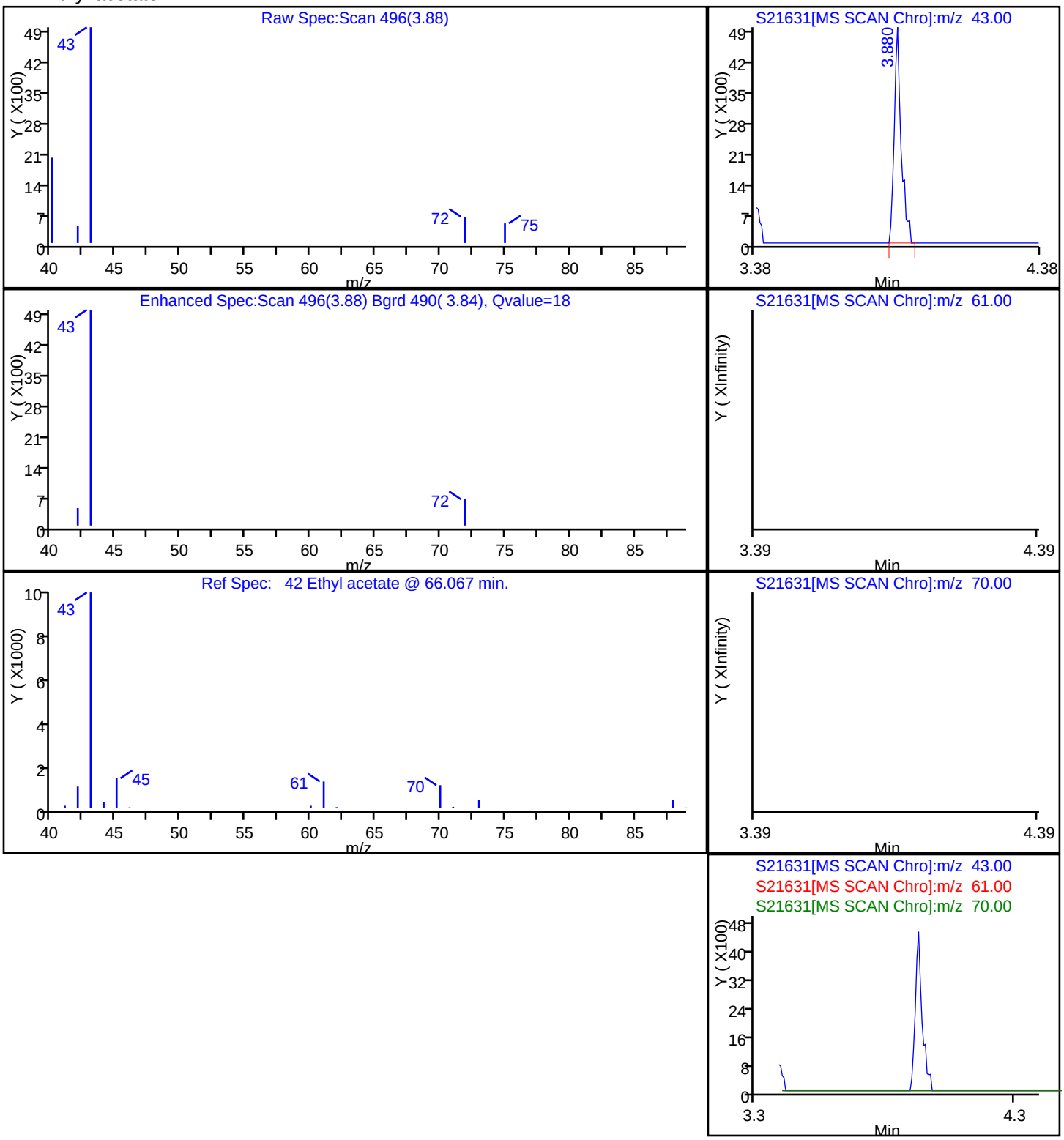
Report Date: 29-Dec-2012 13:43:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21631.D

Injection Date:	28-Dec-2012 20:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	24
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

42 Ethyl acetate



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 DL | Lab Sample ID: 480-30773-14 DL

Matrix: Water | Lab File ID: G18541.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 14:35

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	4.2
79-00-5	1,1,2-Trichloroethane	ND		100	4.6
75-34-3	1,1-Dichloroethane	ND		100	7.6
75-35-4	1,1-Dichloroethene	ND		100	5.8
107-06-2	1,2-Dichloroethane	ND		100	4.2
78-87-5	1,2-Dichloropropane	ND		100	14
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		200	25
554-14-3	2-Methylthiophene	ND		200	8.8
616-44-4	3-Methylthiophene	ND		200	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	42
67-64-1	Acetone	190	J	200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		100	7.8
75-25-2	Bromoform	ND		100	5.2
74-83-9	Bromomethane	ND		200	14
75-15-0	Carbon disulfide	ND		100	3.8
56-23-5	Carbon tetrachloride	ND		100	5.4
108-90-7	Chlorobenzene	ND		100	15
75-00-3	Chloroethane	ND		200	6.4
67-66-3	Chloroform	ND		100	6.8
74-87-3	Chloromethane	ND		200	7.0
156-59-2	cis-1,2-Dichloroethene	ND		100	16
10061-01-5	cis-1,3-Dichloropropene	ND		100	7.2
124-48-1	Dibromochloromethane	ND		100	6.4
60-29-7	Ethyl ether	1600		200	14
100-41-4	Ethylbenzene	ND		100	15
179601-23-1	m&p-Xylene	ND		100	13
75-09-2	Methylene Chloride	16	J B	100	8.8
95-47-6	o-Xylene	ND		100	15
100-42-5	Styrene	ND		100	15
127-18-4	Tetrachloroethene	ND		100	7.2
108-88-3	Toluene	ND		100	10
156-60-5	trans-1,2-Dichloroethene	ND		100	18
10061-02-6	trans-1,3-Dichloropropene	ND		100	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 DL Lab Sample ID: 480-30773-14 DL

Matrix: Water Lab File ID: G18541.D

Analysis Method: 8260B Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 14:35

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	*Trichloroethene*	*ND*		*100*	*9.2*
75-01-4	*Vinyl chloride*	*ND*		*200*	*18*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
2037-26-5	Toluene-d8 (Surr)	115		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 DL | Lab Sample ID: 480-30773-14 DL

Matrix: Water | Lab File ID: G18541.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 14:35

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

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\HP5973G\20121229-17927.b\G18541.D
Lims ID: 480-30773-C-14 Client ID: GW-44538-121912-010
Inject. Date: 29-Dec-2012 14:35:30 Dil. Factor: 20.0000
Sample Type: Client
Sample ID: 480-30773-C-14
Misc. Info.: 480-0017927-013 =480-0017927-013
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 97793 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 16:12:41 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:47:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	458900	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	245189	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	214770	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	130593	27.5	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	716198	28.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	85	202598	28.8	
12 Chloromethane	50		1.621					
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.658	2.651	0.007	94	397435	81.1	
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43	2.981	2.968	0.013	92	25557	9.52	
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.420	3.401	0.019	58	7546	0.8066	
32 trans-1,2-Dichloroethene	96		3.609					
36 1,1-Dichloroethane	63		4.017					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78		5.358					
57 1,2-Dichloroethane	62		5.413					9
61 Trichloroethene	95		5.974					9
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
82 2-Hexanone	43		7.882					
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112		8.656					
89 Ethylbenzene	91		8.748					
90 m-Xylene & p-Xylene	106		8.870					9
91 o-Xylene	106		9.296					9
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

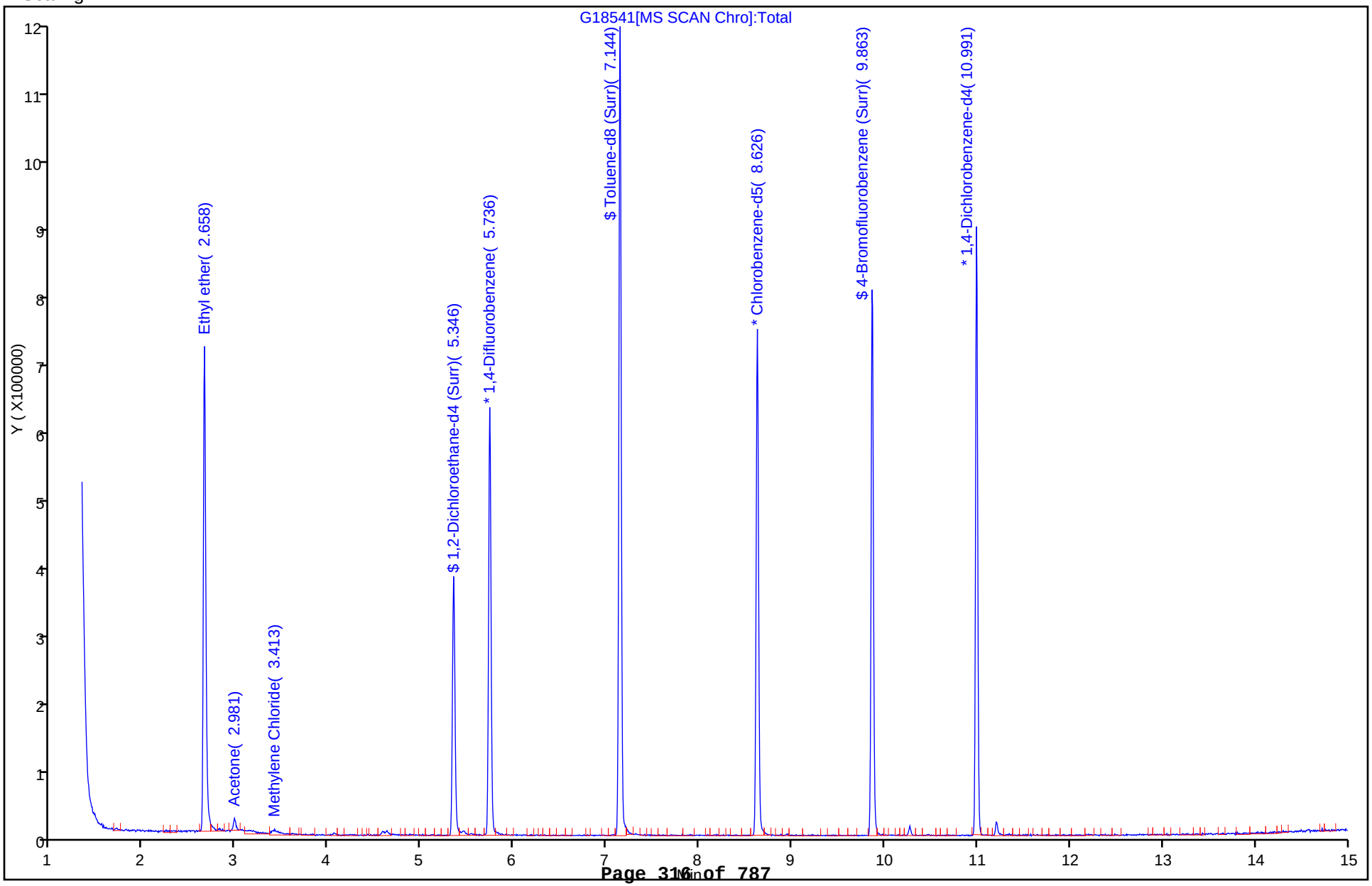
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18541.D

Injection Date:	29-Dec-2012 14:35:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



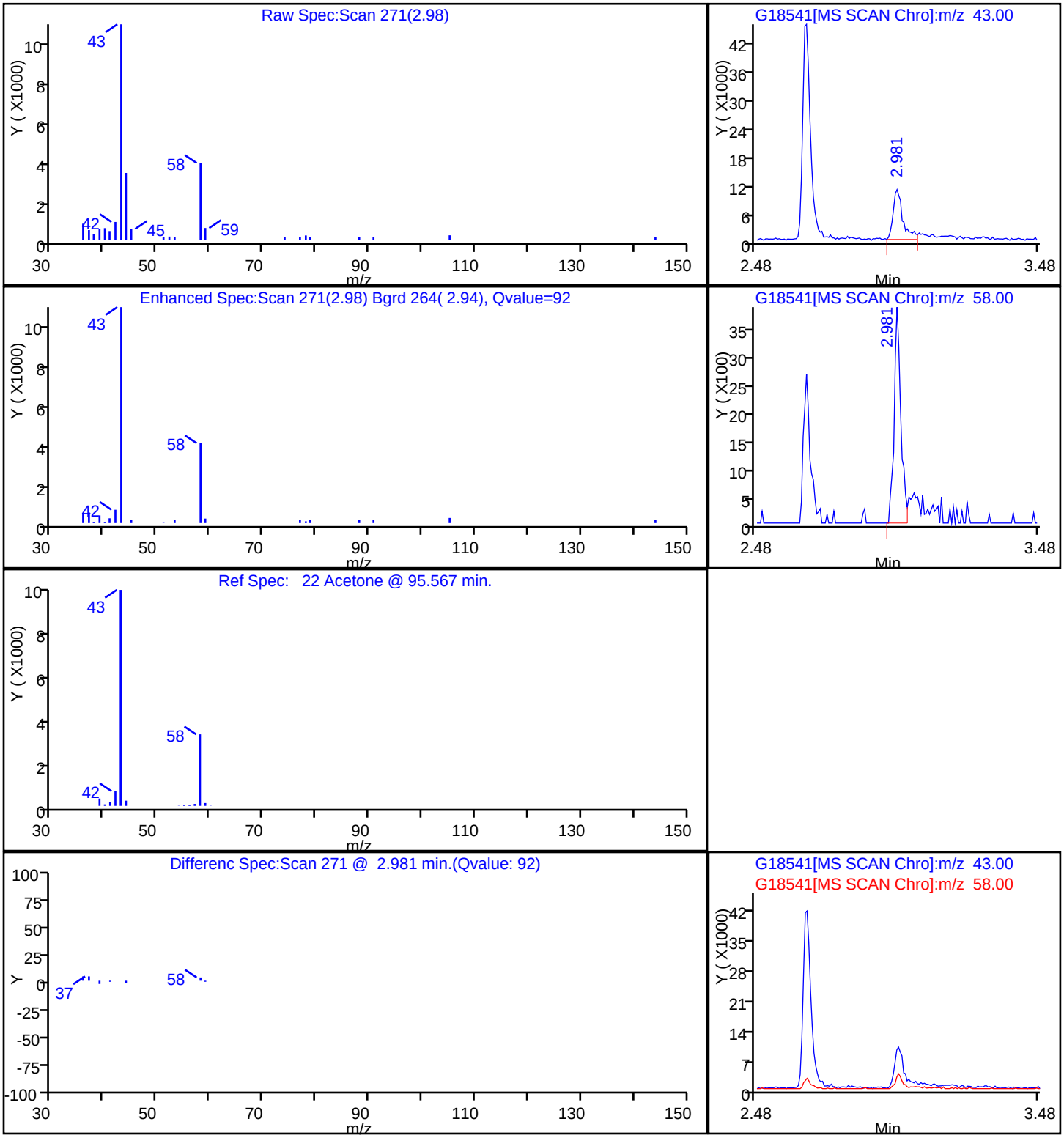
Report Date: 30-Dec-2012 16:12:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18541.D

Injection Date:	29-Dec-2012 14:35:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

22 Acetone



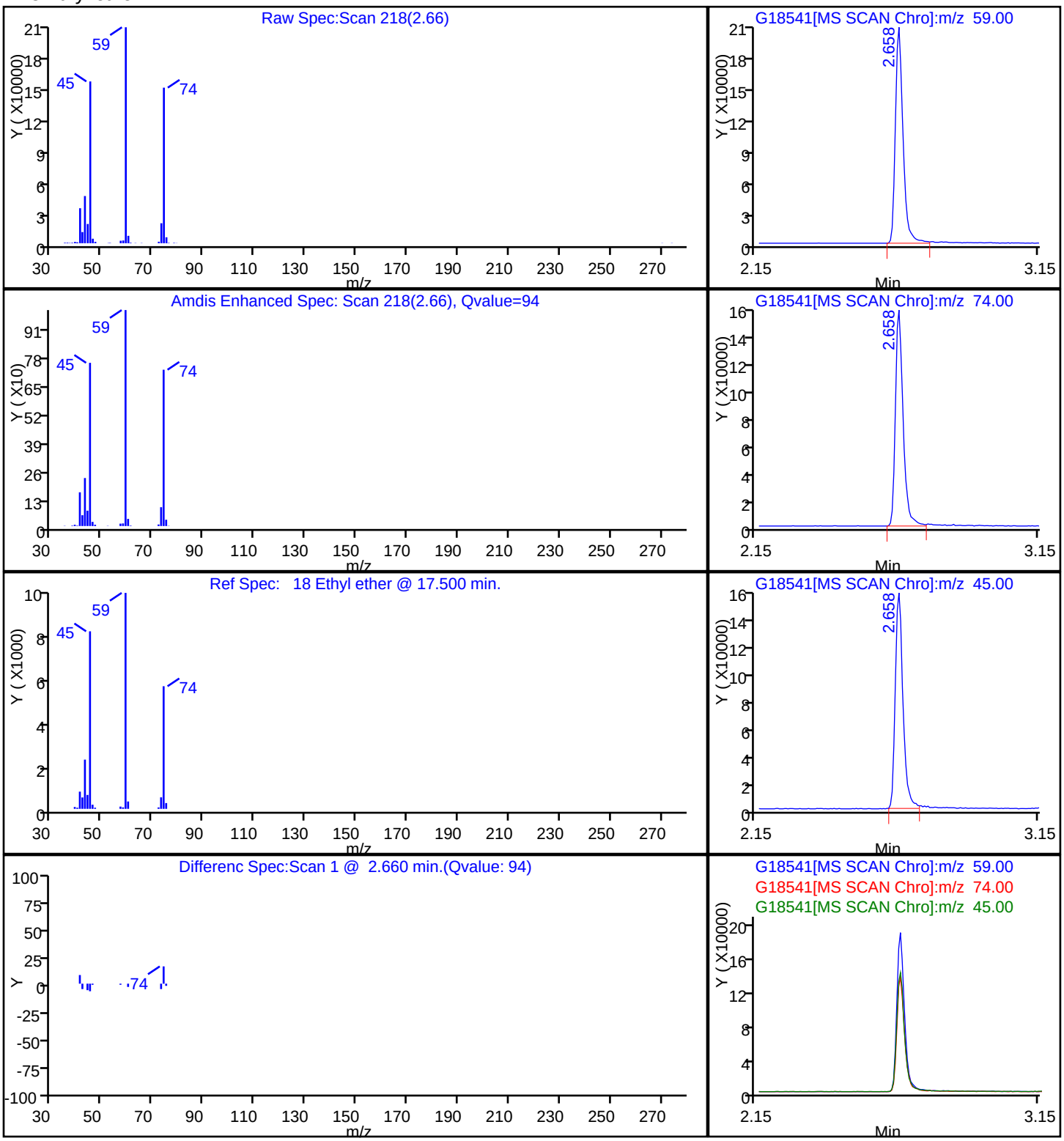
Report Date: 30-Dec-2012 16:12:41 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18541.D

Injection Date:	29-Dec-2012 14:35:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

18 Ethyl ether



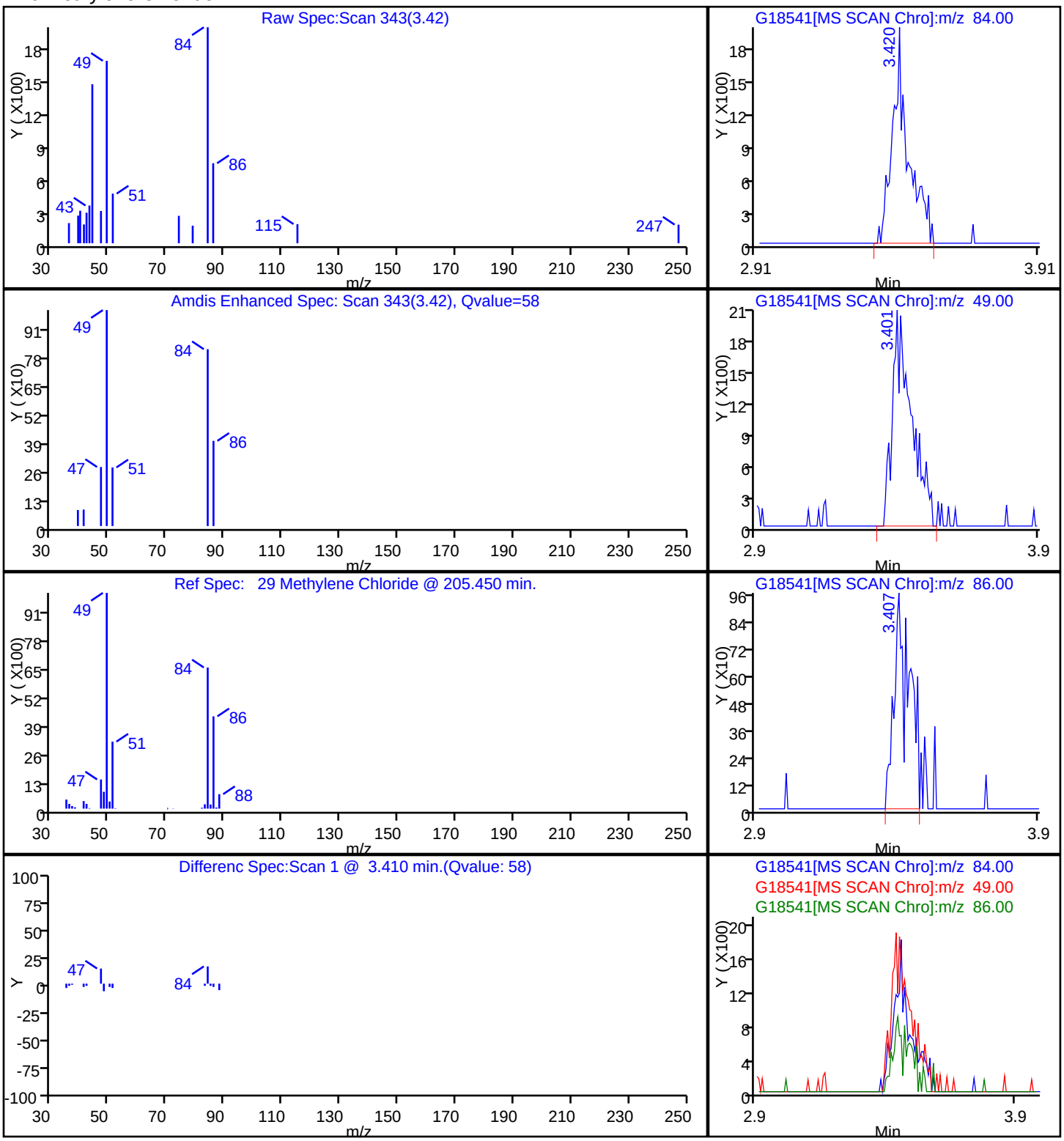
Report Date: 30-Dec-2012 16:12:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18541.D

Injection Date:	29-Dec-2012 14:35:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	13
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: S21632.D

Analysis Method: 8260B | Date Collected: 12/20/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:05

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 Lab Sample ID: 480-30773-15

Matrix: Water Lab File ID: S21632.D

Analysis Method: 8260B Date Collected: 12/20/2012 09:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 21:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	127		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: S21632.D

Analysis Method: 8260B | Date Collected: 12/20/2012 09:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:05

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

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\HP5973S\20121228-17912.b\S21632.D
Lims ID: 480-30773-B-15 Client ID: GW-44538-122012-015
Inject. Date: 28-Dec-2012 21:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-B-15
Misc. Info.: 480-0017912-025 =480-0017912-025
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 97675 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:44:02 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:44:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	96	574747	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	88	291280	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	228329	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	95	127274	31.8	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	707922	30.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	187468	26.0	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

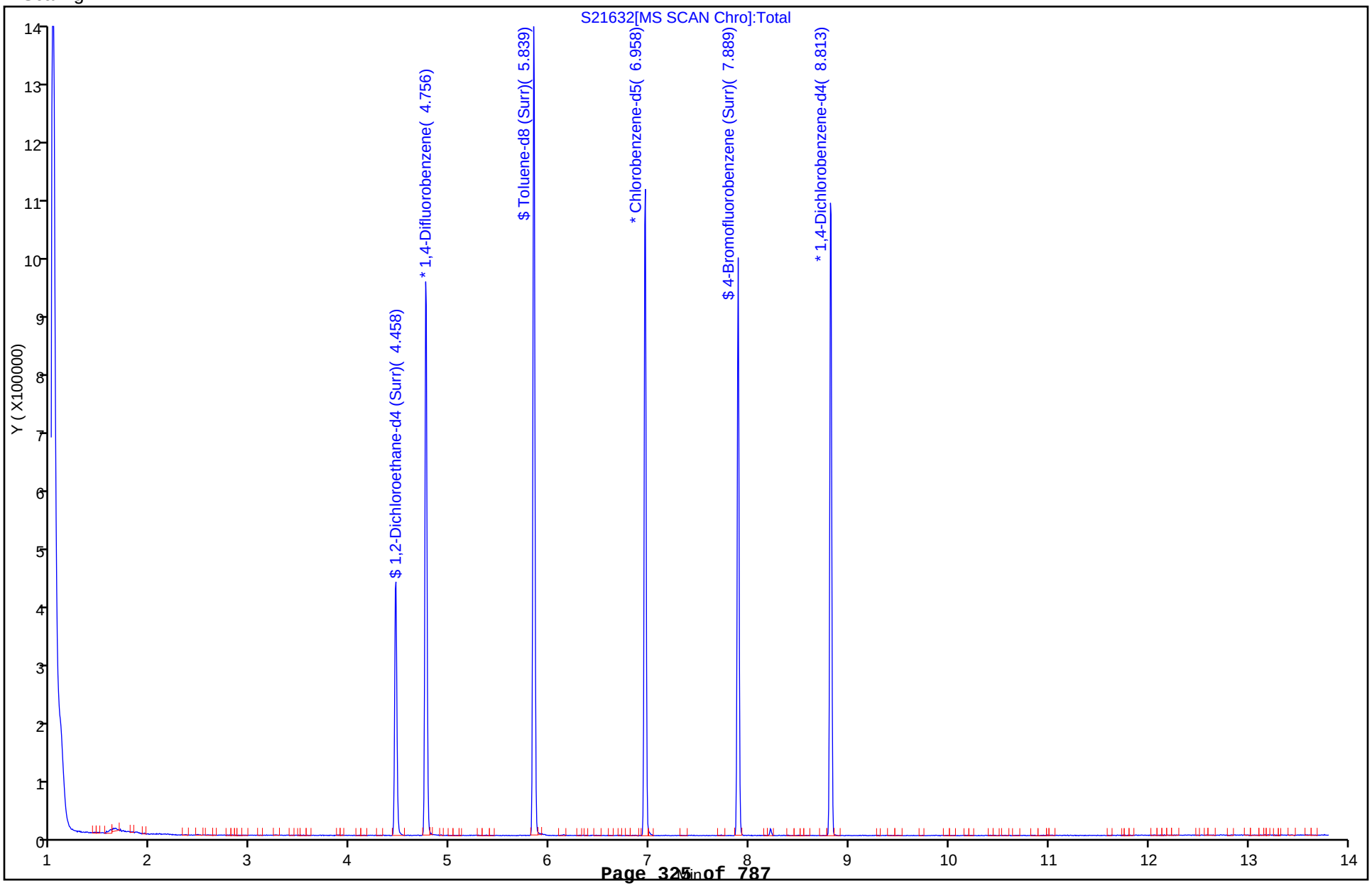
Report Date: 29-Dec-2012 13:44:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21632.D

Injection Date:	28-Dec-2012 21:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-015	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	25
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 | Lab Sample ID: 480-30773-16

Matrix: Water | Lab File ID: S21633.D

Analysis Method: 8260B | Date Collected: 12/20/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:26

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	2.9	J	10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 Lab Sample ID: 480-30773-16

Matrix: Water Lab File ID: S21633.D

Analysis Method: 8260B Date Collected: 12/20/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 21:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 | Lab Sample ID: 480-30773-16

Matrix: Water | Lab File ID: S21633.D

Analysis Method: 8260B | Date Collected: 12/20/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:26

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 48.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	
67-63-0	Isopropyl alcohol	2.64	47	
141-78-6	Ethyl acetate	3.87	1.5	

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21633.D
Lims ID: 480-30773-B-16 Client ID: GW-44538-122012-016
Inject. Date: 28-Dec-2012 21:26:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-B-16
Misc. Info.: 480-0017912-026 =480-0017912-026
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 97675 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:44:30 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:44:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	652945	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	88	344525	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	97	275806	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	94	126219	27.8	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	726769	26.5	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	190300	22.3	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43	3.874	3.868	0.006	91	14810	2.93	
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

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\HP5973S\20121228-17912.b\S21633.D		
Lims ID:	480-30773-B-16	Client ID:	GW-44538-122012-016
Inject. Date:	28-Dec-2012 21:26:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-30773-B-16		
Misc. Info.:	480-0017912-026 =480-0017912-026		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	29
Lims Batch ID:	97675	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	29-Dec-2012 13:44:30	Calib Date:	24-Dec-2012 17:20:30
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:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 13:44:30

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/L	Flags
Isopropyl alcohol	2.639	2344	47.1	
Ethyl acetate	3.874	14943	1.53	

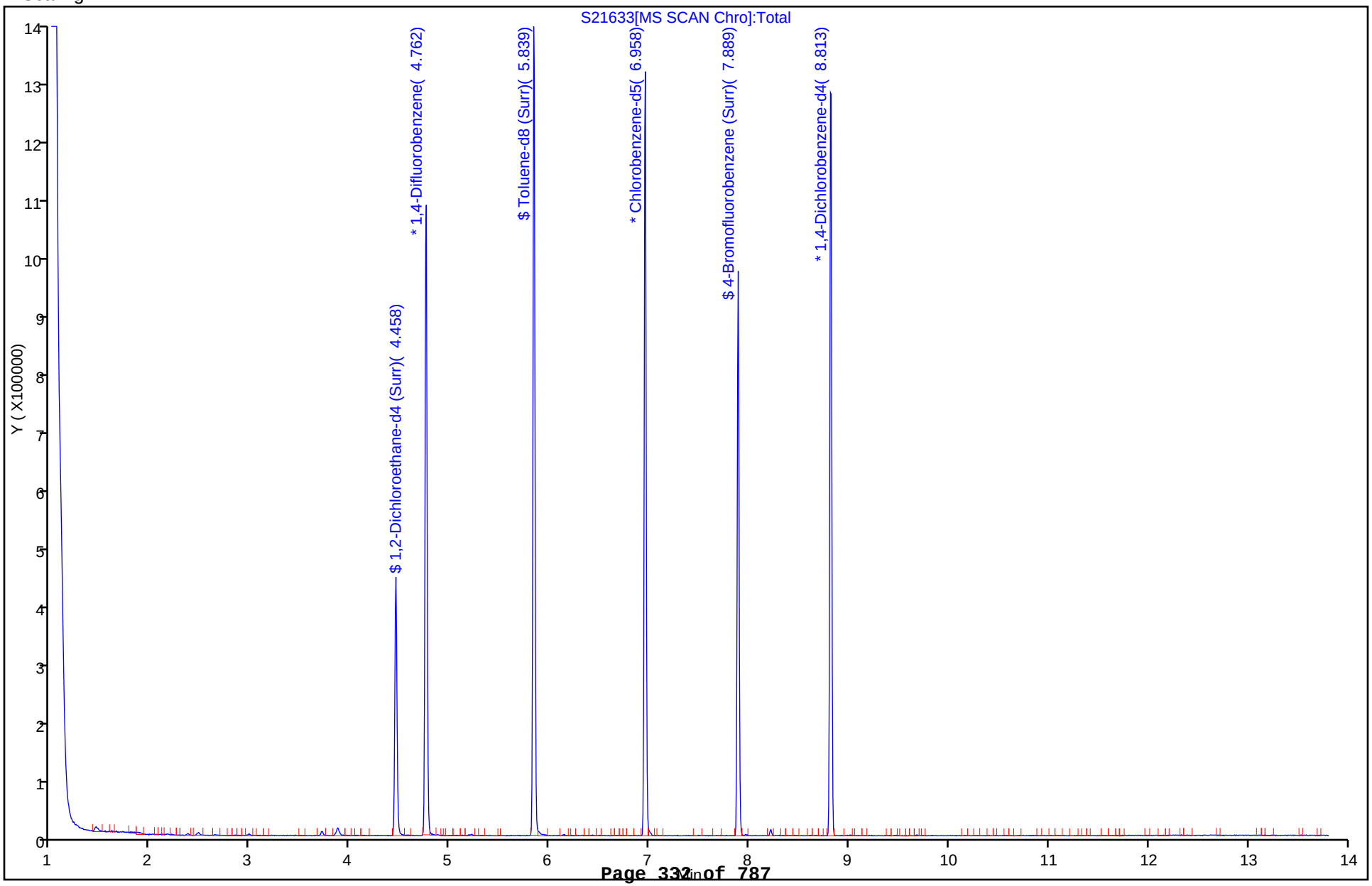
Report Date: 29-Dec-2012 13:44:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21633.D

Injection Date:	28-Dec-2012 21:26:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	26
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



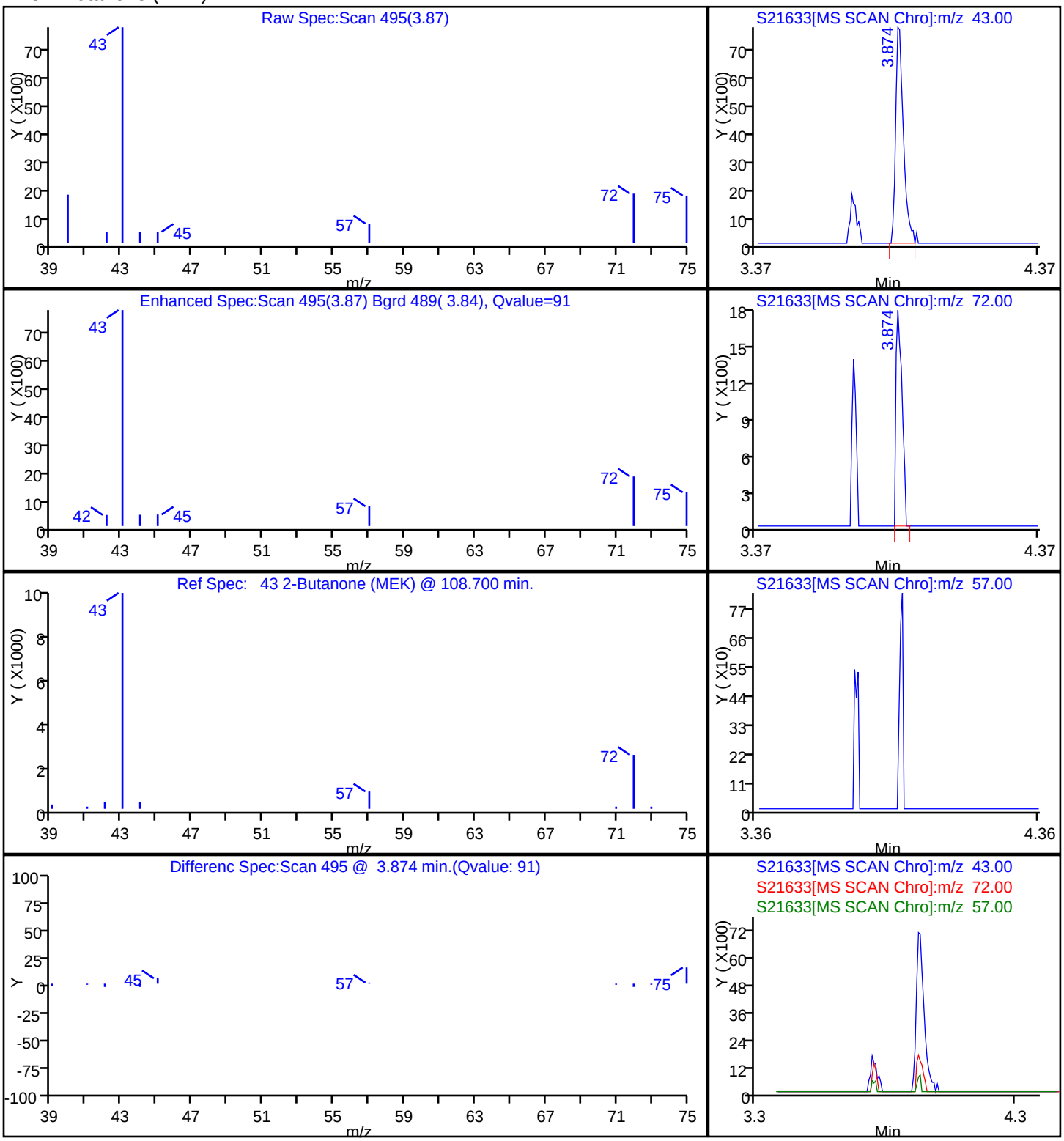
Report Date: 29-Dec-2012 13:44:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21633.D

Injection Date:	28-Dec-2012 21:26:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	26
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

43 2-Butanone (MEK)



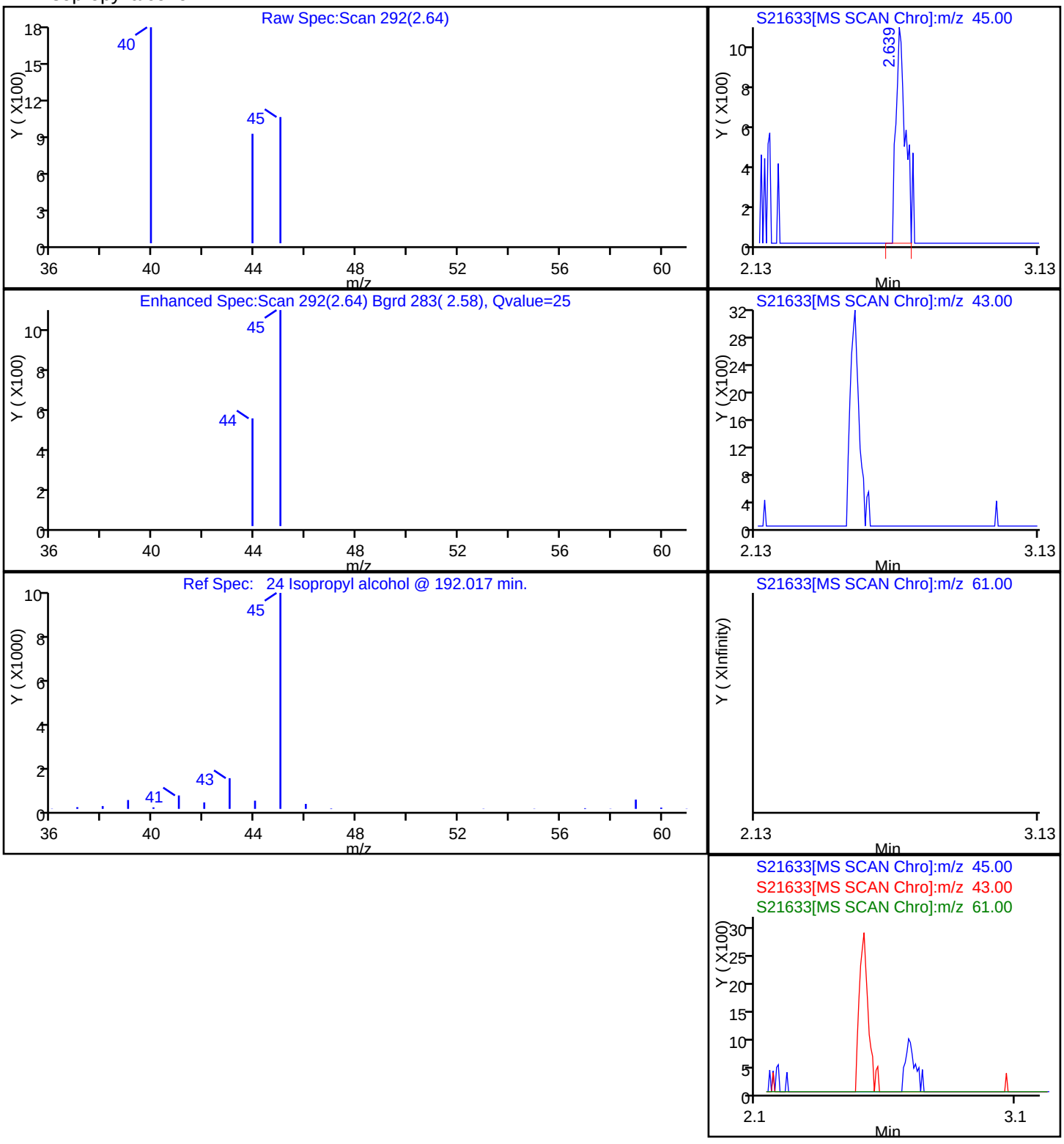
Report Date: 29-Dec-2012 13:44:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21633.D

Injection Date:	28-Dec-2012 21:26:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	26
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Isopropyl alcohol



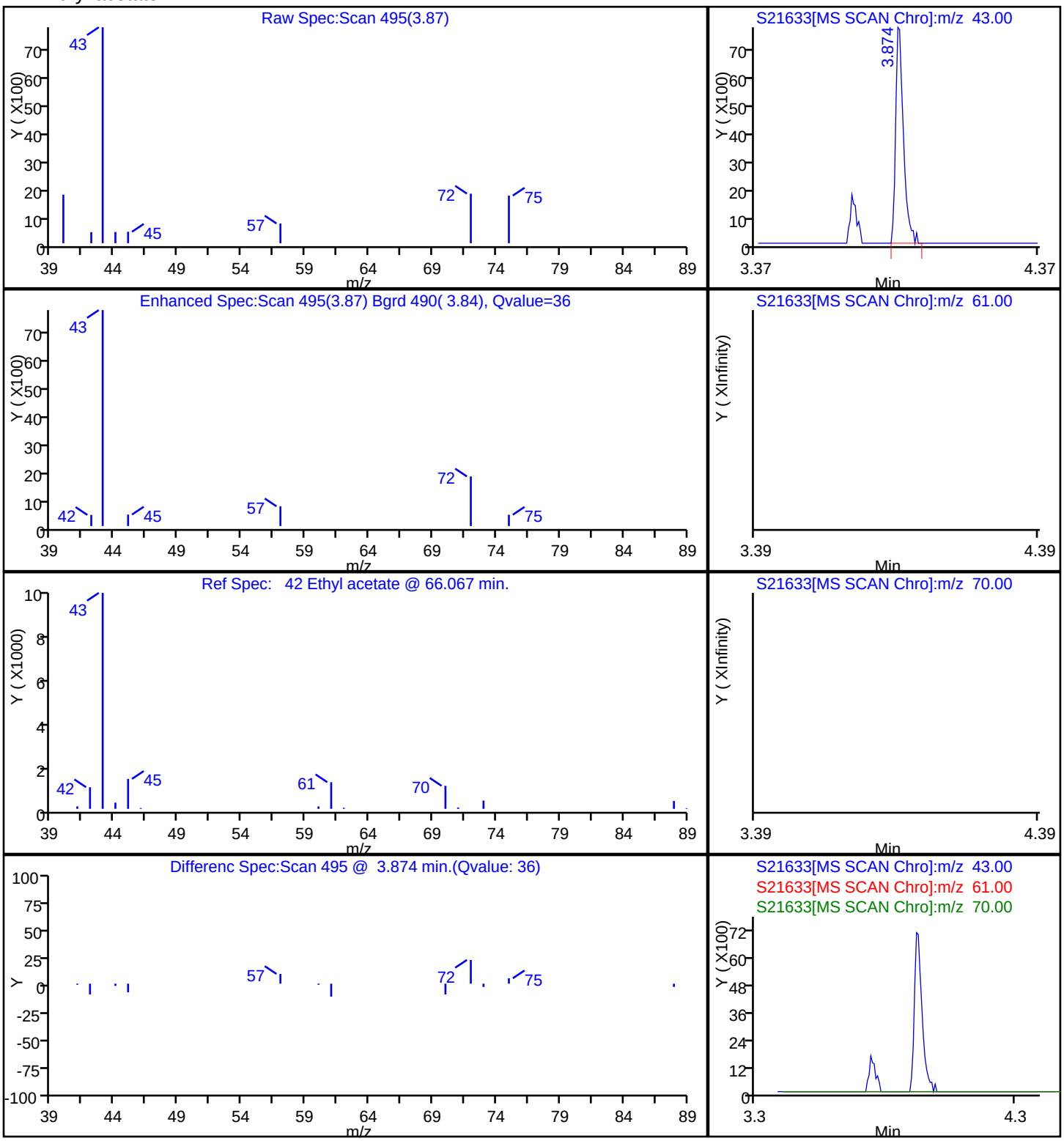
Report Date: 29-Dec-2012 13:44:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21633.D

Injection Date:	28-Dec-2012 21:26:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	26
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

42 Ethyl acetate



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: S21634.D

Analysis Method: 8260B | Date Collected: 12/20/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:47

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 Lab Sample ID: 480-30773-17

Matrix: Water Lab File ID: S21634.D

Analysis Method: 8260B Date Collected: 12/20/2012 11:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 21:47

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	98		73-120
2037-26-5	Toluene-d8 (Surr)	116		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: S21634.D

Analysis Method: 8260B | Date Collected: 12/20/2012 11:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 21:47

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

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\HP5973S\20121228-17912.b\S21634.D
Lims ID: 480-30773-B-17 Client ID: GW-44538-122012-017
Inject. Date: 28-Dec-2012 21:47:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-30773-B-17
Misc. Info.: 480-0017912-027 =480-0017912-027
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 30
Lims Batch ID: 97675 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:44:47 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:44:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	594650	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	88	304415	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	240377	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	122905	29.7	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	701406	29.0	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	184315	24.5	
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59		2.152					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					
34 trans-1,2-Dichloroethene	96		2.992					
39 1,1-Dichloroethane	63		3.357					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					19
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78		4.452					
58 1,2-Dichloroethane	62		4.513					
62 Trichloroethene	95		4.932					19
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112		6.976					
88 Ethylbenzene	91		7.043					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

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

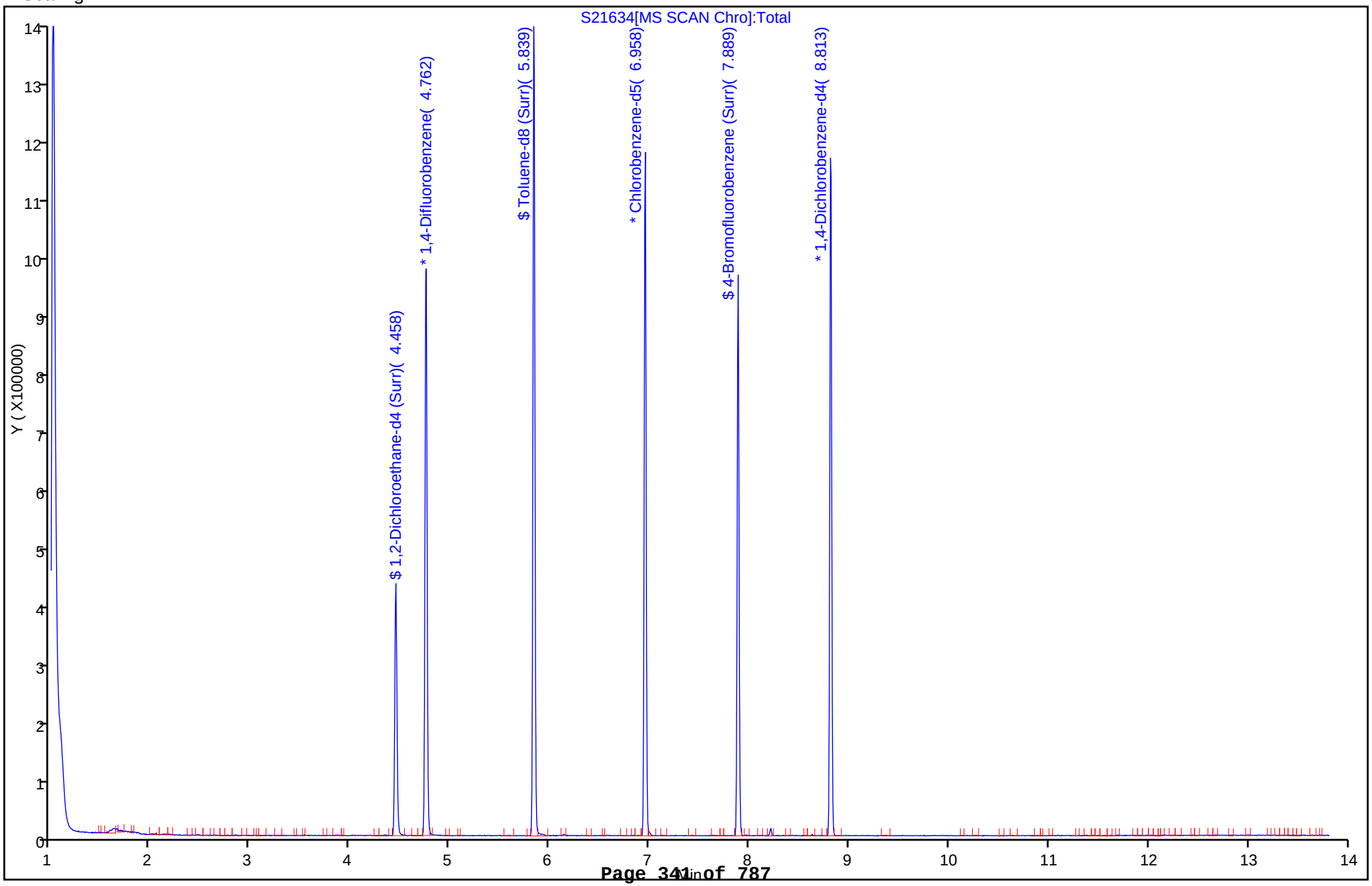
Report Date: 29-Dec-2012 13:44:48 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21634.D

Injection Date:	28-Dec-2012 21:47:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-122012-017	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	27
Operator ID:	TF	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.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95471/3	G17982.D
Level 2	IC 480-95471/4	G17983.D
Level 3	IC 480-95471/5	G17984.D
Level 4	ICIS 480-95471/6	G17985.D
Level 5	IC 480-95471/7	G17986.D
Level 6	IC 480-95471/8	G17987.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								
Dichlorodifluoromethane	0.3238 0.3789	0.3276	0.4052	0.3405	0.4056	Ave		0.3636				10.0		15.0			
Chloromethane	0.3051 0.4966	0.4062	0.4964	0.4482	0.5190	Lin1	-0.241	0.5003			0.1000				0.9980		0.9900
Vinyl chloride	0.3691 0.4667	0.3931	0.4530	0.4155	0.4911	Ave		0.4314				11.0		30.0			
Bromomethane	0.1877 0.1690	0.1902	0.1586	0.1560	0.1690	Ave		0.1718				8.4		15.0			
Chloroethane	0.2055 0.2237	0.2123	0.2175	0.2017	0.2335	Ave		0.2157				5.5		15.0			
Trichlorofluoromethane	0.3015 0.4553	0.3657	0.4201	0.3862	0.4674	Ave		0.3994				15.0		15.0			
Acrolein	0.0585 0.0642	0.0548	0.0542	0.0559	0.0615	Ave		0.0582				6.8		15.0			
1,1-Dichloroethene	0.4334 0.3372	0.3457	0.3372	0.3000	0.3402	Ave		0.3490				13.0		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1890 0.3166	0.2791	0.2441	0.2582	0.3013	Lin1	-0.177	0.3051							0.9950		0.9900
Acetone	0.1470 0.1641	0.1490	0.1331	0.1370	0.1475	Ave		0.1463				7.4		15.0			
Iodomethane	0.2453 0.3305	0.2623	0.2432	0.2615	0.3197	Ave		0.2771				14.0		15.0			
Carbon disulfide	0.8681 1.1615	0.9298	0.8766	0.9572	1.0927	Ave		0.9810				12.0		15.0			
Acetonitrile	0.0392 0.0606	0.0282	0.0645	0.0689	0.0678	Lin	1.1608	0.0619							0.9940		0.9900
Methyl acetate	0.8593 0.6688	0.6325	0.6399	0.6667	0.6613	Ave		0.6881				12.0		15.0			
Methylene Chloride	0.6409 0.4745	0.4837	0.5033	0.4626	0.4930	Ave		0.5097				13.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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								
Methyl tert-butyl ether	1.3047 1.3721	1.3828	1.3825	1.4108	1.4421	Ave		1.3825				3.3		15.0			
trans-1,2-Dichloroethene	0.3140 0.3941	0.3629	0.3914	0.3694	0.4155	Ave		0.3746				9.4		15.0			
Acrylonitrile	0.2523 0.2112	0.2196	0.2013	0.2785	0.2235	Ave		0.2311				13.0		15.0			
1,1-Dichloroethane	0.4635 0.6225	0.5724	0.6356	0.5976	0.6480	Ave		0.5899			0.1000	11.0		15.0			
Vinyl acetate	0.9887 0.8854	1.0781	1.0192	1.0883	1.0521	Ave		1.0186				7.4		15.0			
2,2-Dichloropropane	0.2602 0.2258	0.2065	0.2480	0.2280	0.2524	Ave		0.2368				8.5		15.0			
cis-1,2-Dichloroethene	0.3097 0.3637	0.3396	0.3726	0.3584	0.3850	Ave		0.3548				7.5		15.0			
2-Butanone (MEK)	0.3733 0.3522	0.3756	0.3511	0.3647	0.3687	Ave		0.3643				2.9		15.0			
Bromochloromethane	0.1859 0.1656	0.1622	0.1726	0.1695	0.1710	Ave		0.1711				4.8		15.0			
Tetrahydrofuran	0.2763 0.2468	0.2609	0.2371	0.2786	0.2537	Ave		0.2589				6.3		15.0			
Chloroform	0.3616 0.3854	0.3493	0.4042	0.3820	0.4057	Ave		0.3814				5.9		30.0			
1,1,1-Trichloroethane	0.2336 0.3719	0.3139	0.3638	0.3432	0.3859	Lin1	-0.171	0.3745							0.9990		0.9900
Cyclohexane	0.7849 0.8189	0.7956	0.6956	0.7173	0.8445	Ave		0.7761				7.5		15.0			
Carbon tetrachloride	0.2350 0.3891	0.2789	0.3448	0.3315	0.4014	Lin1	-0.247	0.3865							0.9960		0.9900
1,1-Dichloropropene	0.3794 0.4920	0.4518	0.5018	0.4624	0.5289	Ave		0.4694				11.0		15.0			
Benzene	1.2224 1.4354	1.3502	1.5576	1.4362	1.5243	Ave		1.4210				8.6		15.0			
1,2-Dichloroethane	0.5276 0.5376	0.5465	0.5695	0.5606	0.5709	Ave		0.5521				3.2		15.0			
Trichloroethene	0.3056 0.3403	0.3031	0.3577	0.3343	0.3630	Ave		0.3340				7.6		15.0			
Methylcyclohexane	0.4403 0.7000	0.5283	0.4591	0.5650	0.7274	Lin1	-0.513	0.6871							0.9900		0.9900
1,2-Dichloropropane	0.3265 0.3755	0.3483	0.3940	0.3733	0.3934	Ave		0.3685				7.2		30.0			

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.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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								
Dibromomethane	0.2187 0.2173	0.2166	0.2383	0.2311	0.2359	Ave		0.2263				4.4		15.0			
Bromodichloromethane	0.4240 0.4510	0.3741	0.4600	0.4404	0.4702	Ave		0.4366				7.9		15.0			
2-Chloroethyl vinyl ether	0.3443 0.3287	0.3557	0.3594	0.3691	0.3662	Ave		0.3539				4.3		15.0			
cis-1,3-Dichloropropene	0.5138 0.6226	0.5754	0.6354	0.6276	0.6502	Ave		0.6042				8.4		15.0			
4-Methyl-2-pentanone (MIBK)	1.3962 1.2902	1.4599	1.5149	1.4784	1.4351	Ave		1.4291				5.5		15.0			
Toluene	1.4421 1.7502	1.4813	1.8302	1.6514	1.7875	Ave		1.6571				9.8		30.0			
trans-1,3-Dichloropropene	0.9309 1.2102	1.0096	1.1713	1.1344	1.2027	Ave		1.1099				10.0		15.0			
Ethyl methacrylate	1.2139 1.3979	1.2108	1.3244	1.3227	1.4010	Ave		1.3118				6.4		15.0			
1,1,2-Trichloroethane	0.5399 0.5486	0.5366	0.5683	0.5386	0.5499	Ave		0.5470				2.2		15.0			
Tetrachloroethene	0.5241 0.6615	0.5560	0.6440	0.5844	0.6691	Ave		0.6065				9.9		15.0			
1,3-Dichloropropane	1.1765 1.2732	1.1628	1.3364	1.2431	1.2770	Ave		1.2449				5.3		15.0			
2-Hexanone	1.1774 1.1200	1.1710	1.1513	1.1863	1.1672	Ave		1.1622				2.0		15.0			
Dibromochloromethane	0.5222 0.6335	0.4987	0.5807	0.5749	0.6369	Ave		0.5745				9.8		15.0			
1,2-Dibromoethane	0.7016 0.7317	0.6440	0.7324	0.7196	0.7442	Ave		0.7122				5.1		15.0			
Chlorobenzene	1.6207 1.9027	1.6578	1.9347	1.7915	1.8990	Ave		1.8010			0.3000	7.5		15.0			
1,1,1,2-Tetrachloroethane	0.5522 0.5962	0.5230	0.6029	0.5756	0.6082	Ave		0.5764				5.8		15.0			
Ethylbenzene	2.6363 3.1623	2.8637	3.3544	3.1081	3.3201	Ave		3.0742				9.0		30.0			
m&p-Xylene	1.0384 1.2632	1.1471	1.3565	1.2525	1.3313	Ave		1.2315				9.7		15.0			
o-Xylene	1.0474 1.2455	1.0685	1.3226	1.2280	1.2869	Ave		1.1998				9.6		15.0			
Styrene	1.9085 2.2262	1.9335	2.3406	2.2237	2.3058	Ave		2.1564				8.7		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.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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								
Bromoform	0.3373 0.4837	0.3333	0.3951	0.4152	0.4371	Ave		0.4003			0.1000	15.0		15.0			
Isopropylbenzene	3.1192 3.8819	3.4041	4.0674	3.7082	4.2594	Ave		3.7401				11.0		15.0			
Bromobenzene	0.8128 0.9086	0.7580	0.8768	0.8576	0.9551	Ave		0.8615				8.1		15.0			
1,1,2,2-Tetrachloroethane	1.3609 1.4274	1.3342	1.3942	1.3382	1.4288	Ave		1.3806			0.3000	3.1		15.0			
1,2,3-Trichloropropane	0.4827 0.4598	0.4702	0.4632	0.4528	0.4709	Ave		0.4666				2.2		15.0			
trans-1,4-Dichloro-2-butene	0.3013 0.4586	0.3290	0.3661	0.4078	0.4808	Lin1	-1.475	0.4580							0.9950		0.9900
N-Propylbenzene	3.7232 4.3964	4.1348	4.8149	4.4150	4.9505	Ave		4.4058				10.0		15.0			
2-Chlorotoluene	0.7007 0.8513	0.7818	0.8674	0.8183	0.9134	Ave		0.8221				9.0		15.0			
1,3,5-Trimethylbenzene	2.8248 3.2091	2.9384	3.4635	3.2200	3.4476	Ave		3.1839				8.2		15.0			
4-Chlorotoluene	0.7370 0.8882	0.7822	0.9027	0.8602	0.9604	Ave		0.8551				9.6		15.0			
tert-Butylbenzene	0.5908 0.6475	0.6241	0.7089	0.6488	0.6912	Ave		0.6519				6.6		15.0			
1,2,4-Trimethylbenzene	2.8121 3.2397	3.0436	3.5270	3.2776	3.4548	Ave		3.2258				8.2		15.0			
sec-Butylbenzene	3.1240 3.7317	3.6541	4.2189	3.8445	4.0013	Ave		3.7624				9.9		15.0			
1,3-Dichlorobenzene	1.5508 1.6942	1.6003	1.8430	1.7157	1.7653	Ave		1.6949				6.3		15.0			
4-Isopropyltoluene	2.5535 3.0254	2.9137	3.4414	3.1133	3.1599	Ave		3.0345				9.7		15.0			
1,4-Dichlorobenzene	1.5654 1.8027	1.6651	1.9070	1.8064	1.8629	Ave		1.7682				7.3		15.0			
n-Butylbenzene	2.4562 3.0080	2.7262	3.2576	2.9118	2.9342	Ave		2.8823				9.4		15.0			
1,2-Dichlorobenzene	1.7194 1.6620	1.6469	1.8319	1.7016	1.6580	Ave		1.7033				4.0		15.0			
1,2-Dibromo-3-Chloropropane	0.3788 0.3473	0.3454	0.3535	0.3533	0.3128	Ave		0.3485				6.1		15.0			
1,2,4-Trichlorobenzene	1.1092 1.0856	1.1205	1.2224	0.9825	0.7655	Ave		1.0476				15.0		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.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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								
Hexachlorobutadiene	0.3795 0.3930	0.4064	0.4470	0.3329	0.2507	Qua	1.6306	0.1325	0.0024						0.9900		0.9900
Naphthalene	4.4907 3.8751	4.5207	4.7609	4.0127	3.3089	Ave		4.1615				13.0		15.0			
1,2,3-Trichlorobenzene	1.1307 0.9922	1.1013	1.1273	0.8742	0.6951	Qua	3.7068	0.4411	0.0051						0.9930		0.9900
1,2-Dichloroethane-d4 (Surr)	0.2943 0.2288	0.2643	0.2442	0.2671	0.2545	Ave		0.2589				8.6		15.0			
Toluene-d8 (Surr)	2.4722 2.4353	2.5868	2.4206	2.7624	2.6095	Ave		2.5478				5.1		15.0			
4-Bromofluorobenzene (Surr)	0.7177 0.6759	0.7092	0.6953	0.7888	0.7209	Ave		0.7180				5.4		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.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95471/3	G17982.D
Level 2	IC 480-95471/4	G17983.D
Level 3	IC 480-95471/5	G17984.D
Level 4	ICIS 480-95471/6	G17985.D
Level 5	IC 480-95471/7	G17986.D
Level 6	IC 480-95471/8	G17987.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
Dichlorodifluoromethane	DFB	Ave	7370 842097	34459	88889	182037	433907	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Lin1	6946 1103626	42730	108888	239569	555244	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	8403 1037146	41358	99376	222098	525395	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	4272 375656	20012	34785	83396	180803	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	4679 497179	22335	47710	107805	249849	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	6863 1011860	38476	92156	206436	500041	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	26655 2851653	115251	237952	598067	1315135	20.0 2000	100	200	500	1000
1,1-Dichloroethene	DFB	Ave	9865 749376	36373	73969	160392	363982	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Lin1	4303 703708	29360	53537	138042	322304	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	16726 1823320	78390	145996	366055	788850	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	5585 734487	27594	53337	139767	342022	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	19762 2581318	97818	192284	511697	1169004	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Lin	35682 5389507	118849	565613	1474121	2900394	40.0 4000	200	400	1000	2000
Methyl acetate	DFB	Ave	19561 1486225	66542	140354	356413	707492	1.00 100	5.00	10.0	25.0	50.0
Methylene Chloride	DFB	Ave	14589 1054439	50890	110401	247317	527446	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	29701 3049415	145475	303247	754172	1542772	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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
trans-1,2-Dichloroethene	DFB	Ave	7148 875899	38175	85860	197473	444530	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	28717 2346832	115533	220766	744464	1195761	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	10552 1383336	60215	139426	319445	693193	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	112527 9838155	567105	1117787	2909002	5627922	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	5924 501892	21719	54407	121894	270017	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	7050 808326	35728	81736	191607	411830	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	42491 3913331	197553	385049	974810	1972086	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	4232 367982	17068	37853	90618	182902	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	31449 2742364	137256	260025	744713	1357145	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	8231 856583	36750	88659	204198	434005	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Lin1	5318 826554	33028	79808	183451	412810	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	17867 1819905	83698	152570	383473	903494	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Lin1	5349 864713	29344	75642	177186	429438	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	8636 1093305	47534	110073	247202	565818	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	27826 3189989	142042	341665	767749	1630756	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	12010 1194646	57492	124917	299707	610804	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	6957 756213	31888	78467	178720	388383	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Lin1	10023 1555663	55580	100695	302032	778160	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	7433 834559	36643	86433	199578	420855	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	4978 482907	22787	52261	123562	252330	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	9651 1002298	39352	100891	235408	503060	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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
2-Chloroethyl vinyl ether	DFB	Ave	39193 3652127	187117	394119	986449	1958776	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	11696 1383753	60531	139383	335514	695620	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	88000 7259411	425147	899712	2193449	4147807	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	18179 1969547	86278	217391	490013	1033265	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	11735 1361953	58804	139135	336617	695247	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	15302 1573133	70524	157313	392483	809848	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6806 617319	31253	67509	159810	317894	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	6607 744388	32383	76498	173397	386771	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	14831 1432859	67728	158741	368867	738192	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	74214 6302071	341031	683744	1759996	3373575	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	6583 712861	29049	68972	170596	368196	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	8844 823398	37507	86995	213539	430195	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	20431 2141203	96557	229803	531581	1097715	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	6961 670993	30462	71616	170797	351596	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	33233 3558661	166797	398448	922266	1919217	1.00 100	5.00	10.0	25.0	50.0
m&p-Xylene	CBZ	Ave	26180 2843169	133620	322248	743300	1539185	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	13204 1401678	62232	157107	364389	743907	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	24058 2505279	112614	278027	659827	1332920	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	4252 544352	19414	46929	123203	252665	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	32845 3451179	164597	412605	932347	1878971	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	8559 807790	36650	88947	215617	421305	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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
1,1,2,2-Tetrachloroethane	DCB	Ave	14330 1269018	64514	141429	336454	630267	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	5083 408814	22735	46988	113850	207713	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Lin1	15862 2038605	79549	185685	512704	1060530	5.00 500	25.0	50.0	125	250
N-Propylbenzene	DCB	Ave	39205 3908565	199928	488425	1110045	2183823	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	7378 756841	37800	87985	205747	402940	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	29745 2853048	142079	351338	809596	1520836	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	7761 789655	37821	91566	216269	423645	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	6221 575672	30178	71915	163135	304901	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	29611 2880239	147167	357779	824079	1523997	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	32895 3317618	176687	427968	966615	1765081	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	16330 1506205	77379	186955	431374	778740	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	26888 2689679	140885	349094	782765	1393924	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	16483 1602631	80511	193446	454189	821782	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	25863 2674218	131819	330453	732106	1294359	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	18105 1477598	79630	185832	427835	731394	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	3989 308803	16701	35858	88826	137972	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	11680 965131	54178	123998	247029	337676	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Qua	3996 349393	19652	45342	83706	110597	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	47287 3445110	218590	482953	1008894	1459670	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Qua	11906 882110	53250	114357	219798	306629	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	6700 508425	27808	53570	142768	272282	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95471

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/12/2012 17:29 Calibration End Date: 12/12/2012 19:23 Calibration ID: 11598

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
Toluene-d8 (Surr)	CBZ	Ave	31164 2740554	150666	287519	819681	1508480	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	9047 760668	41308	82593	234051	416701	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17982.D
Lims ID: IC Client ID:
Inject. Date: 12-Dec-2012 17:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC
Misc. Info.: 480-0017481-003 =480-0017481-003
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 87
Lims Batch ID: 95471 Lims Sample ID: 3
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:11 Calib Date: 12-Dec-2012 17:29:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17982.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 08:40:22
Second Level Reviewer: fergusont Date: 13-Dec-2012 09:25:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	569094	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	315149	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	263247	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.352	5.340	0.012	0	6700	1.00	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	89	31164	1.00	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	75	9047	1.00	
10 Dichlorodifluoromethane	85	1.432	1.438	-0.006	67	7370	1.00	
12 Chloromethane	50	1.609	1.609	0.0	78	6946	1.00	
13 Vinyl chloride	62	1.719	1.725	-0.006	37	8403	1.00	
14 Bromomethane	94	2.048	2.042	0.006	1	4272	1.00	
15 Chloroethane	64	2.188	2.152	0.036	30	4679	1.00	
17 Trichlorofluoromethane	101	2.359	2.383	-0.024	76	6863	1.00	
19 Acrolein	56	2.816	2.810	0.006	94	26655	20.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.962	2.889	0.073	3	4303	1.00	
20 1,1-Dichloroethene	96	2.913	2.901	0.012	73	9865	1.00	
22 Acetone	43	2.974	2.975	-0.001	95	16726	5.00	
23 Iodomethane	142	3.054	3.060	-0.006	45	5585	1.00	
24 Carbon disulfide	76	3.096	3.090	0.006	85	19762	1.00	
27 Acetonitrile	40	3.273	3.267	0.006	99	35682	40.0	
28 Methyl acetate	43	3.279	3.273	0.006	64	19561	1.00	
29 Methylene Chloride	84	3.413	3.420	-0.007	77	14589	1.00	
31 Methyl tert-butyl ether	73	3.608	3.603	0.006	95	29701	1.00	
32 trans-1,2-Dichloroethene	96	3.615	3.609	0.006	34	7148	1.00	
33 Acrylonitrile	53	3.645	3.639	0.006	97	28717	5.00	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	59	10552	1.00	
38 Vinyl acetate	43	4.078	4.072	0.006	98	112527	5.00	
42 2,2-Dichloropropane	77	4.541	4.547	-0.006	76	5924	1.00	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	66	7050	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
44 2-Butanone (MEK)	43	4.620	4.602	0.018	97	42491	5.00	
48 Chlorobromomethane	128	4.809	4.803	0.006	86	4232	1.00	
49 Tetrahydrofuran	42	4.852	4.840	0.012	91	31449	5.00	
50 Chloroform	85	4.877	4.883	-0.007	88	8231	1.00	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	64	5318	1.00	
52 Cyclohexane	56	5.029	5.029	0.0	45	17867	1.00	
53 Carbon tetrachloride	117	5.157	5.157	0.0	46	5349	1.00	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	88	8636	1.00	
56 Benzene	78	5.364	5.364	0.0	95	27826	1.00	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	81	12010	1.00	
61 Trichloroethene	95	5.968	5.968	0.0	86	6957	1.00	
62 Methylcyclohexane	83	6.108	6.114	-0.006	89	10023	1.00	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	81	7433	1.00	
65 Dibromomethane	93	6.334	6.334	0.0	76	4978	1.00	
67 Dichlorobromomethane	83	6.492	6.486	0.006	79	9651	1.00	
70 2-Chloroethyl vinyl ether	63	6.760	6.767	-0.007	91	39193	5.00	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	77	11696	1.00	
73 4-Methyl-2-pentanone (MIBK)	43	7.053	7.047	0.006	97	88000	5.00	
74 Toluene	92	7.205	7.205	0.0	90	18179	1.00	
76 trans-1,3-Dichloropropene	75	7.467	7.468	-0.001	78	11735	1.00	
78 Ethyl methacrylate	69	7.528	7.522	0.006	84	15302	1.00	
79 1,1,2-Trichloroethane	83	7.656	7.657	-0.001	80	6806	1.00	
80 Tetrachloroethene	166	7.748	7.748	0.0	86	6607	1.00	
81 1,3-Dichloropropane	76	7.827	7.821	0.006	87	14831	1.00	
82 2-Hexanone	43	7.894	7.888	0.006	98	74214	5.00	
83 Chlorodibromomethane	129	8.059	8.059	0.0	71	6583	1.00	
84 Ethylene Dibromide	107	8.175	8.169	0.006	82	8844	1.00	
86 Chlorobenzene	112	8.656	8.656	0.0	77	20431	1.00	
89 Ethylbenzene	91	8.748	8.748	0.0	95	33233	1.00	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	33	6961	1.00	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	97	26180	2.00	
91 o-Xylene	106	9.296	9.297	-0.001	95	13204	1.00	
92 Styrene	104	9.321	9.327	-0.006	94	24058	1.00	
93 Bromoform	173	9.565	9.559	0.006	67	4252	1.00	
95 Isopropylbenzene	105	9.680	9.681	-0.001	91	32845	1.00	
97 Bromobenzene	156	10.016	10.016	0.0	92	8559	1.00	
98 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.0	72	14330	1.00	
99 1,2,3-Trichloropropane	110	10.083	10.083	0.0	79	5083	1.00	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	63	15862	5.00	
101 N-Propylbenzene	91	10.101	10.101	0.0	92	39205	1.00	
102 2-Chlorotoluene	126	10.205	10.199	0.006	90	7378	1.00	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	89	29745	1.00	
105 4-Chlorotoluene	126	10.308	10.309	-0.001	91	7761	1.00	
106 tert-Butylbenzene	134	10.589	10.589	0.0	84	6221	1.00	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	93	29611	1.00	
109 sec-Butylbenzene	105	10.796	10.796	0.0	91	32895	1.00	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	80	16330	1.00	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	91	26888	1.00	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	72	16483	1.00	
115 n-Butylbenzene	91	11.320	11.321	0.0	94	25863	1.00	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	87	18105	1.00	
117 1,2-Dibromo-3-Chloropropane	75	12.076	12.083	-0.007	48	3989	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	87	11680	1.00	
120 Hexachlorobutadiene	225	12.887	12.887	0.0	76	3996	1.00	
121 Naphthalene	128	12.979	12.979	0.0	96	47287	1.00	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	86	11906	1.00	
S 123 Total BTEX	1				0		6.00	
S 124 Xylenes, Total	1				0		3.00	
S 125 1,2-Dichloroethene, Total	1				0		2.00	
S 126 1,3-Dichloropropene, Total	1				0		2.00	

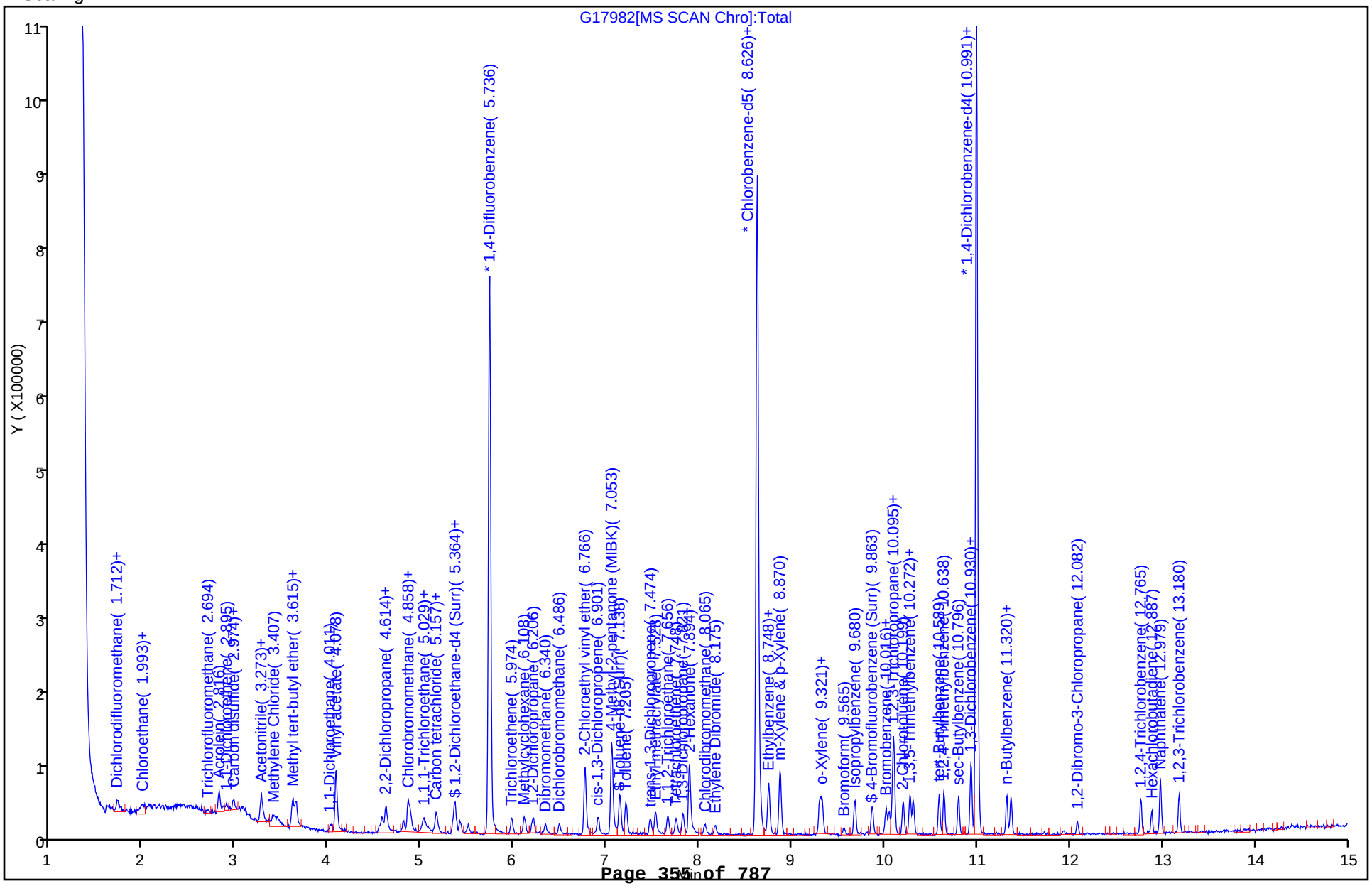
Report Date: 13-Dec-2012 09:25:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17982.D

Injection Date:	12-Dec-2012 17:29:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	3
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17983.D
Lims ID: IC 2 Client ID:
Inject. Date: 12-Dec-2012 17:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC 2
Misc. Info.: 480-0017481-004 =480-0017481-004
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 88
Lims Batch ID: 95471 Lims Sample ID: 4
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:13 Calib Date: 12-Dec-2012 17:52:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17983.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 09:25:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	526011	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	90	291224	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	94	241764	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	27808	4.73	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	92	150666	5.11	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	82	41308	4.97	
10 Dichlorodifluoromethane	85	1.432	1.438	-0.006	85	34459	5.03	
12 Chloromethane	50	1.603	1.609	-0.006	89	42730	5.71	
13 Vinyl chloride	62	1.712	1.725	-0.013	63	41358	5.16	
14 Bromomethane	94	2.048	2.042	0.006	92	20012	5.03	
15 Chloroethane	64	2.145	2.152	-0.007	90	22335	5.08	
17 Trichlorofluoromethane	101	2.371	2.383	-0.012	75	38476	5.48	
19 Acrolein	56	2.810	2.810	0.0	95	115251	96.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.877	2.889	-0.012	57	29360	5.96	
20 1,1-Dichloroethene	96	2.883	2.901	-0.018	86	36373	4.44	
22 Acetone	43	2.974	2.975	-0.001	97	78390	25.2	
23 Iodomethane	142	3.072	3.060	0.012	93	27594	5.17	
24 Carbon disulfide	76	3.084	3.090	-0.006	99	97818	5.17	
27 Acetonitrile	40	3.267	3.267	0.0	99	118849	167.5	
28 Methyl acetate	43	3.273	3.273	0.0	93	66542	4.24	
29 Methylene Chloride	84	3.413	3.420	-0.007	86	50890	4.30	
31 Methyl tert-butyl ether	73	3.602	3.603	0.0	90	145475	5.15	
32 trans-1,2-Dichloroethene	96	3.608	3.609	-0.001	38	38175	5.36	
33 Acrylonitrile	53	3.639	3.639	0.0	99	115533	23.3	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	82	60215	5.53	
38 Vinyl acetate	43	4.072	4.072	0.0	97	567105	26.1	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	84	21719	4.42	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	71	35728	5.23	
44 2-Butanone (MEK)	43	4.608	4.602	0.006	100	197553	25.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	90	17068	4.66	
49 Tetrahydrofuran	42	4.846	4.840	0.006	90	137256	24.3	
50 Chloroform	85	4.883	4.883	0.0	79	36750	4.91	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	90	33028	5.73	
52 Cyclohexane	56	5.029	5.029	0.0	90	83698	5.03	
53 Carbon tetrachloride	117	5.157	5.157	0.0	49	29344	5.43	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	90	47534	5.44	
56 Benzene	78	5.364	5.364	0.0	97	142042	5.25	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	57492	5.09	
61 Trichloroethene	95	5.974	5.968	0.006	91	31888	4.98	
62 Methylcyclohexane	83	6.114	6.114	0.0	92	55580	5.45	
63 1,2-Dichloropropane	63	6.205	6.206	-0.001	87	36643	5.16	
65 Dibromomethane	93	6.333	6.334	-0.001	83	22787	4.98	
67 Dichlorobromomethane	83	6.486	6.486	0.0	94	39352	4.69	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	92	187117	25.4	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	83	60531	5.28	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	99	425147	25.6	
74 Toluene	92	7.205	7.205	0.0	96	86278	5.07	
76 trans-1,3-Dichloropropene	75	7.473	7.468	0.005	93	58804	5.20	
78 Ethyl methacrylate	69	7.522	7.522	0.0	91	70524	4.99	
79 1,1,2-Trichloroethane	83	7.656	7.657	-0.001	87	31253	4.98	
80 Tetrachloroethene	166	7.748	7.748	0.0	88	32383	5.15	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	96	67728	4.97	
82 2-Hexanone	43	7.888	7.888	0.0	98	341031	24.9	
83 Chlorodibromomethane	129	8.059	8.059	0.0	87	29049	4.89	
84 Ethylene Dibromide	107	8.168	8.169	-0.001	99	37507	4.79	
86 Chlorobenzene	112	8.656	8.656	0.0	84	96557	5.06	
89 Ethylbenzene	91	8.748	8.748	0.0	99	166797	5.21	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	75	30462	4.86	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	133620	10.5	
91 o-Xylene	106	9.296	9.297	-0.001	98	62232	5.05	
92 Styrene	104	9.321	9.327	-0.006	94	112614	5.03	
93 Bromoform	173	9.558	9.559	-0.001	91	19414	4.97	
95 Isopropylbenzene	105	9.680	9.681	-0.001	95	164597	5.22	
97 Bromobenzene	156	10.016	10.016	0.0	94	36650	4.83	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.046	0.006	85	64514	4.95	
99 1,2,3-Trichloropropane	110	10.083	10.083	0.0	79	22735	4.93	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	65	79549	26.1	
101 N-Propylbenzene	91	10.101	10.101	0.0	95	199928	5.26	
102 2-Chlorotoluene	126	10.199	10.199	0.0	94	37800	5.27	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	81	142079	5.10	
105 4-Chlorotoluene	126	10.308	10.309	-0.001	90	37821	5.15	
106 tert-Butylbenzene	134	10.589	10.589	0.0	88	30178	5.14	
107 1,2,4-Trimethylbenzene	105	10.638	10.644	-0.006	96	147167	5.20	
109 sec-Butylbenzene	105	10.796	10.796	0.0	94	176687	5.39	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	77379	5.08	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	97	140885	5.33	
113 1,4-Dichlorobenzene	146	11.015	11.016	-0.001	88	80511	5.15	
115 n-Butylbenzene	91	11.320	11.321	0.0	96	131819	5.26	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	94	79630	4.89	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	69	16701	4.77	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	94	54178	5.03	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.881	12.887	-0.006	89	19652	5.17	
121 Naphthalene	128	12.979	12.979	-0.001	98	218590	5.02	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	94	53250	4.93	
S 123 Total BTEX	1				0		31.1	
S 124 Xylenes, Total	1				0		15.5	
S 125 1,2-Dichloroethene, Total	1				0		10.6	
S 126 1,3-Dichloropropene, Total	1				0		10.5	

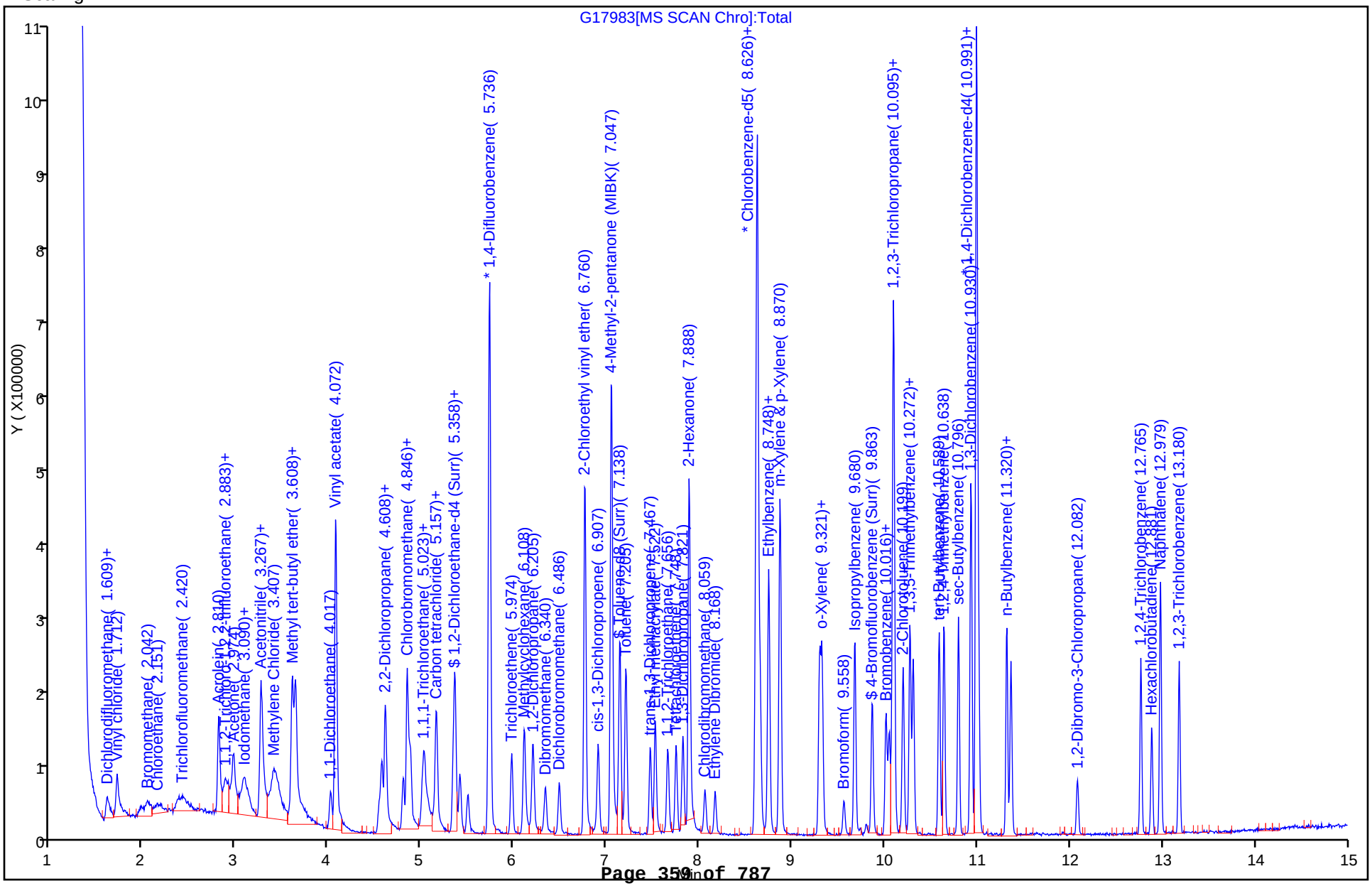
Report Date: 13-Dec-2012 09:25:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17983.D

Injection Date:	12-Dec-2012 17:52:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	4
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17984.D
Lims ID: IC 3 Client ID:
Inject. Date: 12-Dec-2012 18:15:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC 3
Misc. Info.: 480-0017481-005 =480-0017481-005
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 89
Lims Batch ID: 95471 Lims Sample ID: 5
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:15 Calib Date: 12-Dec-2012 18:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17984.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 08:47:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	548376	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	296956	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	91	253602	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	53570	9.13	
$ 5 Toluene-d8 (Surr)	98	7.145	7.138	0.007	91	287519	9.71	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	85	82593	9.83	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	87	88889	11.5	
12 Chloromethane	50	1.609	1.609	0.0	88	108888	12.3	
13 Vinyl chloride	62	1.713	1.725	-0.012	82	99376	11.2	
14 Bromomethane	94	2.048	2.042	0.006	85	34785	8.87	
15 Chloroethane	64	2.158	2.152	0.006	90	47710	10.3	
17 Trichlorofluoromethane	101	2.377	2.383	-0.006	86	92156	11.6	
19 Acrolein	56	2.810	2.810	0.0	99	237952	194.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.871	2.889	-0.018	51	53537	10.3	
20 1,1-Dichloroethene	96	2.889	2.901	-0.012	84	73969	9.06	
22 Acetone	43	2.975	2.975	0.0	97	145996	46.5	
23 Iodomethane	142	3.066	3.060	0.006	94	53337	9.72	
24 Carbon disulfide	76	3.090	3.090	0.0	98	192284	9.83	
27 Acetonitrile	40	3.267	3.267	0.0	99	565613	586.5	
28 Methyl acetate	43	3.279	3.273	0.006	97	140354	9.01	
29 Methylene Chloride	84	3.420	3.420	0.0	89	110401	9.28	
31 Methyl tert-butyl ether	73	3.603	3.603	0.001	90	303247	10.2	
32 trans-1,2-Dichloroethene	96	3.609	3.609	0.0	40	85860	11.0	
33 Acrylonitrile	53	3.639	3.639	0.0	100	220766	44.8	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	84	139426	11.4	
38 Vinyl acetate	43	4.078	4.072	0.006	97	1117787	49.5	
42 2,2-Dichloropropane	77	4.541	4.547	-0.006	91	54407	10.4	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	72	81736	10.9	
44 2-Butanone (MEK)	43	4.608	4.602	0.006	100	385049	47.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.810	4.803	0.007	91	37853	9.94	
49 Tetrahydrofuran	42	4.846	4.840	0.006	90	260025	45.9	
50 Chloroform	85	4.883	4.883	0.0	82	88659	10.9	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	90	79808	12.0	
52 Cyclohexane	56	5.035	5.029	0.006	90	152570	9.17	
53 Carbon tetrachloride	117	5.151	5.157	-0.006	73	75642	12.0	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	91	110073	11.3	
56 Benzene	78	5.364	5.364	0.0	97	341665	11.3	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	124917	10.4	
61 Trichloroethene	95	5.974	5.968	0.006	93	78467	11.1	
62 Methylcyclohexane	83	6.108	6.114	-0.006	94	100695	9.65	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	91	86433	11.1	
65 Dibromomethane	93	6.340	6.334	0.006	88	52261	10.6	
67 Dichlorobromomethane	83	6.486	6.486	0.0	91	100891	11.0	
70 2-Chloroethyl vinyl ether	63	6.767	6.767	0.0	92	394119	50.9	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	82	139383	11.1	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	98	899712	52.0	
74 Toluene	92	7.205	7.205	0.0	98	217391	11.6	
76 trans-1,3-Dichloropropene	75	7.468	7.468	0.0	93	139135	11.3	
78 Ethyl methacrylate	69	7.522	7.522	0.0	92	157313	10.6	
79 1,1,2-Trichloroethane	83	7.657	7.657	0.0	88	67509	10.4	
80 Tetrachloroethene	166	7.748	7.748	0.0	89	76498	11.2	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	94	158741	10.9	
82 2-Hexanone	43	7.888	7.888	0.0	98	683744	49.3	
83 Chlorodibromomethane	129	8.059	8.059	0.0	86	68972	10.9	
84 Ethylene Dibromide	107	8.169	8.169	0.0	97	86995	10.6	
86 Chlorobenzene	112	8.656	8.656	0.0	84	229803	11.1	
89 Ethylbenzene	91	8.748	8.748	0.0	99	398448	11.4	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	85	71616	10.8	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	322248	23.0	
91 o-Xylene	106	9.297	9.297	0.0	97	157107	11.5	
92 Styrene	104	9.321	9.327	-0.006	95	278027	11.4	
93 Bromoform	173	9.565	9.559	0.006	94	46929	11.1	
95 Isopropylbenzene	105	9.681	9.681	0.0	96	412605	11.5	
97 Bromobenzene	156	10.016	10.016	0.0	94	88947	10.7	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.046	0.006	86	141429	10.2	
99 1,2,3-Trichloropropane	110	10.089	10.083	0.006	72	46988	9.81	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	64	185685	55.1	
101 N-Propylbenzene	91	10.095	10.101	-0.006	95	488425	11.4	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	87985	11.1	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	91	351338	11.3	
105 4-Chlorotoluene	126	10.309	10.309	0.0	97	91566	11.2	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	71915	11.1	
107 1,2,4-Trimethylbenzene	105	10.638	10.644	-0.006	97	357779	11.3	
109 sec-Butylbenzene	105	10.796	10.796	0.0	95	427968	11.5	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	95	186955	11.1	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	349094	11.6	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	81	193446	11.1	
115 n-Butylbenzene	91	11.321	11.321	0.001	97	330453	11.6	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	94	185832	10.6	
117 1,2-Dibromo-3-Chloropropane	75	12.083	12.083	0.0	75	35858	9.84	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	93	123998	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.887	12.887	0.0	94	45342	10.9	
121 Naphthalene	128	12.979	12.979	0.0	97	482953	10.4	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	93	114357	10.1	
S 123 Total BTEX	1				0		68.7	
S 124 Xylenes, Total	1				0		34.5	
S 125 1,2-Dichloroethene, Total	1				0		21.9	
S 126 1,3-Dichloropropene, Total	1				0		22.3	

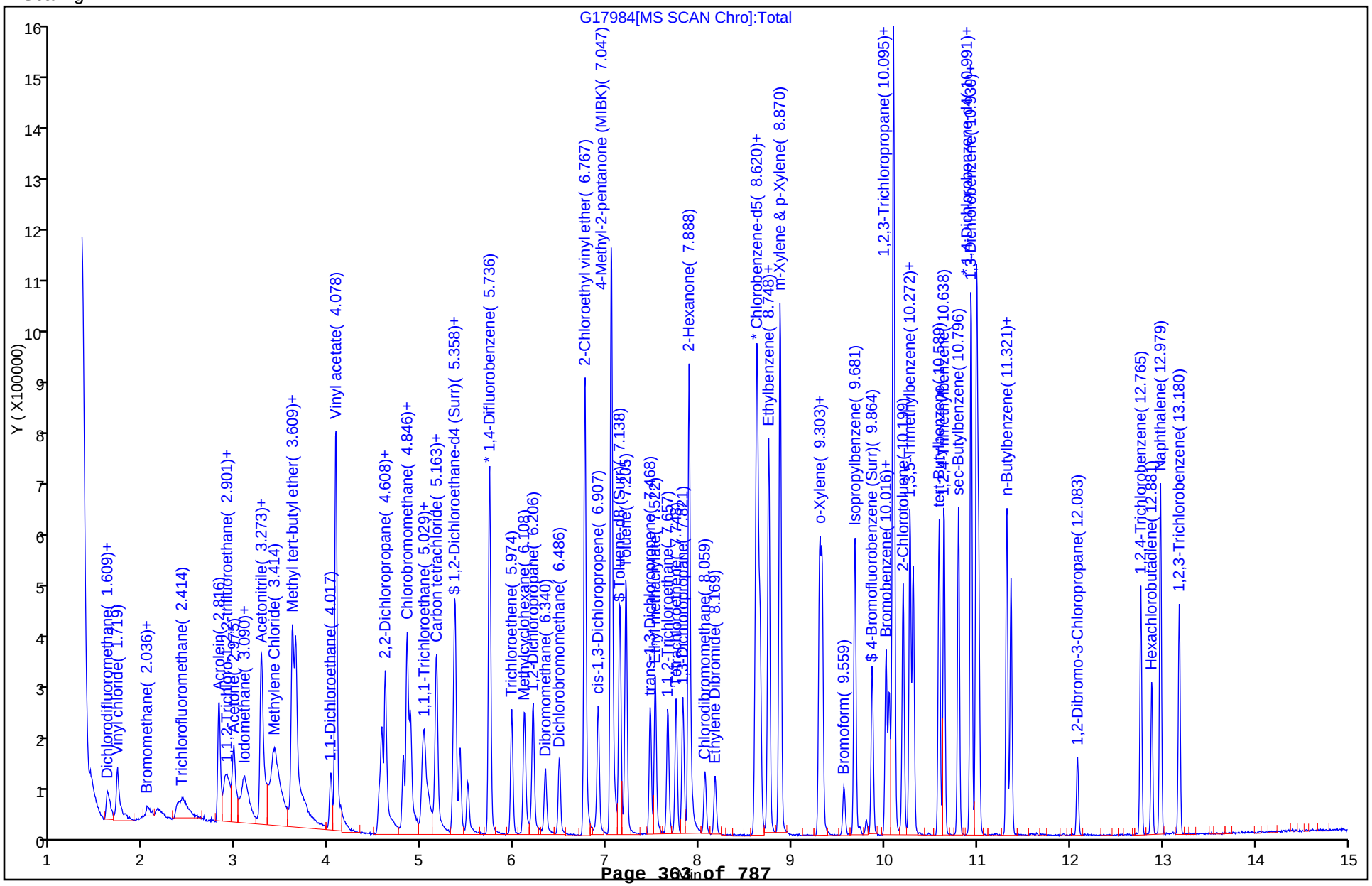
Report Date: 13-Dec-2012 09:25:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17984.D

Injection Date:	12-Dec-2012 18:15:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	5
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17985.D
Lims ID: ICIS 4 Client ID:
Inject. Date: 12-Dec-2012 18:38:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: ICIS 4
Misc. Info.: 480-0017481-006 =480-0017481-006
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 90
Lims Batch ID: 95471 Lims Sample ID: 6
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:17 Calib Date: 12-Dec-2012 18:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17985.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 08:43:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	534573	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	296727	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	76	251428	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	142768	25.0	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	91	819681	27.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	82	234051	27.1	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	87	182037	24.4	
12 Chloromethane	50	1.609	1.609	0.0	89	239569	27.1	
13 Vinyl chloride	62	1.725	1.725	0.0	81	222098	25.5	
14 Bromomethane	94	2.042	2.042	0.0	89	83396	22.5	
15 Chloroethane	64	2.152	2.152	0.0	92	107805	24.1	
17 Trichlorofluoromethane	101	2.383	2.383	0.0	81	206436	26.2	
19 Acrolein	56	2.810	2.810	0.0	96	598067	500.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.889	2.889	0.0	43	138042	26.6	
20 1,1-Dichloroethene	96	2.901	2.901	0.0	91	160392	21.2	
22 Acetone	43	2.975	2.975	0.0	98	366055	121.0	
23 Iodomethane	142	3.060	3.060	0.0	97	139767	25.8	
24 Carbon disulfide	76	3.090	3.090	0.0	99	511697	26.4	
27 Acetonitrile	40	3.267	3.267	0.0	99	1474121	1373.1	
28 Methyl acetate	43	3.273	3.273	0.0	97	356413	23.8	
29 Methylene Chloride	84	3.420	3.420	0.0	86	247317	22.1	
31 Methyl tert-butyl ether	73	3.603	3.603	0.0	91	754172	25.7	
32 trans-1,2-Dichloroethene	96	3.609	3.609	0.0	89	197473	25.7	
33 Acrylonitrile	53	3.639	3.639	0.0	99	744464	146.3	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	85	319445	26.3	
38 Vinyl acetate	43	4.072	4.072	0.0	97	2909002	130.4	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	88	121894	24.2	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	70	191607	26.0	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	974810	124.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	89	90618	24.6	
49 Tetrahydrofuran	42	4.840	4.840	0.0	90	744713	132.3	
50 Chloroform	85	4.883	4.883	0.0	82	204198	25.5	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	93	183451	27.4	
52 Cyclohexane	56	5.029	5.029	0.0	90	383473	24.0	
53 Carbon tetrachloride	117	5.157	5.157	0.0	73	177186	27.8	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	93	247202	25.8	
56 Benzene	78	5.364	5.364	0.0	98	767749	25.8	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	299707	25.4	
61 Trichloroethene	95	5.968	5.968	0.0	92	178720	25.7	
62 Methylcyclohexane	83	6.114	6.114	0.0	93	302032	28.4	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	89	199578	25.9	
65 Dibromomethane	93	6.334	6.334	0.0	92	123562	25.5	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	235408	25.9	
70 2-Chloroethyl vinyl ether	63	6.767	6.767	0.0	92	986449	129.2	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	84	335514	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	98	2193449	126.4	
74 Toluene	92	7.205	7.205	0.0	98	490013	25.8	
76 trans-1,3-Dichloropropene	75	7.468	7.468	0.0	93	336617	26.7	
78 Ethyl methacrylate	69	7.522	7.522	0.0	91	392483	26.1	
79 1,1,2-Trichloroethane	83	7.657	7.657	0.0	89	159810	24.7	
80 Tetrachloroethene	166	7.748	7.748	0.0	90	173397	25.3	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	95	368867	25.3	
82 2-Hexanone	43	7.888	7.888	0.0	98	1759996	126.6	
83 Chlorodibromomethane	129	8.059	8.059	0.0	89	170596	26.4	
84 Ethylene Dibromide	107	8.169	8.169	0.0	98	213539	25.7	
86 Chlorobenzene	112	8.656	8.656	0.0	90	531581	25.6	
89 Ethylbenzene	91	8.748	8.748	0.0	99	922266	26.0	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	39	170797	25.5	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	743300	52.2	
91 o-Xylene	106	9.297	9.297	0.0	98	364389	26.3	
92 Styrene	104	9.327	9.327	0.0	95	659827	26.5	
93 Bromoform	173	9.559	9.559	0.0	94	123203	28.0	
95 Isopropylbenzene	105	9.681	9.681	0.0	96	932347	25.9	
97 Bromobenzene	156	10.016	10.016	0.0	96	215617	25.9	
98 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.0	87	336454	24.7	
99 1,2,3-Trichloropropane	110	10.083	10.083	0.0	71	113850	24.2	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	70	512704	145.2	
101 N-Propylbenzene	91	10.101	10.101	0.0	94	1110045	25.8	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	205747	25.8	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	91	809596	25.9	
105 4-Chlorotoluene	126	10.309	10.309	0.0	98	216269	26.2	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	163135	25.2	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	824079	25.9	
109 sec-Butylbenzene	105	10.796	10.796	0.0	95	966615	25.9	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	431374	25.6	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	782765	25.9	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	92	454189	26.0	
115 n-Butylbenzene	91	11.321	11.321	0.0	98	732106	25.7	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	94	427835	24.7	
117 1,2-Dibromo-3-Chloropropane	75	12.083	12.083	0.0	74	88826	24.7	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	92	247029	22.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.887	12.887	0.0	95	83706	21.3	
121 Naphthalene	128	12.979	12.979	0.0	98	1008894	22.6	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	93	219798	20.6	
S 123 Total BTEX	1				0		156.1	
S 124 Xylenes, Total	1				0		78.6	
S 125 1,2-Dichloroethene, Total	1				0		51.7	
S 126 1,3-Dichloropropene, Total	1				0		53.4	

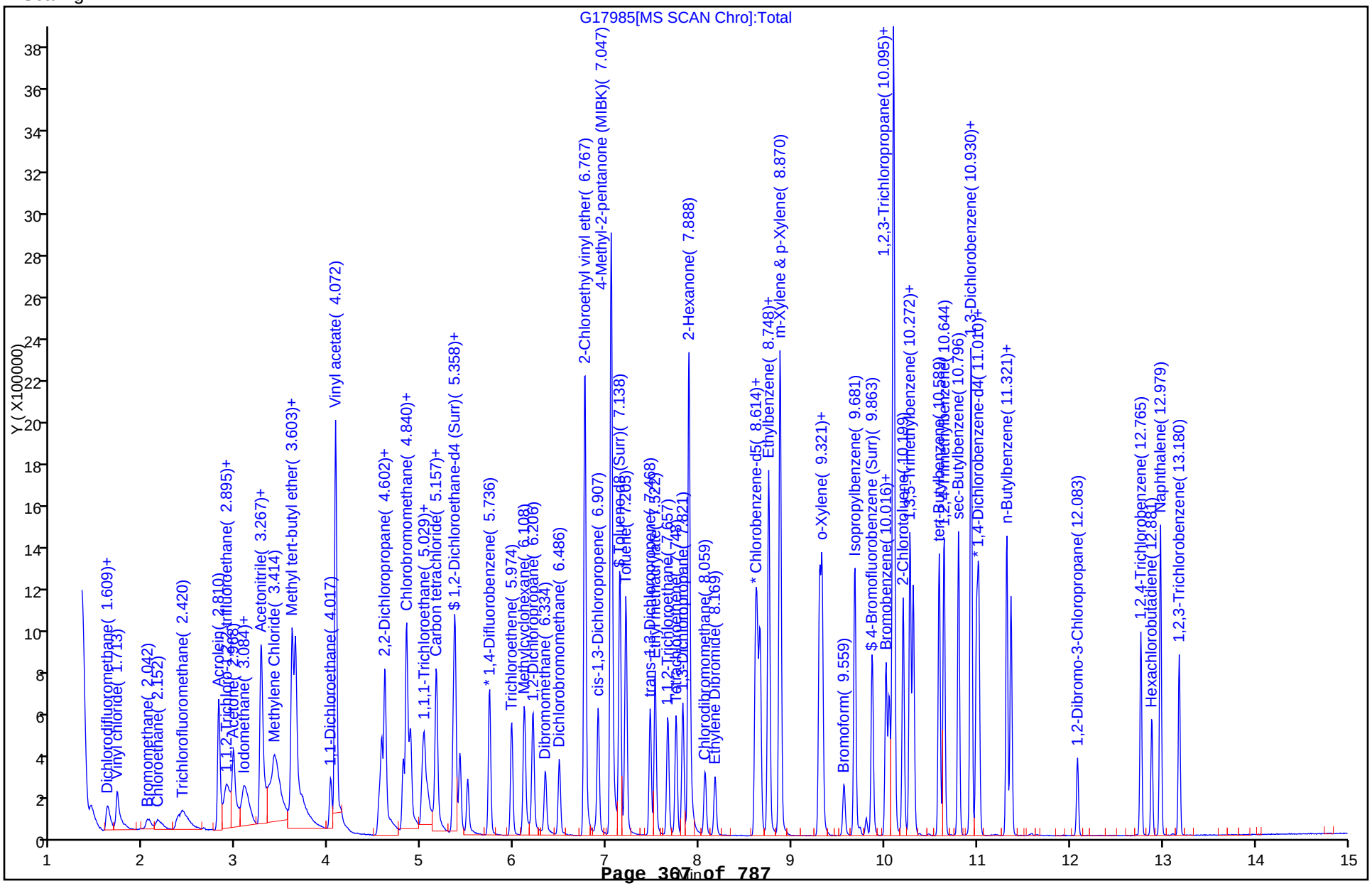
Report Date: 13-Dec-2012 09:25:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17985.D

Injection Date:	12-Dec-2012 18:38:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	6
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17986.D
Lims ID: IC 5 Client ID:
Inject. Date: 12-Dec-2012 19:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: IC 5
Misc. Info.: 480-0017481-007 =480-0017481-007
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 91
Lims Batch ID: 95471 Lims Sample ID: 7
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:19 Calib Date: 12-Dec-2012 19:01:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17986.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 08:48:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	534907	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	289032	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	220565	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	272282	48.0	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	1508480	50.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	82	416701	49.6	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	87	433907	56.2	
12 Chloromethane	50	1.609	1.609	0.0	89	555244	52.2	
13 Vinyl chloride	62	1.713	1.725	-0.013	82	525395	57.9	
14 Bromomethane	94	2.048	2.042	0.006	92	180803	49.0	
15 Chloroethane	64	2.151	2.152	-0.001	95	249849	54.5	
17 Trichlorofluoromethane	101	2.377	2.383	-0.006	85	500041	53.1	
19 Acrolein	56	2.810	2.810	0.0	96	1315135	1078.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.877	2.889	-0.012	46	322304	52.8	
20 1,1-Dichloroethene	96	2.883	2.901	-0.018	81	363982	48.4	
22 Acetone	43	2.968	2.975	-0.007	98	788850	258.4	
23 Iodomethane	142	3.066	3.060	0.006	97	342022	60.0	
24 Carbon disulfide	76	3.084	3.090	-0.006	100	1169004	57.8	
27 Acetonitrile	40	3.267	3.267	0.0	99	2900394	1985.7	
28 Methyl acetate	43	3.273	3.273	0.0	96	707492	47.8	
29 Methylene Chloride	84	3.407	3.420	-0.013	89	527446	47.7	
31 Methyl tert-butyl ether	73	3.602	3.603	0.0	96	1542772	52.1	
32 trans-1,2-Dichloroethene	96	3.608	3.609	-0.001	92	444530	56.1	
33 Acrylonitrile	53	3.639	3.639	0.0	98	1195761	237.8	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	85	693193	55.5	
38 Vinyl acetate	43	4.072	4.072	0.0	97	5627922	251.6	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	89	270017	52.8	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	72	411830	54.5	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	1972086	251.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	90	182902	49.6	
49 Tetrahydrofuran	42	4.834	4.840	-0.006	90	1357145	242.7	
50 Chloroform	85	4.883	4.883	0.0	82	434005	53.3	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	91	412810	51.8	
52 Cyclohexane	56	5.029	5.029	0.0	92	903494	55.0	
53 Carbon tetrachloride	117	5.157	5.157	0.0	72	429438	53.4	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	92	565818	56.9	
56 Benzene	78	5.364	5.364	0.0	97	1630756	53.7	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	610804	51.4	
61 Trichloroethene	95	5.974	5.968	0.006	93	388383	54.5	
62 Methylcyclohexane	83	6.108	6.114	-0.006	94	778160	66.9	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	91	420855	53.6	
65 Dibromomethane	93	6.334	6.334	0.0	86	252330	51.7	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	503060	54.2	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	92	1958776	255.1	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	86	695620	54.1	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	97	4147807	246.3	
74 Toluene	92	7.205	7.205	0.0	98	1033265	54.5	
76 trans-1,3-Dichloropropene	75	7.467	7.468	-0.001	93	695247	55.2	
78 Ethyl methacrylate	69	7.522	7.522	0.0	91	809848	54.1	
79 1,1,2-Trichloroethane	83	7.656	7.657	-0.001	88	317894	50.3	
80 Tetrachloroethene	166	7.748	7.748	0.0	90	386771	56.2	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	95	738192	51.5	
82 2-Hexanone	43	7.888	7.888	0.0	97	3373575	249.3	
83 Chlorodibromomethane	129	8.065	8.059	0.006	89	368196	56.6	
84 Ethylene Dibromide	107	8.169	8.169	0.0	98	430195	52.5	
86 Chlorobenzene	112	8.656	8.656	0.0	85	1097715	53.3	
89 Ethylbenzene	91	8.748	8.748	0.0	99	1919217	54.3	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	84	351596	53.1	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	1539185	108.7	
91 o-Xylene	106	9.296	9.297	-0.001	98	743907	54.0	
92 Styrene	104	9.327	9.327	0.0	95	1332920	53.8	
93 Bromoform	173	9.565	9.559	0.006	96	252665	57.0	
95 Isopropylbenzene	105	9.680	9.681	-0.001	96	1878971	57.4	
97 Bromobenzene	156	10.016	10.016	0.0	96	421305	56.0	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.046	0.006	88	630267	52.1	
99 1,2,3-Trichloropropane	110	10.089	10.083	0.006	75	207713	50.3	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.095	0.006	71	1060530	256.0	
101 N-Propylbenzene	91	10.101	10.101	0.0	94	2183823	56.2	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	402940	55.9	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	83	1520836	54.2	
105 4-Chlorotoluene	126	10.308	10.309	-0.001	97	423645	56.6	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	304901	52.9	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	97	1523997	53.6	
109 sec-Butylbenzene	105	10.796	10.796	0.0	95	1765081	53.1	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	94	778740	52.1	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	1393924	52.0	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	92	821782	52.9	
115 n-Butylbenzene	91	11.320	11.321	0.0	98	1294359	51.3	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	93	731394	48.4	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	76	137972	44.8	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	93	337676	36.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.887	12.887	0.0	96	110597	34.5	
121 Naphthalene	128	12.979	12.979	0.0	98	1459670	39.2	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	94	306629	35.3	
S 123 Total BTEX	1				0		325.3	
S 124 Xylenes, Total	1				0		162.7	
S 125 1,2-Dichloroethene, Total	1				0		110.6	
S 126 1,3-Dichloropropene, Total	1				0		109.3	

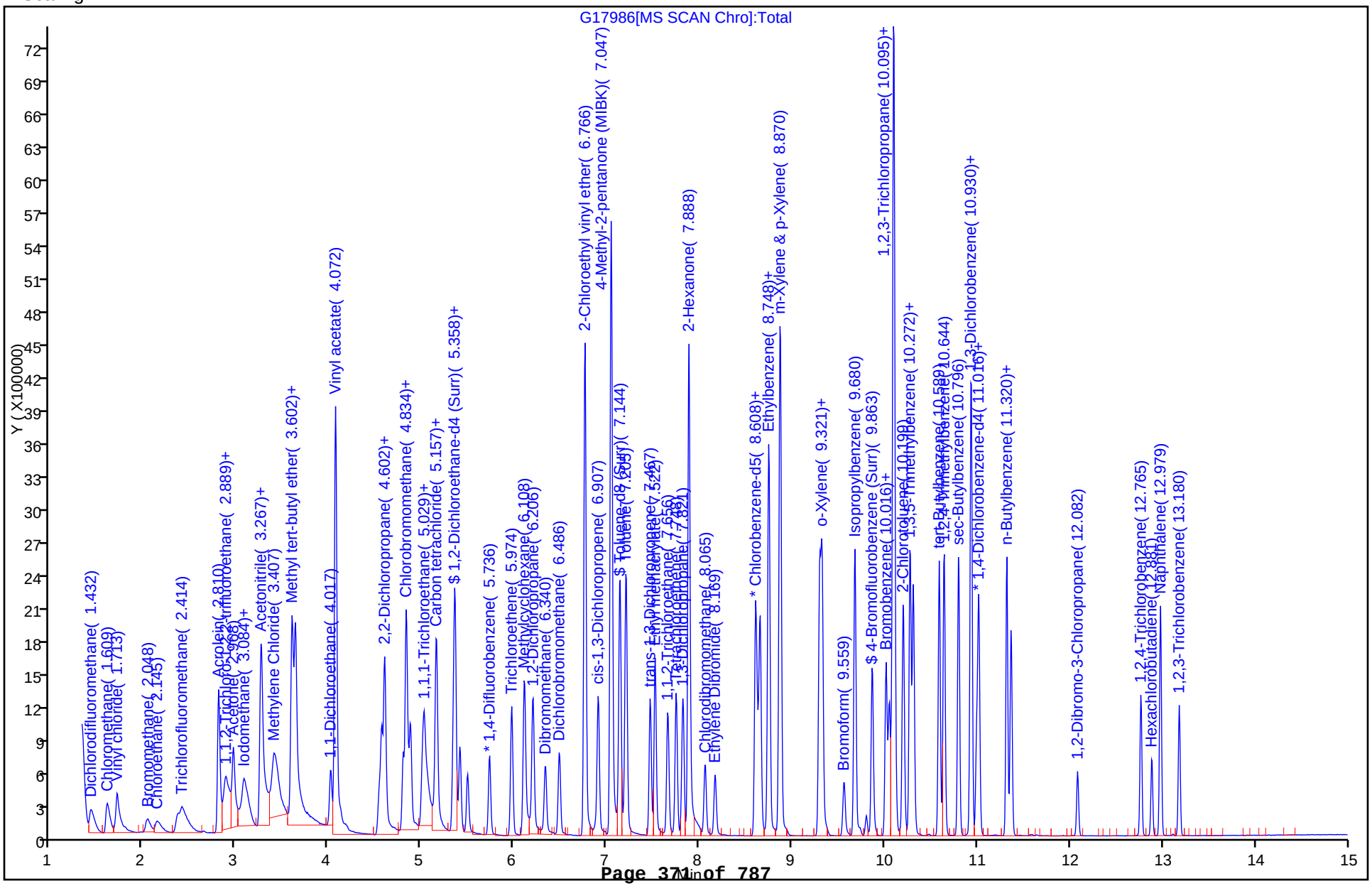
Report Date: 13-Dec-2012 09:25:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17986.D

Injection Date:	12-Dec-2012 19:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	7
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17987.D
Lims ID: IC 6 Client ID:
Inject. Date: 12-Dec-2012 19:23:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: IC 6
Misc. Info.: 480-0017481-008 =480-0017481-008
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 92
Lims Batch ID: 95471 Lims Sample ID: 8
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m
Last Update: 13-Dec-2012 09:25:22 Calib Date: 12-Dec-2012 19:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17987.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK037

First Level Reviewer: fergusont Date: 13-Dec-2012 08:49:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	555597	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	281339	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.991	0.006	65	222260	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	508425	88.4	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	93	2740554	95.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	82	760668	94.1	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	89	842097	104.2	
12 Chloromethane	50	1.621	1.609	0.012	89	1103626	99.7	
13 Vinyl chloride	62	1.713	1.725	-0.012	83	1037146	108.2	
14 Bromomethane	94	2.048	2.042	0.006	92	375656	98.4	
15 Chloroethane	64	2.151	2.152	-0.001	95	497179	103.7	
17 Trichlorofluoromethane	101	2.371	2.383	-0.012	84	1011860	114.0	
19 Acrolein	56	2.810	2.810	0.0	96	2851653	2205.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.889	2.889	0.0	84	703708	104.4	
20 1,1-Dichloroethene	96	2.889	2.901	-0.012	86	749376	96.6	
22 Acetone	43	2.968	2.975	-0.007	98	1823320	560.9	
23 Iodomethane	142	3.072	3.060	0.012	97	734487	119.3	
24 Carbon disulfide	76	3.090	3.090	0.0	100	2581318	118.4	
27 Acetonitrile	40	3.267	3.267	0.0	99	5389507	3898.0	
28 Methyl acetate	43	3.273	3.273	0.0	98	1486225	97.2	
29 Methylene Chloride	84	3.420	3.420	0.0	89	1054439	93.1	
31 Methyl tert-butyl ether	73	3.602	3.603	0.0	97	3049415	99.2	
32 trans-1,2-Dichloroethene	96	3.615	3.609	0.006	92	875899	105.2	
33 Acrylonitrile	53	3.639	3.639	0.0	98	2346832	457.0	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	1383336	105.5	
38 Vinyl acetate	43	4.072	4.072	0.0	98	9838155	434.6	
42 2,2-Dichloropropane	77	4.547	4.547	0.0	89	501892	95.4	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	71	808326	102.5	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	3913331	483.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	90	367982	96.8	
49 Tetrahydrofuran	42	4.834	4.840	-0.006	89	2742364	476.6	
50 Chloroform	85	4.883	4.883	0.0	82	856583	101.1	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	93	826554	99.8	
52 Cyclohexane	56	5.035	5.029	0.006	92	1819905	105.5	
53 Carbon tetrachloride	117	5.157	5.157	0.0	75	864713	101.3	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	93	1093305	104.8	
56 Benzene	78	5.364	5.364	0.0	98	3189989	101.0	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	90	1194646	97.4	
61 Trichloroethene	95	5.974	5.968	0.006	92	756213	101.9	
62 Methylcyclohexane	83	6.114	6.114	0.0	94	1555663	102.6	
63 1,2-Dichloropropane	63	6.206	6.206	0.0	91	834559	101.9	
65 Dibromomethane	93	6.334	6.334	0.0	89	482907	96.0	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	1002298	103.3	
70 2-Chloroethyl vinyl ether	63	6.766	6.767	-0.001	92	3652127	464.4	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	85	1383753	103.1	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	95	7259411	451.4	
74 Toluene	92	7.211	7.205	0.006	98	1969547	105.6	
76 trans-1,3-Dichloropropene	75	7.468	7.468	0.0	94	1361953	109.0	
78 Ethyl methacrylate	69	7.522	7.522	0.0	92	1573133	106.6	
79 1,1,2-Trichloroethane	83	7.657	7.657	-0.001	88	617319	100.3	
80 Tetrachloroethene	166	7.748	7.748	0.0	90	744388	109.1	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	95	1432859	102.3	
82 2-Hexanone	43	7.888	7.888	0.0	96	6302071	481.9	
83 Chlorodibromomethane	129	8.065	8.059	0.006	89	712861	110.3	
84 Ethylene Dibromide	107	8.169	8.169	0.0	98	823398	102.7	
86 Chlorobenzene	112	8.656	8.656	0.0	84	2141203	105.6	
89 Ethylbenzene	91	8.748	8.748	0.0	99	3558661	102.9	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	88	670993	103.4	
90 m-Xylene & p-Xylene	106	8.876	8.870	0.006	97	2843169	205.2	
91 o-Xylene	106	9.296	9.297	-0.001	98	1401678	103.8	
92 Styrene	104	9.327	9.327	0.0	95	2505279	103.2	
93 Bromoform	173	9.565	9.559	0.006	96	544352	120.8	
95 Isopropylbenzene	105	9.680	9.681	-0.001	97	3451179	103.8	
97 Bromobenzene	156	10.016	10.016	0.0	97	807790	105.5	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.046	0.006	88	1269018	103.4	
99 1,2,3-Trichloropropane	110	10.089	10.083	0.006	74	408814	98.5	
100 trans-1,4-Dichloro-2-butene	53	10.101	10.095	0.006	74	2038605	503.9	
101 N-Propylbenzene	91	10.101	10.101	0.0	96	3908565	99.8	
102 2-Chlorotoluene	126	10.199	10.199	0.0	94	756841	103.5	
104 1,3,5-Trimethylbenzene	105	10.278	10.272	0.006	84	2853048	100.8	
105 4-Chlorotoluene	126	10.308	10.309	-0.001	97	789655	103.9	
106 tert-Butylbenzene	134	10.589	10.589	0.0	88	575672	99.3	
107 1,2,4-Trimethylbenzene	105	10.644	10.644	0.0	98	2880239	100.4	
109 sec-Butylbenzene	105	10.796	10.796	0.0	95	3317618	99.2	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	95	1506205	100.0	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	2689679	99.7	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	92	1602631	101.9	
115 n-Butylbenzene	91	11.320	11.321	0.0	97	2674218	104.4	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	93	1477598	97.6	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	-0.001	76	308803	99.7	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	92	965131	103.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.887	12.887	0.0	96	349393	100.5	
121 Naphthalene	128	12.979	12.979	0.0	98	3445110	93.1	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	92	882110	100.4	
S 123 Total BTEX	1				0		618.5	
S 124 Xylenes, Total	1				0		309.0	
S 125 1,2-Dichloroethene, Total	1				0		207.7	
S 126 1,3-Dichloropropene, Total	1				0		212.1	

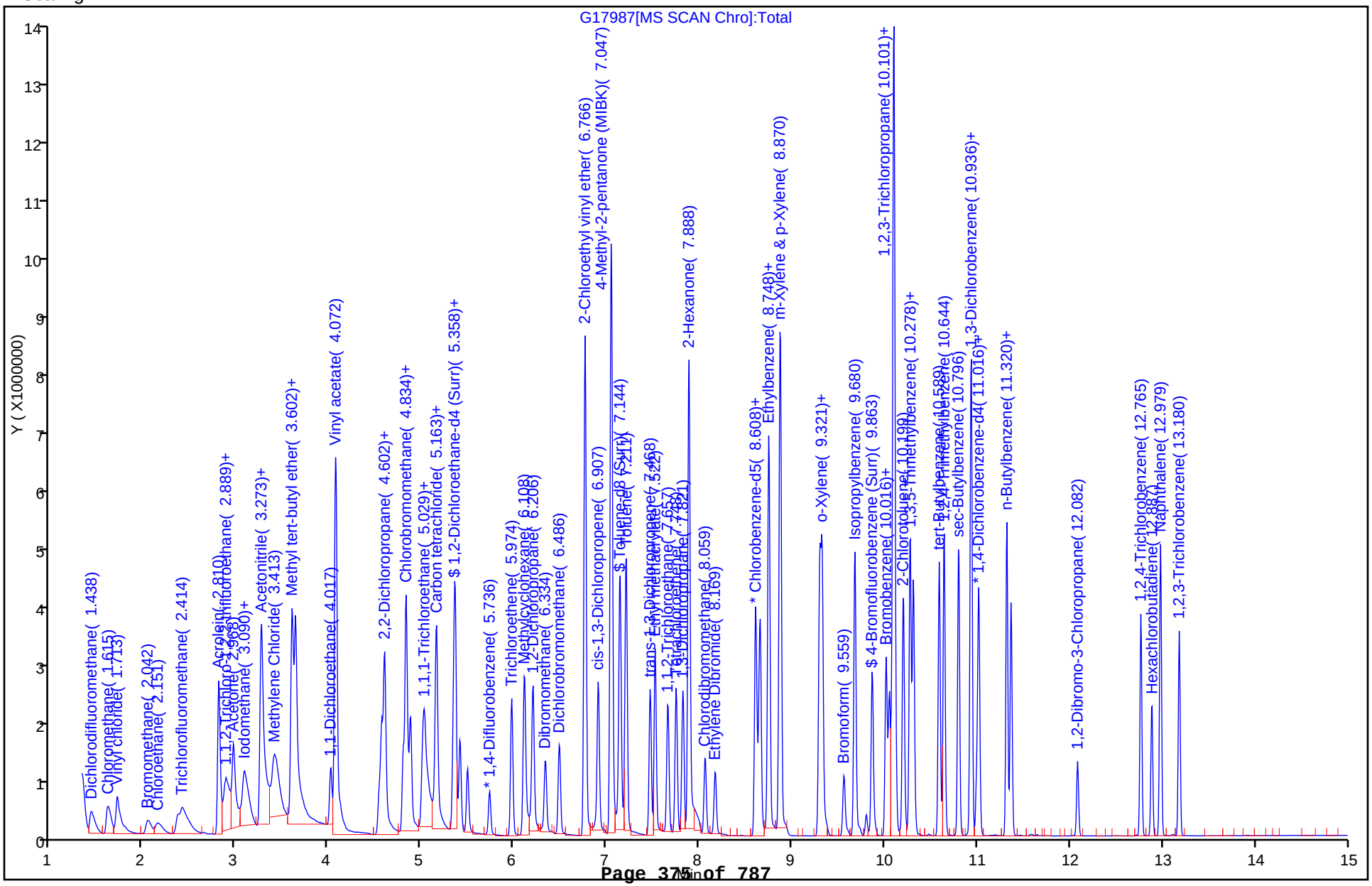
Report Date: 13-Dec-2012 09:25:22 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17987.D

Injection Date:	12-Dec-2012 19:23:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	8
Operator ID:	TF	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.: 480-30773-1 Analy Batch No.: 95589

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 15:41 Calibration End Date: 12/13/2012 17:35 Calibration ID: 11609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95589/14	G17995.D
Level 2	IC 480-95589/15	G17996.D
Level 3	IC 480-95589/16	G17997.D
Level 4	IC 480-95589/17	G17998.D
Level 5	IC 480-95589/18	G17999.D
Level 6	IC 480-95589/19	G18000.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								
Chlorodifluoromethane	0.3892 0.5555	0.4549	0.5193	0.4626	0.5506	Ave		0.4887				13.0		15.0			
Dichlorofluoromethane	0.4481 0.5604	0.4771	0.5534	0.5333	0.5867	Ave		0.5265				10.0		15.0			
Ethyl ether	0.2427 0.2606	0.2695	0.2847	0.2687	0.2761	Ave		0.2670				5.4		15.0			
Isopropyl alcohol	0.0437 0.0396	0.0534	0.0445	0.0449	0.0375	Ave		0.0439				12.0		15.0			
Allyl chloride	0.3569 0.3804	0.2772	0.3621	0.3344	0.3929	Ave		0.3507				12.0		15.0			
t-Butyl alcohol	0.0952 0.0832	0.1071	0.1005	0.0957	0.0785	Ave		0.0934				11.0		15.0			
Hexane	0.2973 0.4955	0.5312	0.5205	0.4618	0.4473	Lin1	-0.105	0.4830							0.9960		0.9900
Isopropyl ether	1.1365 1.2701	1.1937	1.3450	1.2317	1.2784	Ave		1.2426				5.8		15.0			
Chloroprene	0.3933 0.5475	0.4752	0.5256	0.4767	0.5506	Ave		0.4948				12.0		15.0			
1,1-Dimethoxyethane	0.1322 0.1345	0.1449	0.1343	0.1398	0.1339	Ave		0.1366				3.5		15.0			
Tert-butyl ethyl ether	1.0124 1.2038	1.2081	1.2270	1.2032	1.1629	Ave		1.1696				6.8		15.0			
Ethyl acetate	0.6544 0.6587	0.6200	0.6521	0.6606	0.6410	Ave		0.6478				2.4		15.0			
Propionitrile	0.0960 0.0814	0.0981	0.0959	0.0922	0.0791	Ave		0.0904				9.0		15.0			
Methacrylonitrile	0.3364 0.3704	0.3568	0.3771	0.3780	0.3685	Ave		0.3645				4.3		15.0			
Isobutyl alcohol	0.0410 0.0345	0.0470	0.0446	0.0453	0.0387	Ave		0.0418				11.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95589

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 15:41 Calibration End Date: 12/13/2012 17:35 Calibration ID: 11609

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								
Tert-amyl methyl ether	0.8341 1.1239	1.1446	1.1493	1.1241	1.0932	Ave		1.0782				11.0		15.0			
n-Heptane	0.4158 0.6232	0.6158	0.6317	0.5807	0.5895	Ave		0.5761				14.0		15.0			
n-Butanol	0.0268 0.0338	0.0347	0.0353	0.0366	0.0342	Ave		0.0335				10.0		15.0			
Methyl methacrylate	0.4860 0.5376	0.5021	0.5195	0.5263	0.5428	Ave		0.5190				4.2		15.0			
1,4-Dioxane	0.0163 0.0145	0.0110	0.0155	0.0161	0.0145	Ave		0.0146				13.0		15.0			
2-Nitropropane	0.3602 0.5041	0.3971	0.4058	0.4877	0.4933	Ave		0.4414				14.0		15.0			
Epichlorohydrin	0.0674 0.0747	0.0782	0.0787	0.0855	0.0773	Ave		0.0770				7.7		15.0			
2-Methylthiophene	3.4585 2.6521	2.5577	2.6238	2.5924	2.7259	Ave		2.7684				12.0		15.0			
3-Methylthiophene	3.7290 2.5968	2.5405	2.4494	2.6644	2.6874	Lin1	0.7710	2.6018							0.9990		0.9900
3-Chlorobenzotrifluoride	0.5784 1.0192	0.9036	0.9623	0.9147	0.9045	Lin1	-0.440	0.9810							0.9970		0.9900
p-Monochlorobenzotrifluoride	0.5962 0.9977	0.8754	0.9510	0.8942	0.8786	Lin1	-0.405	0.9579							0.9970		0.9900
2-Chlorobenzotrifluoride	0.6058 1.0054	0.9039	0.9631	0.9465	0.9285	Lin1	-0.398	0.9831							0.9990		0.9900
Cyclohexanone	0.0662 0.0597	0.0557	0.0505	0.0557	0.0539	Ave		0.0570				9.5		15.0			
3-Chlorotoluene	0.5632 0.8747	0.7808	0.8335	0.8411	0.8054	Ave		0.7831				14.0		15.0			
Pentachloroethane	0.3283 0.4119	0.3352	0.3799	0.3712	0.4058	Ave		0.3721				9.4		15.0			
Dicyclopentadiene	3.0024 3.5740	3.8349	3.8810	3.7704	3.5698	Ave		3.6054				9.0		15.0			
1,2,3-Trimethylbenzene	2.4006 3.1483	3.2379	3.3738	3.3348	3.1711	Ave		3.1111				12.0		15.0			
1,3,5-Trichlorobenzene	0.7642 0.9127	1.0827	1.1448	1.1209	1.0219	Ave		1.0079				14.0		15.0			
Propene oxide	0.0938 0.0843	0.1076	0.0975	0.0998	0.0899	Ave		0.0955				8.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95589

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 15:41 Calibration End Date: 12/13/2012 17:35 Calibration ID: 11609

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-95589/14	G17995.D
Level 2	IC 480-95589/15	G17996.D
Level 3	IC 480-95589/16	G17997.D
Level 4	IC 480-95589/17	G17998.D
Level 5	IC 480-95589/18	G17999.D
Level 6	IC 480-95589/19	G18000.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
Chlorodifluoromethane	DFB	Ave	9475 1332098	54794	125106	276459	678548	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	DFB	Ave	10908 1343836	57478	133331	318686	722965	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	DFB	Ave	5908 624893	32459	68578	160580	340256	1.00 100	5.00	10.0	25.0	50.0
Isopropyl alcohol	DFB	Ave	21280 1899542	128559	214459	536242	923769	20.0 2000	100	200	500	1000
Allyl chloride	DFB	Ave	8689 912226	33394	87229	199845	484129	1.00 100	5.00	10.0	25.0	50.0
t-Butyl alcohol	DFB	Ave	46325 3988760	257987	484202	1143984	1934540	20.0 2000	100	200	500	1000
Hexane	DFB	Lin1	7238 1188167	63988	125407	275991	551199	1.00 100	5.00	10.0	25.0	50.0
Isopropyl ether	DFB	Ave	27667 3045501	143798	324049	736095	1575342	1.00 100	5.00	10.0	25.0	50.0
Chloroprene	DFB	Ave	9573 1312869	57246	126638	284898	678456	1.00 100	5.00	10.0	25.0	50.0
1,1-Dimethoxyethane	DFB	Ave	16089 1612180	87294	161835	417776	824903	5.00 500	25.0	50.0	125	250
Tert-butyl ethyl ether	DFB	Ave	24645 2886417	145533	295609	719056	1432987	1.00 100	5.00	10.0	25.0	50.0
Ethyl acetate	DFB	Ave	15930 1579355	74686	157102	394775	789859	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	23371 1951389	118129	230972	551195	974520	10.0 1000	50.0	100	250	500
Methacrylonitrile	DFB	Ave	8189 888041	42979	90846	225882	454113	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	DFB	Ave	39946 3313676	226329	429505	1082375	1906557	40.0 4000	200	400	1000	2000
Tert-amyl methyl ether	DFB	Ave	20305 2694840	137882	276900	671796	1347082	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 95589

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/13/2012 15:41 Calibration End Date: 12/13/2012 17:35 Calibration ID: 11609

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
n-Heptane	DFB	Ave	10122 1494398	74185	152195	347030	726414	1.00 100	5.00	10.0	25.0	50.0
n-Butanol	DFB	Ave	26074 3238030	167324	339768	874548	1685131	40.0 4000	200	400	1000	2000
Methyl methacrylate	DFB	Ave	11830 1288989	60480	125166	314523	668876	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	8629 743437	28827	80938	205365	379870	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	Ave	19355 2572281	107804	221540	644089	1330457	5.00 500	25.0	50.0	125	250
Epichlorohydrin	DFB	Ave	32800 3583327	188372	379435	1022404	1904244	20.0 2000	100	200	500	1000
2-Methylthiophene	DCB	Ave	37169 2706551	138878	286499	684687	1470465	1.00 100	5.00	10.0	25.0	50.0
3-Methylthiophene	DCB	Lin1	40077 2650072	137942	267448	703688	1449677	1.00 100	5.00	10.0	25.0	50.0
3-Chlorobenzotrifluoride	DCB	Lin1	6216 1040145	49063	105076	241587	487903	1.00 100	5.00	10.0	25.0	50.0
p-Monochlorobenzotrifluoride	DCB	Lin1	6408 1018150	47531	103845	236172	473952	1.00 100	5.00	10.0	25.0	50.0
2-Chlorobenzotrifluoride	DCB	Lin1	6511 1025997	49081	105159	249994	500848	1.00 100	5.00	10.0	25.0	50.0
Cyclohexanone	DCB	Ave	7116 609715	30235	55173	147235	290816	10.0 1000	50.0	100	250	500
3-Chlorotoluene	DCB	Ave	6053 892657	42393	91008	222146	434457	1.00 100	5.00	10.0	25.0	50.0
Pentachloroethane	DCB	Ave	3528 420399	18202	41478	98038	218927	1.00 100	5.00	10.0	25.0	50.0
Dicyclopentadiene	DCB	Ave	32268 3647405	208228	423768	995799	1925714	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	25800 3212954	175808	368393	880759	1710598	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	8213 931434	58788	125005	296056	551269	1.00 100	5.00	10.0	25.0	50.0
Propene oxide	DFB	Ave	11411 1010322	64810	117494	298294	554018	5.00 500	25.0	50.0	125	250

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17995.D
Lims ID: IC 7 Client ID:
Inject. Date: 13-Dec-2012 15:41:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC 7
Misc. Info.: 480-0017502-014 =480-0017502-014
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 95589 Lims Sample ID: 14
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m
Last Update: 13-Dec-2012 18:05:44 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK014

First Level Reviewer: larsonr Date: 13-Dec-2012 17:59:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	608575	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	331551	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	98	268682	25.0	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	59	9475	0.7972	M
16 Dichlorofluoromethane	67	2.365	2.365	0.0	47	10908	0.8511	
18 Ethyl ether	59	2.657	2.651	0.006	77	5908	0.9088	
68 Propene oxide	58	2.731	2.731	0.0	82	11411	4.91	
25 Isopropyl alcohol	45	3.163	3.157	0.006	91	21280	19.9	
26 3-Chloro-1-propene	41	3.243	3.237	0.006	46	8689	1.14	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	98	46325	20.4	
34 Hexane	57	3.828	3.822	0.006	79	7238	0.8337	
37 Isopropyl ether	45	4.060	4.054	0.006	92	27667	0.9147	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	79	9573	0.7947	
40 1,1-Dimethoxyethane	75	4.127	4.121	0.006	96	16089	4.84	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	96	24645	0.8656	
45 Ethyl acetate	43	4.651	4.645	0.006	94	15930	1.01	
46 Propionitrile	54	4.700	4.688	0.012	97	23371	10.6	
47 Methacrylonitrile	41	4.822	4.810	0.012	87	8189	0.9229	
55 Isobutyl alcohol	43	5.358	5.352	0.006	90	39946	39.2	
58 Tert-amyl methyl ether	73	5.456	5.450	0.006	88	20305	0.7736	
59 n-Heptane	43	5.553	5.559	-0.006	82	10122	0.7217	
60 n-Butanol	56	5.986	5.974	0.012	94	26074	31.9	
64 Methyl methacrylate	41	6.309	6.303	0.006	81	11830	0.9363	
66 1,4-Dioxane	88	6.370	6.352	0.018	64	8629	45.5	
69 2-Nitropropane	43	6.724	6.724	0.0	99	19355	4.08	
71 Epichlorohydrin	57	6.852	6.852	0.0	96	32800	17.5	
75 2-Methylthiophene	97	7.345	7.340	0.005	96	37169	1.25	
77 3-Methylthiophene	97	7.504	7.504	0.0	98	40077	1.14	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	47	6216	1.04	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.687	8.681	0.006	66	6408	1.04	
94 2-Chlorobenzotrifluoride	180	9.589	9.595	-0.006	77	6511	1.02	
96 Cyclohexanone	55	9.833	9.833	0.0	70	7116	11.6	
103 3-Chlorotoluene	126	10.266	10.260	0.006	94	6053	0.7192	
108 Pentachloroethane	167	10.638	10.644	-0.006	65	3528	0.8823	
112 Dicyclopentadiene	66	11.003	11.003	0.0	47	32268	0.8328	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	81	25800	0.7716	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	77	8213	0.7582	

QC Flag Legend

Review Flags
M - Manually Integrated

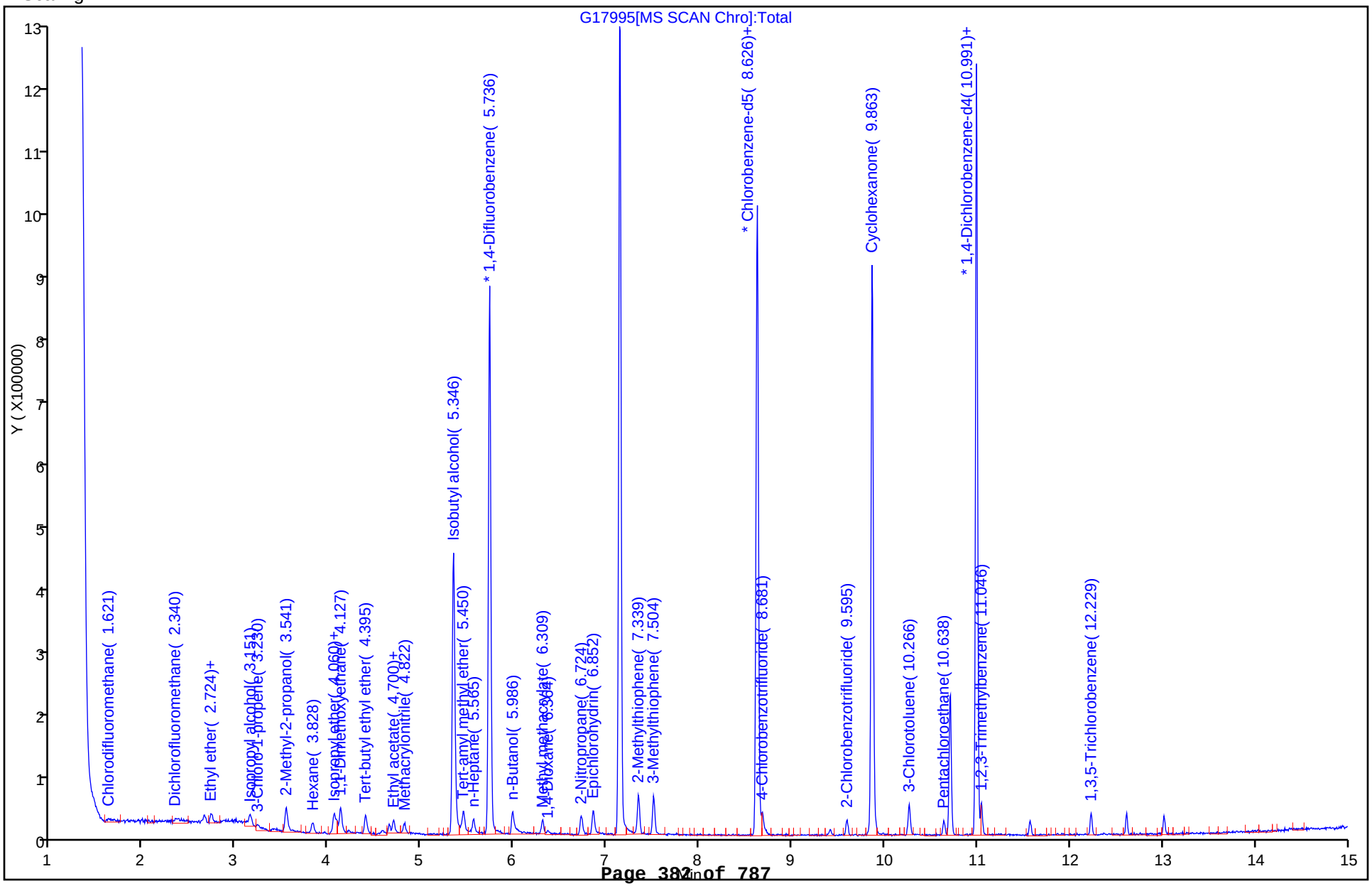
Report Date: 13-Dec-2012 18:05:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17995.D

Injection Date:	13-Dec-2012 15:41:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

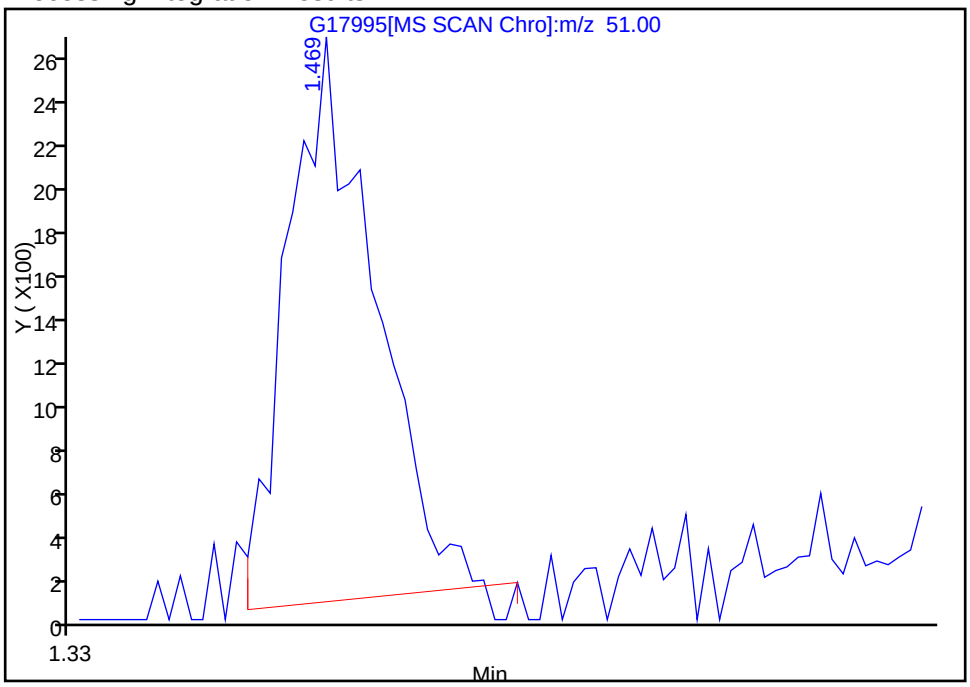
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17995.D		
Injection Date:	13-Dec-2012 15:41:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	14
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

11 Chlorodifluoromethane, Signal: 1, m/z: 51.0 Type: quant, RT: 1.47

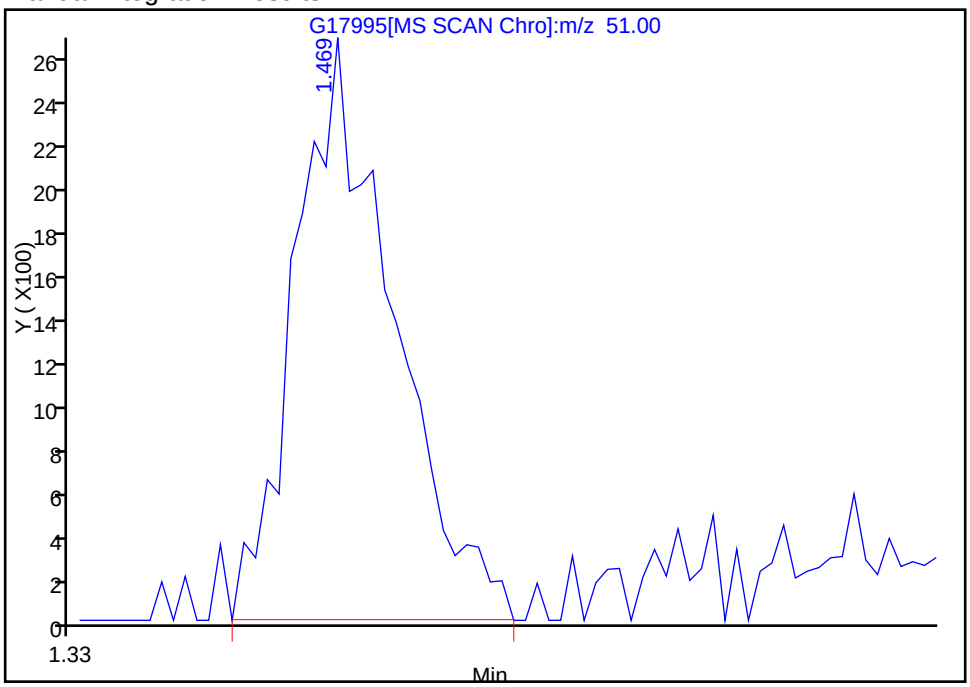
Processing Integration Results

RT: 1.47
Response: 8441
Amount: 1.146034



Manual Integration Results

RT: 1.47
Response: 9475
Amount: 0.797222



Reviewer: larsonr, 13-Dec-2012 18:05:44
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17996.D
Lims ID: IC 8 Client ID:
Inject. Date: 13-Dec-2012 16:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC 8
Misc. Info.: 480-0017502-015 =480-0017502-015
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 95589 Lims Sample ID: 15
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m
Last Update: 13-Dec-2012 18:05:50 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK014

First Level Reviewer: larsonr Date: 13-Dec-2012 18:01:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	602316	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	89	328626	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	271488	25.0	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	74	54794	4.66	
16 Dichlorofluoromethane	67	2.371	2.365	0.006	94	57478	4.53	
18 Ethyl ether	59	2.651	2.651	0.0	94	32459	5.05	
68 Propene oxide	58	2.731	2.731	0.0	93	64810	28.2	
25 Isopropyl alcohol	45	3.151	3.157	-0.006	97	128559	121.5	
26 3-Chloro-1-propene	41	3.231	3.237	-0.006	87	33394	4.44	M
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	98	257987	114.7	
34 Hexane	57	3.822	3.822	0.0	96	63988	5.72	
37 Isopropyl ether	45	4.054	4.054	0.0	94	143798	4.80	
39 2-Chloro-1,3-butadiene	53	4.084	4.090	-0.006	85	57246	4.80	
40 1,1-Dimethoxyethane	75	4.127	4.121	0.006	94	87294	26.5	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	98	145533	5.16	
45 Ethyl acetate	43	4.645	4.645	0.0	98	74686	4.79	
46 Propionitrile	54	4.688	4.688	0.0	98	118129	54.2	
47 Methacrylonitrile	41	4.816	4.810	0.006	94	42979	4.89	
55 Isobutyl alcohol	43	5.352	5.352	0.0	95	226329	224.5	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	98	137882	5.31	
59 n-Heptane	43	5.559	5.559	0.0	95	74185	5.34	
60 n-Butanol	56	5.974	5.974	0.0	95	167324	207.0	
64 Methyl methacrylate	41	6.303	6.303	0.0	92	60480	4.84	
66 1,4-Dioxane	88	6.358	6.352	0.006	90	28827	153.4	
69 2-Nitropropane	43	6.724	6.724	0.0	98	107804	22.5	
71 Epichlorohydrin	57	6.852	6.852	0.0	98	188372	101.6	
75 2-Methylthiophene	97	7.346	7.340	0.006	97	138878	4.62	
77 3-Methylthiophene	97	7.504	7.504	0.0	99	137942	4.59	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	82	49063	5.05	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	95	47531	4.99	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	91	49081	5.00	
96 Cyclohexanone	55	9.827	9.833	-0.006	93	30235	48.9	
103 3-Chlorotoluene	126	10.266	10.260	0.006	99	42393	4.98	
108 Pentachloroethane	167	10.644	10.644	0.0	81	18202	4.51	
112 Dicyclopentadiene	66	11.003	11.003	0.0	83	208228	5.32	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	98	175808	5.20	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	92	58788	5.37	

QC Flag Legend

Review Flags
M - Manually Integrated

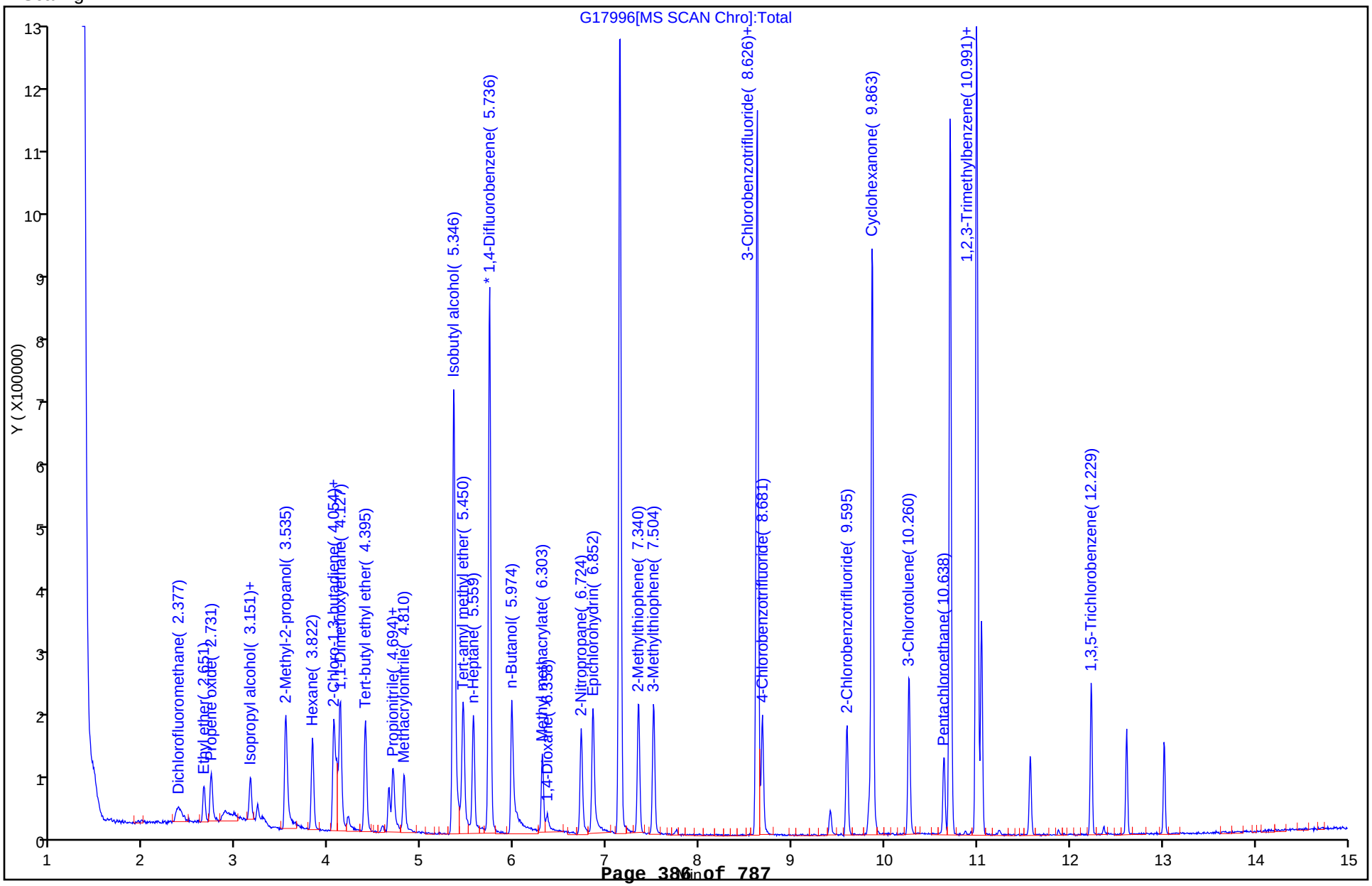
Report Date: 13-Dec-2012 18:05:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17996.D

Injection Date:	13-Dec-2012 16:04:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

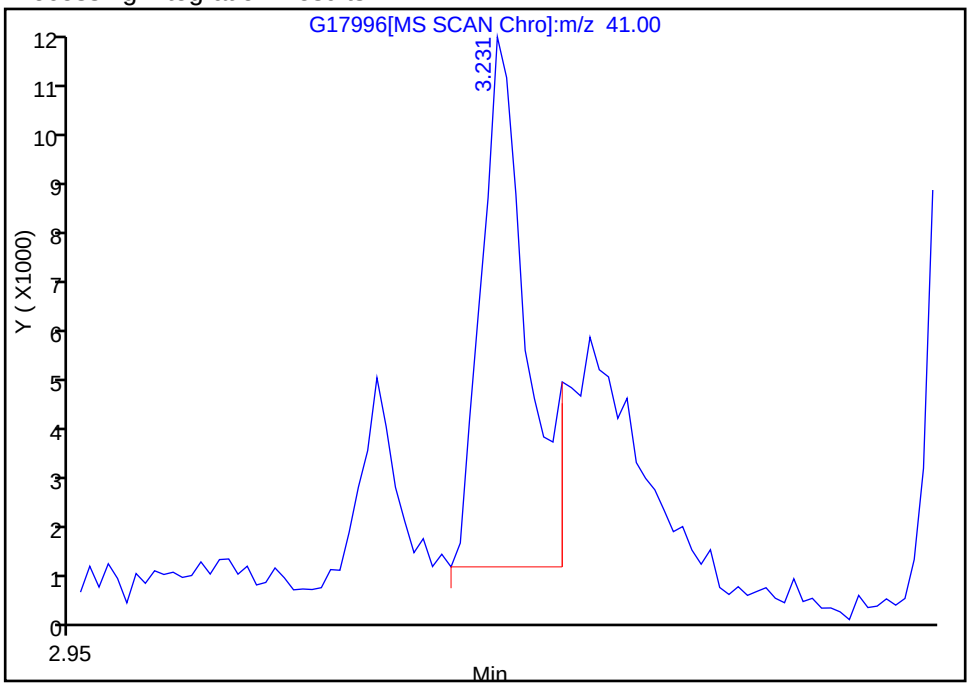
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17996.D		
Injection Date:	13-Dec-2012 16:04:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	15
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

26 3-Chloro-1-propene, Signal: 1, m/z: 41.0 Type: quant, RT: 3.24

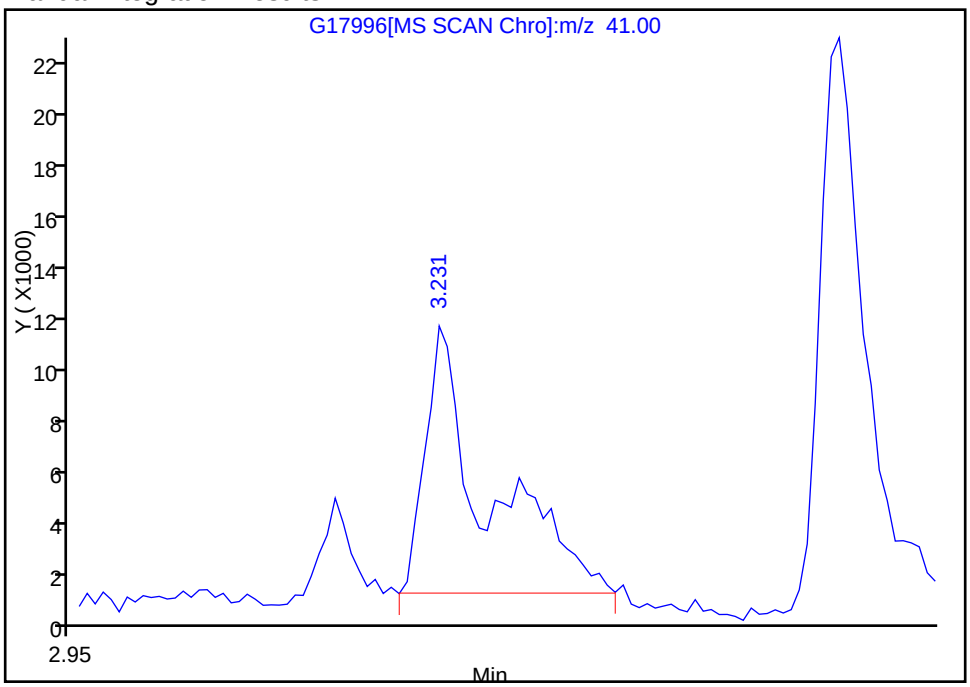
Processing Integration Results

RT: 3.23
Response: 21486
Amount: 3.017460



Manual Integration Results

RT: 3.23
Response: 33394
Amount: 4.442173



Reviewer: larsonr, 13-Dec-2012 18:05:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17997.D		
Lims ID:	IC 9	Client ID:	
Inject. Date:	13-Dec-2012 16:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 9		
Misc. Info.:	480-0017502-016 =480-0017502-016		
Operator:	TF	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	8
Lims Batch ID:	95589	Lims Sample ID:	16
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m		
Last Update:	13-Dec-2012 18:04:46	Calib Date:	13-Dec-2012 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK014		
First Level Reviewer: larsonr		Date:	13-Dec-2012 18:03:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	602301	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	326707	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	98	272977	25.0	
11 Chlorodifluoromethane	51	1.462	1.469	-0.007	77	125106	10.6	
16 Dichlorofluoromethane	67	2.359	2.365	-0.006	83	133331	10.5	
18 Ethyl ether	59	2.657	2.651	0.006	94	68578	10.7	
68 Propene oxide	58	2.731	2.731	0.0	86	117494	51.1	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	214459	202.7	
26 3-Chloro-1-propene	41	3.230	3.237	-0.007	88	87229	11.6	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	98	484202	215.3	
34 Hexane	57	3.822	3.822	0.0	95	125407	11.0	
37 Isopropyl ether	45	4.060	4.054	0.006	95	324049	10.8	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	88	126638	10.6	
40 1,1-Dimethoxyethane	75	4.121	4.121	-0.001	94	161835	49.2	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	98	295609	10.5	
45 Ethyl acetate	43	4.645	4.645	0.0	99	157102	10.1	
46 Propionitrile	54	4.694	4.688	0.006	97	230972	106.0	
47 Methacrylonitrile	41	4.809	4.810	-0.001	95	90846	10.3	
55 Isobutyl alcohol	43	5.352	5.352	0.0	94	429505	426.0	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	97	276900	10.7	
59 n-Heptane	43	5.559	5.559	0.0	95	152195	11.0	
60 n-Butanol	56	5.974	5.974	0.0	92	339768	420.4	
64 Methyl methacrylate	41	6.303	6.303	0.0	89	125166	10.0	
66 1,4-Dioxane	88	6.352	6.352	0.0	93	80938	433.6	
69 2-Nitropropane	43	6.724	6.724	0.0	98	221540	46.0	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	379435	204.6	
75 2-Methylthiophene	97	7.345	7.340	0.005	97	286499	9.48	
77 3-Methylthiophene	97	7.510	7.504	0.006	99	267448	9.12	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	85	105076	10.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	95	103845	10.4	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	93	105159	10.2	
96 Cyclohexanone	55	9.833	9.833	0.0	94	55173	88.7	
103 3-Chlorotoluene	126	10.266	10.260	0.006	99	91008	10.6	
108 Pentachloroethane	167	10.638	10.644	-0.006	84	41478	10.2	
112 Dicyclopentadiene	66	11.003	11.003	0.0	95	423768	10.8	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	95	368393	10.8	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	94	125005	11.4	

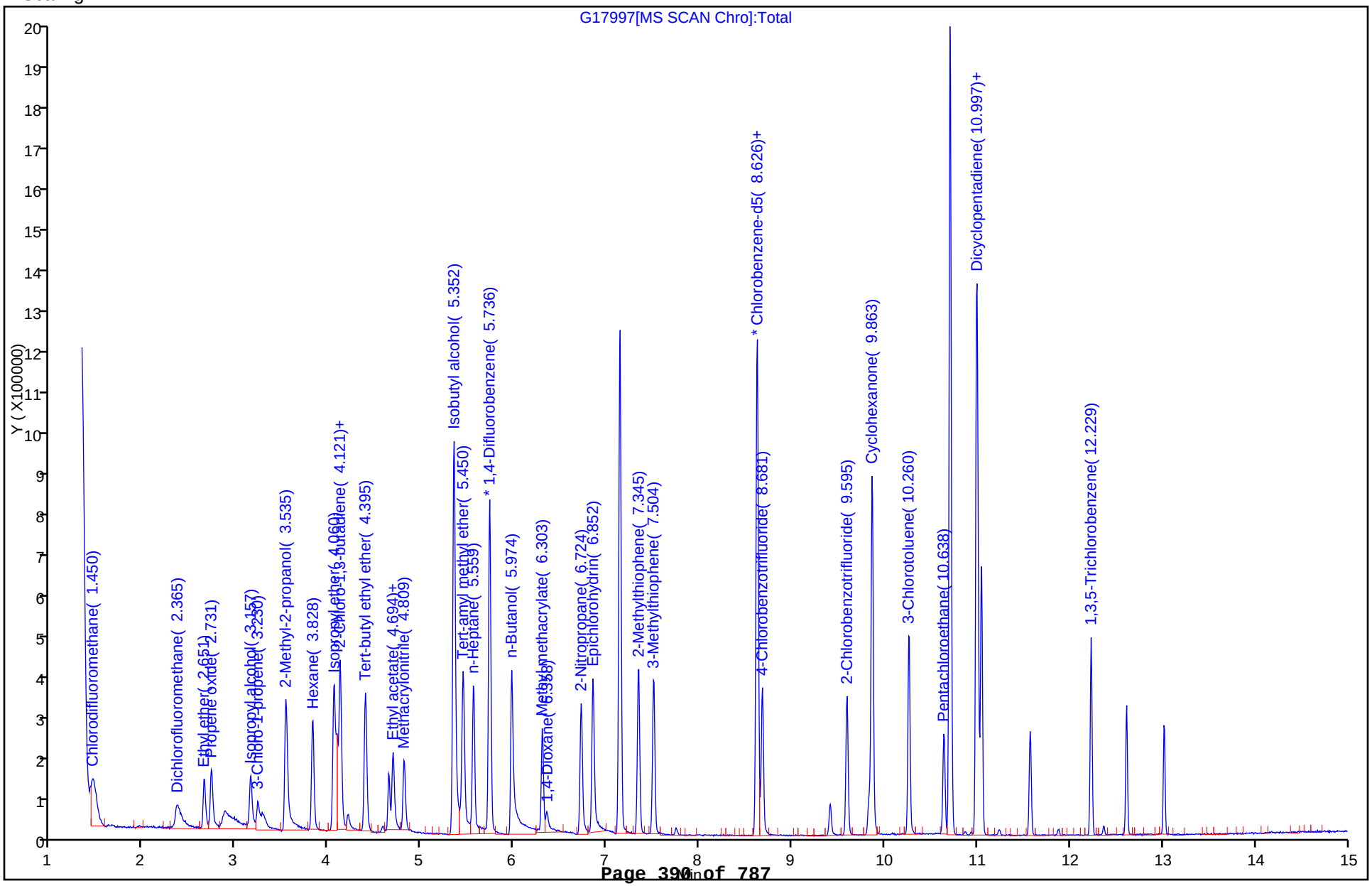
Report Date: 13-Dec-2012 18:04:46 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17997.D

Injection Date:	13-Dec-2012 16:27:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	16
Operator ID:	TF	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\HP5973G\20121213-17502.b\G17998.D
Lims ID: IC 10 Client ID:
Inject. Date: 13-Dec-2012 16:49:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: IC 10
Misc. Info.: 480-0017502-017 =480-0017502-017
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 95589 Lims Sample ID: 17
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m
Last Update: 13-Dec-2012 18:06:15 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK014

First Level Reviewer: larsonr Date: 13-Dec-2012 18:06:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	597609	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	318643	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	264112	25.0	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	77	276459	23.7	
16 Dichlorofluoromethane	67	2.365	2.365	0.0	83	318686	25.3	
18 Ethyl ether	59	2.651	2.651	0.0	94	160580	25.2	
68 Propene oxide	58	2.731	2.731	0.0	93	298294	130.7	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	536242	510.7	
26 3-Chloro-1-propene	41	3.237	3.237	0.0	88	199845	26.8	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	98	1143984	512.7	
34 Hexane	57	3.822	3.822	0.0	94	275991	24.1	
37 Isopropyl ether	45	4.054	4.054	0.0	94	736095	24.8	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	91	284898	24.1	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	90	417776	127.9	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	98	719056	25.7	
45 Ethyl acetate	43	4.645	4.645	0.0	99	394775	25.5	
46 Propionitrile	54	4.688	4.688	0.0	98	551195	255.0	
47 Methacrylonitrile	41	4.810	4.810	0.0	95	225882	25.9	
55 Isobutyl alcohol	43	5.352	5.352	0.0	94	1082375	1082.1	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	99	671796	26.1	
59 n-Heptane	43	5.559	5.559	0.0	95	347030	25.2	
60 n-Butanol	56	5.974	5.974	0.0	91	874548	1090.5	
64 Methyl methacrylate	41	6.303	6.303	0.0	89	314523	25.3	
66 1,4-Dioxane	88	6.352	6.352	0.0	95	205365	1100.8	
69 2-Nitropropane	43	6.724	6.724	0.0	98	644089	138.1	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	1022404	555.7	
75 2-Methylthiophene	97	7.340	7.340	0.0	98	684687	23.4	
77 3-Methylthiophene	97	7.504	7.504	0.0	100	703688	25.3	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	87	241587	23.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	95	236172	23.8	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	93	249994	24.5	
96 Cyclohexanone	55	9.833	9.833	0.0	96	147235	244.6	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	222146	26.9	
108 Pentachloroethane	167	10.644	10.644	0.0	85	98038	24.9	
112 Dicyclopentadiene	66	11.003	11.003	0.0	96	995799	26.1	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	97	880759	26.8	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	94	296056	27.8	

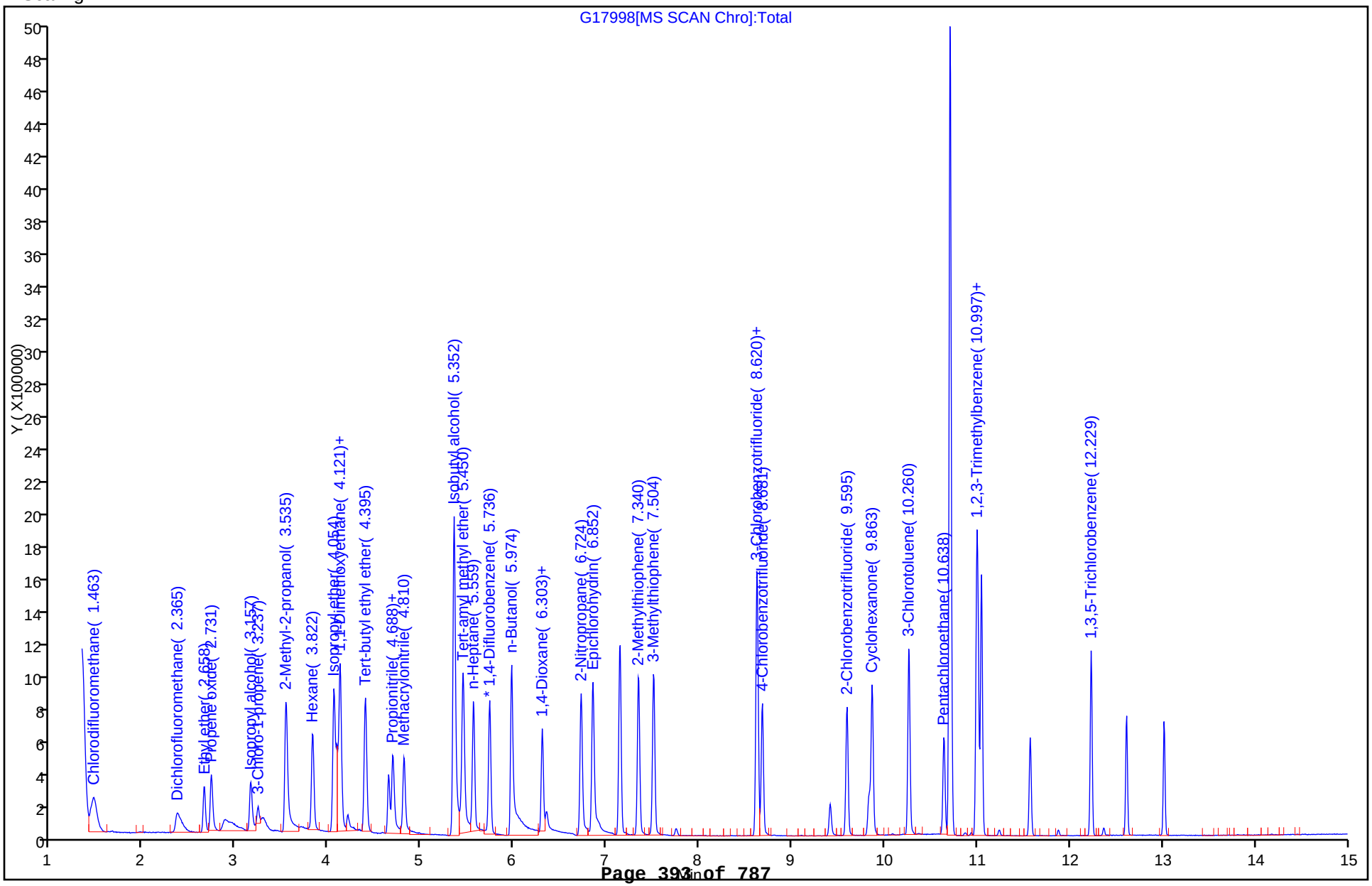
Report Date: 13-Dec-2012 18:06:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17998.D

Injection Date:	13-Dec-2012 16:49:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	17
Operator ID:	TF	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\HP5973G\20121213-17502.b\G17999.D
Lims ID: IC 11 Client ID:
Inject. Date: 13-Dec-2012 17:12:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: IC 11
Misc. Info.: 480-0017502-018 =480-0017502-018
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 95589 Lims Sample ID: 18
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m
Last Update: 13-Dec-2012 18:06:52 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK014

First Level Reviewer: larsonr Date: 13-Dec-2012 18:06:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	616136	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	85	328293	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	269721	25.0	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	78	678548	56.3	
16 Dichlorofluoromethane	67	2.359	2.365	-0.006	83	722965	55.7	
18 Ethyl ether	59	2.651	2.651	0.0	95	340256	51.7	
68 Propene oxide	58	2.731	2.731	0.0	95	554018	235.4	
25 Isopropyl alcohol	45	3.157	3.157	0.0	99	923769	853.4	
26 3-Chloro-1-propene	41	3.237	3.237	0.0	88	484129	63.0	
30 2-Methyl-2-propanol	59	3.541	3.535	0.006	98	1934540	840.9	
34 Hexane	57	3.822	3.822	0.0	95	551199	46.5	
37 Isopropyl ether	45	4.053	4.054	-0.001	94	1575342	51.4	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	91	678456	55.6	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	93	824903	245.0	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	98	1432987	49.7	
45 Ethyl acetate	43	4.645	4.645	0.0	100	789859	49.5	
46 Propionitrile	54	4.694	4.688	0.006	98	974520	437.2	
47 Methacrylonitrile	41	4.809	4.810	-0.001	94	454113	50.5	
55 Isobutyl alcohol	43	5.352	5.352	0.0	94	1906557	1848.7	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	97	1347082	50.7	
59 n-Heptane	43	5.559	5.559	0.0	95	726414	51.2	
60 n-Butanol	56	5.974	5.974	0.0	91	1685131	2038.1	
64 Methyl methacrylate	41	6.303	6.303	0.0	92	668876	52.3	
66 1,4-Dioxane	88	6.346	6.352	-0.006	94	379870	1976.3	
69 2-Nitropropane	43	6.724	6.724	0.0	98	1330457	279.4	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	1904244	1003.8	
75 2-Methylthiophene	97	7.346	7.340	0.006	98	1470465	49.2	
77 3-Methylthiophene	97	7.504	7.504	0.0	100	1449677	51.3	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	91	487903	46.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	96	473952	46.3	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	93	500848	47.6	
96 Cyclohexanone	55	9.833	9.833	0.0	96	290816	473.1	
103 3-Chlorotoluene	126	10.260	10.260	0.0	99	434457	51.4	
108 Pentachloroethane	167	10.644	10.644	0.0	87	218927	54.5	
112 Dicyclopentadiene	66	11.003	11.003	0.0	97	1925714	49.5	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	97	1710598	51.0	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	92	551269	50.7	

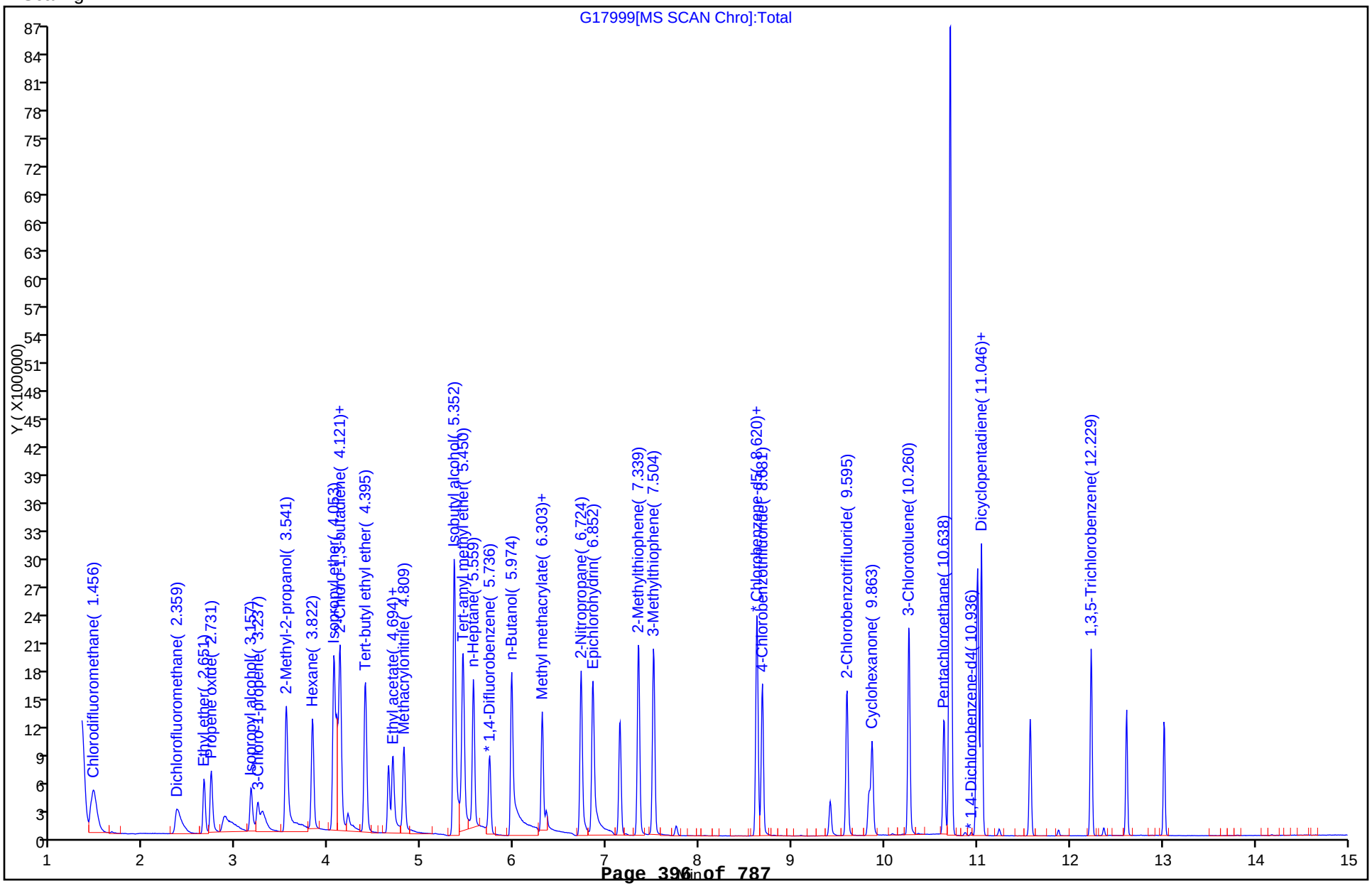
Report Date: 13-Dec-2012 18:06:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17999.D

Injection Date:	13-Dec-2012 17:12:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	18
Operator ID:	TF	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\HP5973G\20121213-17502.b\G18000.D		
Lims ID:	IC 12	Client ID:	
Inject. Date:	13-Dec-2012 17:35:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 12		
Misc. Info.:	480-0017502-019 =480-0017502-019		
Operator:	TF	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	11
Lims Batch ID:	95589	Lims Sample ID:	19
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m		
Last Update:	13-Dec-2012 18:13:20	Calib Date:	13-Dec-2012 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK014		
First Level Reviewer: larsonr		Date:	13-Dec-2012 18:13:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	96	599451	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	70	319586	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.997	10.991	0.006	95	255132	25.0	
11 Chlorodifluoromethane	51	1.463	1.469	-0.006	78	1332098	113.7	
16 Dichlorofluoromethane	67	2.359	2.365	-0.006	83	1343836	106.4	
18 Ethyl ether	59	2.651	2.651	0.0	94	624893	97.6	
68 Propene oxide	58	2.725	2.731	-0.006	95	1010322	441.3	
25 Isopropyl alcohol	45	3.164	3.157	0.007	98	1899542	1803.6	
26 3-Chloro-1-propene	41	3.231	3.237	-0.006	88	912226	108.5	M
30 2-Methyl-2-propanol	59	3.548	3.535	0.013	98	3988760	1782.0	
34 Hexane	57	3.822	3.822	0.0	96	1188167	102.8	
37 Isopropyl ether	45	4.054	4.054	0.0	94	3045501	102.2	
39 2-Chloro-1,3-butadiene	53	4.084	4.090	-0.006	91	1312869	110.7	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	93	1612180	492.2	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	98	2886417	102.9	
45 Ethyl acetate	43	4.645	4.645	0.0	100	1579355	101.7	
46 Propionitrile	54	4.688	4.688	0.0	98	1951389	899.9	
47 Methacrylonitrile	41	4.810	4.810	0.0	95	888041	101.6	
55 Isobutyl alcohol	43	5.358	5.352	0.006	94	3313676	3302.5	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	97	2694840	104.2	
59 n-Heptane	43	5.559	5.559	0.0	95	1494398	108.2	
60 n-Butanol	56	5.974	5.974	0.0	91	3238030	4025.2	
64 Methyl methacrylate	41	6.303	6.303	0.0	91	1288989	103.6	
66 1,4-Dioxane	88	6.346	6.352	-0.006	94	743437	3972.9	
69 2-Nitropropane	43	6.724	6.724	0.0	98	2572281	571.1	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	3583327	1941.5	
75 2-Methylthiophene	97	7.340	7.340	0.0	98	2706551	95.8	
77 3-Methylthiophene	97	7.504	7.504	0.0	100	2650072	99.5	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	92	1040145	104.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	97	1018150	104.6	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	93	1025997	102.7	
96 Cyclohexanone	55	9.833	9.833	0.0	96	609715	1048.7	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	892657	111.7	
108 Pentachloroethane	167	10.644	10.644	0.0	88	420399	110.7	
112 Dicyclopentadiene	66	11.010	11.003	0.007	97	3647405	99.1	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	97	3212954	101.2	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	94	931434	90.6	

QC Flag Legend

Review Flags
M - Manually Integrated

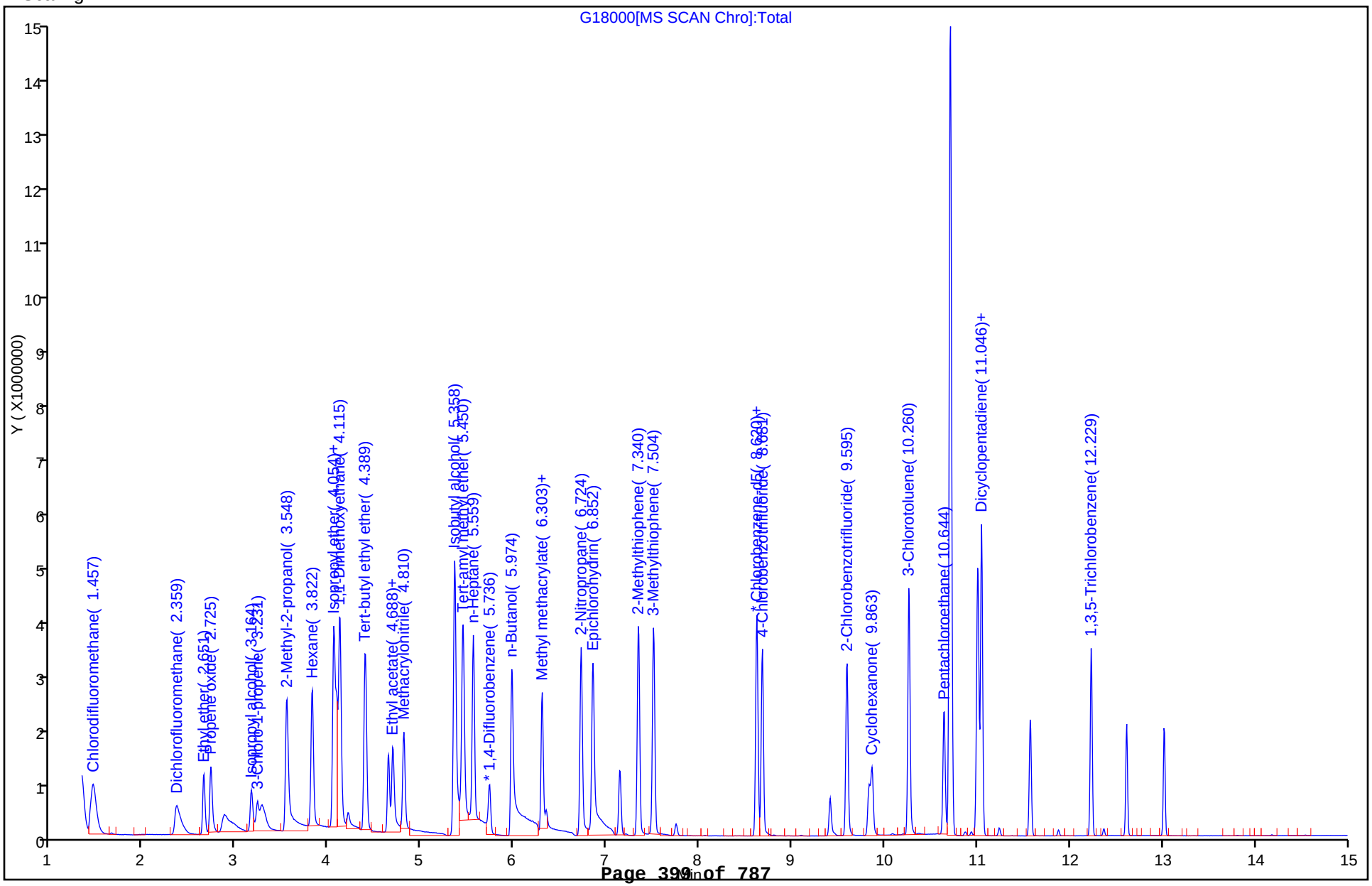
Report Date: 13-Dec-2012 18:13:21 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D

Injection Date:	13-Dec-2012 17:35:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Manual Integration/User Assign Peak Report

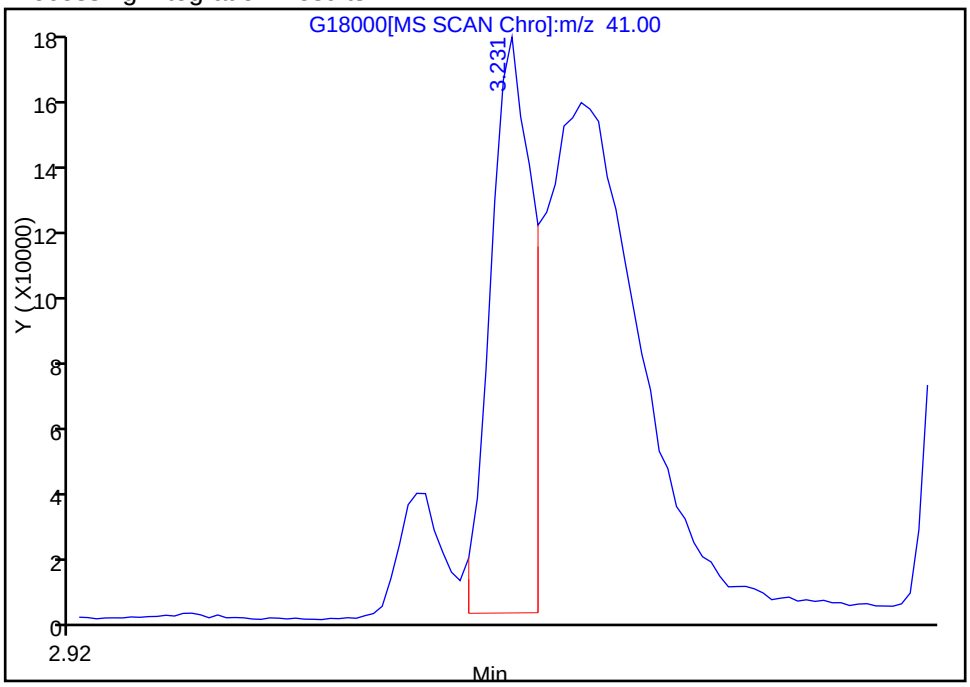
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Injection Date:	13-Dec-2012 17:35:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	19
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

26 3-Chloro-1-propene, Signal: 1, m/z: 41.0 Type: quant, RT: 3.24

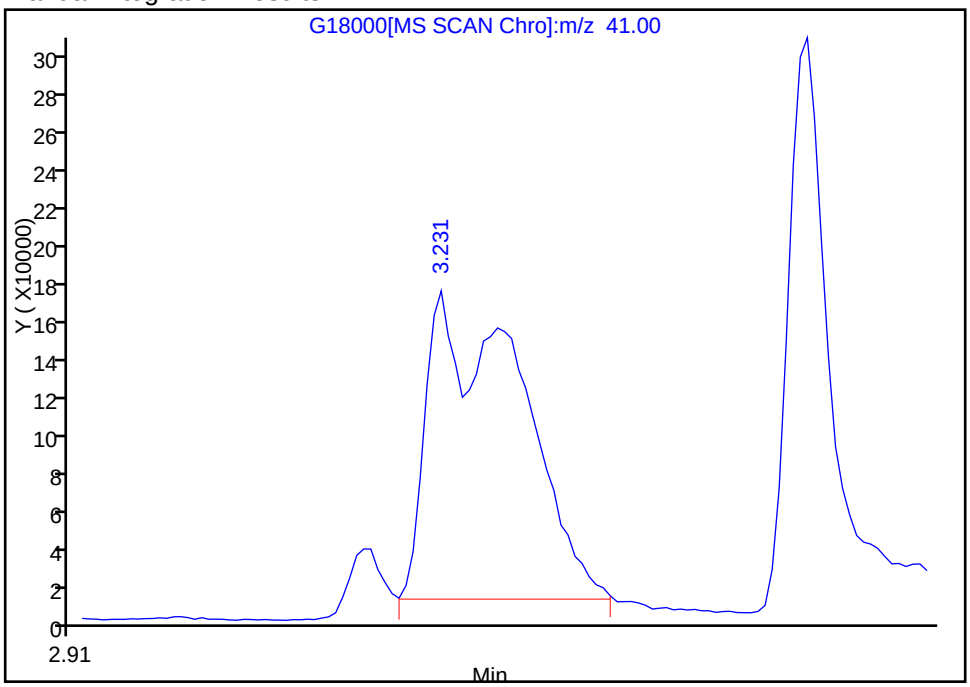
Processing Integration Results

RT: 3.23
Response: 356420
Amount: 47.638692



Manual Integration Results

RT: 3.23
Response: 912226
Amount: 108.4940



Reviewer: larsonr, 13-Dec-2012 18:13:20
Audit Action: Manually Integrated
Audit Reason: Split Peak

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-97278/3	S21539.D
Level 2	IC 480-97278/4	S21540.D
Level 3	IC 480-97278/5	S21541.D
Level 4	ICIS 480-97278/6	S21542.D
Level 5	IC 480-97278/7	S21543.D
Level 6	IC 480-97278/8	S21544.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								
Dichlorodifluoromethane	0.1945 0.2505	0.2345	0.2135	0.2417	0.2443	Ave		0.2298				9.4		15.0			
Chloromethane	0.3406 0.3442	0.3658	0.3256	0.3599	0.3513	Ave		0.3479			0.1000	4.1		15.0			
Vinyl chloride	0.3087 0.3625	0.3356	0.3156	0.3354	0.3519	Ave		0.3350				6.1		30.0			
Bromomethane	0.1273 0.1213	0.1139	0.1007	0.1116	0.1117	Ave		0.1144				8.0		15.0			
Chloroethane	0.1262 0.1711	0.1487	0.1353	0.1499	0.1619	Ave		0.1489				11.0		15.0			
Trichlorofluoromethane	0.1740 0.3488	0.2731	0.2722	0.3155	0.3288	Lin1	-0.238	0.3398							0.9980		0.9900
Acrolein	0.0386 0.0447	0.0399	0.0486	0.0425	0.0397	Ave		0.0423				8.9		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2025 0.2297	0.2198	0.2490	0.2266	0.2143	Ave		0.2237				7.0		15.0			
1,1-Dichloroethene	0.2390 0.2822	0.2490	0.2985	0.2654	0.2731	Ave		0.2679				8.1		30.0			
Acetone	0.1219 0.1149	0.1088	0.1188	0.1117	0.1049	Ave		0.1135				5.6		15.0			
Iodomethane	0.2881 0.2886	0.2759	0.2998	0.2790	0.2705	Ave		0.2837				3.7		15.0			
Carbon disulfide	0.5192 0.7440	0.5636	0.6549	0.6529	0.6685	Ave		0.6338				13.0		15.0			
Methyl acetate	0.3798 0.3914	0.3692	0.4127	0.3776	0.3628	Ave		0.3822				4.7		15.0			
Acetonitrile	0.0260 0.0249	0.0235	0.0292	0.0247	0.0226	Ave		0.0252				9.1		15.0			
Methylene Chloride	0.4423 0.3243	0.3261	0.3537	0.3169	0.3119	Ave		0.3459				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.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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								
Methyl tert-butyl ether	0.8049 0.9337	0.8001	0.8924	0.8479	0.8555	Ave		0.8558				6.0		15.0			
trans-1,2-Dichloroethene	0.2770 0.2878	0.2741	0.3039	0.2800	0.2864	Ave		0.2849				3.8		15.0			
Acrylonitrile	0.1470 0.1529	0.1427	0.1649	0.1464	0.1413	Ave		0.1492				5.8		15.0			
1,1-Dichloroethane	0.4774 0.5241	0.4799	0.5409	0.4929	0.5064	Ave		0.5036			0.1000	5.0		15.0			
Vinyl acetate	0.4640 0.6724	0.5308	0.6541	0.6326	0.6403	Ave		0.5990				14.0		15.0			
2,2-Dichloropropane	0.0804 0.1606	0.0917	0.1135	0.1213	0.1450	Lin	-0.507	0.1626							0.9960		0.9900
cis-1,2-Dichloroethene	0.2835 0.3076	0.2965	0.3348	0.3041	0.3081	Ave		0.3058				5.5		15.0			
2-Butanone (MEK)	0.1940 0.1936	0.1844	0.2093	0.1937	0.1863	Ave		0.1935				4.5		15.0			
Bromochloromethane	0.1325 0.1360	0.1230	0.1487	0.1359	0.1371	Ave		0.1356				6.1		15.0			
Tetrahydrofuran	0.1276 0.1247	0.1207	0.1390	0.1278	0.1229	Ave		0.1271				5.1		15.0			
Chloroform	0.4971 0.4931	0.4750	0.5174	0.4913	0.4990	Ave		0.4955				2.8		30.0			
1,1,1-Trichloroethane	0.2101 0.2708	0.2608	0.2596	0.3092	0.3378	Lin2	-0.090	0.2952							0.9900		0.9900
Cyclohexane	0.5031 0.5303	0.5386	0.5849	0.5226	0.5180	Ave		0.5329				5.3		15.0			
Carbon tetrachloride	0.1427 0.2853	0.1700	0.1825	0.2255	0.2618	Lin	-0.875	0.2896							0.9970		0.9900
1,1-Dichloropropene	0.3705 0.3843	0.3677	0.4051	0.3828	0.3925	Ave		0.3838				3.6		15.0			
Benzene	1.1705 1.1530	1.1928	1.2043	1.1740	1.1808	Ave		1.1792				1.5		15.0			
1,2-Dichloroethane	0.4099 0.4131	0.4024	0.4164	0.4188	0.4215	Ave		0.4137				1.7		15.0			
Trichloroethene	0.2740 0.2886	0.2729	0.2838	0.2852	0.2934	Ave		0.2830				2.9		15.0			
Methylcyclohexane	0.4518 0.4903	0.4838	0.4603	0.4752	0.4817	Ave		0.4739				3.1		15.0			
1,2-Dichloropropane	0.2578 0.2969	0.2812	0.2940	0.2939	0.2991	Ave		0.2872				5.5		30.0			

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.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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								
Dibromomethane	0.1329 0.1744	0.1564	0.1590	0.1698	0.1730	Ave		0.1609				9.7		15.0			
Bromodichloromethane	0.2483 0.3830	0.2740	0.2889	0.3389	0.3702	Lin1	-0.245	0.3731							0.9960		0.9900
2-Chloroethyl vinyl ether	0.1777 0.1949	0.1908	0.1852	0.1999	0.1973	Ave		0.1910				4.3		15.0			
cis-1,3-Dichloropropene	0.2670 0.4761	0.3043	0.3438	0.4169	0.4616	Lin1	-0.375	0.4638							0.9950		0.9900
4-Methyl-2-pentanone (MIBK)	0.7017 0.7266	0.7111	0.7273	0.7464	0.7290	Ave		0.7237				2.1		15.0			
Toluene	1.3949 1.4411	1.4149	1.4686	1.4373	1.4736	Ave		1.4384				2.1		30.0			
trans-1,3-Dichloropropene	0.3597 0.8767	0.4539	0.5557	0.7052	0.8253	Lin1	-0.918	0.8390							0.9900		0.9900
Ethyl methacrylate	0.5601 0.8795	0.6496	0.7062	0.7914	0.8427	Lin1	-0.525	0.8580							0.9970		0.9900
1,1,2-Trichloroethane	0.4156 0.4464	0.4096	0.4491	0.4452	0.4477	Ave		0.4356				4.1		15.0			
Tetrachloroethene	0.5334 0.5307	0.5266	0.5245	0.5247	0.5403	Ave		0.5300				1.2		15.0			
1,3-Dichloropropane	0.8743 0.9591	0.8963	0.9208	0.9389	0.9605	Ave		0.9250				3.8		15.0			
2-Hexanone	0.4728 0.5446	0.5167	0.5295	0.5615	0.5414	Ave		0.5278				5.8		15.0			
Dibromochloromethane	0.2492 0.5194	0.3211	0.3485	0.4314	0.4886	Lin1	-0.463	0.4989							0.9920		0.9900
1,2-Dibromoethane	0.3878 0.5485	0.4459	0.4921	0.5180	0.5408	Ave		0.4888				13.0		15.0			
Chlorobenzene	1.5040 1.5676	1.5077	1.5298	1.5431	1.5756	Ave		1.5380			0.3000	1.9		15.0			
Ethylbenzene	2.7027 2.7154	2.7007	2.7382	2.7148	2.7733	Ave		2.7242				1.0		30.0			
1,1,1,2-Tetrachloroethane	0.2549 0.4828	0.3297	0.3658	0.4296	0.4675	Lin1	-0.366	0.4720							0.9960		0.9900
m&p-Xylene	0.9937 1.0032	1.0228	1.0350	1.0274	1.0439	Ave		1.0210				1.9		15.0			
o-Xylene	0.9905 1.0286	1.0097	1.0514	1.0192	1.0484	Ave		1.0246				2.3		15.0			
Styrene	1.5881 1.8098	1.6623	1.7770	1.7764	1.8130	Ave		1.7378				5.3		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.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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								
Bromoform	0.1334 0.3493	0.1611	0.1916	0.2538	0.3066	Lin	-1.404	0.3554			0.1000				0.9950		0.9900
Isopropylbenzene	2.7145 2.9888	2.8891	3.0333	2.9770	3.2263	Ave		2.9715				5.7		15.0			
Bromobenzene	0.6451 0.7217	0.6774	0.7183	0.7160	0.7676	Ave		0.7077				5.9		15.0			
1,1,2,2-Tetrachloroethane	0.7609 0.9046	0.8115	0.8645	0.8775	0.9585	Ave		0.8629			0.3000	8.1		15.0			
N-Propylbenzene	3.2270 3.6303	3.4804	3.6109	3.6397	3.9623	Ave		3.5918				6.7		15.0			
1,2,3-Trichloropropane	0.2516 0.2577	0.2750	0.2701	0.2712	0.2813	Ave		0.2678				4.1		15.0			
trans-1,4-Dichloro-2-butene	0.1908 0.2634	0.2062	0.2254	0.2515	0.2702	Ave		0.2346				14.0		15.0			
2-Chlorotoluene	0.6493 0.6844	0.6758	0.6963	0.6891	0.7327	Ave		0.6879				4.0		15.0			
1,3,5-Trimethylbenzene	2.2677 2.5371	2.4471	2.5186	2.5164	2.7338	Ave		2.5034				6.0		15.0			
4-Chlorotoluene	0.6506 0.7189	0.7079	0.7366	0.7144	0.7537	Ave		0.7137				4.9		15.0			
tert-Butylbenzene	0.4896 0.5258	0.5081	0.5241	0.5218	0.5554	Ave		0.5208				4.2		15.0			
1,2,4-Trimethylbenzene	2.2523 2.5545	2.4759	2.5734	2.5583	2.6577	Ave		2.5120				5.6		15.0			
sec-Butylbenzene	2.7439 3.1208	2.9860	3.0599	3.0766	3.2500	Ave		3.0395				5.6		15.0			
1,3-Dichlorobenzene	1.3081 1.3036	1.3500	1.3988	1.3560	1.3755	Ave		1.3487				2.8		15.0			
4-Isopropyltoluene	2.1618 2.4618	2.4265	2.5189	2.4986	2.5673	Ave		2.4392				5.9		15.0			
1,4-Dichlorobenzene	1.4059 1.4035	1.4266	1.4379	1.4030	1.4493	Ave		1.4210				1.4		15.0			
n-Butylbenzene	2.0670 2.4813	2.3245	2.4061	2.4286	2.5807	Ave		2.3814				7.4		15.0			
1,2-Dichlorobenzene	1.2911 1.3231	1.3089	1.3611	1.3257	1.3640	Ave		1.3290				2.2		15.0			
1,2-Dibromo-3-Chloropropane	0.0603 0.1740	0.0873	0.1091	0.1362	0.1599	Lin	-0.576	0.1772							0.9970		0.9900
1,2,4-Trichlorobenzene	0.7562 0.8929	0.7949	0.8217	0.8154	0.8933	Ave		0.8291				6.6		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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								
Hexachlorobutadiene	0.1579 0.1670	0.1711	0.1581	0.1593	0.1650	Ave		0.1631				3.4		15.0			
Naphthalene	0.7499 1.1181	0.8888	0.8889	0.9995	1.0453	Ave		0.9484				14.0		15.0			
1,2,3-Trichlorobenzene	0.3021 0.3457	0.3331	0.3101	0.3204	0.3269	Ave		0.3230				4.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2136 0.1585	0.1538	0.1681	0.1809	0.1682	Ave		0.1738				12.0		15.0			
Toluene-d8 (Surr)	2.3159 1.8298	1.8576	1.8368	2.1343	1.9551	Ave		1.9882				9.9		15.0			
4-Bromofluorobenzene (Surr)	0.7927 0.5682	0.5759	0.5738	0.6114	0.5910	Ave		0.6188				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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-97278/3	S21539.D
Level 2	IC 480-97278/4	S21540.D
Level 3	IC 480-97278/5	S21541.D
Level 4	ICIS 480-97278/6	S21542.D
Level 5	IC 480-97278/7	S21543.D
Level 6	IC 480-97278/8	S21544.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
Dichlorodifluoromethane	DFB	Ave	6212 811619	37894	73414	195389	404655	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	10878 1115116	59111	111949	290991	581932	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	9860 1174222	54239	108518	271134	583002	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	Ave	4066 393002	18403	34626	90258	185100	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	4031 554399	24034	46500	121221	268186	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Lin1	5558 1130006	44130	93576	255061	544771	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	24683 2898969	128927	334143	687539	1314363	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Ave	6469 744124	35528	85593	183206	354943	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	7635 914246	40232	102619	214559	452489	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	19464 1861797	87938	204214	451390	869306	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	9201 935048	44593	103085	225589	448058	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	16582 2410301	91072	225144	527811	1107569	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	12131 1267915	59658	141873	305245	601011	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	33250 3224531	151880	401002	800252	1500435	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	14128 1050489	52692	121618	256208	516780	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	25707 3024767	129301	306826	685455	1417355	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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
trans-1,2-Dichloroethene	DFB	Ave	8848 932258	44290	104493	226318	474493	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	23483 2477199	115312	283416	591861	1170477	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	15247 1697895	77545	185956	398488	838874	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	74103 10891166	428900	1124473	2556901	5304021	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Lin	2568 520187	14826	39031	98039	240257	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	9056 996475	47915	115121	245850	510488	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	30983 3135702	148969	359790	783009	1542979	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	4233 440545	19882	51140	109863	227163	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	20379 2019156	97526	238901	516736	1017748	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	15877 1597515	76768	177872	397141	826731	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Lin2	6710 877335	42138	89267	249934	559615	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	16067 1717871	87040	201107	422465	858225	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Lin	4557 924239	27465	62758	182326	433669	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	11835 1245096	59424	139287	309452	650318	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	37384 3735156	192762	414034	949095	1956274	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	13091 1338200	65030	143169	338596	698209	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	8751 934786	44095	97569	230569	486015	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	14430 1588263	78186	158270	384129	798051	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	8234 961876	45442	101095	237620	495553	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	4245 565086	25282	54675	137244	286687	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Lin1	7931 1240771	44271	99323	273996	613243	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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
2-Chloroethyl vinyl ether	DFB	Ave	28385 3156967	154196	318362	808109	1633958	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Lin1	8527 1542268	49177	118188	336991	764641	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	56695 6046315	295054	614465	1567165	3140004	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	22541 2398554	117414	248136	603529	1269479	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Lin1	5812 1459052	37669	93901	296116	711020	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Lin1	9051 1463770	53902	119329	332310	725940	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6715 742895	33992	75879	186966	385695	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	8620 883338	43694	88623	220341	465468	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	14128 1596210	74373	155583	394274	827449	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	38202 4532343	214391	447341	1178934	2331806	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Lin1	4027 864536	26645	58879	181161	420959	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	6266 912925	37003	83142	217510	465862	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	24303 2608969	125110	258488	647978	1357339	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	43674 4519360	224105	462656	1139988	2389145	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1	4119 803470	27363	61814	180408	402731	1.00 100	5.00	10.0	25.0	50.0
m&p-Xylene	CBZ	Ave	32115 3339296	169740	349748	862883	1798511	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	16006 1711929	83785	177650	427963	903206	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	25663 3012114	137939	300249	745958	1561822	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Lin	2156 581381	13370	32368	106579	264104	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	38912 4488988	213814	451298	1110446	2348836	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	9248 1083982	50135	106868	267065	558819	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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
1,1,2,2-Tetrachloroethane	DCB	Ave	10907 1358631	60056	128616	327308	697816	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	46258 5452560	257571	537233	1357665	2884685	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	3607 387018	20348	40185	101168	204806	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	13677 1978196	76290	167684	469152	983601	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	9308 1027910	50014	103595	257057	533424	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	32507 3810599	181101	374716	938634	1990315	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	9326 1079745	52389	109586	266493	548685	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	7018 789680	37602	77972	194645	404325	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	32286 3836704	183230	382869	954270	1934897	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	39333 4687273	220981	455250	1147591	2366143	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	18752 1957913	99909	208111	505802	1001407	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	30989 3697555	179577	374769	931990	1869069	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	20153 2108010	105575	213928	523324	1055137	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	29630 3726848	172029	357988	905914	1878876	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	18508 1987194	96870	202505	494498	993038	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Lin	865 261293	6464	16239	50814	116407	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	10840 1341076	58831	122261	304151	650356	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DFB	Ave	5042 541055	27655	54359	128779	273383	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DFB	Ave	23951 3622029	143633	305598	808057	1731677	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DFB	Ave	9648 1119752	53826	106617	259044	541621	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	6821 513539	24848	57808	146259	278612	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 11:33 Calibration End Date: 12/24/2012 13:22 Calibration ID: 11762

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
Toluene-d8 (Surr)	CBZ	Ave	37423 3045388	154144	310350	896217	1684302	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	12810 945717	47790	96959	256719	509136	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21539.D
Lims ID: IC Client ID:
Inject. Date: 24-Dec-2012 11:33:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC
Misc. Info.: 480-0017830-003 =480-0017830-003
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 27
Lims Batch ID: 97278 Lims Sample ID: 3
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 10:05:37 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: fergusont Date: 27-Dec-2012 10:05:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	798479	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	403981	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.819	8.820	-0.001	95	358369	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.451	4.458	-0.007	44	6821	1.23	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	-0.001	70	37423	1.16	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	77	12810	1.28	
10 Dichlorodifluoromethane	85	1.178	1.167	0.012	27	6212	0.8464	
12 Chloromethane	50	1.282	1.288	-0.006	77	10878	0.9792	
13 Vinyl chloride	62	1.391	1.398	-0.007	20	9860	0.9218	
14 Bromomethane	94	1.617	1.623	-0.007	45	4066	1.11	
15 Chloroethane	64	1.714	1.720	-0.006	31	4031	0.8480	
17 Trichlorofluoromethane	101	1.933	1.945	-0.012	25	5558	1.27	
20 Acrolein	56	2.322	2.322	0.0	86	24683	18.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	8	6469	0.9058	
22 1,1-Dichloroethene	96	2.371	2.377	-0.006	66	7635	0.8926	
23 Acetone	43	2.468	2.468	0.0	79	19464	5.37	
25 Iodomethane	142	2.523	2.523	0.0	50	9201	1.02	
26 Carbon disulfide	76	2.559	2.566	-0.007	35	16582	0.8193	
27 Methyl acetate	43	2.730	2.730	0.0	83	12131	0.99	
29 Acetonitrile	40	2.748	2.748	0.0	99	33250	41.7	
30 Methylene Chloride	84	2.851	2.852	-0.001	64	14128	1.28	
32 Methyl tert-butyl ether	73	2.991	2.992	-0.001	84	25707	0.9407	
34 trans-1,2-Dichloroethene	96	2.997	2.992	0.005	39	8848	0.9727	
33 Acrylonitrile	53	3.070	3.065	0.005	87	23483	4.93	
39 1,1-Dichloroethane	63	3.356	3.357	-0.001	44	15247	0.9482	
37 Vinyl acetate	43	3.417	3.417	0.0	96	74103	3.87	
44 2,2-Dichloropropane	77	3.794	3.795	-0.001	17	2568	3.62	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	35	9056	0.9275	
43 2-Butanone (MEK)	43	3.880	3.868	0.012	96	30983	5.01	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.013	4.014	-0.001	71	4233	0.9780	
49 Tetrahydrofuran	42	4.044	4.032	0.012	84	20379	5.02	
50 Chloroform	83	4.074	4.081	-0.007	58	15877	1.00	
51 1,1,1-Trichloroethane	97	4.172	4.166	0.006	30	6710	1.22	
52 Cyclohexane	56	4.166	4.166	0.0	76	16067	0.9442	
55 Carbon tetrachloride	117	4.275	4.275	0.0	47	4557	3.51	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	76	11835	0.9659	
57 Benzene	78	4.451	4.458	-0.007	89	37384	0.99	
58 1,2-Dichloroethane	62	4.512	4.512	0.0	63	13091	0.99	
62 Trichloroethene	95	4.932	4.932	0.0	78	8751	0.9687	
64 Methylcyclohexane	83	5.029	5.024	0.005	66	14430	0.9538	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	68	8234	0.8979	
67 Dibromomethane	93	5.230	5.230	0.0	77	4245	0.8260	
68 Dichlorobromomethane	83	5.352	5.352	0.0	34	7931	1.32	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	82	28385	4.66	
72 cis-1,3-Dichloropropene	75	5.668	5.668	0.0	52	8527	1.38	
73 4-Methyl-2-pentanone (MIBK)	43	5.796	5.790	0.006	93	56695	4.85	
74 Toluene	92	5.893	5.893	0.0	91	22541	0.9698	
77 trans-1,3-Dichloropropene	75	6.106	6.100	0.006	49	5812	1.52	
75 Ethyl methacrylate	69	6.143	6.137	0.006	47	9051	1.27	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	63	6715	0.9536	
81 Tetrachloroethene	166	6.283	6.283	0.0	66	8620	1.01	
82 1,3-Dichloropropane	76	6.374	6.368	0.006	76	14128	0.9450	
80 2-Hexanone	43	6.429	6.423	0.006	94	38202	4.48	
83 Chlorodibromomethane	129	6.544	6.544	0.0	27	4027	1.43	
84 Ethylene Dibromide	107	6.629	6.623	0.006	48	6266	0.7930	
87 Chlorobenzene	112	6.976	6.976	0.0	54	24303	0.9777	
88 Ethylbenzene	91	7.043	7.049	-0.006	88	43674	0.99	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	16	4119	1.32	
90 m-Xylene & p-Xylene	106	7.134	7.135	0.0	99	32115	1.95	
91 o-Xylene	106	7.457	7.457	0.0	86	16006	0.9667	
92 Styrene	104	7.475	7.475	0.0	83	25663	0.9138	
95 Bromoform	173	7.658	7.664	-0.006	32	2156	4.33	
94 Isopropylbenzene	105	7.737	7.737	0.0	84	38912	0.9135	
101 Bromobenzene	156	8.010	8.004	0.006	84	9248	0.9116	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	58	10907	0.8818	
99 N-Propylbenzene	91	8.065	8.071	-0.006	94	46258	0.8984	
100 1,2,3-Trichloropropane	110	8.077	8.077	0.0	40	3607	0.9395	
98 trans-1,4-Dichloro-2-butene	53	8.089	8.090	-0.001	46	13677	4.07	
103 2-Chlorotoluene	126	8.150	8.150	0.0	84	9308	0.9439	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	87	32507	0.9058	
105 4-Chlorotoluene	126	8.248	8.242	0.006	57	9326	0.9116	
106 tert-Butylbenzene	134	8.473	8.473	0.0	78	7018	0.9401	
107 1,2,4-Trimethylbenzene	105	8.515	8.515	0.0	57	32286	0.8961	
109 sec-Butylbenzene	105	8.649	8.649	0.0	82	39333	0.9027	
111 1,3-Dichlorobenzene	146	8.765	8.759	0.006	65	18752	0.9698	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	91	30989	0.8863	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	71	20153	0.9893	
115 n-Butylbenzene	91	9.105	9.106	-0.001	86	29630	0.8680	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	81	18508	0.9715	
117 1,2-Dibromo-3-Chloropropane	75	9.823	9.817	0.006	1	865	3.59	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	45	10840	0.9121	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	47	5042	0.9683	
121 Naphthalene	128	10.675	10.681	-0.006	71	23951	0.7908	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	57	9648	0.9353	
S 123 Total BTEX	1				0		5.87	
S 124 Xylenes, Total	1				0		2.91	
S 125 1,2-Dichloroethene, Total	1				0		1.90	
S 126 1,3-Dichloropropene, Total	1				0		2.91	

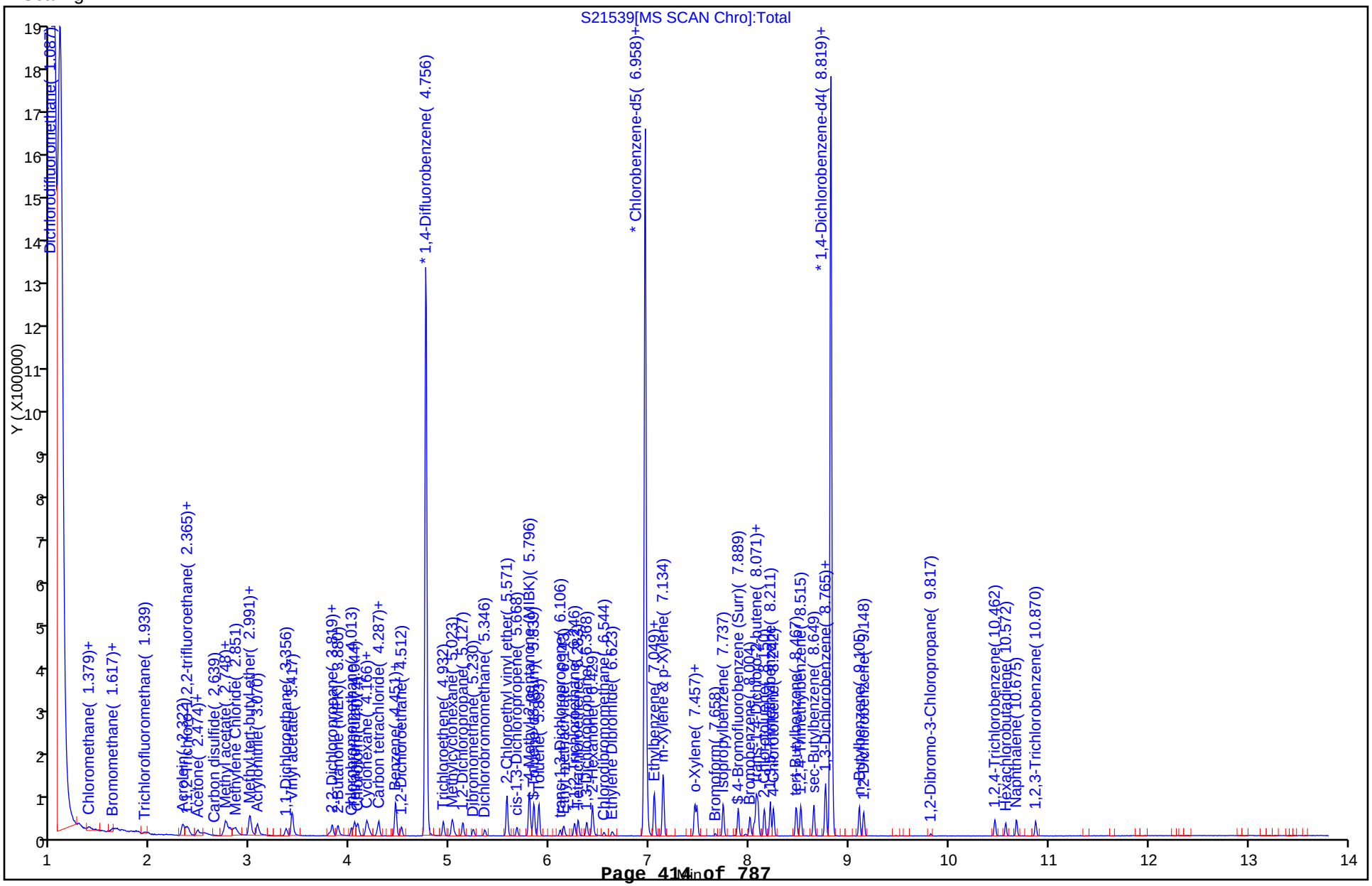
Report Date: 27-Dec-2012 10:05:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21539.D

Injection Date:	24-Dec-2012 11:33:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21540.D
Lims ID: IC 2 Client ID:
Inject. Date: 24-Dec-2012 11:55:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC 2
Misc. Info.: 480-0017830-004 =480-0017830-004
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 97278 Lims Sample ID: 4
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 10:09:34 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: fergusont Date: 27-Dec-2012 10:09:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	94	808010	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	87	414908	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	88	370030	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	53	24848	4.42	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	75	154144	4.67	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	82	47790	4.65	
10 Dichlorodifluoromethane	85	1.160	1.167	-0.006	71	37894	5.10	
12 Chloromethane	50	1.282	1.288	-0.006	86	59111	5.26	
13 Vinyl chloride	62	1.398	1.398	0.0	70	54239	5.01	
14 Bromomethane	94	1.617	1.623	-0.006	88	18403	4.98	
15 Chloroethane	64	1.714	1.720	-0.006	59	24034	5.00	
17 Trichlorofluoromethane	101	1.945	1.945	0.0	65	44130	5.00	
20 Acrolein	56	2.322	2.322	0.0	91	128927	94.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	45	35528	4.92	
22 1,1-Dichloroethene	96	2.371	2.377	-0.006	83	40232	4.65	
23 Acetone	43	2.475	2.468	0.007	95	87938	24.0	
25 Iodomethane	142	2.523	2.523	0.0	90	44593	4.86	
26 Carbon disulfide	76	2.554	2.566	-0.012	94	91072	4.45	
27 Methyl acetate	43	2.730	2.730	0.0	96	59658	4.83	
29 Acetonitrile	40	2.754	2.748	0.006	100	151880	188.3	
30 Methylene Chloride	84	2.840	2.852	-0.012	79	52692	4.71	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	91	129301	4.68	
34 trans-1,2-Dichloroethene	96	2.992	2.992	0.0	64	44290	4.81	
33 Acrylonitrile	53	3.065	3.065	0.0	98	115312	23.9	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	82	77545	4.77	
37 Vinyl acetate	43	3.417	3.417	0.0	97	428900	22.2	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	67	14826	5.94	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	66	47915	4.85	
43 2-Butanone (MEK)	43	3.874	3.868	0.006	99	148969	23.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	0.0	88	19882	4.54	
49 Tetrahydrofuran	42	4.038	4.032	0.006	90	97526	23.7	
50 Chloroform	83	4.081	4.081	0.0	68	76768	4.80	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	61	42138	4.46	
52 Cyclohexane	56	4.166	4.166	0.0	90	87040	5.05	
55 Carbon tetrachloride	117	4.275	4.275	0.0	65	27465	5.96	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	91	59424	4.79	
57 Benzene	78	4.458	4.458	0.0	96	192762	5.06	
58 1,2-Dichloroethane	62	4.513	4.512	0.001	73	65030	4.87	
62 Trichloroethene	95	4.932	4.932	0.0	90	44095	4.82	
64 Methylcyclohexane	83	5.024	5.024	0.0	91	78186	5.11	
65 1,2-Dichloropropane	63	5.133	5.127	0.006	89	45442	4.90	
67 Dibromomethane	93	5.230	5.230	0.0	81	25282	4.86	
68 Dichlorobromomethane	83	5.352	5.352	0.0	87	44271	4.33	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	92	154196	25.0	
72 cis-1,3-Dichloropropene	75	5.675	5.668	0.006	85	49177	4.09	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	295054	24.6	
74 Toluene	92	5.894	5.893	0.001	93	117414	4.92	
77 trans-1,3-Dichloropropene	75	6.106	6.100	0.006	87	37669	3.80	
75 Ethyl methacrylate	69	6.143	6.137	0.006	67	53902	4.40	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	84	33992	4.70	
81 Tetrachloroethene	166	6.289	6.283	0.006	77	43694	4.97	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	94	74373	4.84	
80 2-Hexanone	43	6.429	6.423	0.006	79	214391	24.5	
83 Chlorodibromomethane	129	6.544	6.544	0.0	81	26645	4.15	
84 Ethylene Dibromide	107	6.624	6.623	0.001	85	37003	4.56	
87 Chlorobenzene	112	6.976	6.976	0.0	84	125110	4.90	
88 Ethylbenzene	91	7.049	7.049	0.0	98	224105	4.96	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	34	27363	4.27	
90 m-Xylene & p-Xylene	106	7.135	7.135	0.001	99	169740	10.0	
91 o-Xylene	106	7.457	7.457	0.0	97	83785	4.93	
92 Styrene	104	7.475	7.475	0.0	93	137939	4.78	
95 Bromoform	173	7.664	7.664	0.0	85	13370	6.22	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	213814	4.86	
101 Bromobenzene	156	8.011	8.004	0.007	93	50135	4.79	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	79	60056	4.70	
99 N-Propylbenzene	91	8.065	8.071	-0.006	87	257571	4.84	
100 1,2,3-Trichloropropane	110	8.078	8.077	0.001	55	20348	5.13	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	72	76290	22.0	
103 2-Chlorotoluene	126	8.151	8.150	0.001	85	50014	4.91	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	92	181101	4.89	
105 4-Chlorotoluene	126	8.242	8.242	0.0	98	52389	4.96	
106 tert-Butylbenzene	134	8.473	8.473	0.0	91	37602	4.88	
107 1,2,4-Trimethylbenzene	105	8.516	8.515	0.001	56	183230	4.93	
109 sec-Butylbenzene	105	8.649	8.649	0.0	93	220981	4.91	
111 1,3-Dichlorobenzene	146	8.759	8.759	0.0	90	99909	5.00	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	95	179577	4.97	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	81	105575	5.02	
115 n-Butylbenzene	91	9.106	9.106	0.0	94	172029	4.88	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	90	96870	4.92	
117 1,2-Dibromo-3-Chloropropane	75	9.817	9.817	0.0	35	6464	5.71	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	92	58831	4.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	89	27655	5.25	
121 Naphthalene	128	10.681	10.681	0.0	96	143633	4.69	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	92	53826	5.16	
S 123 Total BTEX	1				0		29.9	
S 124 Xylenes, Total	1				0		14.9	
S 125 1,2-Dichloroethene, Total	1				0		9.66	
S 126 1,3-Dichloropropene, Total	1				0		7.89	

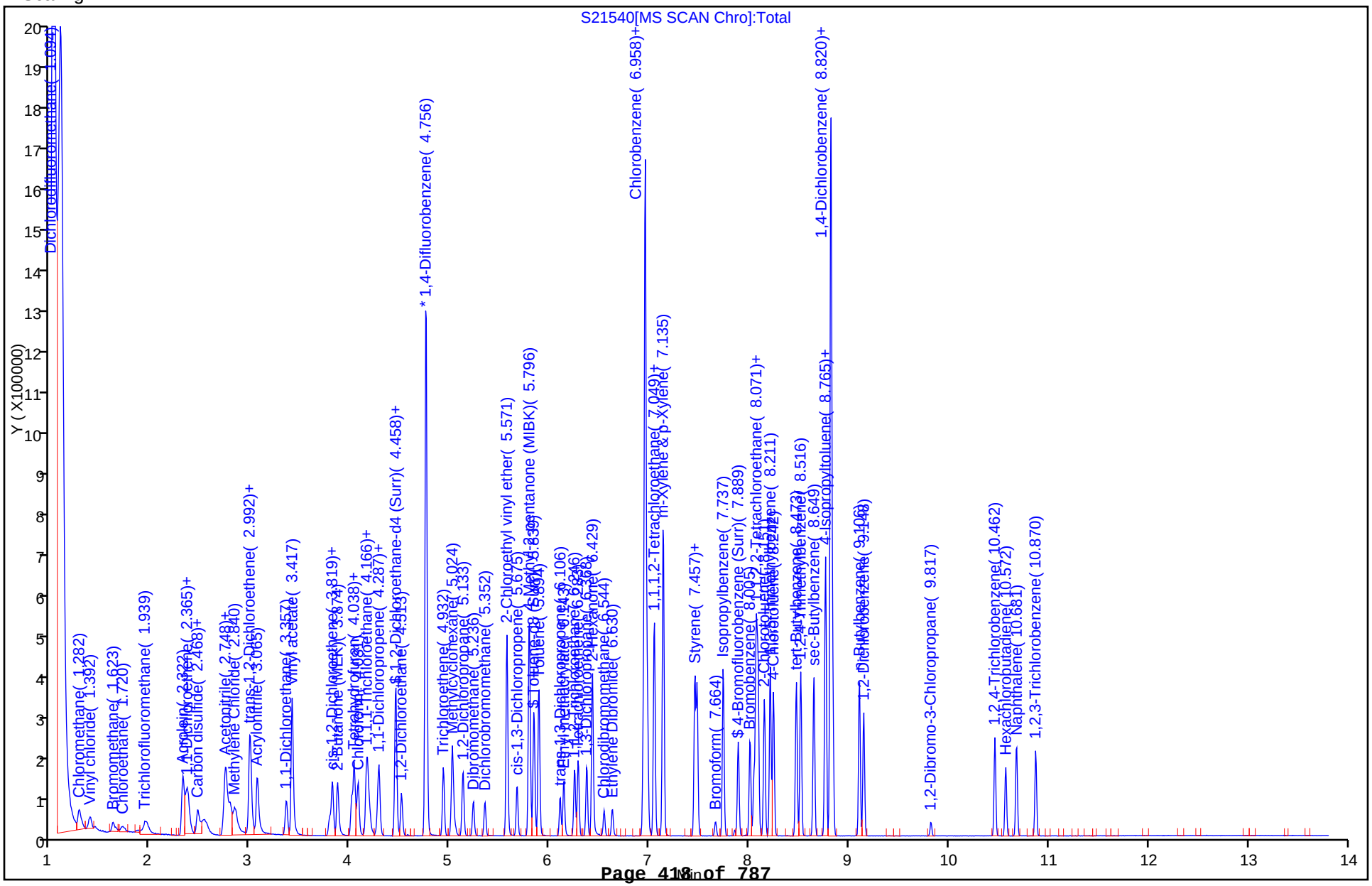
Report Date: 27-Dec-2012 10:09:35 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21540.D

Injection Date:	24-Dec-2012 11:55:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21541.D
Lims ID: IC 3 Client ID:
Inject. Date: 24-Dec-2012 12:17:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC 3
Misc. Info.: 480-0017830-005 =480-0017830-005
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 97278 Lims Sample ID: 5
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 10:10:51 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: fergusont Date: 27-Dec-2012 10:10:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	859513	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	422414	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	70	371954	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	53	57808	9.67	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	70	310350	9.24	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	96959	9.27	
10 Dichlorodifluoromethane	85	1.166	1.167	0.0	81	73414	9.29	
12 Chloromethane	50	1.282	1.288	-0.006	88	111949	9.36	
13 Vinyl chloride	62	1.391	1.398	-0.007	77	108518	9.42	
14 Bromomethane	94	1.629	1.623	0.006	88	34626	8.80	
15 Chloroethane	64	1.726	1.720	0.006	75	46500	9.09	
17 Trichlorofluoromethane	101	1.951	1.945	0.006	60	93576	9.01	
20 Acrolein	56	2.322	2.322	0.0	93	334143	229.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	51	85593	11.1	
22 1,1-Dichloroethene	96	2.371	2.377	-0.006	88	102619	11.1	
23 Acetone	43	2.474	2.468	0.006	99	204214	52.3	
25 Iodomethane	142	2.529	2.523	0.006	96	103085	10.6	
26 Carbon disulfide	76	2.560	2.566	-0.006	98	225144	10.3	
27 Methyl acetate	43	2.730	2.730	0.0	97	141873	10.8	
29 Acetonitrile	40	2.754	2.748	0.006	100	401002	463.6	
30 Methylene Chloride	84	2.852	2.852	0.0	86	121618	10.2	
32 Methyl tert-butyl ether	73	2.991	2.992	-0.001	91	306826	10.4	
34 trans-1,2-Dichloroethene	96	2.991	2.992	-0.001	61	104493	10.7	
33 Acrylonitrile	53	3.064	3.065	-0.001	98	283416	55.2	
39 1,1-Dichloroethane	63	3.356	3.357	-0.001	84	185956	10.7	
37 Vinyl acetate	43	3.417	3.417	0.0	97	1124473	54.6	
44 2,2-Dichloropropane	77	3.794	3.795	-0.001	78	39031	10.1	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	68	115121	11.0	
43 2-Butanone (MEK)	43	3.874	3.868	0.006	99	359790	54.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	-0.001	91	51140	11.0	
49 Tetrahydrofuran	42	4.038	4.032	0.006	90	238901	54.7	
50 Chloroform	83	4.080	4.081	-0.001	69	177872	10.4	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	72	89267	8.36	
52 Cyclohexane	56	4.166	4.166	0.0	84	201107	11.0	
55 Carbon tetrachloride	117	4.269	4.275	-0.006	79	62758	9.32	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	92	139287	10.6	
57 Benzene	78	4.458	4.458	0.0	96	414034	10.2	
58 1,2-Dichloroethane	62	4.512	4.512	0.0	73	143169	10.1	
62 Trichloroethene	95	4.932	4.932	0.0	94	97569	10.0	
64 Methylcyclohexane	83	5.023	5.024	-0.001	91	158270	9.71	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	91	101095	10.2	
67 Dibromomethane	93	5.230	5.230	0.0	89	54675	9.88	
68 Dichlorobromomethane	83	5.352	5.352	0.0	92	99323	8.40	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	92	318362	48.5	
72 cis-1,3-Dichloropropene	75	5.674	5.668	0.006	90	118188	8.22	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	614465	50.3	
74 Toluene	92	5.893	5.893	0.0	95	248136	10.2	
77 trans-1,3-Dichloropropene	75	6.106	6.100	0.006	90	93901	7.72	
75 Ethyl methacrylate	69	6.143	6.137	0.006	71	119329	8.84	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	85	75879	10.3	
81 Tetrachloroethene	166	6.283	6.283	0.0	73	88623	9.90	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	92	155583	9.95	
80 2-Hexanone	43	6.429	6.423	0.006	97	447341	50.2	
83 Chlorodibromomethane	129	6.544	6.544	0.0	88	58879	7.91	
84 Ethylene Dibromide	107	6.629	6.623	0.006	97	83142	10.1	
87 Chlorobenzene	112	6.976	6.976	0.0	82	258488	9.95	
88 Ethylbenzene	91	7.049	7.049	0.0	98	462656	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	35	61814	8.53	
90 m-Xylene & p-Xylene	106	7.134	7.135	0.0	99	349748	20.3	
91 o-Xylene	106	7.457	7.457	0.0	97	177650	10.3	
92 Styrene	104	7.475	7.475	0.0	96	300249	10.2	
95 Bromoform	173	7.664	7.664	0.0	95	32368	9.34	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	451298	10.2	
101 Bromobenzene	156	8.010	8.004	0.006	94	106868	10.1	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	78	128616	10.0	
99 N-Propylbenzene	91	8.071	8.071	0.0	89	537233	10.1	
100 1,2,3-Trichloropropane	110	8.077	8.077	0.0	55	40185	10.1	
98 trans-1,4-Dichloro-2-butene	53	8.089	8.090	-0.001	82	167684	48.0	
103 2-Chlorotoluene	126	8.150	8.150	0.0	94	103595	10.1	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	92	374716	10.1	
105 4-Chlorotoluene	126	8.242	8.242	0.0	98	109586	10.3	
106 tert-Butylbenzene	134	8.473	8.473	0.0	90	77972	10.1	
107 1,2,4-Trimethylbenzene	105	8.515	8.515	0.0	67	382869	10.2	
109 sec-Butylbenzene	105	8.649	8.649	0.0	94	455250	10.1	
111 1,3-Dichlorobenzene	146	8.765	8.759	0.006	72	208111	10.4	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	96	374769	10.3	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	82	213928	10.1	
115 n-Butylbenzene	91	9.105	9.106	-0.001	94	357988	10.1	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	94	202505	10.2	
117 1,2-Dibromo-3-Chloropropane	75	9.823	9.817	0.006	62	16239	9.41	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	89	122261	9.91	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	93	54359	9.70	
121 Naphthalene	128	10.681	10.681	0.0	97	305598	9.37	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	94	106617	9.60	
S 123 Total BTEX	1				0		61.0	
S 124 Xylenes, Total	1				0		30.5	
S 125 1,2-Dichloroethene, Total	1				0		21.6	
S 126 1,3-Dichloropropene, Total	1				0		15.9	

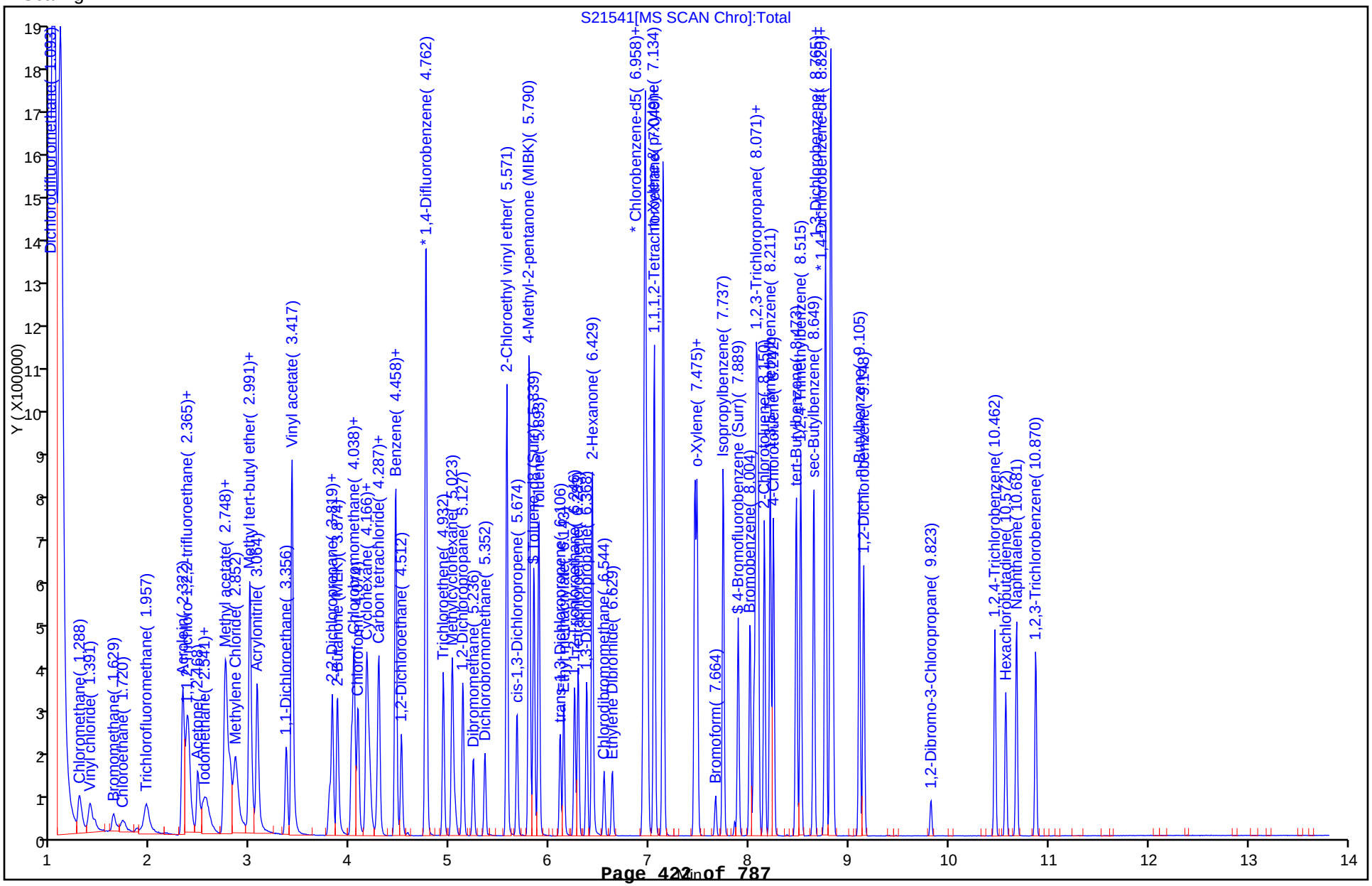
Report Date: 27-Dec-2012 10:10:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21541.D

Injection Date:	24-Dec-2012 12:17:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21542.D
Lims ID: ICIS 4 Client ID:
Inject. Date: 24-Dec-2012 12:38:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: ICIS 4
Misc. Info.: 480-0017830-006 =480-0017830-006
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 30
Lims Batch ID: 97278 Lims Sample ID: 6
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 10:04:16 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: fergusont Date: 27-Dec-2012 10:04:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	808422	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	419915	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	49	373012	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	55	146259	26.0	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	81	896217	26.8	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	80	256719	24.7	
10 Dichlorodifluoromethane	85	1.167	1.167	0.0	86	195389	26.3	
12 Chloromethane	50	1.288	1.288	0.0	89	290991	25.9	
13 Vinyl chloride	62	1.398	1.398	0.0	79	271134	25.0	
14 Bromomethane	94	1.623	1.623	0.0	89	90258	24.4	
15 Chloroethane	64	1.720	1.720	0.0	94	121221	25.2	
17 Trichlorofluoromethane	101	1.945	1.945	0.0	83	255061	25.4	
20 Acrolein	56	2.322	2.322	0.0	98	687539	502.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	55	183206	25.3	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	89	214559	24.8	
23 Acetone	43	2.468	2.468	0.0	99	451390	122.9	
25 Iodomethane	142	2.523	2.523	0.0	97	225589	24.6	
26 Carbon disulfide	76	2.566	2.566	0.0	98	527811	25.8	
27 Methyl acetate	43	2.730	2.730	0.0	96	305245	24.7	
29 Acetonitrile	40	2.748	2.748	0.0	99	800252	991.9	
30 Methylene Chloride	84	2.852	2.852	0.0	85	256208	22.9	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	90	685455	24.8	
34 trans-1,2-Dichloroethene	96	2.992	2.992	0.0	59	226318	24.6	
33 Acrylonitrile	53	3.065	3.065	0.0	97	591861	122.7	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	85	398488	24.5	
37 Vinyl acetate	43	3.417	3.417	0.0	97	2556901	132.0	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	86	98039	21.8	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	70	245850	24.9	
43 2-Butanone (MEK)	43	3.868	3.868	0.0	99	783009	125.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	0.0	91	109863	25.1	
49 Tetrahydrofuran	42	4.032	4.032	0.0	92	516736	125.7	
50 Chloroform	83	4.081	4.081	0.0	68	397141	24.8	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	82	249934	23.5	
52 Cyclohexane	56	4.166	4.166	0.0	88	422465	24.5	
55 Carbon tetrachloride	117	4.275	4.275	0.0	72	182326	22.5	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	95	309452	24.9	
57 Benzene	78	4.458	4.458	0.0	97	949095	24.9	
58 1,2-Dichloroethane	62	4.512	4.512	0.0	73	338596	25.3	
62 Trichloroethene	95	4.932	4.932	0.0	94	230569	25.2	
64 Methylcyclohexane	83	5.024	5.024	0.0	92	384129	25.1	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	92	237620	25.6	
67 Dibromomethane	93	5.230	5.230	0.0	90	137244	26.4	
68 Dichlorobromomethane	83	5.352	5.352	0.0	92	273996	23.4	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	91	808109	130.9	
72 cis-1,3-Dichloropropene	75	5.668	5.668	0.0	88	336991	23.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	1567165	128.8	
74 Toluene	92	5.893	5.893	0.0	95	603529	25.0	
77 trans-1,3-Dichloropropene	75	6.100	6.100	0.0	92	296116	22.1	
75 Ethyl methacrylate	69	6.137	6.137	0.0	72	332310	23.7	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	86	186966	25.5	
81 Tetrachloroethene	166	6.283	6.283	0.0	77	220341	24.7	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	92	394274	25.4	
80 2-Hexanone	43	6.423	6.423	0.0	97	1178934	132.9	
83 Chlorodibromomethane	129	6.544	6.544	0.0	89	181161	22.5	
84 Ethylene Dibromide	107	6.623	6.623	0.0	98	217510	26.5	
87 Chlorobenzene	112	6.976	6.976	0.0	84	647978	25.1	
88 Ethylbenzene	91	7.049	7.049	0.0	98	1139988	24.9	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	37	180408	23.5	
90 m-Xylene & p-Xylene	106	7.135	7.135	0.0	99	862883	50.3	
91 o-Xylene	106	7.457	7.457	0.0	97	427963	24.9	
92 Styrene	104	7.475	7.475	0.0	95	745958	25.6	
95 Bromoform	173	7.664	7.664	0.0	96	106579	21.8	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	1110446	25.0	
101 Bromobenzene	156	8.004	8.004	0.0	97	267065	25.3	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	79	327308	25.4	
99 N-Propylbenzene	91	8.071	8.071	0.0	89	1357665	25.3	
100 1,2,3-Trichloropropane	110	8.077	8.077	0.0	57	101168	25.3	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	90	469152	134.0	
103 2-Chlorotoluene	126	8.150	8.150	0.0	95	257057	25.0	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	74	938634	25.1	
105 4-Chlorotoluene	126	8.242	8.242	0.0	99	266493	25.0	
106 tert-Butylbenzene	134	8.473	8.473	0.0	92	194645	25.0	
107 1,2,4-Trimethylbenzene	105	8.515	8.515	0.0	68	954270	25.4	
109 sec-Butylbenzene	105	8.649	8.649	0.0	94	1147591	25.3	
111 1,3-Dichlorobenzene	146	8.759	8.759	0.0	87	505802	25.1	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	94	931990	25.6	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	93	523324	24.7	
115 n-Butylbenzene	91	9.106	9.106	0.0	95	905914	25.5	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	91	494498	24.9	
117 1,2-Dibromo-3-Chloropropane	75	9.817	9.817	0.0	69	50814	22.5	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	94	304151	24.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	96	128779	24.4	
121 Naphthalene	128	10.681	10.681	0.0	97	808057	26.4	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	93	259044	24.8	
S 123 Total BTEX	1				0		150.0	
S 124 Xylenes, Total	1				0		75.2	
S 125 1,2-Dichloroethene, Total	1				0		49.4	
S 126 1,3-Dichloropropene, Total	1				0		45.4	

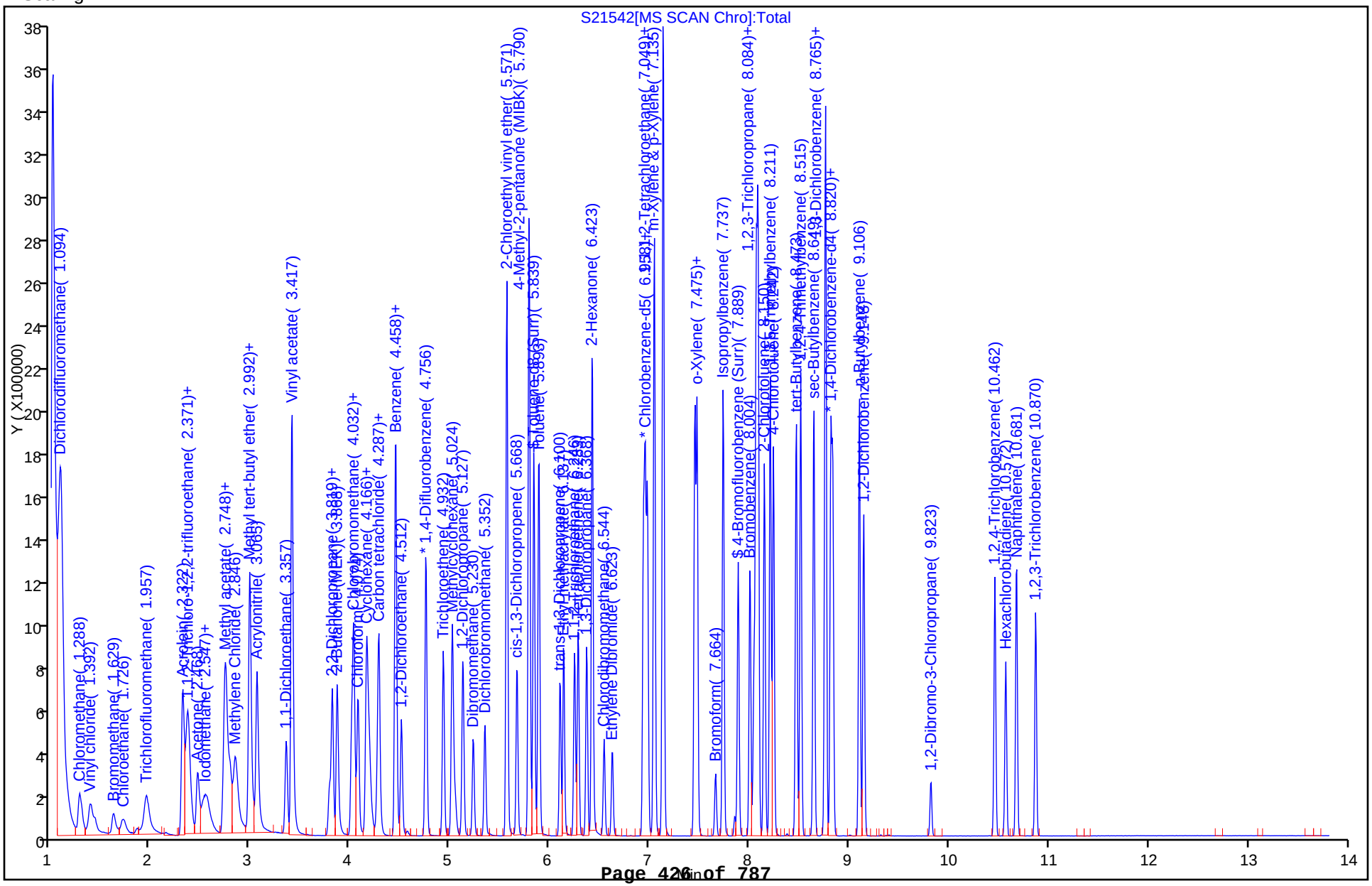
Report Date: 27-Dec-2012 10:04:16 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21542.D

Injection Date:	24-Dec-2012 12:38:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21543.D		
Lims ID:	IC 5	Client ID:	
Inject. Date:	24-Dec-2012 13:00:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 5		
Misc. Info.:	480-0017830-007 =480-0017830-007		
Operator:	LH	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	31
Lims Batch ID:	97278	Lims Sample ID:	7
Sublist:	chrom-S-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m		
Last Update:	27-Dec-2012 10:11:15	Calib Date:	24-Dec-2012 17:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK034		
First Level Reviewer: fergusont		Date:	27-Dec-2012 10:11:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	828338	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	430739	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	39	364018	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	54	278612	48.4	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	80	1684302	49.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	509136	47.8	
10 Dichlorodifluoromethane	85	1.167	1.167	0.001	87	404655	53.1	
12 Chloromethane	50	1.294	1.288	0.006	89	581932	50.5	
13 Vinyl chloride	62	1.404	1.398	0.006	66	583002	52.5	
14 Bromomethane	94	1.629	1.623	0.006	89	185100	48.8	
15 Chloroethane	64	1.726	1.720	0.006	95	268186	54.4	
17 Trichlorofluoromethane	101	1.957	1.945	0.012	79	544771	51.5	
20 Acrolein	56	2.322	2.322	0.0	100	1314363	936.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.371	2.365	0.006	54	354943	47.9	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	88	452489	51.0	
23 Acetone	43	2.468	2.468	0.0	100	869306	231.1	
25 Iodomethane	142	2.529	2.523	0.006	97	448058	47.7	
26 Carbon disulfide	76	2.566	2.566	0.0	97	1107569	52.7	
27 Methyl acetate	43	2.730	2.730	0.0	97	601011	47.5	
29 Acetonitrile	40	2.754	2.748	0.006	99	1500435	1799.9	
30 Methylene Chloride	84	2.846	2.852	-0.006	85	516780	45.1	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	90	1417355	50.0	
34 trans-1,2-Dichloroethene	96	2.998	2.992	0.006	61	474493	50.3	
33 Acrylonitrile	53	3.065	3.065	0.0	98	1170477	236.7	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	85	838874	50.3	
37 Vinyl acetate	43	3.417	3.417	0.0	97	5304021	267.2	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	92	240257	47.7	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	69	510488	50.4	
43 2-Butanone (MEK)	43	3.868	3.868	0.0	100	1542979	240.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	0.0	92	227163	50.6	
49 Tetrahydrofuran	42	4.032	4.032	0.0	90	1017748	241.7	
50 Chloroform	83	4.081	4.081	0.0	69	826731	50.4	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	83	559615	50.8	
52 Cyclohexane	56	4.172	4.166	0.006	84	858225	48.6	
55 Carbon tetrachloride	117	4.275	4.275	0.0	79	433669	48.2	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	93	650318	51.1	
57 Benzene	78	4.458	4.458	0.0	96	1956274	50.1	
58 1,2-Dichloroethane	62	4.513	4.512	0.001	73	698209	50.9	
62 Trichloroethene	95	4.932	4.932	0.0	94	486015	51.8	
64 Methylcyclohexane	83	5.024	5.024	0.0	92	798051	50.8	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	93	495553	52.1	
67 Dibromomethane	93	5.236	5.230	0.006	87	286687	53.8	
68 Dichlorobromomethane	83	5.352	5.352	0.0	93	613243	50.3	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	91	1633958	258.2	
72 cis-1,3-Dichloropropene	75	5.674	5.668	0.006	89	764641	50.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	3140004	251.8	
74 Toluene	92	5.893	5.893	0.0	95	1269479	51.2	
77 trans-1,3-Dichloropropene	75	6.106	6.100	0.006	90	711020	50.3	
75 Ethyl methacrylate	69	6.137	6.137	0.0	72	725940	49.7	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	86	385695	51.4	
81 Tetrachloroethene	166	6.289	6.283	0.006	79	465468	51.0	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	93	827449	51.9	
80 2-Hexanone	43	6.423	6.423	0.0	80	2331806	256.4	
83 Chlorodibromomethane	129	6.544	6.544	0.0	89	420959	49.9	
84 Ethylene Dibromide	107	6.630	6.623	0.007	100	465862	55.3	
87 Chlorobenzene	112	6.982	6.976	0.006	93	1357339	51.2	
88 Ethylbenzene	91	7.049	7.049	0.0	99	2389145	50.9	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	37	402731	50.3	
90 m-Xylene & p-Xylene	106	7.141	7.135	0.007	99	1798511	102.2	
91 o-Xylene	106	7.457	7.457	0.0	98	903206	51.2	
92 Styrene	104	7.475	7.475	0.0	95	1561822	52.2	
95 Bromoform	173	7.664	7.664	0.0	96	264104	47.1	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	2348836	54.3	
101 Bromobenzene	156	8.011	8.004	0.007	95	558819	54.2	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	78	697816	55.5	
99 N-Propylbenzene	91	8.071	8.071	0.0	89	2884685	55.2	
100 1,2,3-Trichloropropane	110	8.077	8.077	0.0	57	204806	52.5	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	90	983601	287.9	
103 2-Chlorotoluene	126	8.151	8.150	0.0	95	533424	53.3	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	93	1990315	54.6	
105 4-Chlorotoluene	126	8.242	8.242	0.0	98	548685	52.8	
106 tert-Butylbenzene	134	8.473	8.473	0.0	92	404325	53.3	
107 1,2,4-Trimethylbenzene	105	8.516	8.515	0.001	68	1934897	52.9	
109 sec-Butylbenzene	105	8.649	8.649	0.0	94	2366143	53.5	
111 1,3-Dichlorobenzene	146	8.759	8.759	0.0	91	1001407	51.0	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	94	1869069	52.6	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	93	1055137	51.0	
115 n-Butylbenzene	91	9.106	9.106	0.0	95	1878876	54.2	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	91	993038	51.3	
117 1,2-Dibromo-3-Chloropropane	75	9.823	9.817	0.006	81	116407	48.4	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	93	650356	53.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	96	273383	50.6	
121 Naphthalene	128	10.681	10.681	0.0	97	1731677	55.1	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	93	541621	50.6	
S 123 Total BTEX	1				0		305.6	
S 124 Xylenes, Total	1				0		153.4	
S 125 1,2-Dichloroethene, Total	1				0		100.7	
S 126 1,3-Dichloropropene, Total	1				0		100.8	

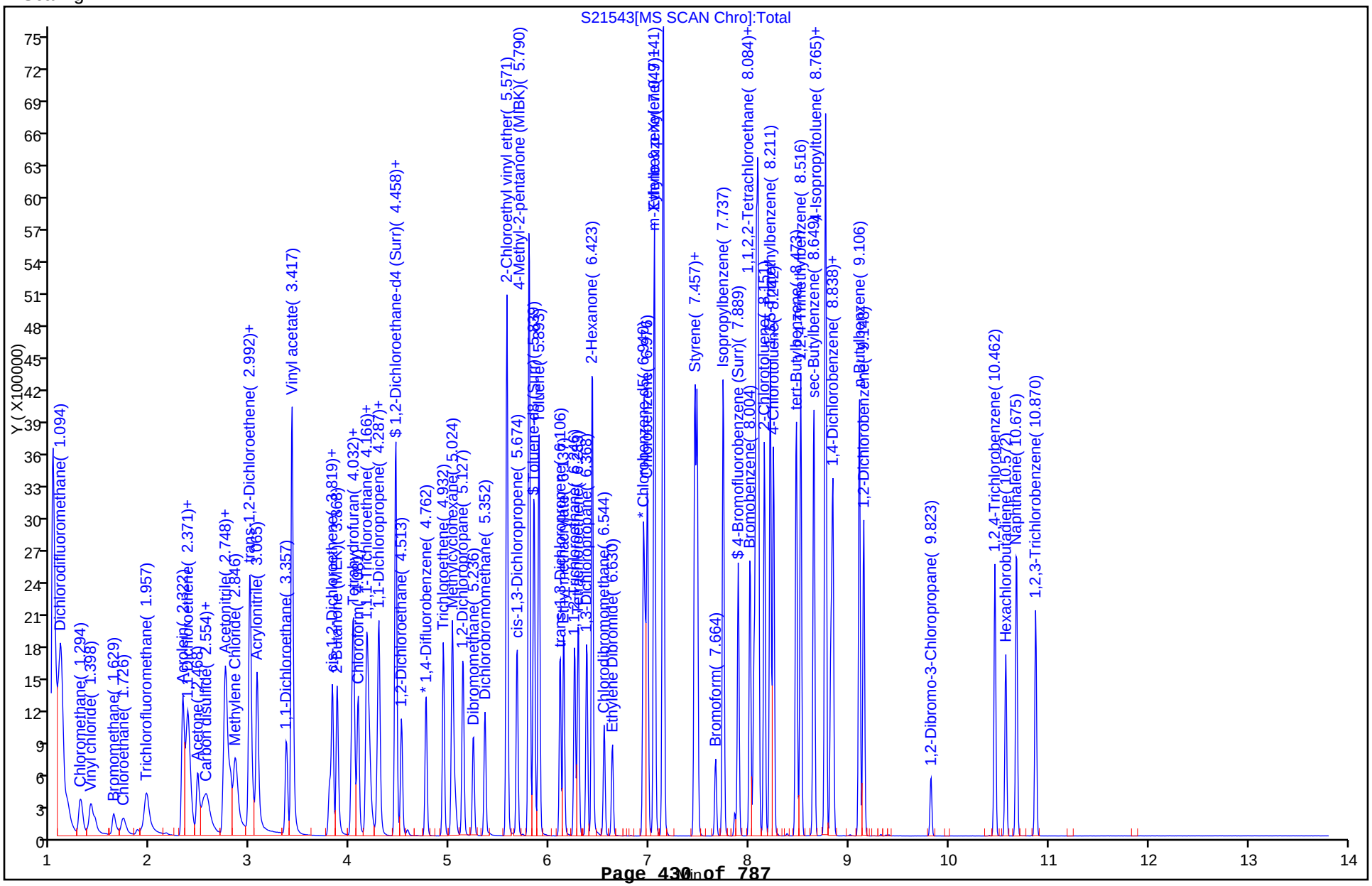
Report Date: 27-Dec-2012 10:11:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21543.D

Injection Date:	24-Dec-2012 13:00:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21544.D
Lims ID: IC 6 Client ID:
Inject. Date: 24-Dec-2012 13:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: IC 6
Misc. Info.: 480-0017830-008 =480-0017830-008
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 32
Lims Batch ID: 97278 Lims Sample ID: 8
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 10:11:55 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK034

First Level Reviewer: fergusont Date: 27-Dec-2012 10:11:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	809878	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	87	416086	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	7	375486	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	53	513539	91.2	
$ 5 Toluene-d8 (Surr)	98	5.845	5.839	0.006	81	3045388	92.0	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	83	945717	91.8	
10 Dichlorodifluoromethane	85	1.166	1.167	0.0	88	811619	109.0	
12 Chloromethane	50	1.294	1.288	0.006	89	1115116	98.9	
13 Vinyl chloride	62	1.404	1.398	0.006	67	1174222	108.2	
14 Bromomethane	94	1.629	1.623	0.006	90	393002	106.0	
15 Chloroethane	64	1.726	1.720	0.006	95	554399	115.0	
17 Trichlorofluoromethane	101	1.945	1.945	0.0	86	1130006	103.4	
20 Acrolein	56	2.322	2.322	0.0	98	2898969	2113.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.371	2.365	0.006	57	744124	102.7	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	88	914246	105.4	
23 Acetone	43	2.468	2.468	0.0	99	1861797	506.3	
25 Iodomethane	142	2.529	2.523	0.006	97	935048	101.8	
26 Carbon disulfide	76	2.566	2.566	0.0	97	2410301	117.4	
27 Methyl acetate	43	2.724	2.730	-0.006	98	1267915	102.4	
29 Acetonitrile	40	2.748	2.748	0.0	99	3224531	3956.3	
30 Methylene Chloride	84	2.852	2.852	0.0	85	1050489	93.8	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	90	3024767	109.1	
34 trans-1,2-Dichloroethene	96	2.992	2.992	0.0	57	932258	101.0	
33 Acrylonitrile	53	3.065	3.065	0.0	98	2477199	512.5	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	85	1697895	104.1	
37 Vinyl acetate	43	3.417	3.417	0.0	97	10891166	561.2	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	92	520187	101.9	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	69	996475	100.6	
43 2-Butanone (MEK)	43	3.868	3.868	0.0	100	3135702	500.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	0.0	92	440545	100.3	
49 Tetrahydrofuran	42	4.032	4.032	0.0	89	2019156	490.4	
50 Chloroform	83	4.081	4.081	-0.001	70	1597515	99.5	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	87	877335	92.0	
52 Cyclohexane	56	4.166	4.166	0.0	84	1717871	99.5	
55 Carbon tetrachloride	117	4.275	4.275	0.0	78	924239	101.5	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	93	1245096	100.1	
57 Benzene	78	4.458	4.458	0.0	96	3735156	97.8	
58 1,2-Dichloroethane	62	4.512	4.512	0.0	73	1338200	99.9	
62 Trichloroethene	95	4.932	4.932	0.0	94	934786	102.0	
64 Methylcyclohexane	83	5.023	5.024	-0.001	92	1588263	103.5	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	93	961876	103.4	
67 Dibromomethane	93	5.230	5.230	0.0	86	565086	108.4	
68 Dichlorobromomethane	83	5.352	5.352	0.0	94	1240771	103.3	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	91	3156967	510.3	
72 cis-1,3-Dichloropropene	75	5.674	5.668	0.006	91	1542268	103.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.796	5.790	0.006	96	6046315	502.0	
74 Toluene	92	5.893	5.893	0.0	95	2398554	100.2	
77 trans-1,3-Dichloropropene	75	6.106	6.100	0.006	90	1459052	105.6	
75 Ethyl methacrylate	69	6.143	6.137	0.006	71	1463770	103.1	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	86	742895	102.5	
81 Tetrachloroethene	166	6.289	6.283	0.006	84	883338	100.1	
82 1,3-Dichloropropane	76	6.374	6.368	0.006	91	1596210	103.7	
80 2-Hexanone	43	6.429	6.423	0.006	79	4532343	516.0	
83 Chlorodibromomethane	129	6.544	6.544	0.0	88	864536	105.1	
84 Ethylene Dibromide	107	6.630	6.623	0.007	98	912925	112.2	
87 Chlorobenzene	112	6.982	6.976	0.006	92	2608969	101.9	
88 Ethylbenzene	91	7.049	7.049	0.0	99	4519360	99.7	
89 1,1,1,2-Tetrachloroethane	131	7.055	7.049	0.006	41	803470	103.1	
90 m-Xylene & p-Xylene	106	7.141	7.135	0.007	99	3339296	196.5	
91 o-Xylene	106	7.457	7.457	0.0	98	1711929	100.4	
92 Styrene	104	7.481	7.475	0.006	95	3012114	104.1	
95 Bromoform	173	7.664	7.664	0.0	96	581381	102.2	
94 Isopropylbenzene	105	7.743	7.737	0.006	96	4488988	100.6	
101 Bromobenzene	156	8.010	8.004	0.006	95	1083982	102.0	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	78	1358631	104.8	
99 N-Propylbenzene	91	8.071	8.071	0.0	89	5452560	101.1	
100 1,2,3-Trichloropropane	110	8.077	8.077	0.0	50	387018	96.2	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	89	1978196	561.4	
103 2-Chlorotoluene	126	8.156	8.150	0.006	95	1027910	99.5	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	92	3810599	101.3	
105 4-Chlorotoluene	126	8.248	8.242	0.006	98	1079745	100.7	
106 tert-Butylbenzene	134	8.473	8.473	0.0	86	789680	101.0	
107 1,2,4-Trimethylbenzene	105	8.515	8.515	0.0	67	3836704	101.7	
109 sec-Butylbenzene	105	8.649	8.649	0.0	94	4687273	102.7	
111 1,3-Dichlorobenzene	146	8.765	8.759	0.006	74	1957913	96.7	
110 4-Isopropyltoluene	119	8.771	8.765	0.006	94	3697555	100.9	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	92	2108010	98.8	
115 n-Butylbenzene	91	9.106	9.106	0.0	95	3726848	104.2	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	94	1987194	99.6	
117 1,2-Dibromo-3-Chloropropane	75	9.817	9.817	0.0	80	261293	101.4	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	91	1341076	107.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	96	541055	102.4	
121 Naphthalene	128	10.681	10.681	0.0	97	3622029	117.9	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	94	1119752	107.0	
S 123 Total BTEX	1				0		594.5	
S 124 Xylenes, Total	1				0		296.9	
S 125 1,2-Dichloroethene, Total	1				0		201.6	
S 126 1,3-Dichloropropene, Total	1				0		209.0	

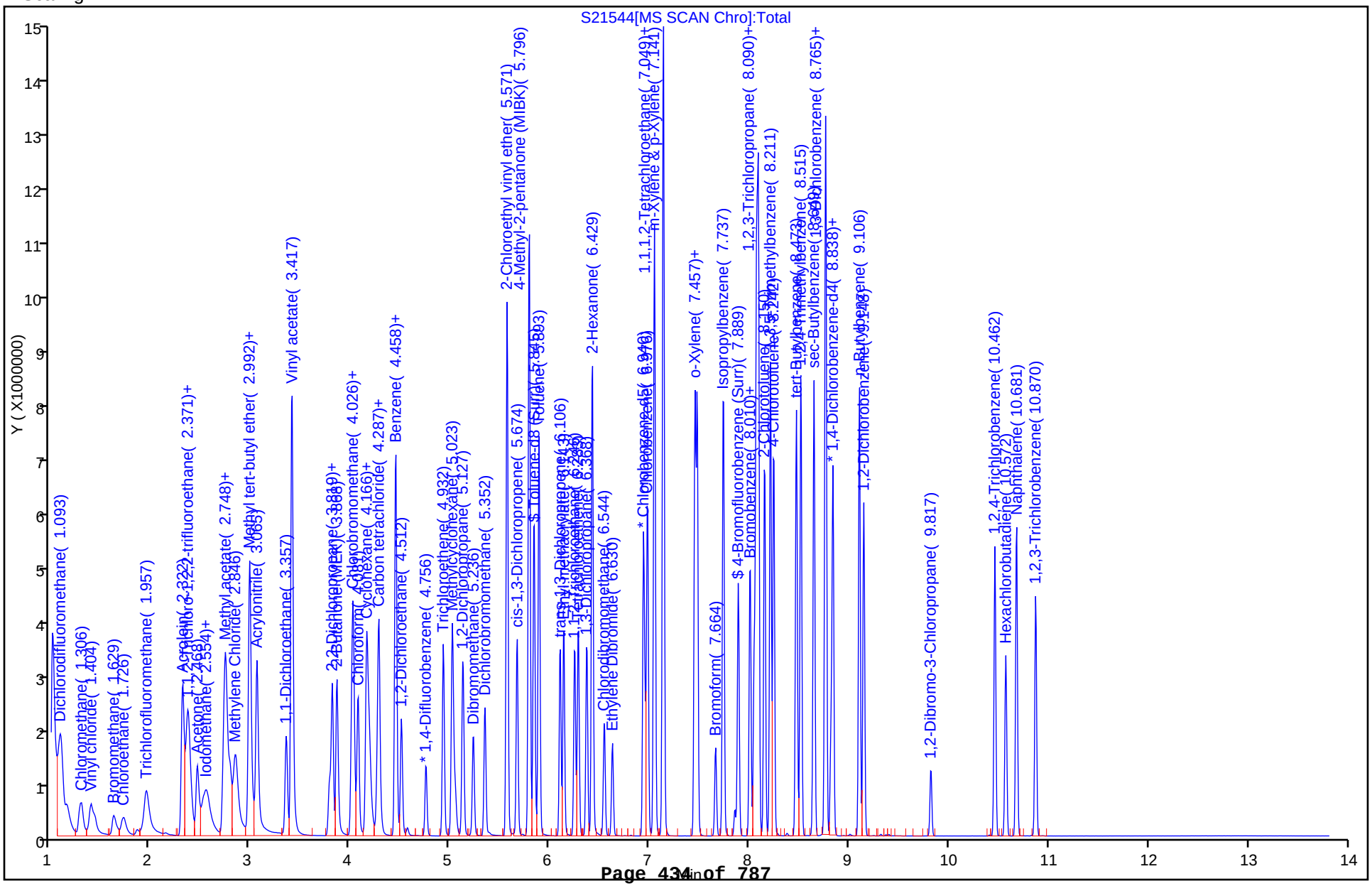
Report Date: 27-Dec-2012 10:11:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21544.D

Injection Date:	24-Dec-2012 13:22:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 15:32 Calibration End Date: 12/24/2012 17:20 Calibration ID: 11765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-97278/14	S21550.D
Level 2	IC 480-97278/15	S21551.D
Level 3	IC 480-97278/16	S21552.D
Level 4	IC 480-97278/17	S21553.D
Level 5	IC 480-97278/18	S21554.D
Level 6	IC 480-97278/19	S21555.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								
Chlorodifluoromethane	0.1556 0.2632	0.1455	0.1997	0.2155	0.2475	Lin1	-0.210	0.2525							0.9920		0.9900
Dichlorofluoromethane	0.3884 0.4159	0.3596	0.4281	0.4250	0.4423	Ave		0.4099				7.4		15.0			
Ethyl ether	0.2776 0.2765	0.2608	0.2970	0.2990	0.2959	Ave		0.2845				5.4		15.0			
Isopropyl alcohol	0.0219 0.0292	0.0243	0.0243	0.0257	0.0343	Lin	-0.334	0.0302							0.9900		0.9900
Allyl chloride	0.2849 0.3434	0.3448	0.3749	0.3513	0.4262	Ave		0.3543				13.0		15.0			
2-Methyl-2-propanol	0.0378 0.0478	0.0379	0.0430	0.0435	0.0489	Ave		0.0431				11.0		15.0			
Hexane	0.3776 0.4293	0.4547	0.4345	0.4519	0.4764	Ave		0.4374				7.7		15.0			
Isopropyl ether	1.0460 1.0844	1.1046	1.1153	1.0991	1.1265	Ave		1.0960				2.6		15.0			
Chloroprene	0.4112 0.4849	0.4381	0.4867	0.4889	0.5119	Ave		0.4703				8.0		15.0			
1,1-Dimethoxyethane	0.0240 0.0420	0.0288	0.0318	0.0342	0.0389	Lin1	-0.150	0.0402							0.9940		0.9900
Tert-butyl ethyl ether	0.7953 0.9430	0.8482	0.8583	0.9082	0.9521	Ave		0.8842				6.9		15.0			
Ethyl acetate	0.3228 0.3844	0.3694	0.3805	0.3837	0.4046	Ave		0.3742				7.4		15.0			
Propionitrile	0.0606 0.0600	0.0622	0.0634	0.0610	0.0635	Ave		0.0618				2.4		15.0			
Methacrylonitrile	0.2328 0.2317	0.2486	0.2533	0.2443	0.2483	Ave		0.2432				3.7		15.0			
Isobutyl alcohol	0.0127 0.0202	0.0148	0.0168	0.0174	0.0209	Lin1	-0.512	0.0200							0.9960		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 15:32 Calibration End Date: 12/24/2012 17:20 Calibration ID: 11765

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								
Tert-amyl methyl ether	0.6471 0.7547	0.7058	0.7091	0.7548	0.7876	Ave		0.7265				6.8		15.0			
n-Heptane	0.4047 0.4182	0.4914	0.4483	0.4756	0.4896	Ave		0.4546				8.2		15.0			
n-Butanol	0.0067 0.0134	0.0091	0.0102	0.0113	0.0135	Lin1	-0.436	0.0132							0.9950		0.9900
Methyl methacrylate	0.2970 0.3239	0.2955	0.3121	0.3274	0.3466	Ave		0.3171				6.2		15.0			
1,4-Dioxane	0.0082 0.0081	0.0087	0.0083	0.0076	0.0087	Ave		0.0083				5.2		15.0			
2-Nitropropane	0.0633 0.1587	0.0856	0.0836	0.1085	0.1406	Lin	-3.282	0.1616							0.9940		0.9900
Epichlorohydrin	0.0353 0.0410	0.0392	0.0416	0.0435	0.0449	Ave		0.0409				8.3		15.0			
2-Methylthiophene	2.0585 2.0429	2.6114	2.3049	2.3339	2.3521	Ave		2.2839				9.3		15.0			
3-Methylthiophene	2.2138 2.0016	2.5155	2.3386	2.2536	2.2951	Ave		2.2697				7.4		15.0			
3-Chlorobenzotrifluoride	0.8107 0.8948	0.9173	0.9117	0.9397	0.9692	Ave		0.9072				5.9		15.0			
p-Monochlorobenzotrifluoride	0.8489 0.8837	0.9243	0.9145	0.9591	0.9627	Ave		0.9155				4.8		15.0			
2-Chlorobenzotrifluoride	0.8216 0.9249	0.9222	0.9010	0.9551	0.9735	Ave		0.9164				5.8		15.0			
Cyclohexanone	0.0583 0.0666	0.0621	0.0694	0.0668	0.0676	Ave		0.0651				6.3		15.0			
3-Chlorotoluene	0.6578 0.7337	0.7300	0.7453	0.7693	0.7780	Ave		0.7357				5.8		15.0			
Pentachloroethane	0.1375 0.2704	0.1562	0.1820	0.2004	0.2430	Lin	-0.899	0.2740							0.9960		0.9900
Dicyclopentadiene	3.0099 2.9347	3.0107	2.9967	3.0557	3.1274	Ave		3.0225				2.1		15.0			
1,2,3-Trimethylbenzene	2.4193 2.6391	2.7674	2.7903	2.7792	2.8078	Ave		2.7005				5.6		15.0			
1,3,5-Trichlorobenzene	0.8835 0.9906	0.9853	0.9976	1.0192	1.0473	Ave		0.9873				5.6		15.0			
Propene oxide	0.0881 0.0798	0.0874	0.0878	0.0873	0.1023	Ave		0.0888				8.3		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 15:32 Calibration End Date: 12/24/2012 17:20 Calibration ID: 11765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-97278/14	S21550.D
Level 2	IC 480-97278/15	S21551.D
Level 3	IC 480-97278/16	S21552.D
Level 4	IC 480-97278/17	S21553.D
Level 5	IC 480-97278/18	S21554.D
Level 6	IC 480-97278/19	S21555.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
Chlorodifluoromethane	DFB	Lin1	4982 824409	27136	64694	174950	401897	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	DFB	Ave	12437 1302579	67070	138678	344996	718109	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	DFB	Ave	8890 865874	48648	96216	242727	480524	1.00 100	5.00	10.0	25.0	50.0
Isopropyl alcohol	DFB	Lin	14026 1827996	90810	157589	417925	1115394	20.0 2000	100	200	500	1000
Allyl chloride	DFB	Ave	9124 1075551	64309	121427	285203	691938	1.00 100	5.00	10.0	25.0	50.0
2-Methyl-2-propanol	DFB	Ave	24190 2992133	141449	278528	705842	1588439	20.0 2000	100	200	500	1000
Hexane	DFB	Ave	12093 1344505	84819	140738	366847	773453	1.00 100	5.00	10.0	25.0	50.0
Isopropyl ether	DFB	Ave	33495 3396069	206032	361245	892252	1829062	1.00 100	5.00	10.0	25.0	50.0
Chloroprene	DFB	Ave	13168 1518717	81721	157635	396862	831150	1.00 100	5.00	10.0	25.0	50.0
1,1-Dimethoxyethane	DFB	Lin1	3845 657967	26821	51477	138960	315906	5.00 500	25.0	50.0	125	250
Tert-butyl ethyl ether	DFB	Ave	25467 2953333	158213	278006	737251	1545877	1.00 100	5.00	10.0	25.0	50.0
Ethyl acetate	DFB	Ave	10338 1203923	68900	123247	311495	656930	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	19412 1877740	116068	205294	495206	1031702	10.0 1000	50.0	100	250	500
Methacrylonitrile	DFB	Ave	7455 725751	46362	82040	198317	403101	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	DFB	Lin1	16285 2525943	110229	217048	565854	1358098	40.0 4000	200	400	1000	2000
Tert-amyl methyl ether	DFB	Ave	20723 2363390	131649	229695	612729	1278870	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 97278

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/24/2012 15:32 Calibration End Date: 12/24/2012 17:20 Calibration ID: 11765

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
n-Heptane	DFB	Ave	12961 1309597	91662	145219	386121	794896	1.00 100	5.00	10.0	25.0	50.0
n-Butanol	DFB	Lin1	8546 1680265	67827	132750	366702	879343	40.0 4000	200	400	1000	2000
Methyl methacrylate	DFB	Ave	9510 1014287	55118	101094	265797	562821	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	5338 524849	28666	54924	125824	287658	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	Lin	4376 1106103	30284	59492	196796	513496	5.00 500	25.0	50.0	125	250
Epichlorohydrin	DFB	Ave	22624 2566526	146164	269717	706914	1456909	20.0 2000	100	200	500	1000
2-Methylthiophene	DCB	Ave	28446 2848123	184839	328000	847005	1718073	1.00 100	5.00	10.0	25.0	50.0
3-Methylthiophene	DCB	Ave	30593 2790454	178051	332798	817885	1676428	1.00 100	5.00	10.0	25.0	50.0
3-Chlorobenzotrifluoride	DCB	Ave	11203 1247439	64931	129748	341048	707946	1.00 100	5.00	10.0	25.0	50.0
p-Monochlorobenzotrifluoride	DCB	Ave	11731 1231987	65420	130147	348091	703195	1.00 100	5.00	10.0	25.0	50.0
2-Chlorobenzotrifluoride	DCB	Ave	11353 1289429	65276	128223	346635	711121	1.00 100	5.00	10.0	25.0	50.0
Cyclohexanone	DCB	Ave	8056 928879	43953	98818	242286	493787	10.0 1000	50.0	100	250	500
3-Chlorotoluene	DCB	Ave	9090 1022829	51671	106068	279186	568317	1.00 100	5.00	10.0	25.0	50.0
Pentachloroethane	DCB	Lin	1900 376930	11057	25906	72724	177483	1.00 100	5.00	10.0	25.0	50.0
Dicyclopentadiene	DCB	Ave	41594 4091446	213101	426459	1108980	2284392	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	33432 3679234	195879	397082	1008623	2050956	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	12209 1381085	69741	141972	369888	765029	1.00 100	5.00	10.0	25.0	50.0
Propene oxide	DFB	Ave	14114 1248813	81463	142241	354477	830749	5.00 500	25.0	50.0	125	250

Curve Type Legend:

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

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21550.D
Lims ID: IC 7 Client ID:
Inject. Date: 24-Dec-2012 15:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: IC 7
Misc. Info.: 480-0017830-014 =480-0017830-014
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 38
Lims Batch ID: 97278 Lims Sample ID: 14
Sublist: chrom-S-8260*sub13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 18:18:24 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: fergusont Date: 27-Dec-2012 10:47:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	95	800575	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	406849	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	96	345475	25.0	
11 Chlorodifluoromethane	51	1.203	1.197	0.006	8	4982	1.45	
16 Dichlorofluoromethane	67	1.927	1.921	0.006	24	12437	0.9477	
18 Ethyl ether	59	2.158	2.152	0.006	75	8890	0.9760	
19 Propene oxide	58	2.237	2.231	0.006	76	14114	4.96	
24 Isopropyl alcohol	45	2.651	2.639	0.012	72	14026	24.3	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	60	9124	1.55	
31 2-Methyl-2-propanol	59	2.973	2.967	0.006	87	24190	17.8	
35 Hexane	57	3.168	3.168	0.0	77	12093	0.8647	
36 Isopropyl ether	45	3.381	3.375	0.006	95	33495	0.9515	
40 2-Chloro-1,3-butadiene	53	3.411	3.405	0.006	52	13168	0.8740	
38 1,1-Dimethoxyethane	75	3.454	3.442	0.012	71	3845	6.74	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	92	25467	0.8925	
42 Ethyl acetate	43	3.898	3.892	0.006	80	10338	0.8623	
46 Propionitrile	54	3.971	3.959	0.012	80	19412	9.83	
47 Methacrylonitrile	41	4.050	4.044	0.006	77	7455	0.9575	
53 Isobutyl alcohol	43	4.482	4.482	0.0	72	16285	40.3	
56 Tert-amyl methyl ether	73	4.525	4.519	0.006	43	20723	0.8860	
59 n-Heptane	43	4.598	4.592	0.006	83	12961	0.8835	
60 n-Butanol	56	4.975	4.969	0.006	77	8546	51.0	
63 Methyl methacrylate	41	5.212	5.212	0.0	67	9510	0.9350	
66 1,4-Dioxane	88	5.255	5.243	0.012	51	5338	39.7	
70 2-Nitropropane	43	5.553	5.559	-0.006	72	4376	22.3	
71 Epichlorohydrin	57	5.644	5.644	0.0	87	22624	17.2	
76 2-Methylthiophene	97	5.997	5.997	0.0	76	28446	0.9019	
78 3-Methylthiophene	97	6.119	6.119	0.0	80	30593	0.9754	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	37	11203	0.9020	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	19	11731	0.9272	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	52	11353	0.8965	
96 Cyclohexanone	55	7.883	7.883	0.0	32	8056	8.95	
104 3-Chlorotoluene	126	8.205	8.205	0.0	89	9090	0.8941	
108 Pentachloroethane	167	8.516	8.522	-0.006	11	1900	3.78	
114 Dicyclopentadiene	66	8.814	8.820	-0.006	43	41594	1.00	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	12	33432	0.8948	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	64	12209	0.8949	

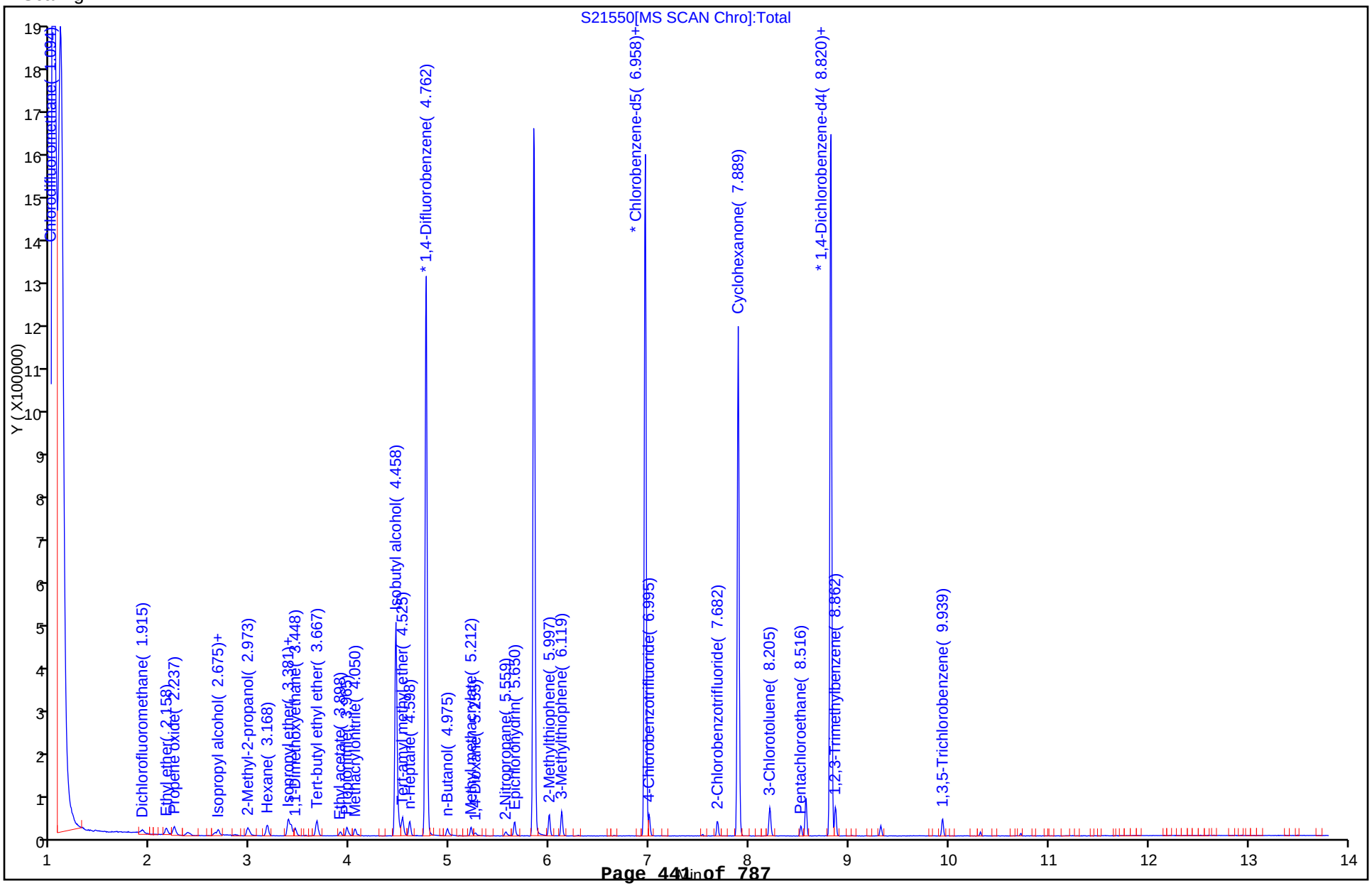
Report Date: 27-Dec-2012 18:18:24 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21550.D

Injection Date:	24-Dec-2012 15:32:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21551.D
Lims ID: IC 8 Client ID:
Inject. Date: 24-Dec-2012 15:54:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: IC 8
Misc. Info.: 480-0017830-015 =480-0017830-015
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 39
Lims Batch ID: 97278 Lims Sample ID: 15
Sublist: chrom-S-8260*sub13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 18:18:43 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: fergusont Date: 27-Dec-2012 10:48:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	95	932591	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	412521	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	96	353906	25.0	
11 Chlorodifluoromethane	51	1.197	1.197	0.0	60	27136	3.71	
16 Dichlorofluoromethane	67	1.921	1.921	0.0	76	67070	4.39	
18 Ethyl ether	59	2.152	2.152	0.0	93	48648	4.59	
19 Propene oxide	58	2.231	2.231	0.0	78	81463	24.6	
24 Isopropyl alcohol	45	2.645	2.639	0.006	98	90810	90.1	
28 3-Chloro-1-propene	41	2.681	2.675	0.006	89	64309	4.68	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	97	141449	88.7	
35 Hexane	57	3.168	3.168	0.0	91	84819	5.20	
36 Isopropyl ether	45	3.381	3.375	0.006	96	206032	5.03	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	91	81721	4.66	
38 1,1-Dimethoxyethane	75	3.448	3.442	0.006	63	26821	21.7	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	98	158213	4.80	
42 Ethyl acetate	43	3.898	3.892	0.006	97	68900	4.93	
46 Propionitrile	54	3.965	3.959	0.006	98	116068	50.4	
47 Methacrylonitrile	41	4.044	4.044	0.0	94	46362	5.11	
53 Isobutyl alcohol	43	4.482	4.482	0.0	90	110229	225.9	
56 Tert-amyl methyl ether	73	4.525	4.519	0.006	94	131649	4.84	
59 n-Heptane	43	4.591	4.592	-0.001	93	91662	5.39	
60 n-Butanol	56	4.969	4.969	0.0	88	67827	169.2	
63 Methyl methacrylate	41	5.212	5.212	0.0	92	55118	4.64	
66 1,4-Dioxane	88	5.249	5.243	0.005	80	28666	210.2	
70 2-Nitropropane	43	5.559	5.559	0.0	98	30284	33.5	
71 Epichlorohydrin	57	5.644	5.644	0.0	97	146164	95.5	
76 2-Methylthiophene	97	5.997	5.997	0.0	97	184839	5.72	
78 3-Methylthiophene	97	6.118	6.119	-0.001	99	178051	5.54	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	56	64931	5.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	51	65420	5.05	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	95	65276	5.03	
96 Cyclohexanone	55	7.883	7.883	0.0	43	43953	47.7	
104 3-Chlorotoluene	126	8.205	8.205	0.0	96	51671	4.96	
108 Pentachloroethane	167	8.521	8.522	-0.001	43	11057	6.13	
114 Dicyclopentadiene	66	8.813	8.820	-0.007	62	213101	4.98	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	59	195879	5.12	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	69741	4.99	

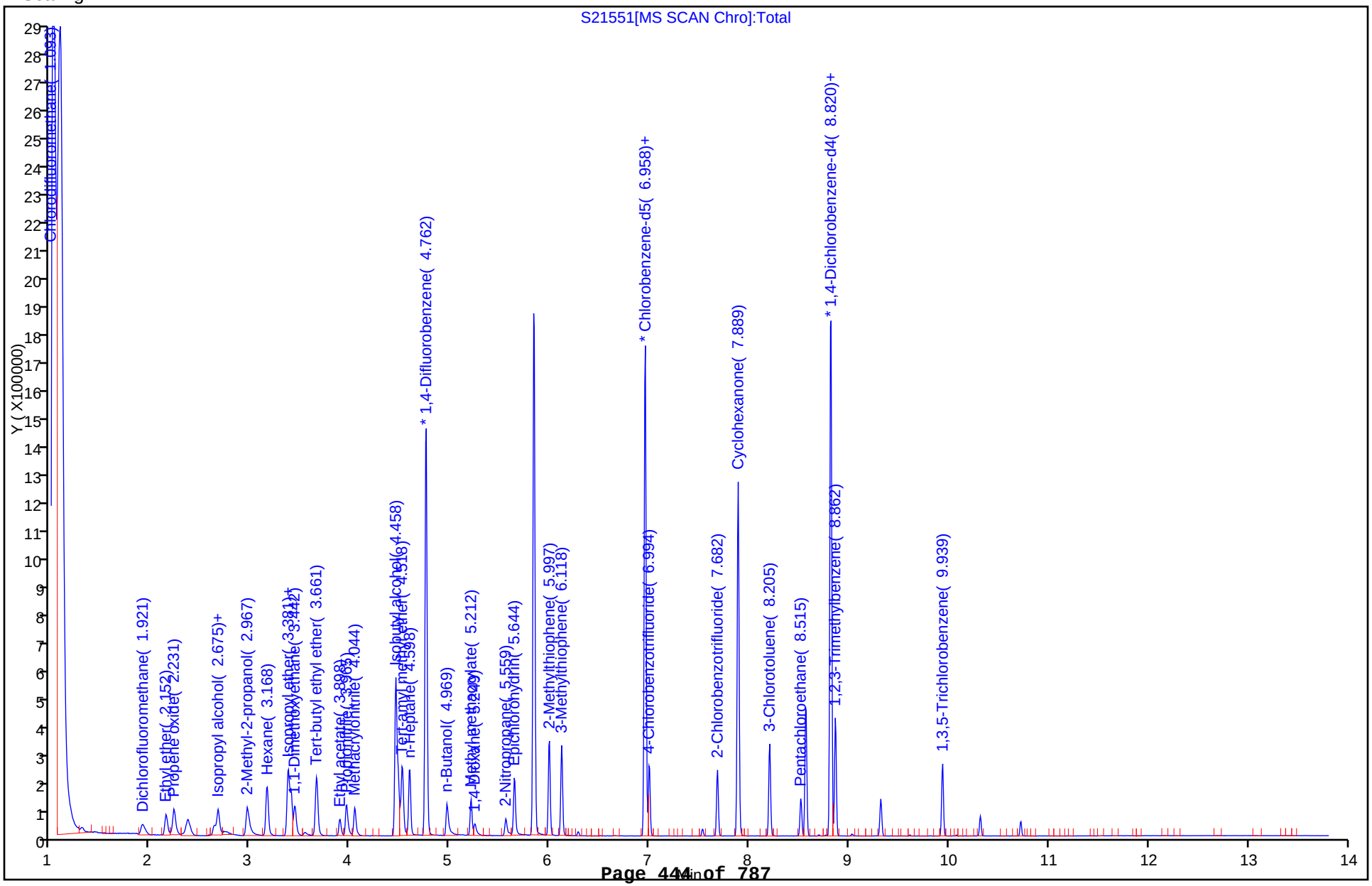
Report Date: 27-Dec-2012 18:18:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21551.D

Injection Date:	24-Dec-2012 15:54:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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\HP5973S\20121224-17830.b\S21552.D
Lims ID: IC 9 Client ID:
Inject. Date: 24-Dec-2012 16:15:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: IC 9
Misc. Info.: 480-0017830-016 =480-0017830-016
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 40
Lims Batch ID: 97278 Lims Sample ID: 16
Sublist: chrom-S-8260*sub13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 18:18:52 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: fergusont Date: 27-Dec-2012 10:48:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	95	809765	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	87	413765	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	96	355769	25.0	
11 Chlorodifluoromethane	51	1.191	1.197	-0.006	69	64694	8.74	
16 Dichlorofluoromethane	67	1.921	1.921	0.0	79	138678	10.4	
18 Ethyl ether	59	2.152	2.152	0.0	92	96216	10.4	
19 Propene oxide	58	2.237	2.231	0.006	88	142241	49.5	
24 Isopropyl alcohol	45	2.639	2.639	0.0	98	157589	172.2	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	89	121427	10.6	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	96	278528	199.3	
35 Hexane	57	3.168	3.168	0.0	92	140738	9.93	
36 Isopropyl ether	45	3.381	3.375	0.006	95	361245	10.2	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	90	157635	10.3	
38 1,1-Dimethoxyethane	75	3.448	3.442	0.006	57	51477	43.3	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	98	278006	9.71	
42 Ethyl acetate	43	3.892	3.892	0.0	98	123247	10.2	
46 Propionitrile	54	3.959	3.959	0.0	99	205294	102.6	
47 Methacrylonitrile	41	4.044	4.044	0.0	94	82040	10.4	
53 Isobutyl alcohol	43	4.482	4.482	0.0	94	217048	413.2	
56 Tert-amyl methyl ether	73	4.525	4.519	0.005	94	229695	9.76	
59 n-Heptane	43	4.598	4.592	0.006	93	145219	9.86	
60 n-Butanol	56	4.969	4.969	0.0	90	132750	343.6	
63 Methyl methacrylate	41	5.212	5.212	0.0	92	101094	9.84	
66 1,4-Dioxane	88	5.248	5.243	0.005	80	54924	401.5	
70 2-Nitropropane	43	5.559	5.559	0.0	98	59492	46.2	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	269717	203.5	
76 2-Methylthiophene	97	5.997	5.997	0.0	97	328000	10.1	
78 3-Methylthiophene	97	6.118	6.119	-0.001	99	332798	10.3	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	64	129748	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	73	130147	9.99	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	94	128223	9.83	
96 Cyclohexanone	55	7.883	7.883	0.0	53	98818	106.6	
104 3-Chlorotoluene	126	8.205	8.205	0.0	97	106068	10.1	
108 Pentachloroethane	167	8.515	8.522	-0.007	52	25906	9.93	
114 Dicyclopentadiene	66	8.813	8.820	-0.007	80	426459	9.91	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	61	397082	10.3	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	141972	10.1	

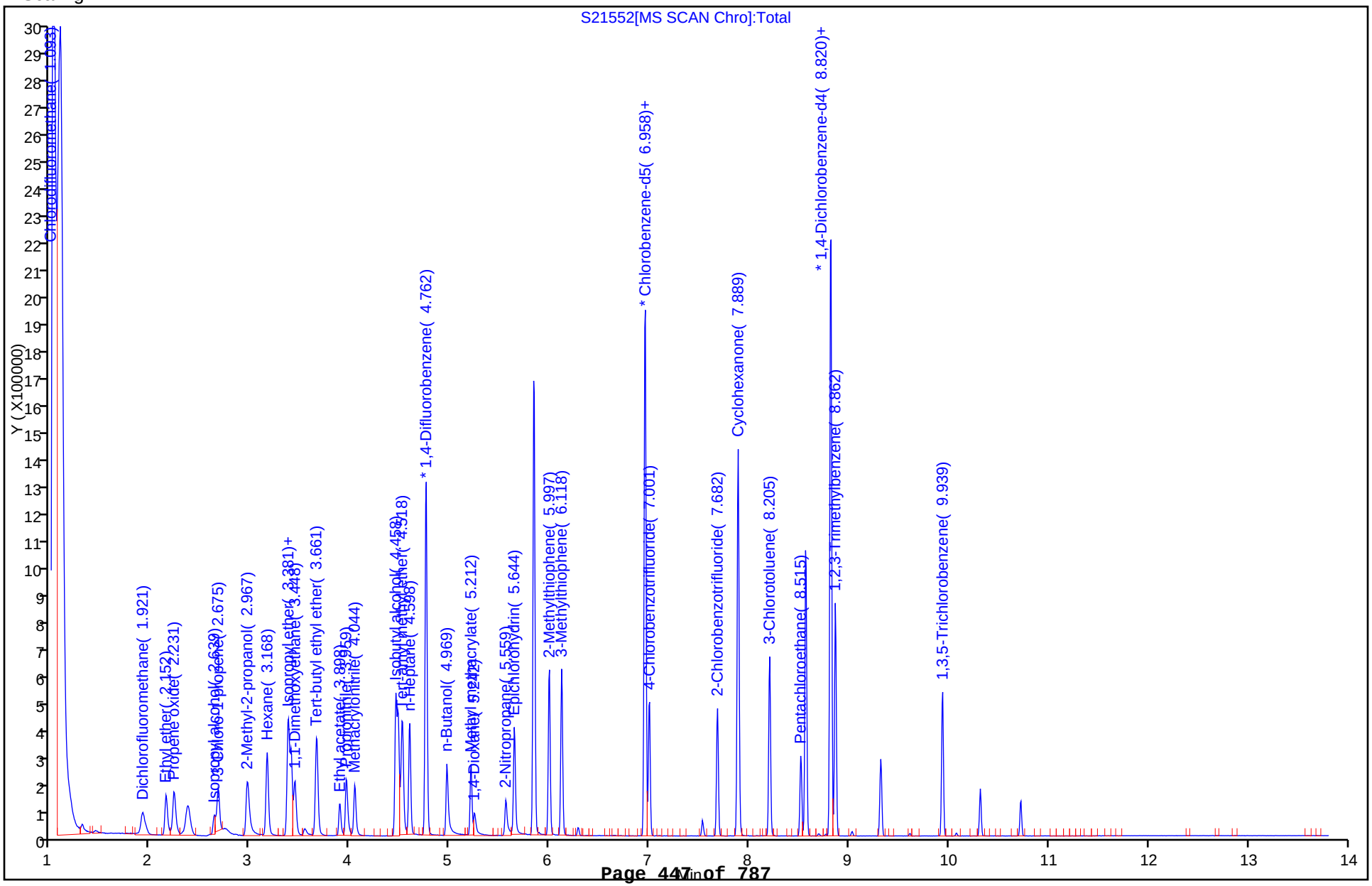
Report Date: 27-Dec-2012 18:18:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21552.D

Injection Date:	24-Dec-2012 16:15:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	Lims Sample ID:	16
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\HP5973S\20121224-17830.b\S21553.D
Lims ID: IC 10 Client ID:
Inject. Date: 24-Dec-2012 16:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: IC 10
Misc. Info.: 480-0017830-017 =480-0017830-017
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 41
Lims Batch ID: 97278 Lims Sample ID: 17
Sublist: chrom-S-8260*sub13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 18:17:54 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: larsonr Date: 27-Dec-2012 18:17:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	94	811780	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	87	416303	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	74	362918	25.0	
11 Chlorodifluoromethane	51	1.197	1.197	0.0	73	174950	22.2	
16 Dichlorofluoromethane	67	1.921	1.921	0.0	83	344996	25.9	
18 Ethyl ether	59	2.152	2.152	0.0	93	242727	26.3	
19 Propene oxide	58	2.231	2.231	0.0	80	354477	122.9	
24 Isopropyl alcohol	45	2.639	2.639	0.0	98	417925	436.6	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	88	285203	20.5	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	98	705842	512.8	
35 Hexane	57	3.168	3.168	0.0	93	366847	25.9	
36 Isopropyl ether	45	3.375	3.375	0.0	96	892252	25.0	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	90	396862	26.0	
38 1,1-Dimethoxyethane	75	3.442	3.442	0.0	58	138960	110.3	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	99	737251	25.4	
42 Ethyl acetate	43	3.892	3.892	0.0	99	311495	25.6	
46 Propionitrile	54	3.959	3.959	0.0	99	495206	248.1	
47 Methacrylonitrile	41	4.044	4.044	0.0	93	198317	25.1	
56 Tert-amyl methyl ether	73	4.519	4.519	0.0	89	612729	25.8	
53 Isobutyl alcohol	43	4.482	4.482	0.0	96	565854	1437.0	
59 n-Heptane	43	4.592	4.592	0.0	94	386121	26.0	
60 n-Butanol	56	4.969	4.969	0.0	89	366702	884.9	
63 Methyl methacrylate	41	5.212	5.212	0.0	92	265797	25.8	
66 1,4-Dioxane	88	5.243	5.243	0.0	80	125824	914.3	
70 2-Nitropropane	43	5.559	5.559	0.0	96	196796	104.2	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	706914	529.7	
76 2-Methylthiophene	97	5.997	5.997	0.0	97	847005	25.6	
78 3-Methylthiophene	97	6.119	6.119	0.0	99	817885	24.8	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	82	341048	26.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	83	348091	26.2	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	98	346635	26.1	
96 Cyclohexanone	55	7.883	7.883	0.0	77	242286	256.2	
104 3-Chlorotoluene	126	8.205	8.205	0.0	97	279186	26.1	
108 Pentachloroethane	167	8.522	8.522	0.0	68	72724	21.6	
114 Dicyclopentadiene	66	8.820	8.820	0.0	95	1108980	25.3	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	67	1008623	25.7	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	369888	25.8	

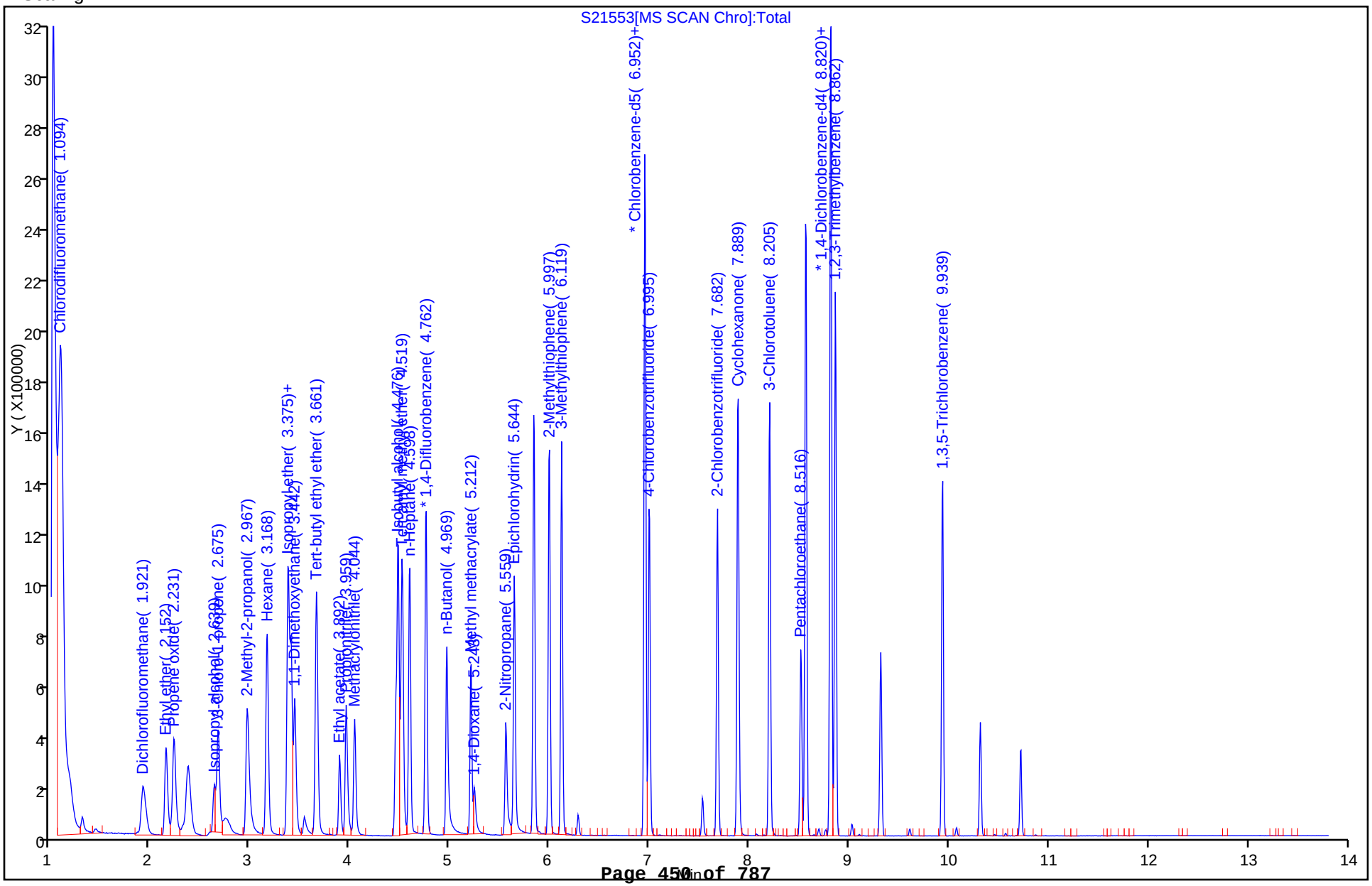
Report Date: 27-Dec-2012 18:17:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21553.D

Injection Date:	24-Dec-2012 16:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	Lims Sample ID:	17
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\HP5973S\20121224-17830.b\S21554.D
Lims ID: IC 11 Client ID:
Inject. Date: 24-Dec-2012 16:58:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: IC 11
Misc. Info.: 480-0017830-018 =480-0017830-018
Operator: LH Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 42
Lims Batch ID: 97278 Lims Sample ID: 18
Sublist: chrom-S-8260*sub13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m
Last Update: 27-Dec-2012 18:19:00 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: fergusont Date: 27-Dec-2012 10:51:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	95	811843	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	86	412150	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	58	365225	25.0	
11 Chlorodifluoromethane	51	1.197	1.197	0.0	76	401897	49.8	
16 Dichlorofluoromethane	67	1.927	1.921	0.006	83	718109	54.0	
18 Ethyl ether	59	2.152	2.152	0.0	94	480524	52.0	
19 Propene oxide	58	2.231	2.231	0.0	88	830749	288.1	
24 Isopropyl alcohol	45	2.645	2.639	0.006	98	1115394	1148.7	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	91	691938	60.1	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	97	1588439	1133.8	
35 Hexane	57	3.162	3.168	-0.006	93	773453	54.5	
36 Isopropyl ether	45	3.375	3.375	0.0	96	1829062	51.4	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	89	831150	54.4	
38 1,1-Dimethoxyethane	75	3.442	3.442	0.0	62	315906	246.0	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	99	1545877	53.8	
42 Ethyl acetate	43	3.892	3.892	0.0	99	656930	54.1	
46 Propionitrile	54	3.959	3.959	0.0	99	1031702	514.2	
47 Methacrylonitrile	41	4.044	4.044	0.0	92	403101	51.0	
53 Isobutyl alcohol	43	4.482	4.482	0.0	96	1358098	2698.7	
56 Tert-amyl methyl ether	73	4.518	4.519	-0.001	91	1278870	54.2	
59 n-Heptane	43	4.591	4.592	-0.001	94	794896	53.8	
60 n-Butanol	56	4.969	4.969	0.0	88	879343	2084.9	
63 Methyl methacrylate	41	5.206	5.212	-0.006	93	562821	54.7	
66 1,4-Dioxane	88	5.242	5.243	-0.001	80	287658	2111.2	
70 2-Nitropropane	43	5.559	5.559	0.0	97	513496	237.7	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	1456909	1096.4	
76 2-Methylthiophene	97	5.997	5.997	0.0	97	1718073	51.5	
78 3-Methylthiophene	97	6.118	6.119	-0.001	99	1676428	50.6	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	93	707946	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	88	703195	52.6	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	95	711121	53.1	
96 Cyclohexanone	55	7.883	7.883	0.0	91	493787	518.9	
104 3-Chlorotoluene	126	8.205	8.205	0.0	96	568317	52.9	
108 Pentachloroethane	167	8.521	8.522	-0.001	76	177483	47.6	
114 Dicyclopentadiene	66	8.813	8.820	-0.007	96	2284392	51.7	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	68	2050956	52.0	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	97	765029	53.0	

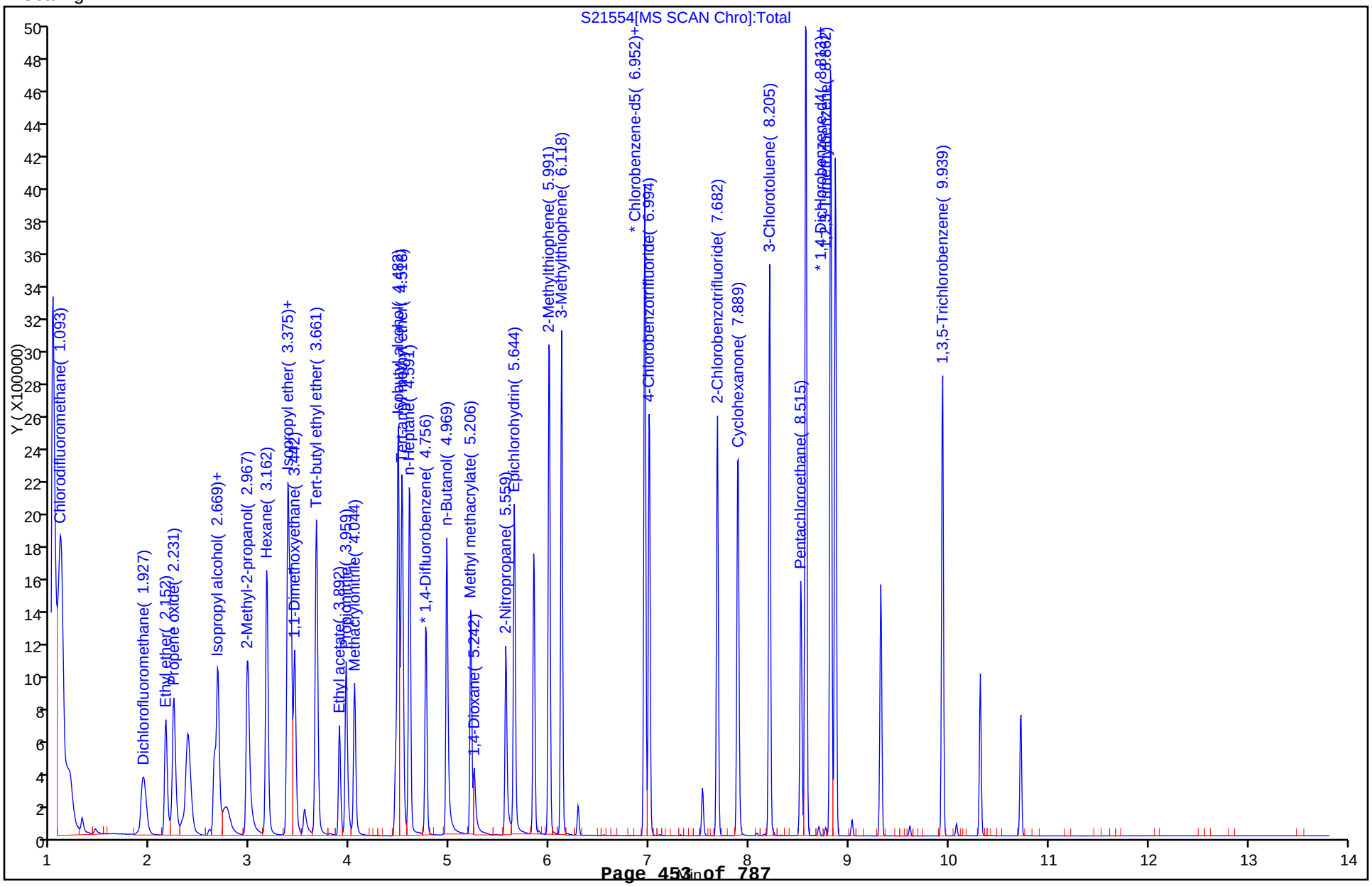
Report Date: 27-Dec-2012 18:19:00 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21554.D

Injection Date:	24-Dec-2012 16:58:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	Lims Sample ID:	18
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\HP5973S\20121224-17830.b\S21555.D		
Lims ID:	IC 12	Client ID:	
Inject. Date:	24-Dec-2012 17:20:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC 12		
Misc. Info.:	480-0017830-019 =480-0017830-019		
Operator:	LH	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	43
Lims Batch ID:	97278	Lims Sample ID:	19
Sublist:	chrom-S-8260*sub13		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m		
Last Update:	27-Dec-2012 18:19:13	Calib Date:	24-Dec-2012 17:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: fergusont		Date:	27-Dec-2012 10:52:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.762	0.0	94	782931	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	71	403728	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	51	348536	25.0	
11 Chlorodifluoromethane	51	1.197	1.197	0.0	77	824409	105.1	
16 Dichlorofluoromethane	67	1.921	1.921	0.0	83	1302579	101.5	
18 Ethyl ether	59	2.152	2.152	0.0	92	865874	97.2	
19 Propene oxide	58	2.231	2.231	0.0	88	1248813	449.1	
24 Isopropyl alcohol	45	2.651	2.639	0.012	96	1827996	1944.4	
28 3-Chloro-1-propene	41	2.669	2.675	-0.006	90	1075551	96.9	
31 2-Methyl-2-propanol	59	2.979	2.967	0.012	98	2992133	2214.7	
35 Hexane	57	3.162	3.168	-0.006	92	1344505	98.1	
36 Isopropyl ether	45	3.375	3.375	0.0	96	3396069	98.9	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	89	1518717	103.1	
38 1,1-Dimethoxyethane	75	3.442	3.442	0.0	66	657967	527.0	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	99	2953333	106.7	
42 Ethyl acetate	43	3.892	3.892	0.0	99	1203923	102.7	
46 Propionitrile	54	3.959	3.959	0.0	99	1877740	970.4	
47 Methacrylonitrile	41	4.044	4.044	0.0	93	725751	95.3	
53 Isobutyl alcohol	43	4.482	4.482	0.0	95	2525943	4049.4	
56 Tert-amyl methyl ether	73	4.519	4.519	0.0	98	2363390	103.9	
59 n-Heptane	43	4.592	4.592	0.0	94	1309597	92.0	
60 n-Butanol	56	4.969	4.969	0.0	87	1680265	4098.7	
63 Methyl methacrylate	41	5.206	5.212	-0.006	93	1014287	102.1	
66 1,4-Dioxane	88	5.243	5.243	0.0	89	524849	3932.4	
70 2-Nitropropane	43	5.559	5.559	0.0	96	1106103	511.1	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	2566526	2002.7	
76 2-Methylthiophene	97	5.997	5.997	0.0	97	2848123	89.4	
78 3-Methylthiophene	97	6.119	6.119	0.0	99	2790454	88.2	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	94	1247439	98.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorobenzotrifluoride	180	7.001	7.001	0.0	92	1231987	96.5	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	98	1289429	100.9	
96 Cyclohexanone	55	7.883	7.883	0.0	92	928879	1022.9	
104 3-Chlorotoluene	126	8.205	8.205	0.0	96	1022829	99.7	
108 Pentachloroethane	167	8.522	8.522	0.0	80	376930	102.0	
114 Dicyclopentadiene	66	8.820	8.820	0.0	96	4091446	97.1	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	74	3679234	97.7	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	1381085	100.3	

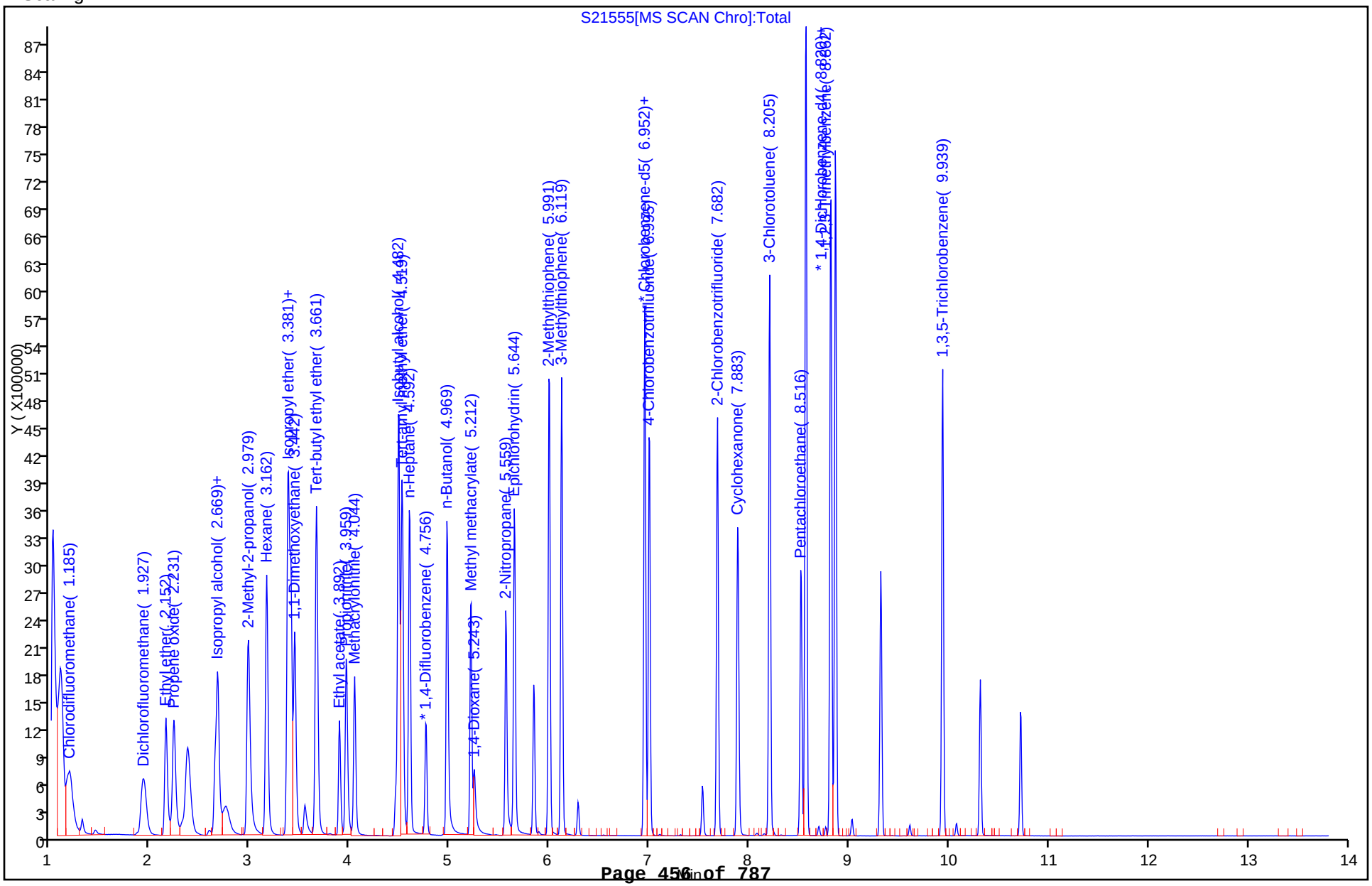
Report Date: 27-Dec-2012 18:19:13 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D

Injection Date:	24-Dec-2012 17:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	Lims Sample ID:	19
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.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97793/2 Calibration Date: 12/29/2012 10:19

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18531.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	0.3636	0.2587		17.8	25.0	-28.9	50.0
Chloromethane	Lin1		0.4386	0.1000	22.4	25.0	-10.4	50.0
Vinyl chloride	Ave	0.4314	0.4334		25.1	25.0	0.5	20.0
Bromomethane	Ave	0.1718	0.1815		26.4	25.0	5.7	50.0
Chloroethane	Ave	0.2157	0.2322		26.9	25.0	7.6	50.0
Trichlorofluoromethane	Ave	0.3994	0.4800		30.0	25.0	20.2	50.0
Acrolein	Ave	0.0582	0.0672		578	500	15.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1		0.2845		23.9	25.0	-4.4	50.0
1,1-Dichloroethene	Ave	0.3490	0.3586	0.1000	25.7	25.0	2.8	20.0
Acetone	Ave	0.1463	0.2035		174	125	39.1	50.0
Iodomethane	Ave	0.2771	0.3252		29.3	25.0	17.4	50.0
Carbon disulfide	Ave	0.9810	0.8542		21.8	25.0	-12.9	50.0
Acetonitrile	Lin		0.0487		768	1000	-23.2	50.0
Methyl acetate	Ave	0.6881	0.7322		26.6	25.0	6.4	50.0
Methylene Chloride	Ave	0.5097	0.4863		23.9	25.0	-4.6	50.0
Methyl tert-butyl ether	Ave	1.383	1.350		24.4	25.0	-2.3	50.0
trans-1,2-Dichloroethene	Ave	0.3746	0.3979		26.6	25.0	6.2	50.0
Acrylonitrile	Ave	0.2311	0.2374		128	125	2.7	50.0
1,1-Dichloroethane	Ave	0.5899	0.7043		29.8	25.0	19.4	50.0
Vinyl acetate	Ave	1.019	0.9818		120	125	-3.6	50.0
2,2-Dichloropropane	Ave	0.2368	0.2622		27.7	25.0	10.7	50.0
cis-1,2-Dichloroethene	Ave	0.3548	0.3938		27.7	25.0	11.0	50.0
2-Butanone (MEK)	Ave	0.3643	0.3699		127	125	1.6	50.0
Bromochloromethane	Ave	0.1711	0.1805		26.4	25.0	5.5	50.0
Tetrahydrofuran	Ave	0.2589	0.2464		119	125	-4.8	50.0
Chloroform	Ave	0.3814	0.4132		27.1	25.0	8.3	20.0
1,1,1-Trichloroethane	Lin1		0.4058		27.5	25.0	10.2	50.0
Cyclohexane	Ave	0.7761	0.7014		22.6	25.0	-9.6	50.0
Carbon tetrachloride	Lin1		0.3773		25.0	25.0	0.2	50.0
1,1-Dichloropropene	Ave	0.4694	0.5414		28.8	25.0	15.3	50.0
Benzene	Ave	1.421	1.610		28.3	25.0	13.3	50.0
1,2-Dichloroethane	Ave	0.5521	0.5797		26.2	25.0	5.0	50.0
Trichloroethene	Ave	0.3340	0.3747		28.0	25.0	12.2	50.0
Methylcyclohexane	Lin1		0.5877		22.1	25.0	-11.5	50.0
1,2-Dichloropropane	Ave	0.3685	0.4009		27.2	25.0	8.8	20.0
Dibromomethane	Ave	0.2263	0.2277		25.2	25.0	0.6	50.0
Bromodichloromethane	Ave	0.4366	0.4034		23.1	25.0	-7.6	50.0
2-Chloroethyl vinyl ether	Ave	0.3539	0.3380		119	125	-4.5	50.0
cis-1,3-Dichloropropene	Ave	0.6042	0.5980		24.7	25.0	-1.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.429	1.341		117	125	-6.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97793/2 Calibration Date: 12/29/2012 10:19

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18531.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	1.657	1.903		28.7	25.0	14.9	20.0
trans-1,3-Dichloropropene	Ave	1.110	1.067		24.0	25.0	-3.8	50.0
Ethyl methacrylate	Ave	1.312	1.285		24.5	25.0	-2.1	50.0
1,1,2-Trichloroethane	Ave	0.5470	0.5543		25.3	25.0	1.3	50.0
Tetrachloroethene	Ave	0.6065	0.7716		31.8	25.0	27.2	50.0
1,3-Dichloropropane	Ave	1.245	1.307		26.2	25.0	5.0	50.0
2-Hexanone	Ave	1.162	1.031		111	125	-11.3	50.0
Dibromochloromethane	Ave	0.5745	0.5308		23.1	25.0	-7.6	50.0
1,2-Dibromoethane	Ave	0.7122	0.7359		25.8	25.0	3.3	50.0
Chlorobenzene	Ave	1.801	2.065	0.3000	28.7	25.0	14.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.5764	0.5890		25.5	25.0	2.2	50.0
Ethylbenzene	Ave	3.074	3.579		29.1	25.0	16.4	20.0
m&p-Xylene	Ave	1.231	1.443		58.6	50.0	17.1	50.0
o-Xylene	Ave	1.200	1.372		28.6	25.0	14.4	50.0
Styrene	Ave	2.156	2.396		27.8	25.0	11.1	50.0
Bromoform	Ave	0.4003	0.3214	0.1000	20.1	25.0	-19.7	50.0
Isopropylbenzene	Ave	3.740	4.010		26.8	25.0	7.2	50.0
Bromobenzene	Ave	0.8615	0.9026		26.2	25.0	4.8	50.0
1,1,2,2-Tetrachloroethane	Ave	1.381	1.202	0.3000	21.8	25.0	-12.9	50.0
1,2,3-Trichloropropane	Ave	0.4666	0.4199		22.5	25.0	-10.0	50.0
N-Propylbenzene	Ave	4.406	4.781		27.1	25.0	8.5	50.0
trans-1,4-Dichloro-2-butene	Lin1		0.3691		104	125	-16.8	50.0
2-Chlorotoluene	Ave	0.8221	0.8879		27.0	25.0	8.0	50.0
1,3,5-Trimethylbenzene	Ave	3.184	3.446		27.1	25.0	8.2	50.0
4-Chlorotoluene	Ave	0.8551	0.9461		27.7	25.0	10.6	50.0
tert-Butylbenzene	Ave	0.6519	0.7231		27.7	25.0	10.9	50.0
1,2,4-Trimethylbenzene	Ave	3.226	3.443		26.7	25.0	6.7	50.0
sec-Butylbenzene	Ave	3.762	4.245		28.2	25.0	12.8	50.0
1,3-Dichlorobenzene	Ave	1.695	1.828		27.0	25.0	7.9	50.0
4-Isopropyltoluene	Ave	3.035	3.431		28.3	25.0	13.1	50.0
1,4-Dichlorobenzene	Ave	1.768	1.923		27.2	25.0	8.8	50.0
n-Butylbenzene	Ave	2.882	3.212		27.9	25.0	11.4	50.0
1,2-Dichlorobenzene	Ave	1.703	1.796		26.4	25.0	5.4	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.3485	0.2498		17.9	25.0	-28.3	50.0
1,2,4-Trichlorobenzene	Ave	1.048	1.057		25.2	25.0	0.9	50.0
Hexachlorobutadiene	Qua		0.3866		36.5	25.0	45.8	50.0
Naphthalene	Ave	4.162	3.526		21.2	25.0	-15.3	50.0
1,2,3-Trichlorobenzene	Qua		0.8946		31.1	25.0	24.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2589	0.2707		26.1	25.0	4.5	50.0
Toluene-d8 (Surr)	Ave	2.548	2.869		28.1	25.0	12.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7180	0.8300		28.9	25.0	15.6	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18531.D
Lims ID: CCVIS Client ID:
Inject. Date: 29-Dec-2012 10:19:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0017927-002 =480-0017927-002
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 57
Lims Batch ID: 97793 Lims Sample ID: 2
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 29-Dec-2012 10:38:27 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 10:38:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.730	5.730	0.0	95	509126	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	267823	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	76	239965	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	137795	26.1	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	91	768317	28.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	85	222285	28.9	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	87	131698	17.8	
12 Chloromethane	50	1.621	1.621	0.0	89	223285	22.4	
13 Vinyl chloride	62	1.713	1.713	0.0	82	220664	25.1	
14 Bromomethane	94	2.048	2.048	0.0	92	92395	26.4	
15 Chloroethane	64	2.152	2.152	0.0	94	118205	26.9	
17 Trichlorofluoromethane	101	2.365	2.365	0.0	84	244384	30.0	
19 Acrolein	56	2.810	2.810	0.0	97	684477	577.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	82	144854	23.9	
20 1,1-Dichloroethene	96	2.883	2.883	0.0	85	182582	25.7	
22 Acetone	43	2.968	2.968	0.0	98	518072	173.9	
23 Iodomethane	142	3.048	3.048	0.0	98	165552	29.3	
24 Carbon disulfide	76	3.084	3.084	0.0	99	434887	21.8	
27 Acetonitrile	40	3.267	3.267	0.0	99	991757	767.8	
28 Methyl acetate	43	3.273	3.273	0.0	96	372800	26.6	
29 Methylene Chloride	84	3.401	3.401	0.0	89	247606	23.9	
31 Methyl tert-butyl ether	73	3.602	3.602	0.0	90	687511	24.4	
32 trans-1,2-Dichloroethene	96	3.609	3.609	0.0	94	202566	26.6	
33 Acrylonitrile	53	3.639	3.639	0.0	100	604317	128.4	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	85	358578	29.8	
38 Vinyl acetate	43	4.072	4.072	0.0	97	2499217	120.5	
42 2,2-Dichloropropane	77	4.541	4.541	0.0	92	133494	27.7	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	70	200502	27.7	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	941645	126.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	92	91918	26.4	
49 Tetrahydrofuran	42	4.834	4.834	0.0	90	627320	119.0	
50 Chloroform	85	4.883	4.883	0.0	81	210356	27.1	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	92	206580	27.5	
52 Cyclohexane	56	5.029	5.029	0.0	93	357101	22.6	
53 Carbon tetrachloride	117	5.151	5.151	0.0	78	192114	25.0	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	93	275647	28.8	
56 Benzene	78	5.358	5.358	0.0	97	819468	28.3	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	295125	26.2	
61 Trichloroethene	95	5.974	5.974	0.0	92	190770	28.0	
62 Methylcyclohexane	83	6.108	6.108	0.0	92	299218	22.1	
63 1,2-Dichloropropane	63	6.200	6.200	0.0	91	204096	27.2	
65 Dibromomethane	93	6.334	6.334	0.0	86	115937	25.2	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	205361	23.1	
70 2-Chloroethyl vinyl ether	63	6.760	6.760	0.0	92	860303	119.4	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	90	304471	24.7	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	97	1795943	117.3	
74 Toluene	92	7.205	7.205	0.0	98	509729	28.7	
76 trans-1,3-Dichloropropene	75	7.468	7.468	0.0	92	285822	24.0	
78 Ethyl methacrylate	69	7.522	7.522	0.0	90	344116	24.5	
79 1,1,2-Trichloroethane	83	7.657	7.657	0.0	93	148466	25.3	
80 Tetrachloroethene	166	7.748	7.748	0.0	93	206659	31.8	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	93	349981	26.2	
82 2-Hexanone	43	7.882	7.882	0.0	97	1380749	110.9	
83 Chlorodibromomethane	129	8.059	8.059	0.0	88	142158	23.1	
84 Ethylene Dibromide	107	8.169	8.169	0.0	99	197079	25.8	
86 Chlorobenzene	112	8.656	8.656	0.0	86	553167	28.7	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	37	157751	25.5	
89 Ethylbenzene	91	8.748	8.748	0.0	98	958581	29.1	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	98	772690	58.6	
91 o-Xylene	106	9.296	9.296	0.0	98	367577	28.6	
92 Styrene	104	9.321	9.321	0.0	95	641754	27.8	
93 Bromoform	173	9.559	9.559	0.0	96	86080	20.1	
95 Isopropylbenzene	105	9.681	9.681	0.0	96	962305	26.8	
97 Bromobenzene	156	10.016	10.016	0.0	96	216593	26.2	
98 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.0	88	288473	21.8	
99 1,2,3-Trichloropropane	110	10.083	10.083	0.0	78	100756	22.5	
101 N-Propylbenzene	91	10.095	10.095	0.0	94	1147209	27.1	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	81	442902	104.0	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	213057	27.0	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	94	826963	27.1	
105 4-Chlorotoluene	126	10.308	10.308	0.0	96	227027	27.7	
106 tert-Butylbenzene	134	10.589	10.589	0.0	92	173516	27.7	
107 1,2,4-Trimethylbenzene	105	10.638	10.638	0.0	97	826231	26.7	
109 sec-Butylbenzene	105	10.796	10.796	0.0	94	1018552	28.2	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	96	438719	27.0	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	97	823413	28.3	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	93	461470	27.2	
115 n-Butylbenzene	91	11.320	11.320	0.0	97	770820	27.9	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	95	430999	26.4	
117 1,2-Dibromo-3-Chloropropane	75	12.083	12.083	0.0	78	59954	17.9	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	92	253558	25.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.887	12.887	0.0	94	92761	36.5	
121 Naphthalene	128	12.979	12.979	0.0	97	846216	21.2	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	94	214671	31.1	
S 125 1,2-Dichloroethene, Total	1				0		54.3	
S 126 1,3-Dichloropropene, Total	1				0		48.8	
S 123 Total BTEX	1				0		173.3	
S 124 Xylenes, Total	1				0		87.2	

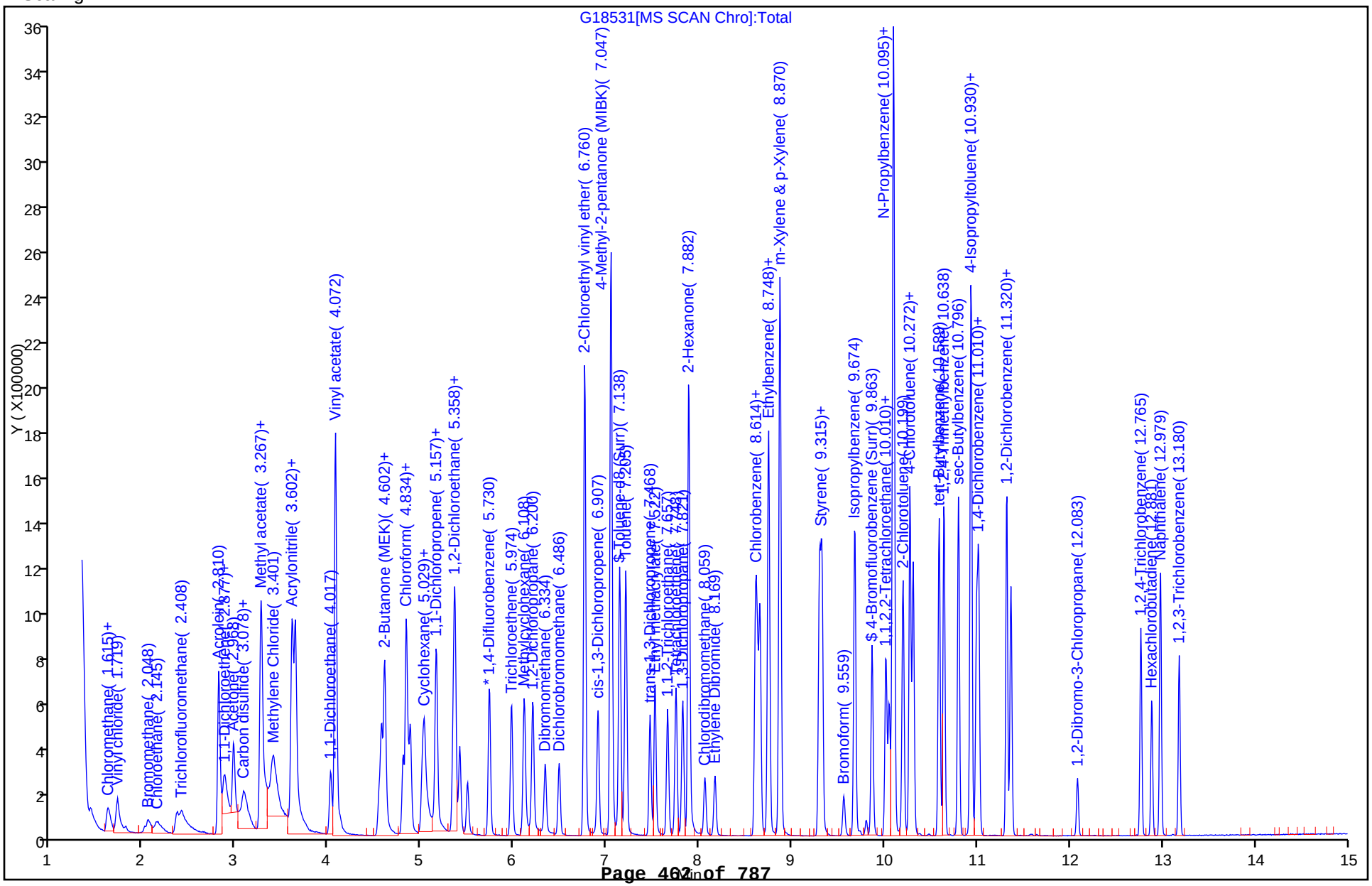
Report Date: 29-Dec-2012 10:38:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18531.D

Injection Date:	29-Dec-2012 10:19:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	2
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97793/3 Calibration Date: 12/29/2012 10:52

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18532.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	0.2589	0.2639		25.5	25.0	1.9	50.0
Toluene-d8 (Surr)	Ave	2.548	2.908		28.5	25.0	14.1	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7180	0.8512		29.6	25.0	18.6	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18532.D
Lims ID: CCV Client ID:
Inject. Date: 29-Dec-2012 10:52:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017927-003 =480-0017927-003
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 58
Lims Batch ID: 97793 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 29-Dec-2012 11:42:36 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 11:42:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	487676	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	85	256954	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	95	229982	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	128703	25.5	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	92	747185	28.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	78	218723	29.6	
11 Chlorodifluoromethane	51	1.462	1.462	0.0	78	319061	33.5	
16 Dichlorofluoromethane	67	2.359	2.359	0.0	83	399402	38.9	
18 Ethyl ether	59	2.651	2.651	0.0	93	173830	33.4	
68 Propene oxide	58	2.731	2.731	0.0	95	319649	171.6	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	499929	583.5	
26 3-Chloro-1-propene	41	3.237	3.237	0.0	88	314946	46.0	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	97	1041253	571.8	
34 Hexane	57	3.822	3.822	0.0	95	306977	32.8	
37 Isopropyl ether	45	4.053	4.053	0.0	93	718699	29.7	
39 2-Chloro-1,3-butadiene	53	4.084	4.084	0.0	89	313582	32.5	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	92	358615	134.6	
41 Tert-butyl ethyl ether	59	4.389	4.389	0.0	98	672449	29.5	
45 Ethyl acetate	43	4.639	4.639	0.0	99	368612	29.2	
46 Propionitrile	54	4.687	4.687	0.0	99	598883	339.5	
47 Methacrylonitrile	41	4.803	4.803	0.0	95	211298	29.7	
55 Isobutyl alcohol	43	5.346	5.346	0.0	95	970795	1189.3	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	98	630811	30.0	
59 n-Heptane	43	5.559	5.559	0.0	94	366347	32.6	
60 n-Butanol	56	5.968	5.968	0.0	92	716036	1094.1	
64 Methyl methacrylate	41	6.303	6.303	0.0	92	290446	28.7	
66 1,4-Dioxane	88	6.346	6.346	0.0	90	132112	878.1	
69 2-Nitropropane	43	6.724	6.724	0.0	99	330838	81.5	
71 Epichlorohydrin	57	6.852	6.852	0.0	98	888493	591.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97	7.339	7.339	0.0	98	678491	26.6	
77 3-Methylthiophene	97	7.504	7.504	0.0	100	667191	27.6	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	91	285419	32.1	
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	96	279393	32.1	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	95	283039	31.7	
96 Cyclohexanone	55	9.827	9.827	0.0	95	480395	916.6	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	235015	32.6	
108 Pentachloroethane	167	10.644	10.644	0.0	80	88589	25.9	
112 Dicyclopentadiene	66	11.003	11.003	0.0	96	1011174	30.5	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	97	912122	31.9	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	95	331406	35.7	

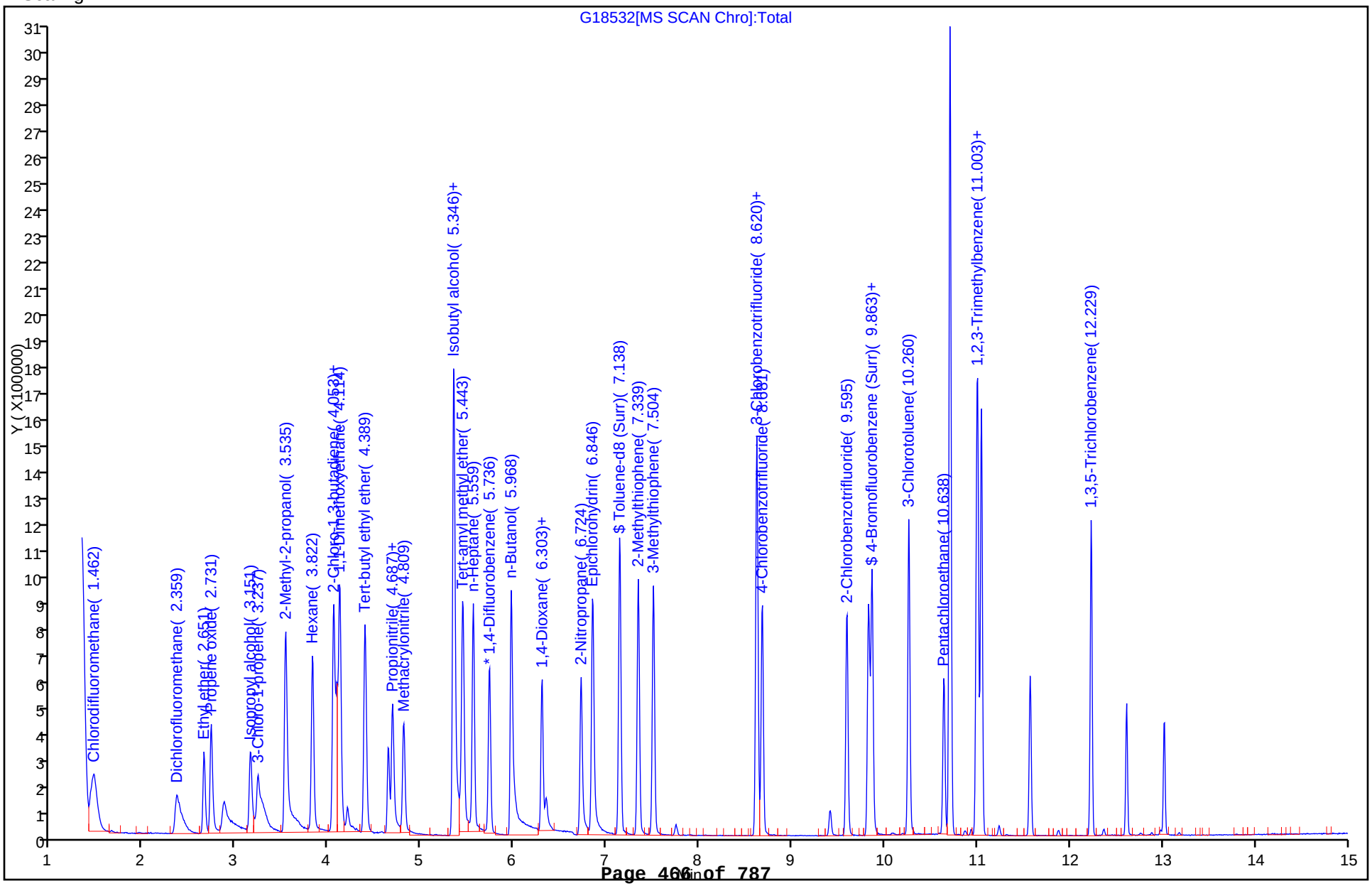
Report Date: 29-Dec-2012 11:42:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18532.D

Injection Date:	29-Dec-2012 10:52:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	3
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97793/3 Calibration Date: 12/29/2012 10:52

Instrument ID: HP5973G Calib Start Date: 12/13/2012 15:41

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/13/2012 17:35

Lab File ID: G18532.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
Chlorodifluoromethane	Ave	0.4887	0.6543		33.5	25.0	33.9	50.0
Dichlorofluoromethane	Ave	0.5265	0.8190		38.9	25.0	55.6*	50.0
Ethyl ether	Ave	0.2670	0.3565		33.4	25.0	33.5	50.0
Isopropyl alcohol	Ave	0.0439	0.0513		583	500	16.7	50.0
Allyl chloride	Ave	0.3507	0.6458		46.0	25.0	84.2*	50.0
t-Butyl alcohol	Ave	0.0934	0.1068		572	500	14.4	50.0
Hexane	Lin1		0.6295		32.8	25.0	31.2	50.0
Isopropyl ether	Ave	1.243	1.474		29.7	25.0	18.6	50.0
Chloroprene	Ave	0.4948	0.6430		32.5	25.0	29.9	50.0
1,1-Dimethoxyethane	Ave	0.1366	0.1471		135	125	7.7	50.0
Tert-butyl ethyl ether	Ave	1.170	1.379		29.5	25.0	17.9	50.0
Ethyl acetate	Ave	0.6478	0.7559		29.2	25.0	16.7	50.0
Propionitrile	Ave	0.0904	0.1228		339	250	35.8	50.0
Methacrylonitrile	Ave	0.3645	0.4333		29.7	25.0	18.9	50.0
Isobutyl alcohol	Ave	0.0418	0.0498		1190	1000	18.9	50.0
Tert-amyl methyl ether	Ave	1.078	1.294		30.0	25.0	20.0	50.0
n-Heptane	Ave	0.5761	0.7512		32.6	25.0	30.4	50.0
n-Butanol	Ave	0.0335	0.0367		1090	1000	9.4	50.0
Methyl methacrylate	Ave	0.5190	0.5956		28.7	25.0	14.7	50.0
1,4-Dioxane	Ave	0.0146	0.0129		878	1000	-12.2	50.0
2-Nitropropane	Ave	0.4414	0.2877		81.5	125	-34.8	50.0
Epichlorohydrin	Ave	0.0770	0.0911		592	500	18.3	50.0
2-Methylthiophene	Ave	2.768	2.950		26.6	25.0	6.6	50.0
3-Methylthiophene	Lin1		2.901		27.6	25.0	10.3	50.0
3-Chlorobenzotrifluoride	Lin1		1.241		32.1	25.0	28.3	50.0
p-Monochlorobenzotrifluoride	Lin1		1.215		32.1	25.0	28.5	50.0
2-Chlorobenzotrifluoride	Lin1		1.231		31.7	25.0	26.8	50.0
Cyclohexanone	Ave	0.0570	0.2089		917	250	266.6*	50.0
3-Chlorotoluene	Ave	0.7831	1.022		32.6	25.0	30.5	50.0
Pentachloroethane	Ave	0.3721	0.3852		25.9	25.0	3.5	50.0
Dicyclopentadiene	Ave	3.605	4.397		30.5	25.0	21.9	50.0
1,2,3-Trimethylbenzene	Ave	3.111	3.966		31.9	25.0	27.5	50.0
1,3,5-Trichlorobenzene	Ave	1.008	1.441		35.7	25.0	43.0	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18532.D
Lims ID: CCV Client ID:
Inject. Date: 29-Dec-2012 10:52:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017927-003 =480-0017927-003
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 58
Lims Batch ID: 97793 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 29-Dec-2012 11:42:36 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 11:42:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	487676	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	85	256954	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	95	229982	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	128703	25.5	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	92	747185	28.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	78	218723	29.6	
11 Chlorodifluoromethane	51	1.462	1.462	0.0	78	319061	33.5	
16 Dichlorofluoromethane	67	2.359	2.359	0.0	83	399402	38.9	
18 Ethyl ether	59	2.651	2.651	0.0	93	173830	33.4	
68 Propene oxide	58	2.731	2.731	0.0	95	319649	171.6	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	499929	583.5	
26 3-Chloro-1-propene	41	3.237	3.237	0.0	88	314946	46.0	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	97	1041253	571.8	
34 Hexane	57	3.822	3.822	0.0	95	306977	32.8	
37 Isopropyl ether	45	4.053	4.053	0.0	93	718699	29.7	
39 2-Chloro-1,3-butadiene	53	4.084	4.084	0.0	89	313582	32.5	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	92	358615	134.6	
41 Tert-butyl ethyl ether	59	4.389	4.389	0.0	98	672449	29.5	
45 Ethyl acetate	43	4.639	4.639	0.0	99	368612	29.2	
46 Propionitrile	54	4.687	4.687	0.0	99	598883	339.5	
47 Methacrylonitrile	41	4.803	4.803	0.0	95	211298	29.7	
55 Isobutyl alcohol	43	5.346	5.346	0.0	95	970795	1189.3	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	98	630811	30.0	
59 n-Heptane	43	5.559	5.559	0.0	94	366347	32.6	
60 n-Butanol	56	5.968	5.968	0.0	92	716036	1094.1	
64 Methyl methacrylate	41	6.303	6.303	0.0	92	290446	28.7	
66 1,4-Dioxane	88	6.346	6.346	0.0	90	132112	878.1	
69 2-Nitropropane	43	6.724	6.724	0.0	99	330838	81.5	
71 Epichlorohydrin	57	6.852	6.852	0.0	98	888493	591.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97	7.339	7.339	0.0	98	678491	26.6	
77 3-Methylthiophene	97	7.504	7.504	0.0	100	667191	27.6	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	91	285419	32.1	
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	96	279393	32.1	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	95	283039	31.7	
96 Cyclohexanone	55	9.827	9.827	0.0	95	480395	916.6	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	235015	32.6	
108 Pentachloroethane	167	10.644	10.644	0.0	80	88589	25.9	
112 Dicyclopentadiene	66	11.003	11.003	0.0	96	1011174	30.5	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	97	912122	31.9	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	95	331406	35.7	

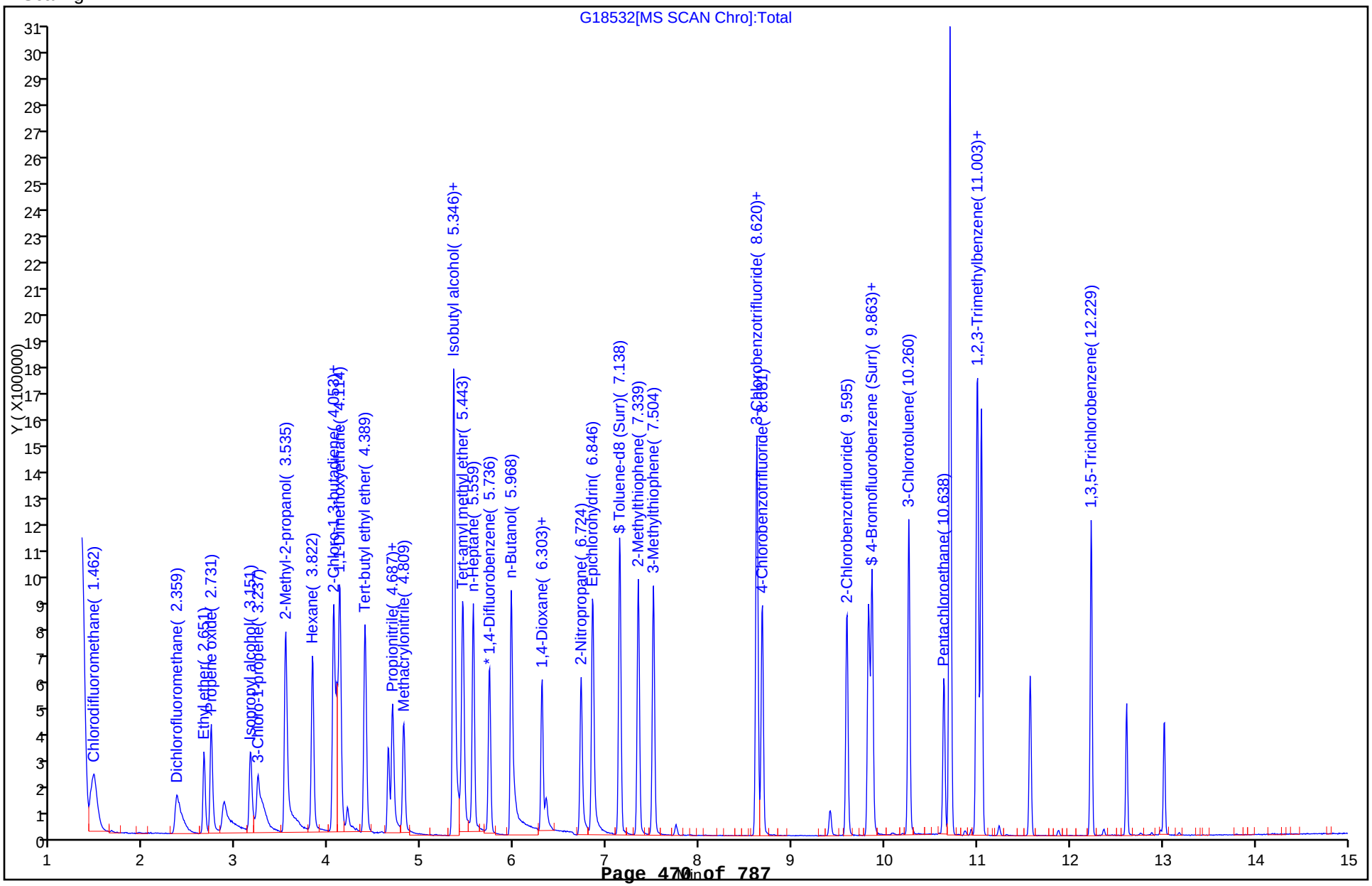
Report Date: 29-Dec-2012 11:42:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18532.D

Injection Date:	29-Dec-2012 10:52:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	3
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97832/2 Calibration Date: 12/30/2012 14:54

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18558.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	0.3636	0.1865		12.8	25.0	-48.7	50.0
Chloromethane	Lin1		0.3772	0.1000	19.3	25.0	-22.7	50.0
Vinyl chloride	Ave	0.4314	0.3693		21.4	25.0	-14.4	20.0
Bromomethane	Ave	0.1718	0.1538		22.4	25.0	-10.5	50.0
Chloroethane	Ave	0.2157	0.2093		24.3	25.0	-3.0	50.0
Trichlorofluoromethane	Ave	0.3994	0.4418		27.7	25.0	10.6	50.0
Acrolein	Ave	0.0582	0.0648		557	500	11.4	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Lin1		0.2130		18.0	25.0	-27.9	50.0
1,1-Dichloroethene	Ave	0.3490	0.3022	0.1000	21.6	25.0	-13.4	20.0
Acetone	Ave	0.1463	0.1892		162	125	29.3	50.0
Iodomethane	Ave	0.2771	0.2850		25.7	25.0	2.9	50.0
Carbon disulfide	Ave	0.9810	0.6896		17.6	25.0	-29.7	50.0
Acetonitrile	Lin		0.0454		714	1000	-28.6	50.0
Methyl acetate	Ave	0.6881	0.6905		25.1	25.0	0.4	50.0
Methylene Chloride	Ave	0.5097	0.4725		23.2	25.0	-7.3	50.0
Methyl tert-butyl ether	Ave	1.383	1.308		23.7	25.0	-5.4	50.0
trans-1,2-Dichloroethene	Ave	0.3746	0.3684		24.6	25.0	-1.6	50.0
Acrylonitrile	Ave	0.2311	0.2299		124	125	-0.5	50.0
1,1-Dichloroethane	Ave	0.5899	0.6643		28.2	25.0	12.6	50.0
Vinyl acetate	Ave	1.019	0.9506		117	125	-6.7	50.0
2,2-Dichloropropane	Ave	0.2368	0.2503		26.4	25.0	5.7	50.0
cis-1,2-Dichloroethene	Ave	0.3548	0.3720		26.2	25.0	4.8	50.0
2-Butanone (MEK)	Ave	0.3643	0.3534		121	125	-3.0	50.0
Bromochloromethane	Ave	0.1711	0.1727		25.2	25.0	0.9	50.0
Tetrahydrofuran	Ave	0.2589	0.2436		118	125	-5.9	50.0
Chloroform	Ave	0.3814	0.3985		26.1	25.0	4.5	20.0
1,1,1-Trichloroethane	Lin1		0.3858		26.2	25.0	4.8	50.0
Cyclohexane	Ave	0.7761	0.6343		20.4	25.0	-18.3	50.0
Carbon tetrachloride	Lin1		0.3449		22.9	25.0	-8.2	50.0
1,1-Dichloropropene	Ave	0.4694	0.5042		26.9	25.0	7.4	50.0
Benzene	Ave	1.421	1.529		26.9	25.0	7.6	50.0
1,2-Dichloroethane	Ave	0.5521	0.5679		25.7	25.0	2.9	50.0
Trichloroethene	Ave	0.3340	0.3545		26.5	25.0	6.1	50.0
Methylcyclohexane	Lin1		0.4899		18.6	25.0	-25.7	50.0
1,2-Dichloropropane	Ave	0.3685	0.3761		25.5	25.0	2.0	20.0
Dibromomethane	Ave	0.2263	0.2184		24.1	25.0	-3.5	50.0
Bromodichloromethane	Ave	0.4366	0.4096		23.5	25.0	-6.2	50.0
2-Chloroethyl vinyl ether	Ave	0.3539	0.3341		118	125	-5.6	50.0
cis-1,3-Dichloropropene	Ave	0.6042	0.5664		23.4	25.0	-6.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.429	1.278		112	125	-10.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97832/2 Calibration Date: 12/30/2012 14:54

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18558.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	1.657	1.786		26.9	25.0	7.8	20.0
trans-1,3-Dichloropropene	Ave	1.110	1.015		22.9	25.0	-8.5	50.0
Ethyl methacrylate	Ave	1.312	1.222		23.3	25.0	-6.9	50.0
1,1,2-Trichloroethane	Ave	0.5470	0.5383		24.6	25.0	-1.6	50.0
Tetrachloroethene	Ave	0.6065	0.7098		29.3	25.0	17.0	50.0
1,3-Dichloropropane	Ave	1.245	1.260		25.3	25.0	1.2	50.0
2-Hexanone	Ave	1.162	1.002		108	125	-13.8	50.0
Dibromochloromethane	Ave	0.5745	0.4971		21.6	25.0	-13.5	50.0
1,2-Dibromoethane	Ave	0.7122	0.7032		24.7	25.0	-1.3	50.0
Chlorobenzene	Ave	1.801	1.971	0.3000	27.4	25.0	9.5	50.0
1,1,1,2-Tetrachloroethane	Ave	0.5764	0.5680		24.6	25.0	-1.4	50.0
Ethylbenzene	Ave	3.074	3.360		27.3	25.0	9.3	20.0
m&p-Xylene	Ave	1.231	1.369		55.6	50.0	11.2	50.0
o-Xylene	Ave	1.200	1.318		27.5	25.0	9.8	50.0
Styrene	Ave	2.156	2.296		26.6	25.0	6.5	50.0
Bromoform	Ave	0.4003	0.3211	0.1000	20.1	25.0	-19.8	50.0
Isopropylbenzene	Ave	3.740	3.675		24.6	25.0	-1.7	50.0
Bromobenzene	Ave	0.8615	0.8523		24.7	25.0	-1.1	50.0
1,1,2,2-Tetrachloroethane	Ave	1.381	1.129	0.3000	20.4	25.0	-18.2	50.0
1,2,3-Trichloropropane	Ave	0.4666	0.3952		21.2	25.0	-15.3	50.0
trans-1,4-Dichloro-2-butene	Lin1		0.3364		95.0	125	-24.0	50.0
N-Propylbenzene	Ave	4.406	4.401		25.0	25.0	-0.1	50.0
2-Chlorotoluene	Ave	0.8221	0.8239		25.1	25.0	0.2	50.0
1,3,5-Trimethylbenzene	Ave	3.184	3.256		25.6	25.0	2.3	50.0
4-Chlorotoluene	Ave	0.8551	0.8913		26.1	25.0	4.2	50.0
tert-Butylbenzene	Ave	0.6519	0.6937		26.6	25.0	6.4	50.0
1,2,4-Trimethylbenzene	Ave	3.226	3.275		25.4	25.0	1.5	50.0
sec-Butylbenzene	Ave	3.762	4.009		26.6	25.0	6.6	50.0
1,3-Dichlorobenzene	Ave	1.695	1.795		26.5	25.0	5.9	50.0
4-Isopropyltoluene	Ave	3.035	3.304		27.2	25.0	8.9	50.0
1,4-Dichlorobenzene	Ave	1.768	1.885		26.6	25.0	6.6	50.0
n-Butylbenzene	Ave	2.882	3.050		26.5	25.0	5.8	50.0
1,2-Dichlorobenzene	Ave	1.703	1.760		25.8	25.0	3.3	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.3485	0.2528		18.1	25.0	-27.5	50.0
1,2,4-Trichlorobenzene	Ave	1.048	1.124		26.8	25.0	7.3	50.0
Hexachlorobutadiene	Qua		0.4295		39.8	25.0	59.4*	50.0
Naphthalene	Ave	4.162	3.862		23.2	25.0	-7.2	50.0
1,2,3-Trichlorobenzene	Qua		1.022		35.2	25.0	41.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2589	0.2617		25.3	25.0	1.1	50.0
Toluene-d8 (Surr)	Ave	2.548	2.822		27.7	25.0	10.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7180	0.8337		29.0	25.0	16.1	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18558.D
Lims ID: CCVIS Client ID:
Inject. Date: 30-Dec-2012 14:54:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0017942-002 =480-0017942-002
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 97832 Lims Sample ID: 2
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 30-Dec-2012 15:55:07 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: diasn Date: 30-Dec-2012 15:19:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.730	5.730	0.0	95	491210	25.0	
* 2 Chlorobenzene-d5	82	8.620	8.620	0.0	86	262430	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	77	243712	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.340	5.340	0.0	0	128566	25.3	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	91	740612	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	85	218783	29.0	
10 Dichlorodifluoromethane	85	1.438	1.438	0.0	86	91610	12.8	
12 Chloromethane	50	1.615	1.615	0.0	88	185259	19.3	
13 Vinyl chloride	62	1.713	1.713	0.0	83	181422	21.4	
14 Bromomethane	94	2.054	2.054	0.0	92	75549	22.4	
15 Chloroethane	64	2.133	2.133	0.0	98	102796	24.3	
17 Trichlorofluoromethane	101	2.365	2.365	0.0	90	216990	27.7	
19 Acrolein	56	2.810	2.810	0.0	97	636626	556.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.865	2.865	0.0	78	104636	18.0	
20 1,1-Dichloroethene	96	2.877	2.877	0.0	83	148443	21.6	
22 Acetone	43	2.975	2.975	0.0	97	464675	161.7	
23 Iodomethane	142	3.042	3.042	0.0	98	140000	25.7	
24 Carbon disulfide	76	3.078	3.078	0.0	99	338734	17.6	
27 Acetonitrile	40	3.267	3.267	0.0	99	891701	714.2	
28 Methyl acetate	43	3.273	3.273	0.0	96	339197	25.1	
29 Methylene Chloride	84	3.395	3.395	0.0	89	232078	23.2	
31 Methyl tert-butyl ether	73	3.602	3.602	0.0	91	642467	23.7	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	92	180974	24.6	
33 Acrylonitrile	53	3.639	3.639	0.0	98	564694	124.4	
36 1,1-Dichloroethane	63	4.017	4.017	0.0	85	326318	28.2	
38 Vinyl acetate	43	4.072	4.072	0.0	97	2334826	116.7	
42 2,2-Dichloropropane	77	4.541	4.541	0.0	92	122939	26.4	
43 cis-1,2-Dichloroethene	96	4.572	4.572	0.0	70	182747	26.2	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	868016	121.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.803	4.803	0.0	92	84838	25.2	
49 Tetrahydrofuran	42	4.834	4.834	0.0	90	598207	117.6	
50 Chloroform	85	4.877	4.877	0.0	81	195741	26.1	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	92	189511	26.2	
52 Cyclohexane	56	5.029	5.029	0.0	92	311565	20.4	
53 Carbon tetrachloride	117	5.151	5.151	0.0	81	169438	22.9	
54 1,1-Dichloropropene	75	5.157	5.157	0.0	94	247687	26.9	
56 Benzene	78	5.358	5.358	0.0	97	750975	26.9	
57 1,2-Dichloroethane	62	5.413	5.413	0.0	89	278965	25.7	
61 Trichloroethene	95	5.974	5.974	0.0	93	174131	26.5	
62 Methylcyclohexane	83	6.108	6.108	0.0	93	240654	18.6	
63 1,2-Dichloropropane	63	6.200	6.200	0.0	90	184723	25.5	
65 Dibromomethane	93	6.334	6.334	0.0	92	107281	24.1	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	201212	23.5	
70 2-Chloroethyl vinyl ether	63	6.760	6.760	0.0	92	820555	118.0	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	87	278199	23.4	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	97	1677114	111.8	
74 Toluene	92	7.205	7.205	0.0	98	468732	26.9	
76 trans-1,3-Dichloropropene	75	7.468	7.468	0.0	92	266421	22.9	
78 Ethyl methacrylate	69	7.522	7.522	0.0	91	320643	23.3	
79 1,1,2-Trichloroethane	83	7.657	7.657	0.0	88	141265	24.6	
80 Tetrachloroethene	166	7.748	7.748	0.0	92	186283	29.3	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	93	330662	25.3	
82 2-Hexanone	43	7.882	7.882	0.0	98	1314457	107.7	
83 Chlorodibromomethane	129	8.059	8.059	0.0	91	130446	21.6	
84 Ethylene Dibromide	107	8.163	8.163	0.0	98	184537	24.7	
86 Chlorobenzene	112	8.650	8.650	0.0	91	517344	27.4	
89 Ethylbenzene	91	8.748	8.748	0.0	99	881821	27.3	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	76	149063	24.6	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	98	718617	55.6	
91 o-Xylene	106	9.296	9.296	0.0	97	345856	27.5	
92 Styrene	104	9.321	9.321	0.0	95	602500	26.6	
93 Bromoform	173	9.559	9.559	0.0	95	84253	20.1	
95 Isopropylbenzene	105	9.674	9.674	0.0	96	895658	24.6	
97 Bromobenzene	156	10.016	10.016	0.0	97	207711	24.7	
98 1,1,2,2-Tetrachloroethane	83	10.046	10.046	0.0	89	275159	20.4	
99 1,2,3-Trichloropropane	110	10.083	10.083	0.0	79	96313	21.2	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	77	409942	95.0	
101 N-Propylbenzene	91	10.101	10.101	0.0	95	1072488	25.0	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	200784	25.1	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	91	793612	25.6	
105 4-Chlorotoluene	126	10.308	10.308	0.0	97	217222	26.1	
106 tert-Butylbenzene	134	10.589	10.589	0.0	93	169066	26.6	
107 1,2,4-Trimethylbenzene	105	10.638	10.638	0.0	97	798173	25.4	
109 sec-Butylbenzene	105	10.796	10.796	0.0	94	977042	26.6	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	96	437518	26.5	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	96	805323	27.2	
113 1,4-Dichlorobenzene	146	11.016	11.016	0.0	93	459284	26.6	
115 n-Butylbenzene	91	11.314	11.314	0.0	98	743440	26.5	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	95	428874	25.8	
117 1,2-Dibromo-3-Chloropropane	75	12.083	12.083	0.0	76	61601	18.1	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	92	273946	26.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	12.881	12.881	0.0	94	104679	39.8	
121 Naphthalene	128	12.979	12.979	0.0	98	941199	23.2	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	92	249167	35.2	
S 123 Total BTEX	1				0		164.2	
S 124 Xylenes, Total	1				0		83.0	
S 125 1,2-Dichloroethene, Total	1				0		50.8	
S 126 1,3-Dichloropropene, Total	1				0		46.3	

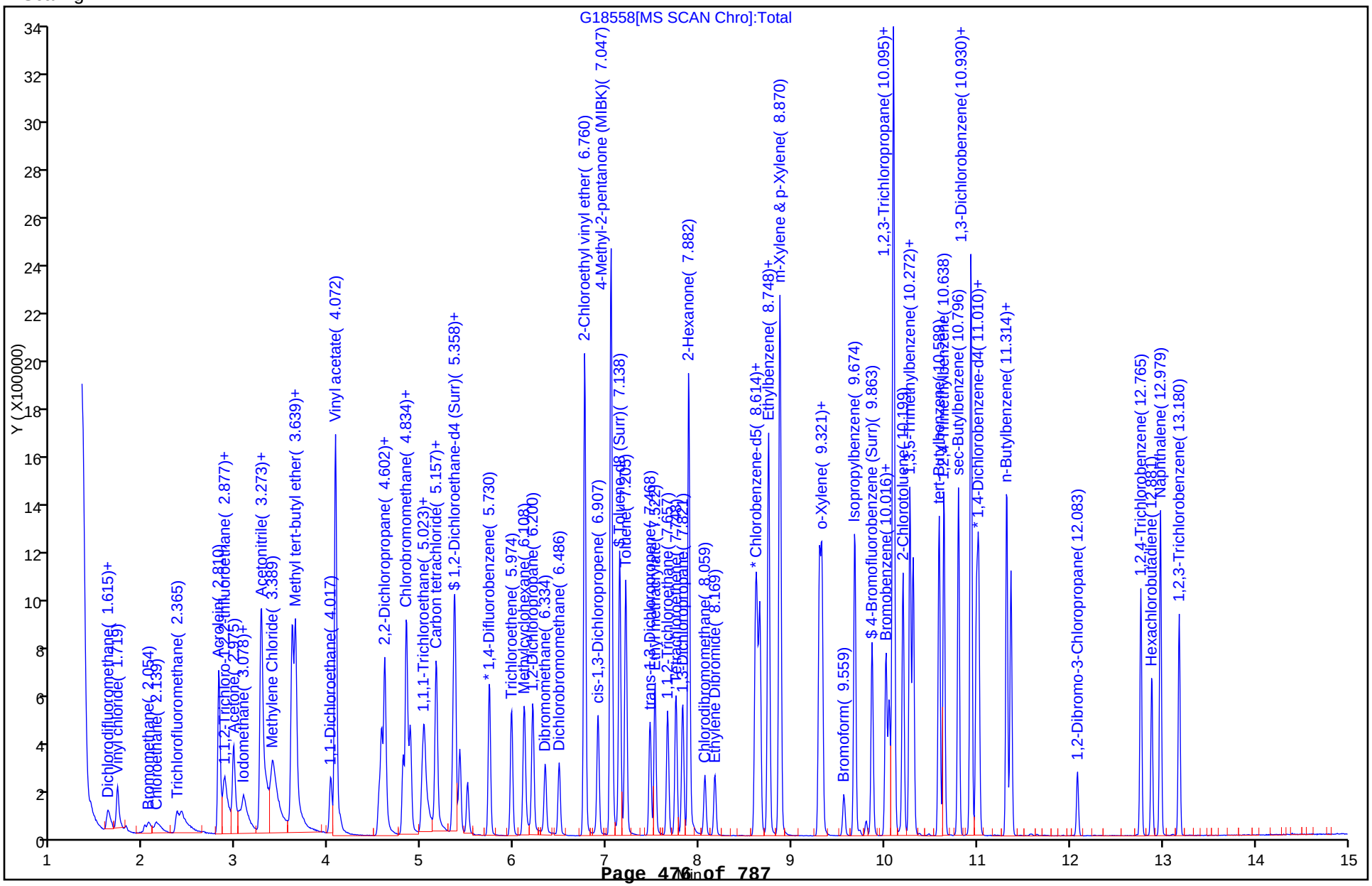
Report Date: 30-Dec-2012 15:55:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18558.D

Injection Date:	30-Dec-2012 14:54:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	2
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97832/3 Calibration Date: 12/30/2012 15:16

Instrument ID: HP5973G Calib Start Date: 12/12/2012 17:29

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/12/2012 19:23

Lab File ID: G18559.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	0.2589	0.2602		25.1	25.0	0.5	50.0
Toluene-d8 (Surr)	Ave	2.548	2.846		27.9	25.0	11.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7180	0.8715		30.3	25.0	21.4	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18559.D
Lims ID: CCV Client ID:
Inject. Date: 30-Dec-2012 15:16:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017942-003 =480-0017942-003
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 97832 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 30-Dec-2012 15:55:31 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: diasn Date: 30-Dec-2012 15:38:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	482471	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	250448	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	236140	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	125560	25.1	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	92	712751	27.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	83	218274	30.3	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	77	234593	24.9	
16 Dichlorofluoromethane	67	2.359	2.359	0.0	83	322519	31.7	
18 Ethyl ether	59	2.657	2.657	0.0	92	149282	29.0	
68 Propene oxide	58	2.737	2.737	0.0	95	261604	142.0	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	340475	401.7	
26 3-Chloro-1-propene	41	3.243	3.243	0.0	88	226239	33.4	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	97	755913	419.6	
34 Hexane	57	3.828	3.828	0.0	96	221002	23.9	
37 Isopropyl ether	45	4.053	4.053	0.0	93	604298	25.2	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	89	240269	25.2	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	93	307101	116.5	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	97	563650	25.0	
45 Ethyl acetate	43	4.645	4.645	0.0	100	315313	25.2	
46 Propionitrile	54	4.687	4.687	0.0	99	413229	236.8	
47 Methacrylonitrile	41	4.809	4.809	0.0	95	187618	26.7	
55 Isobutyl alcohol	43	5.352	5.352	0.0	95	676641	837.9	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	98	542493	26.1	
59 n-Heptane	43	5.559	5.559	0.0	94	262463	23.6	
60 n-Butanol	56	5.974	5.974	0.0	92	395333	610.6	
64 Methyl methacrylate	41	6.303	6.303	0.0	90	236972	23.7	
66 1,4-Dioxane	88	6.352	6.352	0.0	88	96565	658.5	
69 2-Nitropropane	43	6.724	6.724	0.0	98	262850	63.0	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	651497	438.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97	7.339	7.339	0.0	97	587150	22.5	
77 3-Methylthiophene	97	7.504	7.504	0.0	99	597944	24.0	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	91	228088	25.1	
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	96	225383	25.3	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	95	233177	25.5	
96 Cyclohexanone	55	9.827	9.827	0.0	95	367872	683.6	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	201115	27.2	
108 Pentachloroethane	167	10.638	10.638	0.0	77	79220	22.5	
112 Dicyclopentadiene	66	11.003	11.003	0.0	97	855215	25.1	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	96	812131	27.6	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	96	313239	32.9	

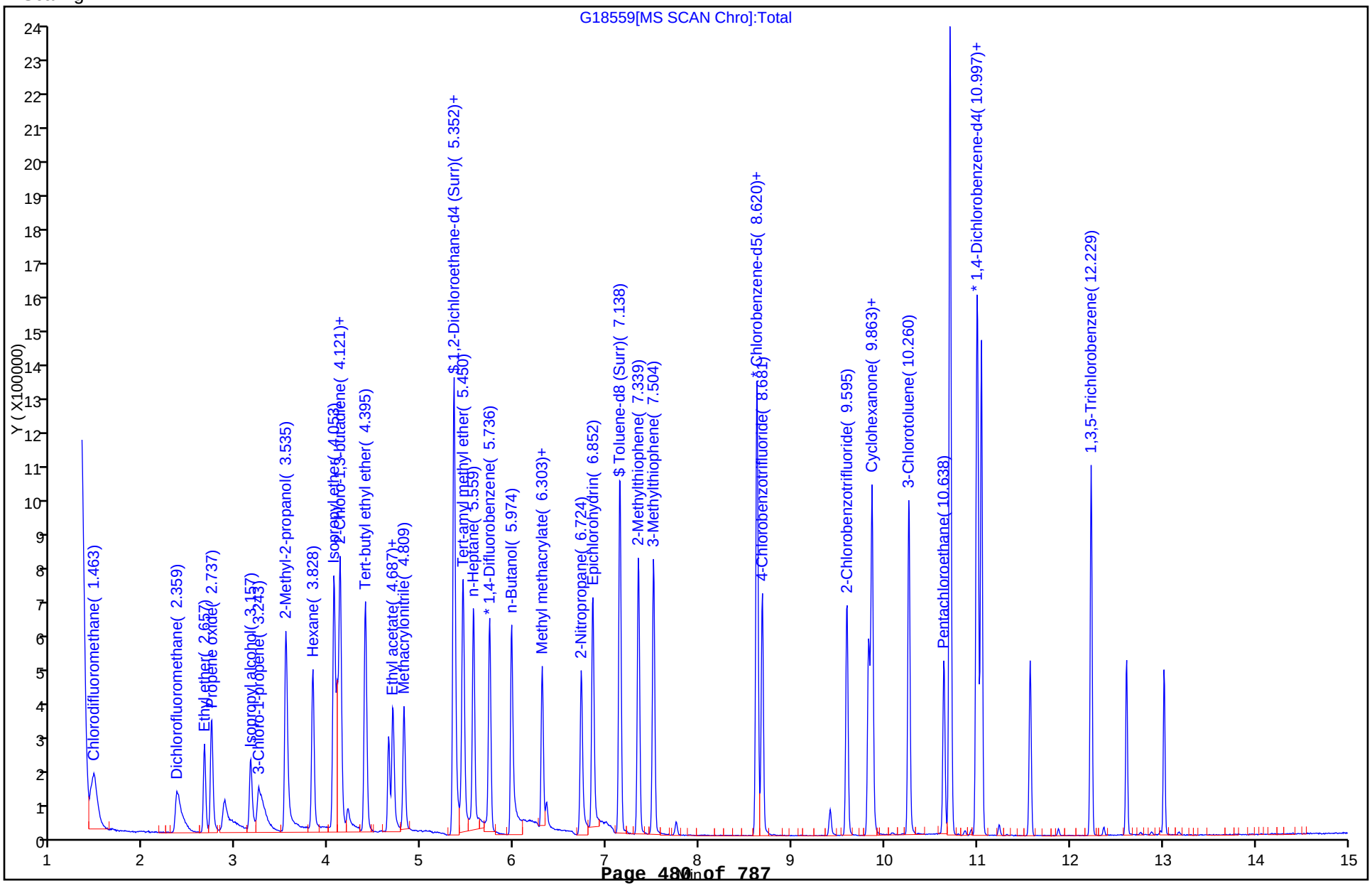
Report Date: 30-Dec-2012 15:55:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18559.D

Injection Date:	30-Dec-2012 15:16:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	3
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97832/3 Calibration Date: 12/30/2012 15:16

Instrument ID: HP5973G Calib Start Date: 12/13/2012 15:41

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/13/2012 17:35

Lab File ID: G18559.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
Chlorodifluoromethane	Ave	0.4887	0.4862		24.9	25.0	-0.5	50.0
Dichlorofluoromethane	Ave	0.5265	0.6685		31.7	25.0	27.0	50.0
Ethyl ether	Ave	0.2670	0.3094		29.0	25.0	15.9	50.0
Isopropyl alcohol	Ave	0.0439	0.0353		402	500	-19.7	50.0
Allyl chloride	Ave	0.3507	0.4689		33.4	25.0	33.7	50.0
t-Butyl alcohol	Ave	0.0934	0.0783		420	500	-16.1	50.0
Hexane	Lin1		0.4581		23.9	25.0	-4.3	50.0
Isopropyl ether	Ave	1.243	1.253		25.2	25.0	0.8	50.0
Chloroprene	Ave	0.4948	0.4980		25.2	25.0	0.6	50.0
1,1-Dimethoxyethane	Ave	0.1366	0.1273		116	125	-6.8	50.0
Tert-butyl ethyl ether	Ave	1.170	1.168		25.0	25.0	-0.1	50.0
Ethyl acetate	Ave	0.6478	0.6535		25.2	25.0	0.9	50.0
Propionitrile	Ave	0.0904	0.0857		237	250	-5.3	50.0
Methacrylonitrile	Ave	0.3645	0.3889		26.7	25.0	6.7	50.0
Isobutyl alcohol	Ave	0.0418	0.0351		838	1000	-16.2	50.0
Tert-amyl methyl ether	Ave	1.078	1.124		26.1	25.0	4.3	50.0
n-Heptane	Ave	0.5761	0.5440		23.6	25.0	-5.6	50.0
n-Butanol	Ave	0.0335	0.0205		611	1000	-38.9	50.0
Methyl methacrylate	Ave	0.5190	0.4912		23.7	25.0	-5.4	50.0
1,4-Dioxane	Ave	0.0146	0.0096		658	1000	-34.2	50.0
2-Nitropropane	Ave	0.4414	0.2226		63.0	125	-49.6	50.0
Epichlorohydrin	Ave	0.0770	0.0675		439	500	-12.3	50.0
2-Methylthiophene	Ave	2.768	2.486		22.5	25.0	-10.2	50.0
3-Methylthiophene	Lin1		2.532		24.0	25.0	-3.9	50.0
3-Chlorobenzotrifluoride	Lin1		0.9659		25.1	25.0	0.3	50.0
p-Monochlorobenzotrifluoride	Lin1		0.9545		25.3	25.0	1.3	50.0
2-Chlorobenzotrifluoride	Lin1		0.9875		25.5	25.0	2.1	50.0
Cyclohexanone	Ave	0.0570	0.1558		684	250	173.4*	50.0
3-Chlorotoluene	Ave	0.7831	0.8517		27.2	25.0	8.8	50.0
Pentachloroethane	Ave	0.3721	0.3355		22.5	25.0	-9.8	50.0
Dicyclopentadiene	Ave	3.605	3.622		25.1	25.0	0.4	50.0
1,2,3-Trimethylbenzene	Ave	3.111	3.439		27.6	25.0	10.5	50.0
1,3,5-Trichlorobenzene	Ave	1.008	1.327		32.9	25.0	31.6	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18559.D
Lims ID: CCV Client ID:
Inject. Date: 30-Dec-2012 15:16:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017942-003 =480-0017942-003
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 2
Lims Batch ID: 97832 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 30-Dec-2012 15:55:31 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: diasn Date: 30-Dec-2012 15:38:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	482471	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	250448	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	236140	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	125560	25.1	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	92	712751	27.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	83	218274	30.3	
11 Chlorodifluoromethane	51	1.469	1.469	0.0	77	234593	24.9	
16 Dichlorofluoromethane	67	2.359	2.359	0.0	83	322519	31.7	
18 Ethyl ether	59	2.657	2.657	0.0	92	149282	29.0	
68 Propene oxide	58	2.737	2.737	0.0	95	261604	142.0	
25 Isopropyl alcohol	45	3.157	3.157	0.0	98	340475	401.7	
26 3-Chloro-1-propene	41	3.243	3.243	0.0	88	226239	33.4	
30 2-Methyl-2-propanol	59	3.535	3.535	0.0	97	755913	419.6	
34 Hexane	57	3.828	3.828	0.0	96	221002	23.9	
37 Isopropyl ether	45	4.053	4.053	0.0	93	604298	25.2	
39 2-Chloro-1,3-butadiene	53	4.090	4.090	0.0	89	240269	25.2	
40 1,1-Dimethoxyethane	75	4.121	4.121	0.0	93	307101	116.5	
41 Tert-butyl ethyl ether	59	4.395	4.395	0.0	97	563650	25.0	
45 Ethyl acetate	43	4.645	4.645	0.0	100	315313	25.2	
46 Propionitrile	54	4.687	4.687	0.0	99	413229	236.8	
47 Methacrylonitrile	41	4.809	4.809	0.0	95	187618	26.7	
55 Isobutyl alcohol	43	5.352	5.352	0.0	95	676641	837.9	
58 Tert-amyl methyl ether	73	5.450	5.450	0.0	98	542493	26.1	
59 n-Heptane	43	5.559	5.559	0.0	94	262463	23.6	
60 n-Butanol	56	5.974	5.974	0.0	92	395333	610.6	
64 Methyl methacrylate	41	6.303	6.303	0.0	90	236972	23.7	
66 1,4-Dioxane	88	6.352	6.352	0.0	88	96565	658.5	
69 2-Nitropropane	43	6.724	6.724	0.0	98	262850	63.0	
71 Epichlorohydrin	57	6.852	6.852	0.0	99	651497	438.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97	7.339	7.339	0.0	97	587150	22.5	
77 3-Methylthiophene	97	7.504	7.504	0.0	99	597944	24.0	
85 3-Chlorobenzotrifluoride	180	8.620	8.620	0.0	91	228088	25.1	
87 4-Chlorobenzotrifluoride	180	8.681	8.681	0.0	96	225383	25.3	
94 2-Chlorobenzotrifluoride	180	9.595	9.595	0.0	95	233177	25.5	
96 Cyclohexanone	55	9.827	9.827	0.0	95	367872	683.6	
103 3-Chlorotoluene	126	10.260	10.260	0.0	98	201115	27.2	
108 Pentachloroethane	167	10.638	10.638	0.0	77	79220	22.5	
112 Dicyclopentadiene	66	11.003	11.003	0.0	97	855215	25.1	
114 1,2,3-Trimethylbenzene	105	11.046	11.046	0.0	96	812131	27.6	
118 1,3,5-Trichlorobenzene	180	12.229	12.229	0.0	96	313239	32.9	

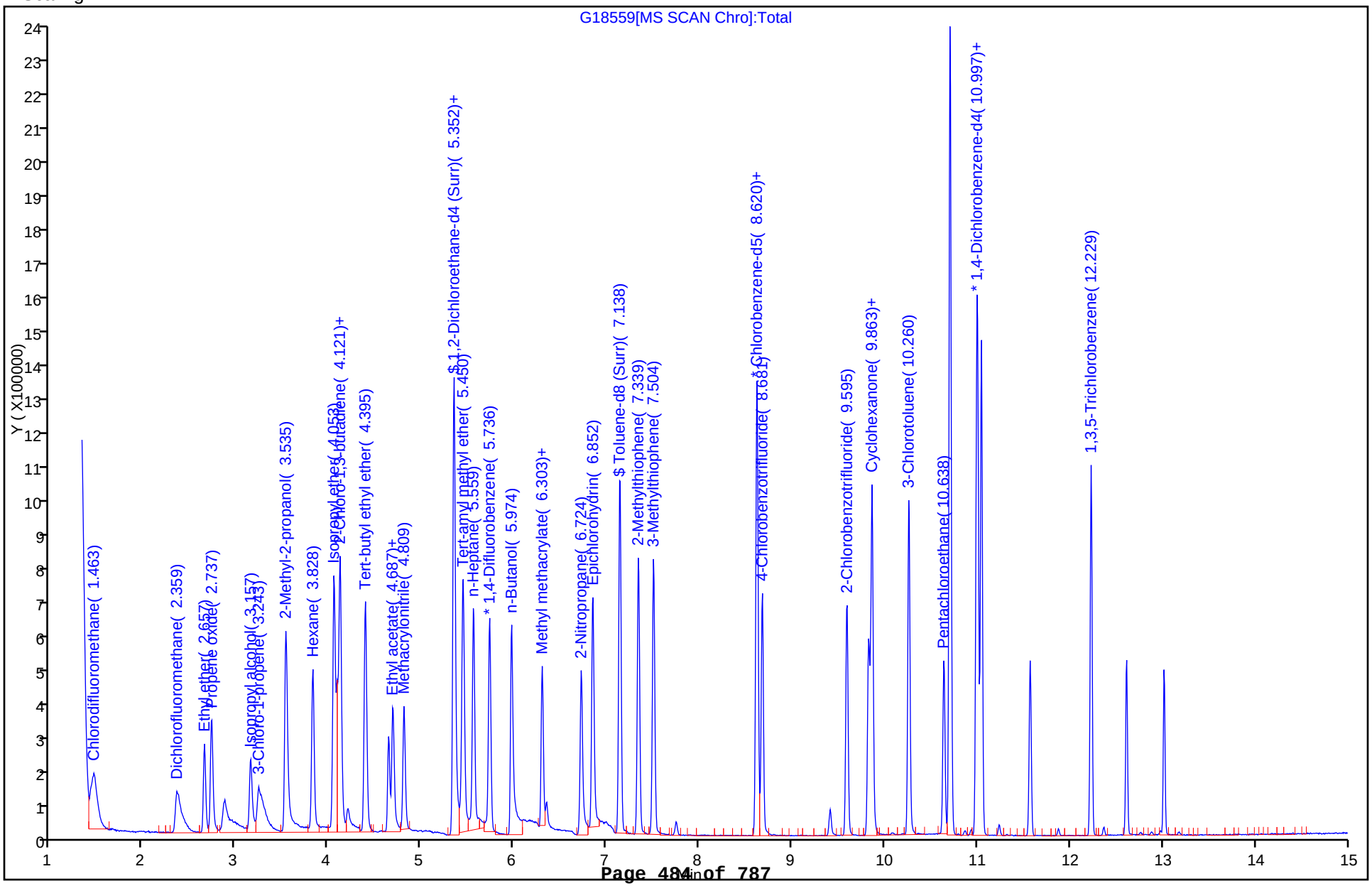
Report Date: 30-Dec-2012 15:55:31 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18559.D

Injection Date:	30-Dec-2012 15:16:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	3
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97675/2 Calibration Date: 12/28/2012 12:21

Instrument ID: HP5973S Calib Start Date: 12/24/2012 11:33

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/24/2012 13:22

Lab File ID: S21609.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	0.2298	0.2575		28.0	25.0	12.0	50.0
Chloromethane	Ave	0.3479	0.3843	0.1000	27.6	25.0	10.5	50.0
Vinyl chloride	Ave	0.3350	0.3787		28.3	25.0	13.1	20.0
Bromomethane	Ave	0.1144	0.1146		25.0	25.0	0.1	50.0
Chloroethane	Ave	0.1489	0.1522		25.6	25.0	2.3	50.0
Trichlorofluoromethane	Lin1		0.3128		23.7	25.0	-5.1	50.0
Acrolein	Ave	0.0423	0.0477		564	500	12.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2237	0.2195		24.5	25.0	-1.9	50.0
1,1-Dichloroethene	Ave	0.2679	0.2946	0.1000	27.5	25.0	10.0	20.0
Acetone	Ave	0.1135	0.1307		144	125	15.1	50.0
Iodomethane	Ave	0.2837	0.2733		24.1	25.0	-3.7	50.0
Carbon disulfide	Ave	0.6338	0.5741		22.6	25.0	-9.4	50.0
Methyl acetate	Ave	0.3822	0.4204		27.5	25.0	10.0	50.0
Acetonitrile	Ave	0.0252	0.0302		1200	1000	20.2	50.0
Methylene Chloride	Ave	0.3459	0.3350		24.2	25.0	-3.1	50.0
Methyl tert-butyl ether	Ave	0.8558	0.9284		27.1	25.0	8.5	50.0
trans-1,2-Dichloroethene	Ave	0.2849	0.2990		26.2	25.0	5.0	50.0
Acrylonitrile	Ave	0.1492	0.1629		136	125	9.1	50.0
1,1-Dichloroethane	Ave	0.5036	0.5325		26.4	25.0	5.7	50.0
Vinyl acetate	Ave	0.5990	0.6384		133	125	6.6	50.0
2,2-Dichloropropane	Lin		0.1395		24.6	25.0	-1.7	50.0
cis-1,2-Dichloroethene	Ave	0.3058	0.3227		26.4	25.0	5.5	50.0
2-Butanone (MEK)	Ave	0.1935	0.2170		140	125	12.1	50.0
Bromochloromethane	Ave	0.1356	0.1381		25.5	25.0	1.9	50.0
Tetrahydrofuran	Ave	0.1271	0.1416		139	125	11.4	50.0
Chloroform	Ave	0.4955	0.5223		26.4	25.0	5.4	20.0
1,1,1-Trichloroethane	Lin2		0.2934		25.1	25.0	0.6	50.0
Cyclohexane	Ave	0.5329	0.5336		25.0	25.0	0.1	50.0
Carbon tetrachloride	Lin		0.1957		19.9	25.0	-20.3	50.0
1,1-Dichloropropene	Ave	0.3838	0.4180		27.2	25.0	8.9	50.0
Benzene	Ave	1.179	1.261		26.7	25.0	6.9	50.0
1,2-Dichloroethane	Ave	0.4137	0.4438		26.8	25.0	7.3	50.0
Trichloroethene	Ave	0.2830	0.3065		27.1	25.0	8.3	50.0
Methylcyclohexane	Ave	0.4739	0.4781		25.2	25.0	0.9	50.0
1,2-Dichloropropane	Ave	0.2872	0.3112		27.1	25.0	8.4	20.0
Dibromomethane	Ave	0.1609	0.1781		27.7	25.0	10.7	50.0
Bromodichloromethane	Lin1		0.3062		21.2	25.0	-15.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1910	0.2173		142	125	13.8	50.0
cis-1,3-Dichloropropene	Lin1		0.4191		23.4	25.0	-6.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.7237	0.8049		139	125	11.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97675/2 Calibration Date: 12/28/2012 12:21

Instrument ID: HP5973S Calib Start Date: 12/24/2012 11:33

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/24/2012 13:22

Lab File ID: S21609.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	1.438	1.491		25.9	25.0	3.7	20.0
trans-1,3-Dichloropropene	Lin1		0.7001		22.0	25.0	-12.2	50.0
Ethyl methacrylate	Lin1		0.8245		24.6	25.0	-1.5	50.0
1,1,2-Trichloroethane	Ave	0.4356	0.4489		25.8	25.0	3.1	50.0
Tetrachloroethene	Ave	0.5300	0.5526		26.1	25.0	4.3	50.0
1,3-Dichloropropane	Ave	0.9250	0.9630		26.0	25.0	4.1	50.0
2-Hexanone	Ave	0.5278	0.5951		141	125	12.8	50.0
Dibromochloromethane	Lin1		0.3380		17.9	25.0	-28.5	50.0
1,2-Dibromoethane	Ave	0.4888	0.5240		26.8	25.0	7.2	50.0
Chlorobenzene	Ave	1.538	1.566	0.3000	25.5	25.0	1.8	50.0
Ethylbenzene	Ave	2.724	2.839		26.1	25.0	4.2	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.3580		19.7	25.0	-21.0	50.0
m&p-Xylene	Ave	1.021	1.058		51.8	50.0	3.6	50.0
o-Xylene	Ave	1.025	1.031		25.2	25.0	0.6	50.0
Styrene	Ave	1.738	1.803		25.9	25.0	3.8	50.0
Bromoform	Lin		0.1818	0.1000	16.7	25.0	-33.0	50.0
Isopropylbenzene	Ave	2.971	3.249		27.3	25.0	9.3	50.0
Bromobenzene	Ave	0.7077	0.7618		26.9	25.0	7.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8629	0.9321	0.3000	27.0	25.0	8.0	50.0
N-Propylbenzene	Ave	3.592	3.987		27.8	25.0	11.0	50.0
1,2,3-Trichloropropane	Ave	0.2678	0.2808		26.2	25.0	4.8	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2346	0.2623		140	125	11.8	50.0
2-Chlorotoluene	Ave	0.6879	0.7215		26.2	25.0	4.9	50.0
1,3,5-Trimethylbenzene	Ave	2.503	2.728		27.2	25.0	9.0	50.0
4-Chlorotoluene	Ave	0.7137	0.7559		26.5	25.0	5.9	50.0
tert-Butylbenzene	Ave	0.5208	0.5555		26.7	25.0	6.7	50.0
1,2,4-Trimethylbenzene	Ave	2.512	2.731		27.2	25.0	8.7	50.0
sec-Butylbenzene	Ave	3.040	3.354		27.6	25.0	10.4	50.0
1,3-Dichlorobenzene	Ave	1.349	1.432		26.5	25.0	6.2	50.0
4-Isopropyltoluene	Ave	2.439	2.690		27.6	25.0	10.3	50.0
1,4-Dichlorobenzene	Ave	1.421	1.473		25.9	25.0	3.6	50.0
n-Butylbenzene	Ave	2.381	2.714		28.5	25.0	13.9	50.0
1,2-Dichlorobenzene	Ave	1.329	1.379		25.9	25.0	3.8	50.0
1,2-Dibromo-3-Chloropropane	Lin		0.1240		20.7	25.0	-17.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8291	0.8736		26.3	25.0	5.4	50.0
Hexachlorobutadiene	Ave	0.1631	0.1700		26.1	25.0	4.3	50.0
Naphthalene	Ave	0.9484	1.024		27.0	25.0	8.0	50.0
1,2,3-Trichlorobenzene	Ave	0.3230	0.3219		24.9	25.0	-0.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1738	0.1796		25.8	25.0	3.3	50.0
Toluene-d8 (Surr)	Ave	1.988	2.048		25.7	25.0	3.0	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6188	0.5771		23.3	25.0	-6.7	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21609.D
Lims ID: CCVIS Client ID:
Inject. Date: 28-Dec-2012 12:21:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0017912-002 =480-0017912-002
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 5
Lims Batch ID: 97675 Lims Sample ID: 2
Sublist: chrom-S-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 28-Dec-2012 12:40:44 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: fergusont Date: 28-Dec-2012 12:40:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	771288	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.958	0.0	87	409074	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.820	0.0	87	344094	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.452	4.452	0.0	54	138543	25.8	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	78	837599	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	80	236083	23.3	
10 Dichlorodifluoromethane	85	1.167	1.167	0.0	87	198601	28.0	
12 Chloromethane	50	1.288	1.288	0.0	88	296415	27.6	
13 Vinyl chloride	62	1.398	1.398	0.0	70	292082	28.3	
14 Bromomethane	94	1.623	1.623	0.0	88	88360	25.0	
15 Chloroethane	64	1.720	1.720	0.0	94	117412	25.6	
17 Trichlorofluoromethane	101	1.945	1.945	0.0	76	241271	23.7	
20 Acrolein	56	2.322	2.322	0.0	99	736278	563.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	52	169275	24.5	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	88	227246	27.5	
23 Acetone	43	2.468	2.468	0.0	99	503972	143.9	
25 Iodomethane	142	2.529	2.529	0.0	96	210802	24.1	
26 Carbon disulfide	76	2.560	2.560	0.0	97	442780	22.6	
27 Methyl acetate	43	2.730	2.730	0.0	96	324264	27.5	
29 Acetonitrile	40	2.754	2.754	0.0	99	933012	1202.0	
30 Methylene Chloride	84	2.852	2.852	0.0	86	258408	24.2	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	90	716040	27.1	
34 trans-1,2-Dichloroethene	96	2.992	2.992	0.0	60	230619	26.2	
33 Acrylonitrile	53	3.065	3.065	0.0	100	628009	136.4	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	85	410718	26.4	
37 Vinyl acetate	43	3.411	3.411	0.0	97	2461821	133.2	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	92	107590	24.6	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	70	248907	26.4	
43 2-Butanone (MEK)	43	3.868	3.868	0.0	99	836926	140.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
48 Chlorobromomethane	128	4.014	4.014	0.0	91	106548	25.5	
49 Tetrahydrofuran	42	4.032	4.032	0.0	90	546126	139.3	
50 Chloroform	83	4.075	4.075	0.0	63	402847	26.4	
52 Cyclohexane	56	4.166	4.166	0.0	88	411523	25.0	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	75	226277	25.1	
55 Carbon tetrachloride	117	4.275	4.275	0.0	51	150974	19.9	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	94	322415	27.2	
57 Benzene	78	4.452	4.452	0.0	96	972661	26.7	
58 1,2-Dichloroethane	62	4.513	4.513	0.0	73	342296	26.8	
62 Trichloroethene	95	4.932	4.932	0.0	94	236414	27.1	
64 Methylcyclohexane	83	5.024	5.024	0.0	94	368757	25.2	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	91	239992	27.1	
67 Dibromomethane	93	5.230	5.230	0.0	88	137400	27.7	
68 Dichlorobromomethane	83	5.352	5.352	0.0	93	236145	21.2	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	91	837934	142.2	
72 cis-1,3-Dichloropropene	75	5.668	5.668	0.0	89	323229	23.4	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	1646388	139.0	
74 Toluene	92	5.887	5.887	0.0	95	609939	25.9	
77 trans-1,3-Dichloropropene	75	6.100	6.100	0.0	92	286390	22.0	
75 Ethyl methacrylate	69	6.137	6.137	0.0	72	337267	24.6	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	87	183649	25.8	
81 Tetrachloroethene	166	6.283	6.283	0.0	78	226046	26.1	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	93	393936	26.0	
80 2-Hexanone	43	6.423	6.423	0.0	80	1217167	140.9	
83 Chlorodibromomethane	129	6.544	6.544	0.0	87	138245	17.9	
84 Ethylene Dibromide	107	6.624	6.624	0.0	97	214339	26.8	
87 Chlorobenzene	112	6.976	6.976	0.0	83	640620	25.5	
88 Ethylbenzene	91	7.043	7.043	0.0	99	1161449	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	36	146461	19.7	
90 m-Xylene & p-Xylene	106	7.135	7.135	0.0	99	865314	51.8	
91 o-Xylene	106	7.451	7.451	0.0	98	421701	25.2	
92 Styrene	104	7.475	7.475	0.0	95	737681	25.9	
95 Bromoform	173	7.664	7.664	0.0	97	74365	16.7	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	1117825	27.3	
101 Bromobenzene	156	8.011	8.011	0.0	95	262131	26.9	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	80	320743	27.0	
99 N-Propylbenzene	91	8.065	8.065	0.0	89	1372026	27.8	
100 1,2,3-Trichloropropane	110	8.078	8.078	0.0	62	96609	26.2	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	87	451353	139.8	
103 2-Chlorotoluene	126	8.151	8.151	0.0	91	248251	26.2	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	91	938793	27.2	
105 4-Chlorotoluene	126	8.242	8.242	0.0	98	260097	26.5	
106 tert-Butylbenzene	134	8.473	8.473	0.0	90	191158	26.7	
107 1,2,4-Trimethylbenzene	105	8.516	8.516	0.0	50	939783	27.2	
109 sec-Butylbenzene	105	8.643	8.643	0.0	95	1154137	27.6	
111 1,3-Dichlorobenzene	146	8.759	8.759	0.0	84	492632	26.5	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	96	925712	27.6	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	93	506796	25.9	
115 n-Butylbenzene	91	9.100	9.100	0.0	95	933713	28.5	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	91	474581	25.9	
117 1,2-Dibromo-3-Chloropropane	75	9.817	9.817	0.0	64	42671	20.7	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	91	300595	26.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
120 Hexachlorobutadiene	225	10.572	10.572	0.0	94	131147	26.1	
121 Naphthalene	128	10.675	10.675	0.0	97	789903	27.0	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	94	248264	24.9	
S 125 1,2-Dichloroethene, Total	1				0		52.6	
S 126 1,3-Dichloropropene, Total	1				0		45.4	
S 123 Total BTEX	1				0		155.7	
S 124 Xylenes, Total	1				0		76.9	

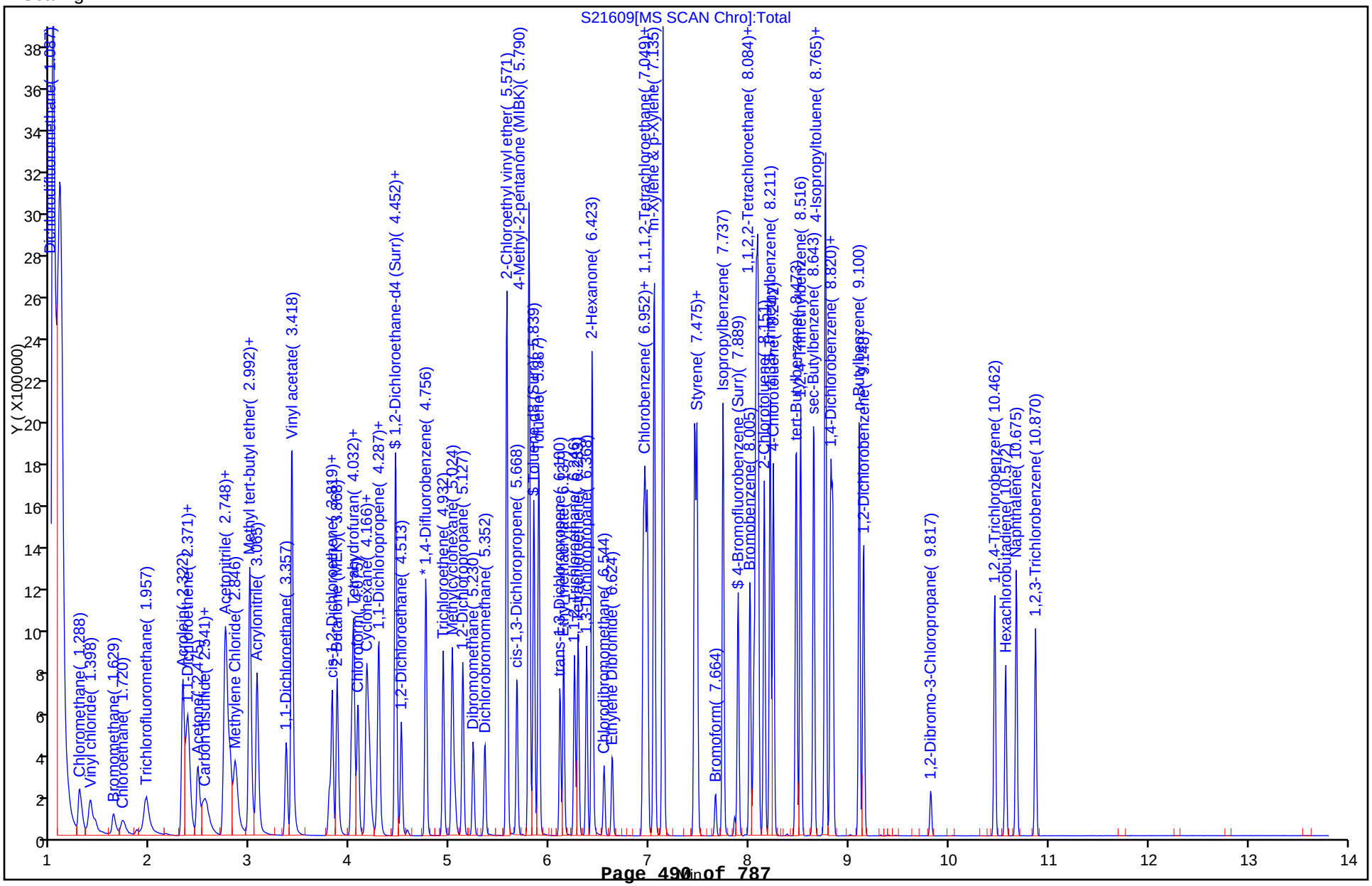
Report Date: 28-Dec-2012 12:40:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21609.D

Injection Date:	28-Dec-2012 12:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	2
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97675/3 Calibration Date: 12/28/2012 12:59

Instrument ID: HP5973S Calib Start Date: 12/24/2012 11:33

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/24/2012 13:22

Lab File ID: S21610.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	0.1738	0.1883		27.1	25.0	8.3	50.0
Toluene-d8 (Surr)	Ave	1.988	2.092		26.3	25.0	5.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6188	0.5837		23.6	25.0	-5.7	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21610.D
Lims ID: CCV Client ID:
Inject. Date: 28-Dec-2012 12:59:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017912-003 =480-0017912-003
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 97675 Lims Sample ID: 3
Sublist: chrom-S-8260*sub11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 28-Dec-2012 13:54:17 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: fergusont Date: 28-Dec-2012 13:54:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	770027	25.0	
* 2 Chlorobenzene-d5	82	6.952	6.952	0.0	88	413300	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.819	8.819	0.0	77	347507	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	97	145021	27.1	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	85	864807	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	241249	23.6	
11 Chlorodifluoromethane	51	1.191	1.191	0.0	72	126074	17.0	
16 Dichlorofluoromethane	67	1.915	1.915	0.0	83	324740	25.7	
18 Ethyl ether	59	2.152	2.152	0.0	93	223365	25.5	
19 Propene oxide	58	2.231	2.231	0.0	88	358063	130.9	
24 Isopropyl alcohol	45	2.632	2.632	0.0	98	492680	502.1	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	89	353966	26.8	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	97	779720	601.8	
35 Hexane	57	3.162	3.162	0.0	92	300162	22.3	
36 Isopropyl ether	45	3.375	3.375	0.0	96	821844	24.2	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	90	347655	24.0	
38 1,1-Dimethoxyethane	75	3.442	3.442	0.0	91	193385	160.1	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	99	743093	27.0	
42 Ethyl acetate	43	3.892	3.892	0.0	99	308335	26.8	
46 Propionitrile	54	3.959	3.959	0.0	99	515400	272.2	
47 Methacrylonitrile	41	4.044	4.044	0.0	92	196915	26.3	
53 Isobutyl alcohol	43	4.476	4.476	0.0	95	635116	1836.3	
56 Tert-amyl methyl ether	73	4.518	4.518	0.0	76	601309	26.7	
59 n-Heptane	43	4.591	4.591	0.0	94	315034	22.4	
60 n-Butanol	56	4.969	4.969	0.0	89	429612	1077.5	
63 Methyl methacrylate	41	5.206	5.206	0.0	93	259825	26.5	
66 1,4-Dioxane	88	5.242	5.242	0.0	83	150581	1102.1	
70 2-Nitropropane	43	5.559	5.559	0.0	95	154497	89.1	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	739089	582.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97	5.991	5.991	0.0	97	800932	25.3	
78 3-Methylthiophene	97	6.118	6.118	0.0	99	796007	25.2	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	77	287937	23.2	
86 4-Chlorobenzotrifluoride	180	6.994	6.994	0.0	86	279969	22.0	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	98	297179	23.3	
96 Cyclohexanone	55	7.883	7.883	0.0	81	271855	300.3	
104 3-Chlorotoluene	126	8.205	8.205	0.0	97	244056	23.9	
108 Pentachloroethane	167	8.515	8.515	0.0	59	67890	21.1	
114 Dicyclopentadiene	66	8.813	8.813	0.0	94	974455	23.2	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	67	897157	23.9	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	328989	24.0	

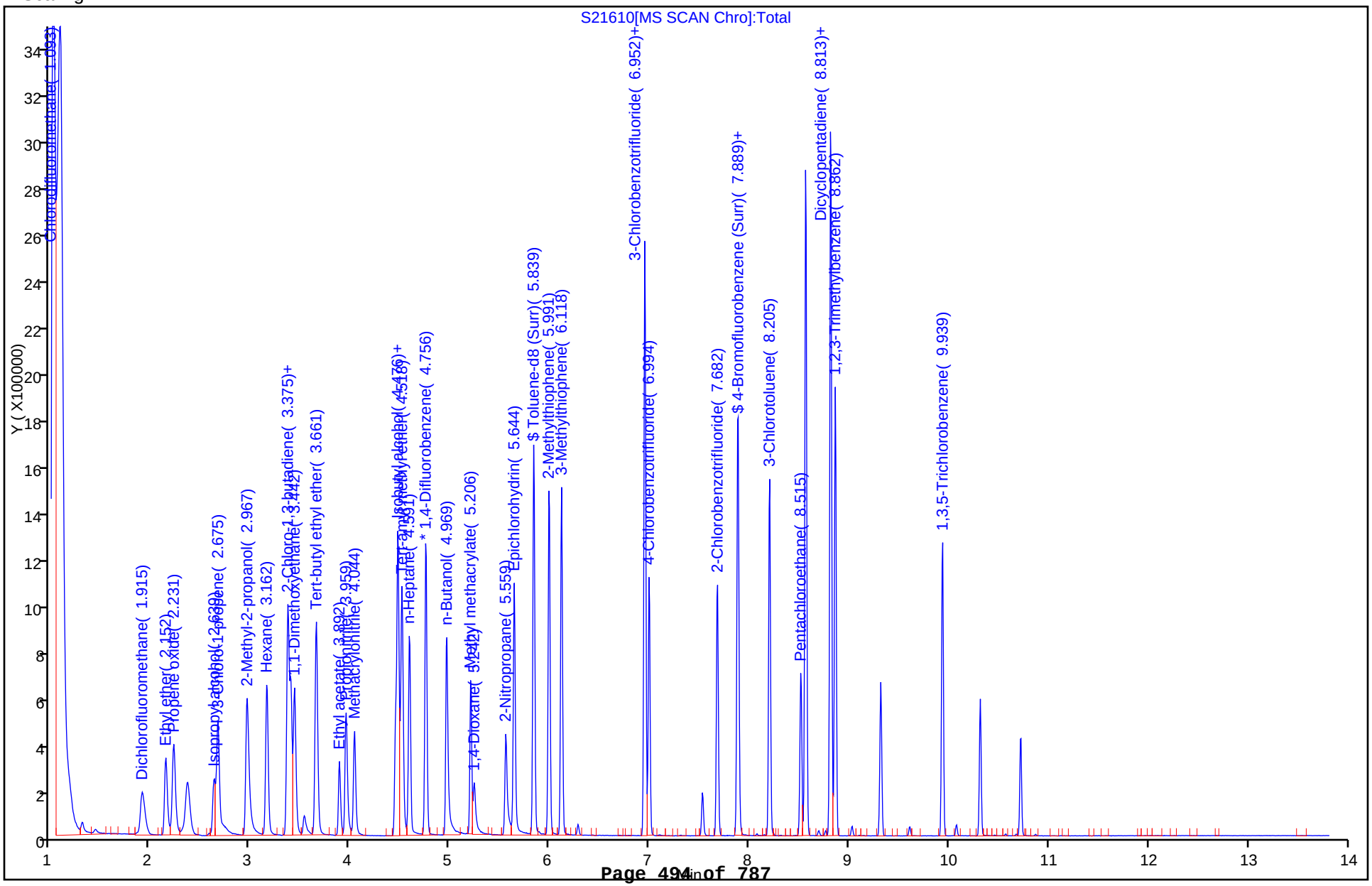
Report Date: 28-Dec-2012 13:54:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21610.D

Injection Date:	28-Dec-2012 12:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	3
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97675/3 Calibration Date: 12/28/2012 12:59

Instrument ID: HP5973S Calib Start Date: 12/24/2012 15:32

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 12/24/2012 17:20

Lab File ID: S21610.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
Chlorodifluoromethane	Lin1		0.1637		17.0	25.0	-31.8	50.0
Dichlorofluoromethane	Ave	0.4099	0.4217		25.7	25.0	2.9	50.0
Ethyl ether	Ave	0.2845	0.2901		25.5	25.0	2.0	50.0
Isopropyl alcohol	Lin		0.0320		502	500	0.4	50.0
Allyl chloride	Ave	0.3543	0.4597		26.8	25.0	29.8	50.0
2-Methyl-2-propanol	Ave	0.0431	0.0506		602	500	17.4	50.0
Hexane	Ave	0.4374	0.3898		22.3	25.0	-10.9	50.0
Isopropyl ether	Ave	1.096	1.067		24.2	25.0	-2.6	50.0
Chloroprene	Ave	0.4703	0.4515		24.0	25.0	-4.0	50.0
1,1-Dimethoxyethane	Lin1		0.0502		160	125	28.1	50.0
Tert-butyl ethyl ether	Ave	0.8842	0.9650		27.0	25.0	9.1	50.0
Ethyl acetate	Ave	0.3742	0.4004		26.8	25.0	7.0	50.0
Propionitrile	Ave	0.0618	0.0669		272	250	8.3	50.0
Methacrylonitrile	Ave	0.2432	0.2557		26.3	25.0	5.2	50.0
Isobutyl alcohol	Lin1		0.0206		1840	1000	83.6*	50.0
Tert-amyl methyl ether	Ave	0.7265	0.7809		26.7	25.0	7.5	50.0
n-Heptane	Ave	0.4546	0.4091		22.4	25.0	-10.0	50.0
n-Butanol	Lin1		0.0140		1080	1000	7.7	50.0
Methyl methacrylate	Ave	0.3171	0.3374		26.5	25.0	6.4	50.0
1,4-Dioxane	Ave	0.0083	0.0091		1100	1000	10.2	50.0
2-Nitropropane	Lin		0.0889		89.1	125	-28.8	50.0
Epichlorohydrin	Ave	0.0409	0.0480		583	500	17.3	50.0
2-Methylthiophene	Ave	2.284	2.305		25.3	25.0	0.9	50.0
3-Methylthiophene	Ave	2.270	2.291		25.2	25.0	0.9	50.0
3-Chlorobenzotrifluoride	Ave	0.9072	0.8286		23.2	25.0	-8.7	50.0
p-Monochlorobenzotrifluoride	Ave	0.9155	0.8057		22.0	25.0	-12.0	50.0
2-Chlorobenzotrifluoride	Ave	0.9164	0.8552		23.3	25.0	-6.7	50.0
Cyclohexanone	Ave	0.0651	0.0782		300	250	20.1	50.0
3-Chlorotoluene	Ave	0.7357	0.7023		23.9	25.0	-4.5	50.0
Pentachloroethane	Lin		0.1954		21.1	25.0	-15.6	50.0
Dicyclopentadiene	Ave	3.023	2.804		23.2	25.0	-7.2	50.0
1,2,3-Trimethylbenzene	Ave	2.701	2.582		23.9	25.0	-4.4	50.0
1,3,5-Trichlorobenzene	Ave	0.9873	0.9467		24.0	25.0	-4.1	50.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21610.D
Lims ID: CCV Client ID:
Inject. Date: 28-Dec-2012 12:59:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0017912-003 =480-0017912-003
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 6
Lims Batch ID: 97675 Lims Sample ID: 3
Sublist: chrom-S-8260*sub11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 28-Dec-2012 13:54:17 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: fergusont Date: 28-Dec-2012 13:54:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	770027	25.0	
* 2 Chlorobenzene-d5	82	6.952	6.952	0.0	88	413300	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.819	8.819	0.0	77	347507	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	97	145021	27.1	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	85	864807	26.3	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	241249	23.6	
11 Chlorodifluoromethane	51	1.191	1.191	0.0	72	126074	17.0	
16 Dichlorofluoromethane	67	1.915	1.915	0.0	83	324740	25.7	
18 Ethyl ether	59	2.152	2.152	0.0	93	223365	25.5	
19 Propene oxide	58	2.231	2.231	0.0	88	358063	130.9	
24 Isopropyl alcohol	45	2.632	2.632	0.0	98	492680	502.1	
28 3-Chloro-1-propene	41	2.675	2.675	0.0	89	353966	26.8	
31 2-Methyl-2-propanol	59	2.967	2.967	0.0	97	779720	601.8	
35 Hexane	57	3.162	3.162	0.0	92	300162	22.3	
36 Isopropyl ether	45	3.375	3.375	0.0	96	821844	24.2	
40 2-Chloro-1,3-butadiene	53	3.405	3.405	0.0	90	347655	24.0	
38 1,1-Dimethoxyethane	75	3.442	3.442	0.0	91	193385	160.1	
41 Tert-butyl ethyl ether	59	3.661	3.661	0.0	99	743093	27.0	
42 Ethyl acetate	43	3.892	3.892	0.0	99	308335	26.8	
46 Propionitrile	54	3.959	3.959	0.0	99	515400	272.2	
47 Methacrylonitrile	41	4.044	4.044	0.0	92	196915	26.3	
53 Isobutyl alcohol	43	4.476	4.476	0.0	95	635116	1836.3	
56 Tert-amyl methyl ether	73	4.518	4.518	0.0	76	601309	26.7	
59 n-Heptane	43	4.591	4.591	0.0	94	315034	22.4	
60 n-Butanol	56	4.969	4.969	0.0	89	429612	1077.5	
63 Methyl methacrylate	41	5.206	5.206	0.0	93	259825	26.5	
66 1,4-Dioxane	88	5.242	5.242	0.0	83	150581	1102.1	
70 2-Nitropropane	43	5.559	5.559	0.0	95	154497	89.1	
71 Epichlorohydrin	57	5.644	5.644	0.0	98	739089	582.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97	5.991	5.991	0.0	97	800932	25.3	
78 3-Methylthiophene	97	6.118	6.118	0.0	99	796007	25.2	
85 3-Chlorobenzotrifluoride	180	6.952	6.952	0.0	77	287937	23.2	
86 4-Chlorobenzotrifluoride	180	6.994	6.994	0.0	86	279969	22.0	
93 2-Chlorobenzotrifluoride	180	7.682	7.682	0.0	98	297179	23.3	
96 Cyclohexanone	55	7.883	7.883	0.0	81	271855	300.3	
104 3-Chlorotoluene	126	8.205	8.205	0.0	97	244056	23.9	
108 Pentachloroethane	167	8.515	8.515	0.0	59	67890	21.1	
114 Dicyclopentadiene	66	8.813	8.813	0.0	94	974455	23.2	
112 1,2,3-Trimethylbenzene	105	8.862	8.862	0.0	67	897157	23.9	
118 1,3,5-Trichlorobenzene	180	9.939	9.939	0.0	96	328989	24.0	

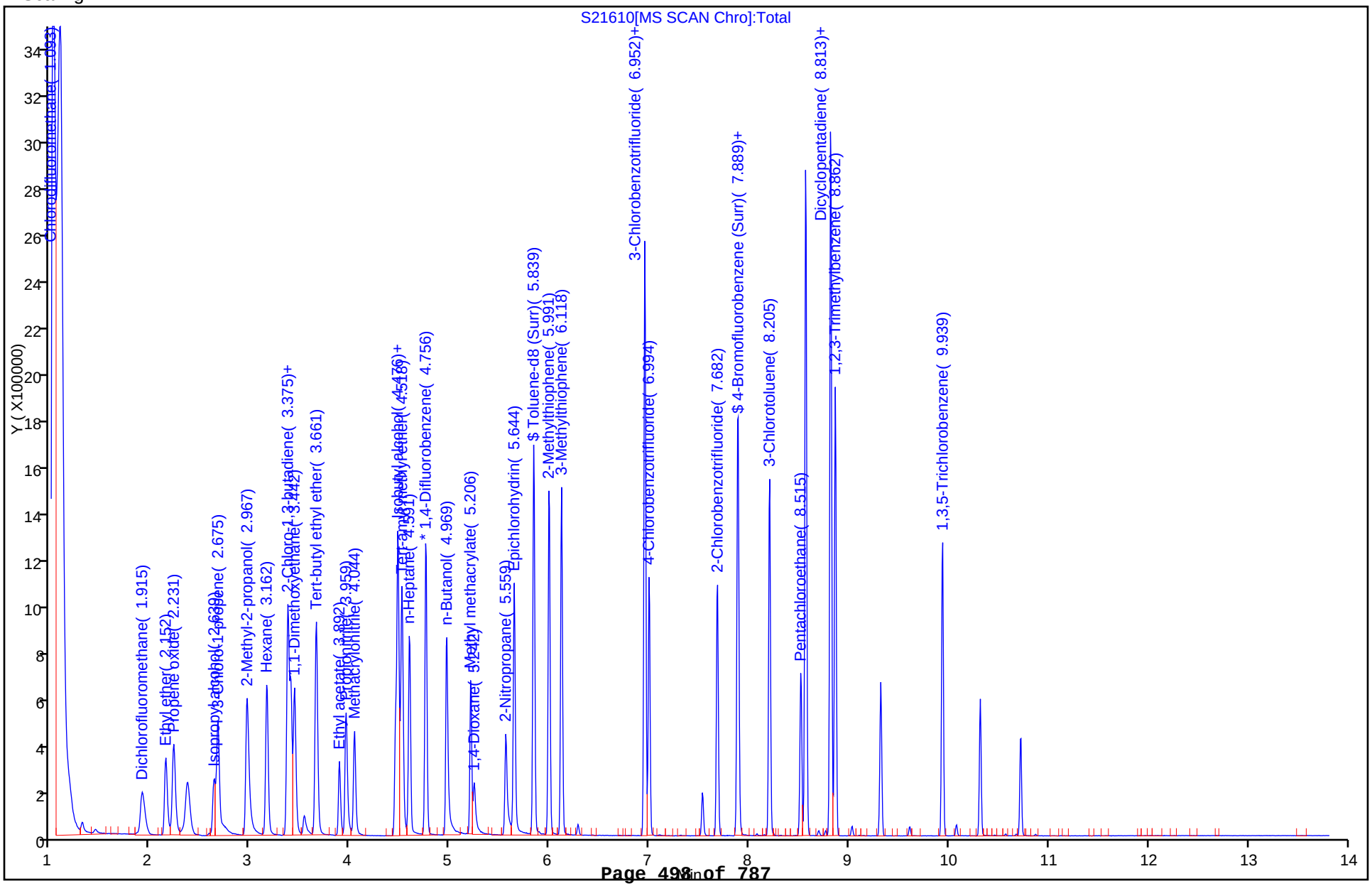
Report Date: 28-Dec-2012 13:54:18 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21610.D

Injection Date:	28-Dec-2012 12:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	3
Operator ID:	TF	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\HP5973G\20121212-17481.b\G17980.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	12-Dec-2012 16:42:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017481-001 =480-0017481-001		
Operator:	TF	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	85
Lims Batch ID:	95471	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121212-17481.b\G-8260.m		
Last Update:	13-Dec-2012 08:29:05	Calib Date:	12-Dec-2012 19:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17987.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK037		
First Level Reviewer: fergusont		Date:	12-Dec-2012 16:52:03

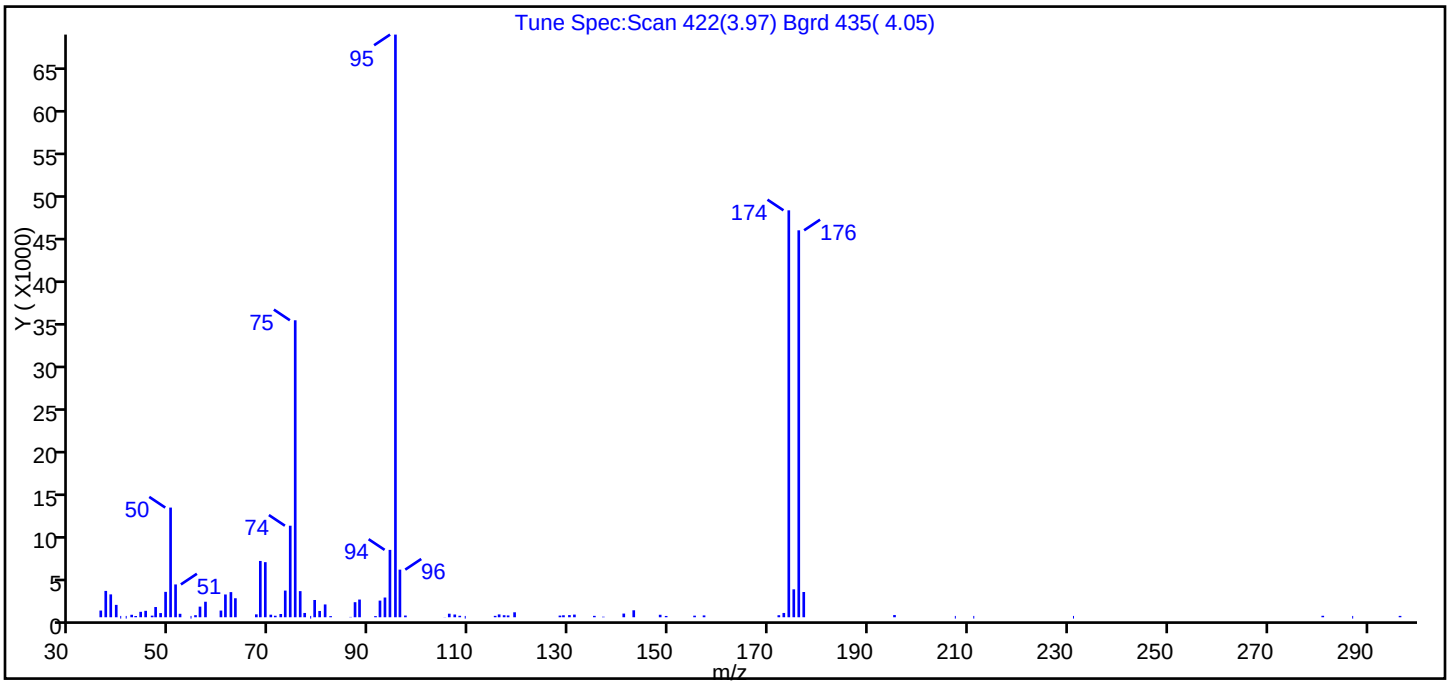
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.962	3.962	0.0	0	131577	0	

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17980.D		
Injection Date:	12-Dec-2012 16:42:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95471	Lims Sample ID:	1
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.82
75	30.00 - 60.00% of mass 95	50.97
96	5.00 - 9.00% of mass 95	8.17
173	Less than 2.00% of mass 174	0.74 (1.06)
174	Greater than 50.00% of mass 95	69.84
175	5.00 - 9.00% of mass 174	4.79 (6.86)
176	95.00 - 101.00% of mass 174	66.41 (95.09)
177	5.00 - 9.00% of mass 176	4.33 (6.53)

Data File: \\Bufchrom\ChromData\HP5973G\20121212-17481.b\G17980.D\G-8260.rslt\spectra.d
Injection Date: 12-Dec-2012 16:42:30
Spectrum: Tune Spec:Scan 422(3.97) Bgrd 435(4.05)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	784	61.00	2662	91.10	133	136.80	61
37.00	3080	62.10	2939	92.00	1946	140.90	431
38.00	2673	63.00	2222	93.00	2305	142.90	815
39.10	1446	67.20	339	94.00	7874	148.20	290
39.90	0	68.00	6579	95.10	68088	149.40	152
41.00	0	69.00	6439	96.00	5564	155.10	185
42.20	290	70.10	299	97.10	200	157.00	214
43.00	144	71.00	177	105.00	16	172.00	237
44.00	635	72.10	380	105.90	415	173.00	503
45.00	752	73.00	3118	107.00	322	174.00	47552
46.30	187	74.00	10697	108.00	173	175.00	3263
47.00	1195	75.00	34704	109.00	0	176.00	45216
48.00	490	76.00	3054	115.10	163	177.00	2951
49.00	2968	76.90	502	115.90	332	195.20	258
50.00	12817	78.00	0	116.90	238	207.30	0
51.00	3835	78.90	2017	117.70	211	211.00	0
51.90	404	79.90	736	119.00	581	231.00	0
54.00	0	81.00	1498	128.10	194	281.10	171
55.00	241	82.10	129	128.80	233	287.00	0
55.90	1241	86.10	39	130.00	253	296.60	160
57.00	1813	87.00	1761	131.00	310		
60.10	783	87.90	2069	135.00	163		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17993.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	13-Dec-2012 14:39:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017502-001 =480-0017502-001		
Operator:	TF	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	95589	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G-8260.m		
Last Update:	13-Dec-2012 17:56:26	Calib Date:	13-Dec-2012 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK014		
First Level Reviewer: larsonr		Date:	13-Dec-2012 17:56:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.949	3.949	0.0	0	97572	0	

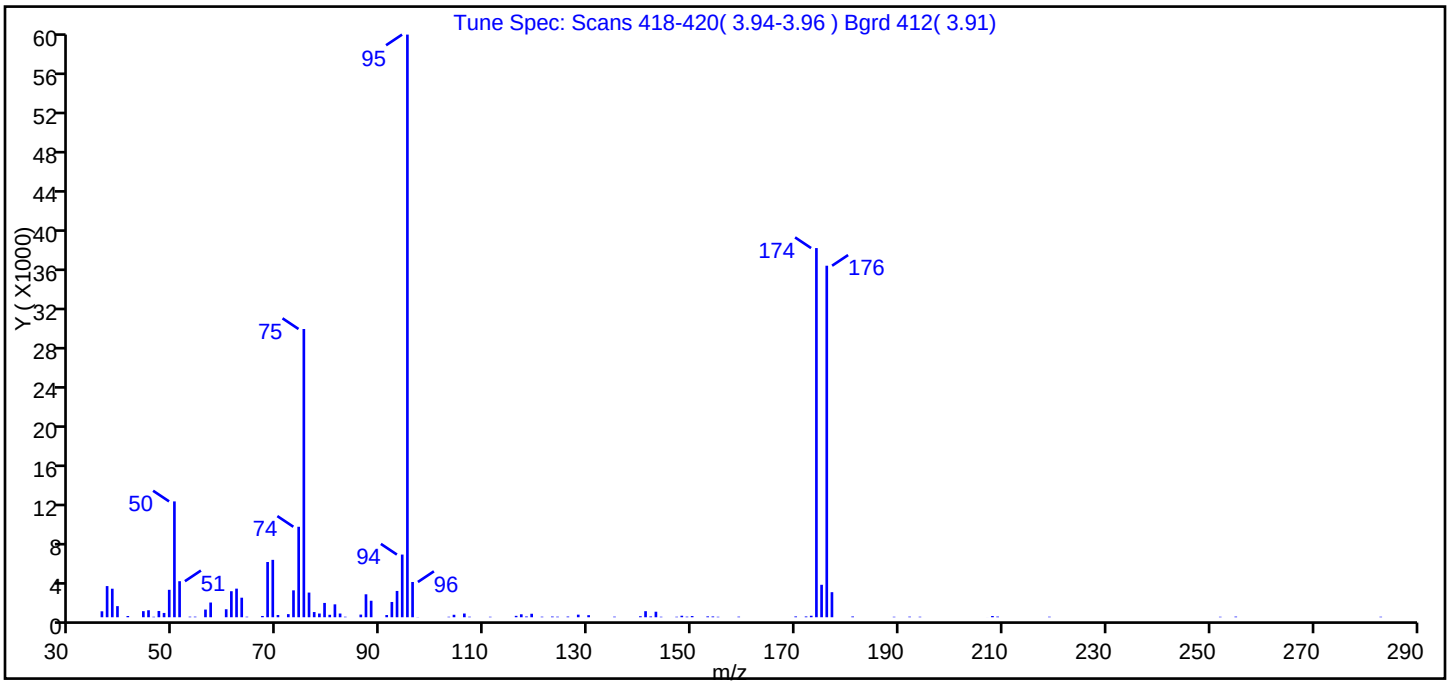
MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17993.D

Injection Date:	13-Dec-2012 14:39:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	95589	Lims Sample ID:	1
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.88
75	30.00 - 60.00% of mass 95	49.47
96	5.00 - 9.00% of mass 95	6.05
173	Less than 2.00% of mass 174	0.26 (0.41)
174	Greater than 50.00% of mass 95	63.36
175	5.00 - 9.00% of mass 174	5.57 (8.79)
176	95.00 - 101.00% of mass 174	60.33 (95.22)
177	5.00 - 9.00% of mass 176	4.30 (7.13)

Data File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G17993.D\G-8260.rslt\spectra.d
Injection Date: 13-Dec-2012 14:39:30
Spectrum: Tune Spec: Scans 418-420(3.94-3.96) Bgrd 412(3.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	606	69.00	5828	103.00	51	150.00	122
37.00	3165	70.00	226	104.00	252	153.00	89
38.00	2898	72.00	317	106.00	379	154.00	82
39.00	1130	73.00	2732	107.00	56	155.00	50
41.00	127	74.00	9187	111.00	50	159.00	62
44.00	619	75.00	29264	116.00	144	170.00	85
45.00	712	76.00	2506	117.00	301	172.00	83
46.00	52	77.00	529	118.00	81	173.00	152
47.00	638	78.00	379	119.00	356	174.00	37480
48.00	437	79.00	1454	121.00	58	175.00	3296
49.00	2787	80.00	249	123.00	73	176.00	35688
50.00	11761	81.00	1311	124.00	59	177.00	2546
51.00	3660	82.00	378	126.00	73	181.00	80
53.00	60	83.00	54	128.00	264	189.00	50
54.00	61	86.00	269	130.00	210	192.00	62
56.00	781	87.00	2332	135.00	61	194.00	53
57.00	1496	88.00	1677	140.00	103	207.00	3
60.00	813	91.00	224	141.00	616	208.00	126
61.00	2644	92.00	1551	142.00	85	209.00	70
62.00	2905	93.00	2671	143.00	562	219.00	55
63.00	1986	94.00	6364	144.00	52	252.00	50
64.00	56	95.00	59152	147.00	53	255.00	67
67.00	129	96.00	3580	148.00	154	283.00	53
68.00	5608	97.00	15	149.00	62		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18530.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	29-Dec-2012 09:50:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017927-001 =480-0017927-001		
Operator:	TF	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	56
Lims Batch ID:	97793	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m		
Last Update:	29-Dec-2012 10:22:25	Calib Date:	13-Dec-2012 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: fergusont		Date:	29-Dec-2012 10:22:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.949	3.949	0.0	0	112621	0	

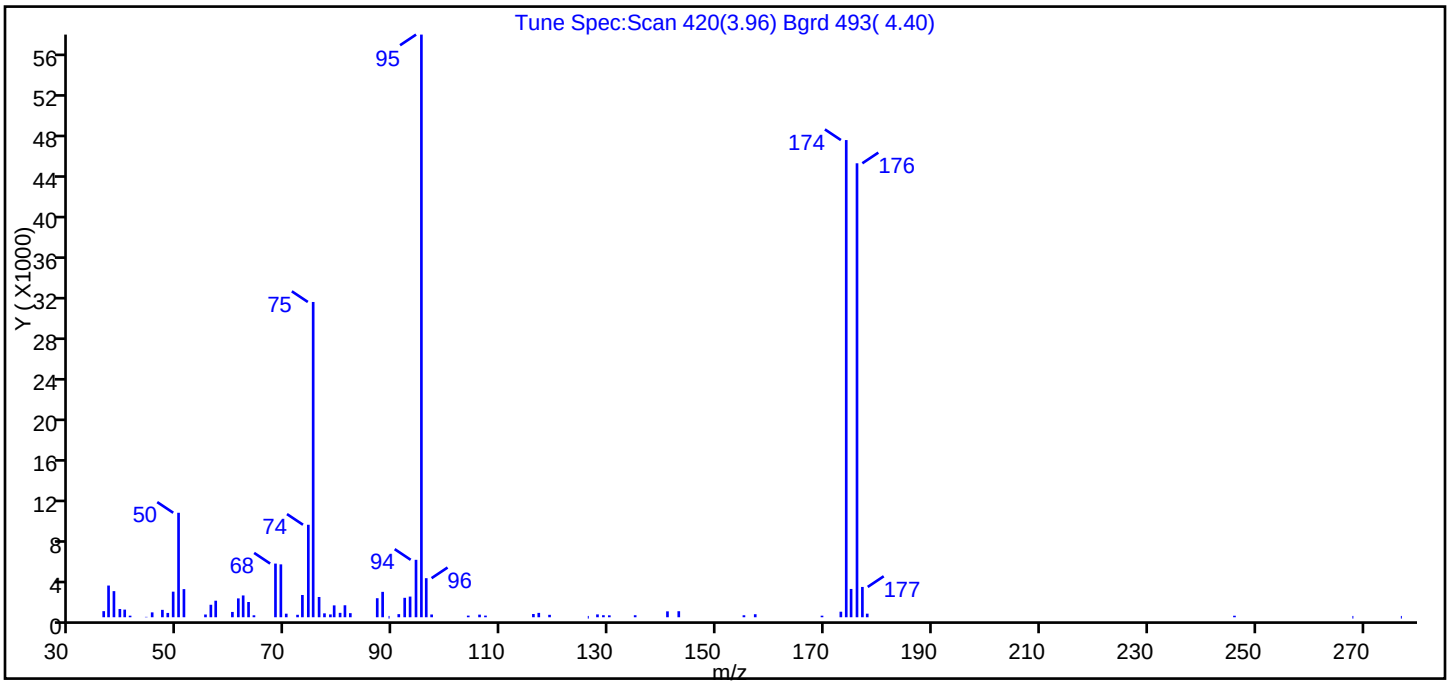
MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18530.D

Injection Date:	29-Dec-2012 09:50:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	1
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.93
75	30.00 - 60.00% of mass 95	54.11
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.95 (1.16)
174	Greater than 50.00% of mass 95	81.90
175	5.00 - 9.00% of mass 174	4.86 (5.93)
176	95.00 - 101.00% of mass 174	77.91 (95.13)
177	5.00 - 9.00% of mass 176	5.20 (6.68)

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18530.D\G-8260.rslt\spectra.d
Injection Date: 29-Dec-2012 09:50:30
Spectrum: Tune Spec:Scan 420(3.96) Bgrd 493(4.40)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 70

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	606	62.00	2164	87.90	2520	130.00	192
37.00	3146	63.00	1513	89.00	0	134.80	200
38.00	2592	64.00	195	90.90	308	140.80	587
39.10	820	68.00	5325	92.00	1929	142.90	600
40.00	758	69.00	5248	93.00	2052	155.00	198
41.00	157	70.00	355	94.10	5699	157.10	302
44.00	39	72.10	245	95.10	57808	169.50	156
45.10	485	73.00	2209	96.00	3877	173.00	551
47.00	735	74.10	9177	97.00	275	174.00	47344
48.00	429	75.00	31280	103.80	163	174.90	2809
49.00	2540	76.10	2011	105.90	260	176.00	45040
50.00	10366	77.10	388	107.00	164	177.00	3008
51.00	2792	78.20	281	115.90	322	177.90	357
55.00	273	78.90	1178	116.90	433	246.10	151
56.00	1239	80.00	437	118.90	242	268.00	0
56.90	1642	80.90	1189	126.00	0	277.00	0
60.00	528	81.90	407	127.80	283		
61.10	1872	86.90	1890	128.90	203		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18557.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	30-Dec-2012 14:19:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017942-001 =480-0017942-001		
Operator:	NMD	Instrument ID:	HP5973G
Purge Vol:	5.000 mL	ALS Bottle#:	1
Lims Batch ID:	97832	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m		
Last Update:	30-Dec-2012 15:54:40	Calib Date:	13-Dec-2012 17:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: ByrnesJ		Date:	30-Dec-2012 15:54:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.925	3.925	0.0	0	149442	0	

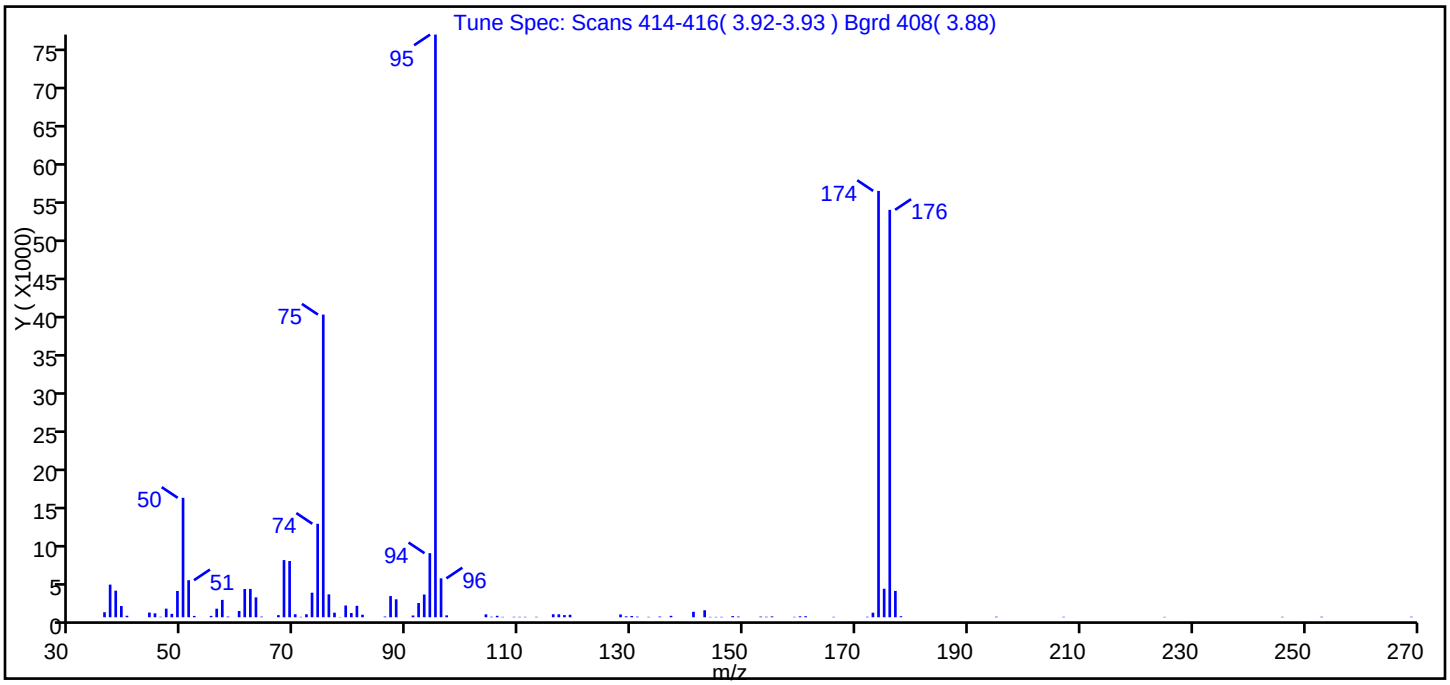
MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18557.D

Injection Date:	30-Dec-2012 14:19:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	1
Operator ID:	NMD	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.50
75	30.00 - 60.00% of mass 95	51.95
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.78 (1.07)
174	Greater than 50.00% of mass 95	73.17
175	5.00 - 9.00% of mass 174	4.90 (6.69)
176	95.00 - 101.00% of mass 174	69.92 (95.56)
177	5.00 - 9.00% of mass 176	4.53 (6.48)

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18557.D\G-8260.rslt\spectra.d
Injection Date: 30-Dec-2012 14:19:30
Spectrum: Tune Spec: Scans 414-416(3.92-3.93) Bgrd 408(3.88)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 95

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	662	68.00	7543	97.00	252	146.00	54
37.00	4309	69.00	7419	104.00	380	148.00	155
38.00	3508	70.00	397	105.00	69	149.00	91
39.00	1482	71.00	54	106.00	193	153.00	88
40.00	199	72.00	395	107.00	51	154.00	67
44.00	623	73.00	3242	109.00	61	155.00	114
45.00	520	74.00	12340	110.00	57	159.00	55
46.00	63	75.00	39944	111.00	56	160.00	124
47.00	1136	76.00	3021	113.00	58	161.00	136
48.00	445	77.00	602	116.00	396	166.00	55
49.00	3465	78.00	39	117.00	390	172.00	67
50.00	15763	79.00	1551	118.00	289	173.00	601
51.00	4889	80.00	559	119.00	330	174.00	56264
52.00	178	81.00	1513	128.00	367	175.00	3766
55.00	182	82.00	335	129.00	121	176.00	53768
56.00	1132	86.00	96	130.00	169	177.00	3482
57.00	2293	87.00	2798	131.00	83	178.00	134
58.00	90	88.00	2370	133.00	56	195.00	73
60.00	826	91.00	232	135.00	92	207.00	57
61.00	3727	92.00	1878	137.00	192	225.00	50
62.00	3740	93.00	3001	141.00	724	246.00	58
63.00	2623	94.00	8456	143.00	926	253.00	67
64.00	83	95.00	76896	144.00	50	269.00	67
67.00	281	96.00	5135	145.00	51		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21537.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	24-Dec-2012 10:22:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017830-001 =480-0017830-001		
Operator:	LH	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	25
Lims Batch ID:	97278	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S-8260.m		
Last Update:	27-Dec-2012 17:38:07	Calib Date:	24-Dec-2012 17:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: HillL		Date:	24-Dec-2012 10:37:32

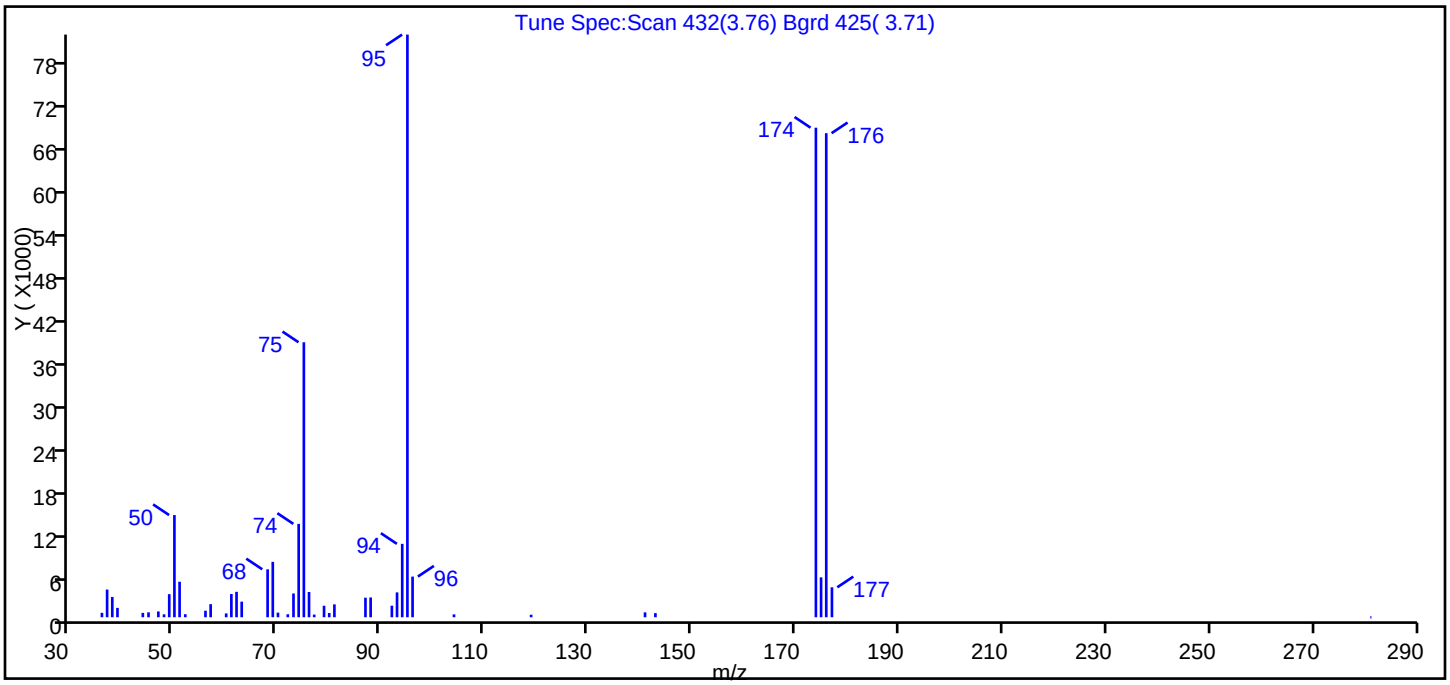
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	3.751	3.751	0.0	0	172080	0	

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21537.D		
Injection Date:	24-Dec-2012 10:22:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97278	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		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.54
75	30.00 - 60.00% of mass 95	47.20
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	84.02
175	5.00 - 9.00% of mass 174	6.85 (8.15)
176	95.00 - 101.00% of mass 174	83.08 (98.88)
177	5.00 - 9.00% of mass 176	5.14 (6.19)

Data File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21537.D\S-8260.rslt\spectra.d
Injection Date: 24-Dec-2012 10:22:30
Spectrum: Tune Spec:Scan 432(3.76) Bgrd 425(3.71)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	621	56.00	915	75.00	38440	96.00	5686
37.00	3871	57.00	1831	76.00	3529	104.00	404
38.00	2836	60.00	539	77.00	375	118.90	358
39.00	1308	61.00	3251	78.90	1609	140.90	687
43.90	611	62.00	3554	79.90	591	142.90	577
45.00	687	63.00	2182	80.90	1801	173.90	68432
46.90	812	68.00	6701	86.90	2734	174.90	5576
48.00	410	69.00	7745	87.90	2764	175.90	67664
49.00	3229	70.00	645	92.00	1615	177.00	4187
50.00	14285	71.90	418	93.00	3478	281.00	0
51.00	4962	73.00	3326	94.00	10261		
52.10	423	74.00	13055	95.00	81448		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21608.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	28-Dec-2012 11:46:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0017912-001 =480-0017912-001		
Operator:	TF	Instrument ID:	HP5973S
Purge Vol:	5.000 mL	ALS Bottle#:	4
Lims Batch ID:	97675	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m		
Last Update:	28-Dec-2012 12:30:03	Calib Date:	24-Dec-2012 17:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Column Type:	ZB-624	Column Dia:	0.25 mm
Process Host:	XAWRK023		
First Level Reviewer: HillL		Date:	28-Dec-2012 12:05:58

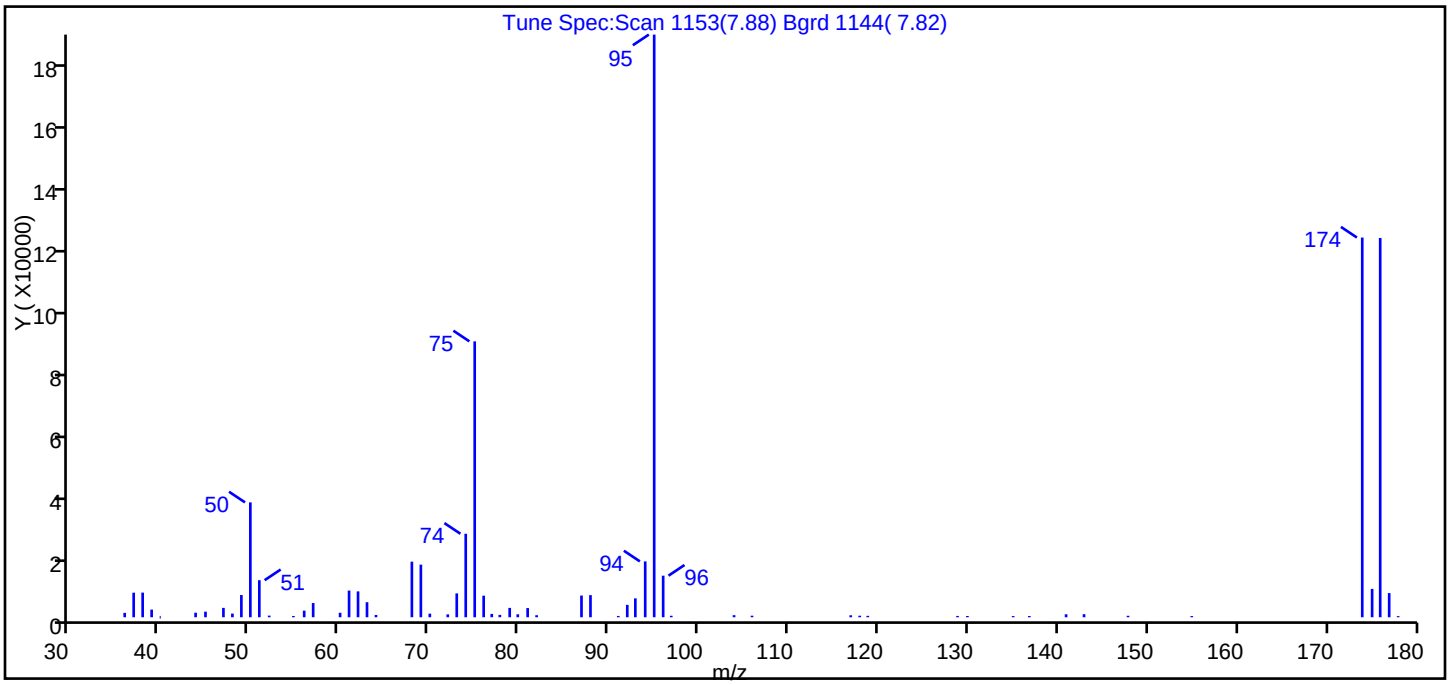
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	7.883	7.883	0.0	0	279399	0	

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21608.D		
Injection Date:	28-Dec-2012 11:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	1
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.71
75	30.00 - 60.00% of mass 95	47.35
96	5.00 - 9.00% of mass 95	7.14
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	65.17
175	5.00 - 9.00% of mass 174	4.86 (7.46)
176	95.00 - 101.00% of mass 174	65.09 (99.89)
177	5.00 - 9.00% of mass 176	4.15 (6.37)

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21608.D\S-8260.rslt\spectra.d
Injection Date: 28-Dec-2012 11:46:30
Spectrum: Tune Spec:Scan 1153(7.88) Bgrd 1144(7.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1368	60.00	1402	79.80	921	118.80	443
37.00	7661	61.00	8325	80.90	2872	128.80	414
38.00	7688	62.00	8073	81.90	641	129.90	391
39.00	2388	63.00	4695	86.90	6776	135.00	376
39.90	0	64.00	710	87.90	6906	136.80	386
43.90	1421	68.00	17344	91.00	408	140.90	929
45.00	1744	69.00	16416	92.00	3863	142.90	953
47.00	2924	70.00	1125	92.90	5889	147.80	464
48.00	1146	72.00	902	94.00	17424	154.90	369
49.00	6937	73.00	7444	95.00	181760	173.90	118448
50.00	35832	74.00	26048	96.00	12969	175.00	8842
51.00	11561	75.00	86064	96.90	465	175.90	118312
52.10	512	76.00	6732	103.90	647	176.90	7535
54.80	403	76.90	1043	105.90	487	177.90	355
56.00	2054	77.80	740	116.90	615		
57.00	4433	78.90	2918	117.90	484		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97675/5

Matrix: Water | Lab File ID: S21612.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 13:42

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-97675/5

Matrix: Water Lab File ID: S21612.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 13:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97675/5

Matrix: Water | Lab File ID: S21612.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 13:42

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

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\HP5973S\20121228-17912.b\S21612.D
Lims ID: MB Client ID:
Inject. Date: 28-Dec-2012 13:42:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0017912-005 =480-0017912-005
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 8
Lims Batch ID: 97675 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 28-Dec-2012 20:05:13 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 09:47:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	765464	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	86	399559	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	95	330168	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	96	139379	26.2	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	84	843967	26.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	225497	22.8	
136 Nitrobenzene	77		0.000					
135 Hexachloroethane	117		0.000					
137 Methyl acrylate	1		0.000					
138 cis-1,4-Dichloro-2-butene	88		0.000					
142 Ethyl acrylate	1		0.000					
134 Pentachloroethane TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.167					
11 Chlorodifluoromethane	51		1.191					
12 Chloromethane	50		1.288					
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
16 Dichlorofluoromethane	67		1.915					
17 Trichlorofluoromethane	101		1.945					
18 Ethyl ether	59		2.152					
19 Propene oxide	58		2.231					
20 Acrolein	56		2.322					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.365					
22 1,1-Dichloroethene	96		2.377					
23 Acetone	43		2.468					1
25 Iodomethane	142		2.529					
26 Carbon disulfide	76		2.560					
24 Isopropyl alcohol	45		2.632					
28 3-Chloro-1-propene	41		2.675					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
27 Methyl acetate	43		2.730					
29 Acetonitrile	40		2.754					19
30 Methylene Chloride	84	2.846	2.852	-0.006	17	2820	0.2663	
31 2-Methyl-2-propanol	59		2.967					
32 Methyl tert-butyl ether	73		2.992					
34 trans-1,2-Dichloroethene	96		2.992					
33 Acrylonitrile	53		3.065					
35 Hexane	57		3.162					
39 1,1-Dichloroethane	63		3.357					
36 Isopropyl ether	45		3.375					
40 2-Chloro-1,3-butadiene	53		3.405					
37 Vinyl acetate	43		3.411					
38 1,1-Dimethoxyethane	75		3.442					
139 Halothane	117		3.523					
41 Tert-butyl ethyl ether	59		3.661					
44 2,2-Dichloropropane	77		3.795					
45 cis-1,2-Dichloroethene	96		3.819					
43 2-Butanone (MEK)	43		3.868					
42 Ethyl acetate	43		3.892					
46 Propionitrile	54		3.959					
48 Chlorobromomethane	128		4.014					
49 Tetrahydrofuran	42		4.032					
47 Methacrylonitrile	41		4.044					
50 Chloroform	83		4.075					
52 Cyclohexane	56		4.166					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
54 1,1-Dichloropropene	75		4.287					
57 Benzene	78		4.452					
53 Isobutyl alcohol	43		4.476					
58 1,2-Dichloroethane	62		4.513					
56 Tert-amyl methyl ether	73		4.518					
59 n-Heptane	43		4.591					
62 Trichloroethene	95		4.932					19
60 n-Butanol	56		4.969					
141 2,4,4-Trimethyl-1-pentene	55		4.971					
64 Methylcyclohexane	83		5.024					
65 1,2-Dichloropropane	63		5.127					
140 2,4,4-Trimethyl-2-pentene	97		5.153					
63 Methyl methacrylate	41		5.206					
67 Dibromomethane	93		5.230					
66 1,4-Dioxane	88		5.242					
68 Dichlorobromomethane	83		5.352					
70 2-Nitropropane	43		5.559					
69 2-Chloroethyl vinyl ether	63		5.571					
71 Epichlorohydrin	57		5.644					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92		5.887					
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 Ethyl methacrylate	69		6.137					
79 1,1,2-Trichloroethane	83		6.246					
81 Tetrachloroethene	166		6.283					
82 1,3-Dichloropropane	76		6.368					
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
84 Ethylene Dibromide	107		6.624					
85 3-Chlorobenzotrifluoride	180		6.952					
87 Chlorobenzene	112		6.976					
86 4-Chlorobenzotrifluoride	180		6.994					
88 Ethylbenzene	91		7.043					
89 1,1,1,2-Tetrachloroethane	131		7.049					
90 m-Xylene & p-Xylene	106		7.135					
91 o-Xylene	106		7.451					
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
93 2-Chlorobenzotrifluoride	180		7.682					
94 Isopropylbenzene	105		7.737					
96 Cyclohexanone	55		7.883					
101 Bromobenzene	156		8.011					
97 1,1,2,2-Tetrachloroethane	83		8.047					
99 N-Propylbenzene	91		8.065					
100 1,2,3-Trichloropropane	110		8.078					
98 trans-1,4-Dichloro-2-butene	53		8.090					
103 2-Chlorotoluene	126		8.151					
104 3-Chlorotoluene	126		8.205					
102 1,3,5-Trimethylbenzene	105		8.211					
105 4-Chlorotoluene	126		8.242					
106 tert-Butylbenzene	134		8.473					
108 Pentachloroethane	167		8.515					
107 1,2,4-Trimethylbenzene	105		8.516					
109 sec-Butylbenzene	105		8.643					
111 1,3-Dichlorobenzene	146		8.759					
110 4-Isopropyltoluene	119		8.765					19
114 Dicyclopentadiene	66		8.813					149
113 1,4-Dichlorobenzene	146		8.838					
112 1,2,3-Trimethylbenzene	105		8.862					
115 n-Butylbenzene	91		9.100					
116 1,2-Dichlorobenzene	146		9.148					
117 1,2-Dibromo-3-Chloropropane	75		9.817					
118 1,3,5-Trichlorobenzene	180		9.939					
119 1,2,4-Trichlorobenzene	180		10.462					
120 Hexachlorobutadiene	225	10.572	10.572	0.0	1	1121	0.2245	
121 Naphthalene	128		10.675					19
122 1,2,3-Trichlorobenzene	180		10.870					19
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 130 Bromoethane TIC	1		0.000					1
T 129 bis(chloromethyl)ether TIC	1		0.000					1
T 132 tert-amyl alcohol TIC	1		0.000					1

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
T 131 1-Bromopropane	1		0.000					1
T 133 Aziridine TIC	1		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 Ethylene oxide	44		1.528					

QC Flag Legend

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

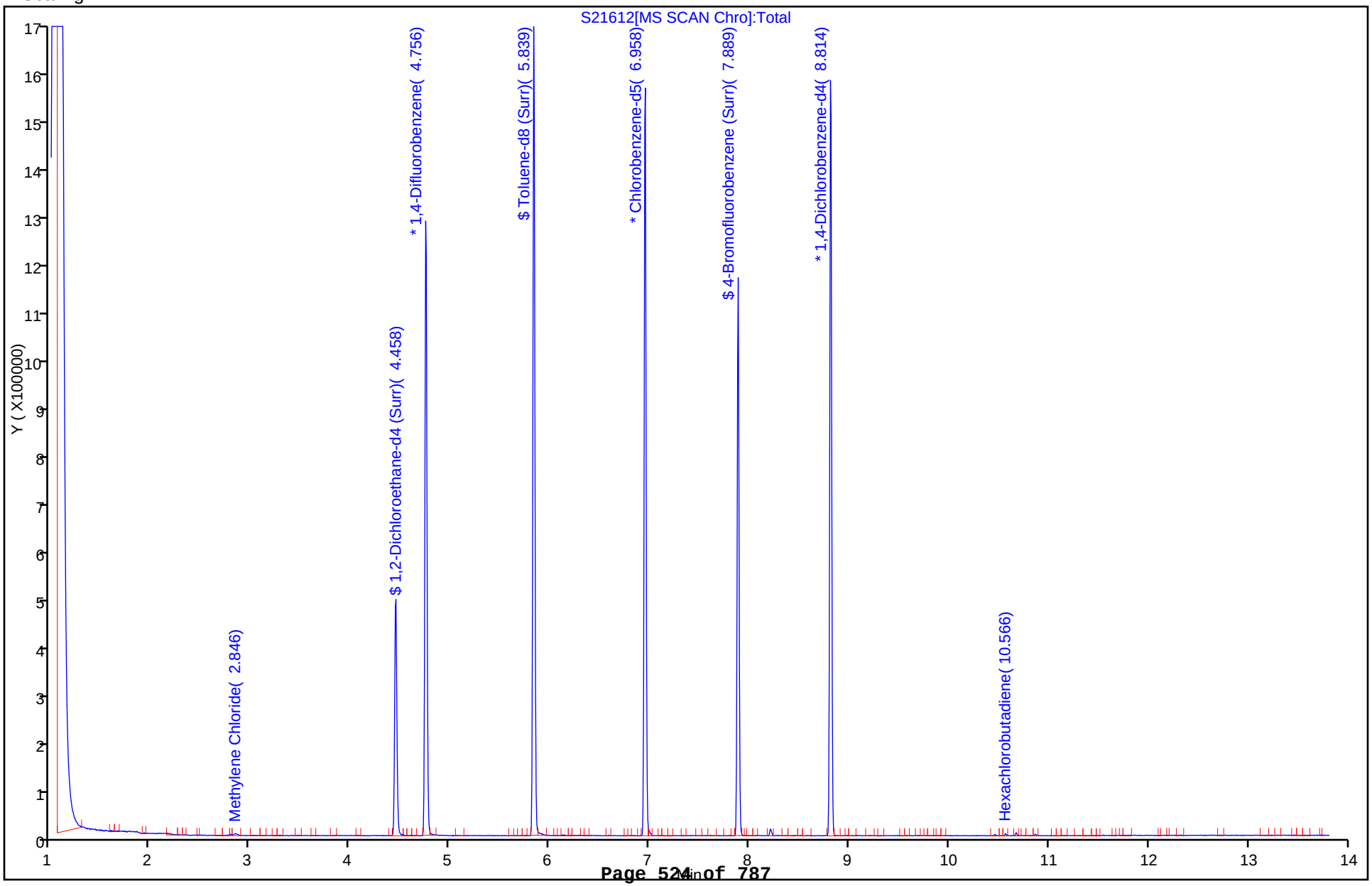
Report Date: 29-Dec-2012 09:47:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21612.D

Injection Date:	28-Dec-2012 13:42:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	5
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97793/5

Matrix: Water | Lab File ID: G18534.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 11:37

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	0.723	J	5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-97793/5

Matrix: Water Lab File ID: G18534.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 11:37

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
2037-26-5	Toluene-d8 (Surr)	111		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97793/5

Matrix: Water | Lab File ID: G18534.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 11:37

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97793 | Units: ug/L

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\HP5973G\20121229-17927.b\G18534.D
Lims ID: MB Client ID:
Inject. Date: 29-Dec-2012 11:37:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0017927-005 =480-0017927-005
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 1
Lims Batch ID: 97793 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 29-Dec-2012 15:03:32 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 15:03:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	485333	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	258409	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	220905	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	129324	25.7	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	732190	27.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	212385	28.6	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.438					
11 Chlorodifluoromethane	51		1.462					
12 Chloromethane	50		1.621					9
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.048					9
15 Chloroethane	64		2.152					
16 Dichlorofluoromethane	67		2.359					9
17 Trichlorofluoromethane	101		2.365					
18 Ethyl ether	59		2.651					
68 Propene oxide	58		2.731					
19 Acrolein	56		2.810					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.865					
20 1,1-Dichloroethene	96		2.883					
22 Acetone	43		2.968					
23 Iodomethane	142		3.048					
24 Carbon disulfide	76		3.084					
25 Isopropyl alcohol	45		3.157					
26 3-Chloro-1-propene	41		3.237					
27 Acetonitrile	40		3.267					
28 Methyl acetate	43		3.273					
29 Methylene Chloride	84	3.407	3.401	0.006	74	7149	0.7225	
30 2-Methyl-2-propanol	59		3.535					
31 Methyl tert-butyl ether	73		3.602					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		3.609					
33 Acrylonitrile	53		3.639					
34 Hexane	57		3.822					9
36 1,1-Dichloroethane	63		4.017					
37 Isopropyl ether	45		4.053					
38 Vinyl acetate	43		4.072					
39 2-Chloro-1,3-butadiene	53		4.084					
40 1,1-Dimethoxyethane	75		4.121					
41 Tert-butyl ethyl ether	59		4.389					
42 2,2-Dichloropropane	77		4.541					9
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					
45 Ethyl acetate	43		4.639					
46 Propionitrile	54		4.687					
47 Methacrylonitrile	41		4.803					
48 Chlorobromomethane	128		4.803					
49 Tetrahydrofuran	42		4.834					9
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.151					
54 1,1-Dichloropropene	75		5.163					9
55 Isobutyl alcohol	43		5.346					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					9
58 Tert-amyl methyl ether	73		5.450					
59 n-Heptane	43		5.559					9
60 n-Butanol	56		5.968					
61 Trichloroethene	95		5.974					
62 Methylcyclohexane	83		6.108					
63 1,2-Dichloropropane	63		6.200					
64 Methyl methacrylate	41		6.303					9
65 Dibromomethane	93		6.334					
66 1,4-Dioxane	88		6.346					
67 Dichlorobromomethane	83		6.486					
69 2-Nitropropane	43		6.724					
70 2-Chloroethyl vinyl ether	63		6.760					
71 Epichlorohydrin	57		6.852					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					9
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
78 Ethyl methacrylate	69		7.522					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
81 1,3-Dichloropropane	76		7.821					
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
84 Ethylene Dibromide	107		8.169					
85 3-Chlorobenzotrifluoride	180		8.620					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 Chlorobenzene	112		8.656					
87 4-Chlorobenzotrifluoride	180		8.681					
88 1,1,1,2-Tetrachloroethane	131		8.748					
89 Ethylbenzene	91		8.748					
90 m-Xylene & p-Xylene	106		8.870					9
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					9
93 Bromoform	173		9.559					
94 2-Chlorobenzotrifluoride	180		9.595					
95 Isopropylbenzene	105		9.681					9
96 Cyclohexanone	55		9.827					
97 Bromobenzene	156		10.016					
98 1,1,2,2-Tetrachloroethane	83		10.046					
99 1,2,3-Trichloropropane	110		10.083					
101 N-Propylbenzene	91		10.095					
100 trans-1,4-Dichloro-2-butene	53		10.095					
102 2-Chlorotoluene	126		10.199					
103 3-Chlorotoluene	126		10.260					
104 1,3,5-Trimethylbenzene	105		10.272					9
105 4-Chlorotoluene	126		10.308					
106 tert-Butylbenzene	134		10.589					9
107 1,2,4-Trimethylbenzene	105		10.638					9
108 Pentachloroethane	167		10.644					
109 sec-Butylbenzene	105		10.796					
110 1,3-Dichlorobenzene	146		10.930					9
111 4-Isopropyltoluene	119		10.936					9
112 Dicyclopentadiene	66		11.003					
113 1,4-Dichlorobenzene	146		11.016					
114 1,2,3-Trimethylbenzene	105		11.046					
115 n-Butylbenzene	91		11.320					9
116 1,2-Dichlorobenzene	146		11.363					9
117 1,2-Dibromo-3-Chloropropane	75		12.083					
118 1,3,5-Trichlorobenzene	180		12.229					9
119 1,2,4-Trichlorobenzene	180		12.765					9
120 Hexachlorobutadiene	225		12.887					9
121 Naphthalene	128	12.979	12.979	0.0	76	10793	0.2935	
122 1,2,3-Trichlorobenzene	180		13.180					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 131 bis(chloromethyl)ether TIC	1		0.000					1
T 130 Aziridine TIC	1		0.000					1
T 133 1-Bromopropane	1		0.000					1
T 132 Bromoethane TIC	1		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 8 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 t-Amyl alcohol	59		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 9 Ethylene oxide	1		0.000					1

QC Flag Legend

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

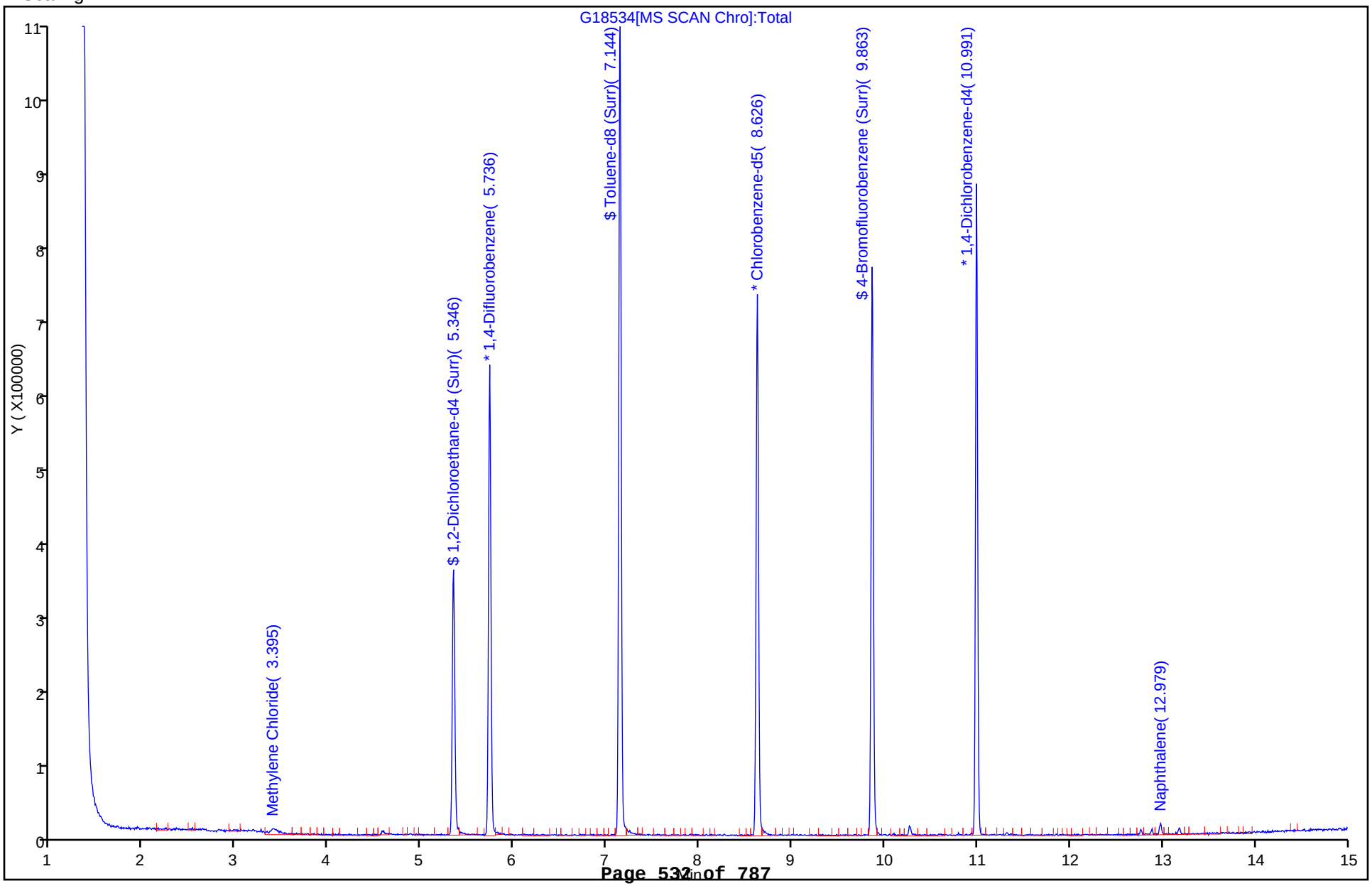
Report Date: 29-Dec-2012 15:03:33 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18534.D

Injection Date:	29-Dec-2012 11:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	5
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



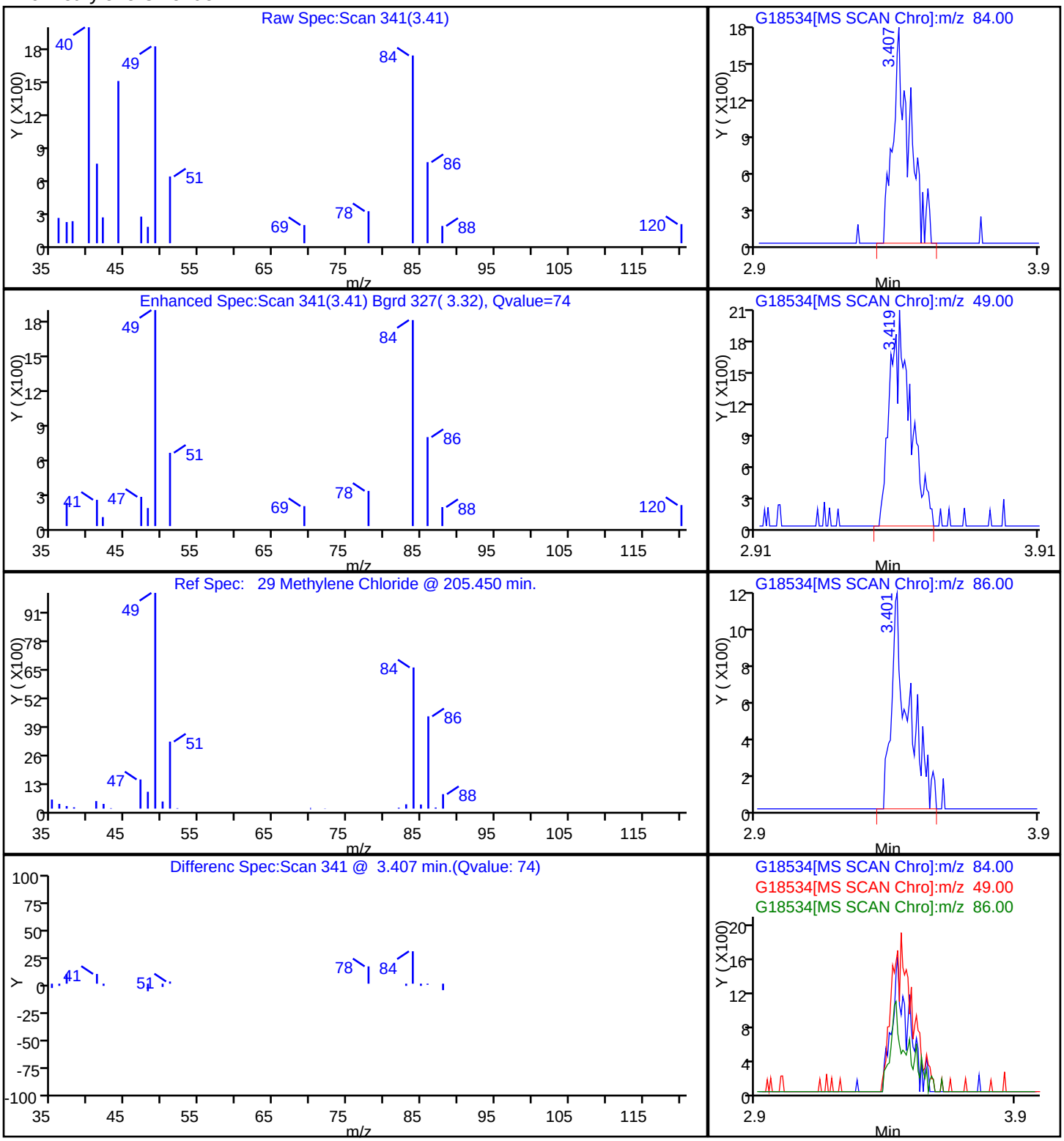
Report Date: 29-Dec-2012 15:03:33 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18534.D

Injection Date:	29-Dec-2012 11:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	5
Operator ID:	TF	Purge Vol:	5.000 mL
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97832/5

Matrix: Water | Lab File ID: G18561.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/30/2012 16:02

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97832 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.23
75-34-3	1,1-Dichloroethane	ND		5.0	0.38
75-35-4	1,1-Dichloroethene	ND		5.0	0.29
107-06-2	1,2-Dichloroethane	ND		5.0	0.21
78-87-5	1,2-Dichloropropane	ND		5.0	0.72
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		10	1.2
554-14-3	2-Methylthiophene	ND		10	0.44
616-44-4	3-Methylthiophene	ND		10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		5.0	0.39
75-25-2	Bromoform	ND		5.0	0.26
74-83-9	Bromomethane	ND		10	0.69
75-15-0	Carbon disulfide	ND		5.0	0.19
56-23-5	Carbon tetrachloride	ND		5.0	0.27
108-90-7	Chlorobenzene	ND		5.0	0.75
75-00-3	Chloroethane	ND		10	0.32
67-66-3	Chloroform	ND		5.0	0.34
74-87-3	Chloromethane	ND		10	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.36
124-48-1	Dibromochloromethane	ND		5.0	0.32
60-29-7	Ethyl ether	ND		10	0.72
100-41-4	Ethylbenzene	ND		5.0	0.74
179601-23-1	m&p-Xylene	ND		5.0	0.66
75-09-2	Methylene Chloride	ND		5.0	0.44
95-47-6	o-Xylene	ND		5.0	0.76
100-42-5	Styrene	ND		5.0	0.73
127-18-4	Tetrachloroethene	ND		5.0	0.36
108-88-3	Toluene	ND		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	0.37

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-97832/5

Matrix: Water Lab File ID: G18561.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/30/2012 16:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97832 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	ND		5.0	0.46
75-01-4	Vinyl chloride	ND		10	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	111		71-126

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97832/5

Matrix: Water | Lab File ID: G18561.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/30/2012 16:02

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97832 | Units: ug/L

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\HP5973G\20121230-17942.b\G18561.D
Lims ID: MB Client ID:
Inject. Date: 30-Dec-2012 16:02:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0017942-005 =480-0017942-005
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 4
Lims Batch ID: 97832 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 30-Dec-2012 17:06:37 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 17:06:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	483573	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	252382	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	213821	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	126464	25.3	
$ 5 Toluene-d8 (Surr)	98	7.145	7.138	0.007	92	712346	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.864	9.863	0.001	85	202364	27.9	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.438					
11 Chlorodifluoromethane	51		1.469					9
12 Chloromethane	50		1.615					
13 Vinyl chloride	62		1.713					
14 Bromomethane	94		2.054					9
15 Chloroethane	64		2.133					
16 Dichlorofluoromethane	67		2.359					
17 Trichlorofluoromethane	101		2.365					
18 Ethyl ether	59		2.657					
68 Propene oxide	58		2.737					
19 Acrolein	56		2.810					9
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.865					
20 1,1-Dichloroethene	96		2.877					
22 Acetone	43		2.975					
23 Iodomethane	142		3.042					
24 Carbon disulfide	76		3.078					
25 Isopropyl alcohol	45		3.157					
26 3-Chloro-1-propene	41		3.243					
27 Acetonitrile	40		3.267					
28 Methyl acetate	43		3.273					9
29 Methylene Chloride	84		3.395					
30 2-Methyl-2-propanol	59		3.535					9
31 Methyl tert-butyl ether	73		3.602					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
32 trans-1,2-Dichloroethene	96		3.615					
33 Acrylonitrile	53		3.639					
34 Hexane	57		3.828					
36 1,1-Dichloroethane	63		4.017					
37 Isopropyl ether	45		4.053					9
38 Vinyl acetate	43		4.072					
39 2-Chloro-1,3-butadiene	53		4.090					
40 1,1-Dimethoxyethane	75		4.121					
41 Tert-butyl ethyl ether	59		4.395					
42 2,2-Dichloropropane	77		4.541					
43 cis-1,2-Dichloroethene	96		4.572					
44 2-Butanone (MEK)	43		4.602					9
45 Ethyl acetate	43		4.645					9
46 Propionitrile	54		4.687					
48 Chlorobromomethane	128		4.803					
47 Methacrylonitrile	41		4.809					
49 Tetrahydrofuran	42		4.834					9
50 Chloroform	85		4.877					9
51 1,1,1-Trichloroethane	97		5.011					
52 Cyclohexane	56		5.029					
53 Carbon tetrachloride	117		5.151					
54 1,1-Dichloropropene	75		5.157					9
55 Isobutyl alcohol	43		5.352					
56 Benzene	78		5.358					9
57 1,2-Dichloroethane	62		5.413					
58 Tert-amyl methyl ether	73		5.450					
59 n-Heptane	43		5.559					9
60 n-Butanol	56		5.974					
61 Trichloroethene	95		5.974					
62 Methylcyclohexane	83		6.108					
63 1,2-Dichloropropane	63		6.200					9
64 Methyl methacrylate	41		6.303					9
65 Dibromomethane	93		6.334					
66 1,4-Dioxane	88		6.352					
67 Dichlorobromomethane	83		6.486					
69 2-Nitropropane	43		6.724					
70 2-Chloroethyl vinyl ether	63		6.760					
71 Epichlorohydrin	57		6.852					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92		7.205					9
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					9
78 Ethyl methacrylate	69		7.522					
79 1,1,2-Trichloroethane	83		7.657					
80 Tetrachloroethene	166		7.748					
81 1,3-Dichloropropane	76		7.821					
82 2-Hexanone	43		7.882					
83 Chlorodibromomethane	129		8.059					
84 Ethylene Dibromide	107		8.163					
85 3-Chlorobenzotrifluoride	180		8.620					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 Chlorobenzene	112		8.650					
87 4-Chlorobenzotrifluoride	180		8.681					
89 Ethylbenzene	91		8.748					
88 1,1,1,2-Tetrachloroethane	131		8.748					
90 m-Xylene & p-Xylene	106		8.870					9
91 o-Xylene	106		9.296					
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
94 2-Chlorobenzotrifluoride	180		9.595					
95 Isopropylbenzene	105		9.674					9
96 Cyclohexanone	55		9.827					9
97 Bromobenzene	156		10.016					
98 1,1,2,2-Tetrachloroethane	83		10.046					9
99 1,2,3-Trichloropropane	110		10.083					
100 trans-1,4-Dichloro-2-butene	53		10.095					
101 N-Propylbenzene	91		10.101					9
102 2-Chlorotoluene	126		10.199					
103 3-Chlorotoluene	126		10.260					
104 1,3,5-Trimethylbenzene	105		10.272					
105 4-Chlorotoluene	126		10.308					
106 tert-Butylbenzene	134		10.589					
108 Pentachloroethane	167		10.638					
107 1,2,4-Trimethylbenzene	105		10.638					9
109 sec-Butylbenzene	105		10.796					
110 1,3-Dichlorobenzene	146		10.930					
111 4-Isopropyltoluene	119		10.936					
112 Dicyclopentadiene	66		11.003					9
113 1,4-Dichlorobenzene	146		11.016					
114 1,2,3-Trimethylbenzene	105		11.046					
115 n-Butylbenzene	91		11.314					9
116 1,2-Dichlorobenzene	146		11.363					9
117 1,2-Dibromo-3-Chloropropane	75		12.083					
118 1,3,5-Trichlorobenzene	180		12.229					
119 1,2,4-Trichlorobenzene	180		12.765					
120 Hexachlorobutadiene	225		12.881					
121 Naphthalene	128		12.979					9
122 1,2,3-Trichlorobenzene	180		13.180					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 7 t-Amyl alcohol	59		0.000					1
T 8 bis(2-chloromethyl)ether TIC	1		0.000					1
T 9 Ethylene oxide	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 130 Aziridine TIC	1		0.000					1
T 131 bis(chloromethyl)ether TIC	1		0.000					1
T 132 Bromoethane TIC	1		0.000					1
T 133 1-Bromopropane	1		0.000					1

QC Flag Legend

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

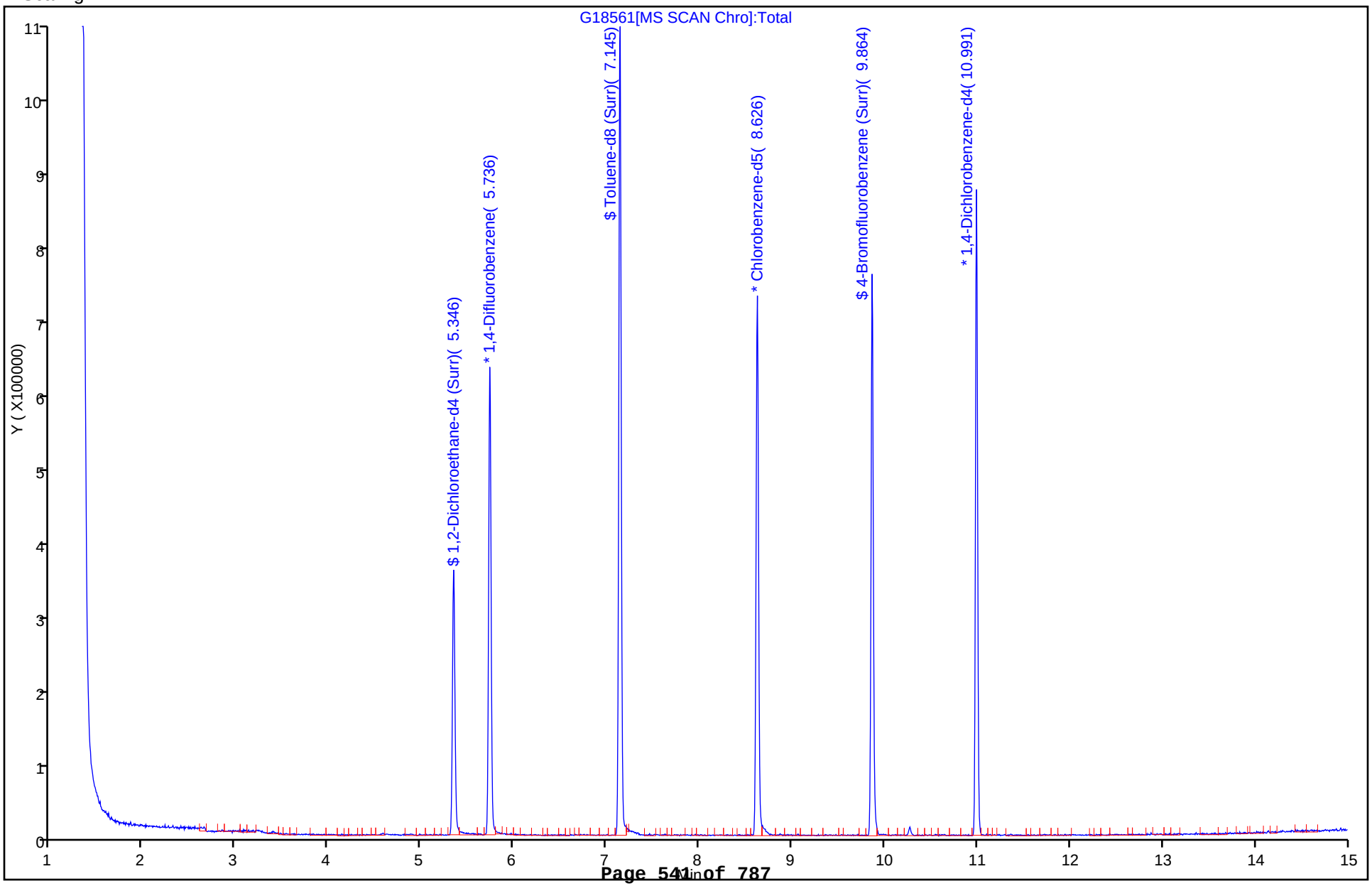
Report Date: 30-Dec-2012 17:06:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18561.D

Injection Date:	30-Dec-2012 16:02:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	5
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97675/4

Matrix: Water | Lab File ID: S21611.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 13:21

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.8		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.7		5.0	0.21
79-00-5	1,1,2-Trichloroethane	26.6		5.0	0.23
75-34-3	1,1-Dichloroethane	26.9		5.0	0.38
75-35-4	1,1-Dichloroethene	26.9		5.0	0.29
107-06-2	1,2-Dichloroethane	26.6		5.0	0.21
78-87-5	1,2-Dichloropropane	27.6		5.0	0.72
78-93-3	2-Butanone (MEK)	134		10	1.3
591-78-6	2-Hexanone	138		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	138		10	2.1
67-64-1	Acetone	137		10	3.0
71-43-2	Benzene	26.5		1.0	0.41
75-27-4	Bromodichloromethane	23.6		5.0	0.39
75-25-2	Bromoform	19.1		5.0	0.26
74-83-9	Bromomethane	22.7		10	0.69
75-15-0	Carbon disulfide	23.0		5.0	0.19
56-23-5	Carbon tetrachloride	23.1		5.0	0.27
108-90-7	Chlorobenzene	25.5		5.0	0.75
75-00-3	Chloroethane	25.4		10	0.32
67-66-3	Chloroform	26.1		5.0	0.34
74-87-3	Chloromethane	26.6		10	0.35
156-59-2	cis-1,2-Dichloroethene	26.2		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.7		5.0	0.36
124-48-1	Dibromochloromethane	20.3		5.0	0.32
100-41-4	Ethylbenzene	26.1		5.0	0.74
179601-23-1	m&p-Xylene	51.8		5.0	0.66
75-09-2	Methylene Chloride	23.8		5.0	0.44
95-47-6	o-Xylene	25.0		5.0	0.76
100-42-5	Styrene	26.2		5.0	0.73
127-18-4	Tetrachloroethene	25.9		5.0	0.36
108-88-3	Toluene	25.8		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.6		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.6		5.0	0.37
79-01-6	Trichloroethene	26.6		5.0	0.46
75-01-4	Vinyl chloride	27.3		10	0.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-97675/4

Matrix: Water Lab File ID: S21611.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 13:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	94		73-120
2037-26-5	Toluene-d8 (Surr)	106		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21611.D
Lims ID: LCS Client ID:
Inject. Date: 28-Dec-2012 13:21:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0017912-004 =480-0017912-004
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 7
Lims Batch ID: 97675 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 28-Dec-2012 14:54:48 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: fergusont Date: 28-Dec-2012 14:54:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.756	4.756	0.0	95	763175	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	398860	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	48	340896	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	54	136344	25.7	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	74	838470	26.4	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	85	232707	23.6	
10 Dichlorodifluoromethane	85	1.167	1.167	-0.001	86	176960	25.2	
12 Chloromethane	50	1.288	1.288	0.0	89	281979	26.6	
13 Vinyl chloride	62	1.392	1.398	-0.006	71	279448	27.3	
14 Bromomethane	94	1.629	1.623	0.006	87	79283	22.7	
15 Chloroethane	64	1.726	1.720	0.006	94	115392	25.4	
17 Trichlorofluoromethane	101	1.951	1.945	0.006	76	228436	22.7	
20 Acrolein	56	2.322	2.322	0.0	99	704872	545.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.365	2.365	0.0	52	162208	23.8	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	89	219869	26.9	
23 Acetone	43	2.468	2.468	0.0	99	473727	136.7	
25 Iodomethane	142	2.535	2.529	0.006	88	209321	24.2	
26 Carbon disulfide	76	2.554	2.560	-0.006	98	445377	23.0	
27 Methyl acetate	43	2.730	2.730	0.0	96	314177	26.9	
29 Acetonitrile	40	2.748	2.754	-0.006	99	872338	1135.8	
30 Methylene Chloride	84	2.852	2.852	0.0	86	251391	23.8	
32 Methyl tert-butyl ether	73	2.992	2.992	0.0	91	718642	27.5	
34 trans-1,2-Dichloroethene	96	2.992	2.992	0.0	60	222656	25.6	
33 Acrylonitrile	53	3.065	3.065	0.0	97	598953	131.5	
39 1,1-Dichloroethane	63	3.357	3.357	0.0	85	413843	26.9	
37 Vinyl acetate	43	3.411	3.411	0.0	97	2551349	139.5	
44 2,2-Dichloropropane	77	3.795	3.795	0.0	94	128391	29.0	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	69	244546	26.2	
43 2-Butanone (MEK)	43	3.868	3.868	0.0	100	790859	133.9	
48 Chlorobromomethane	128	4.014	4.014	0.0	91	107314	25.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.032	4.032	0.0	91	516323	133.1	
50 Chloroform	83	4.081	4.075	0.006	68	394269	26.1	
52 Cyclohexane	56	4.166	4.166	0.0	91	390533	24.0	
51 1,1,1-Trichloroethane	97	4.166	4.166	0.0	83	247852	27.8	
55 Carbon tetrachloride	117	4.275	4.275	0.0	64	177283	23.1	
54 1,1-Dichloropropene	75	4.287	4.287	0.0	94	310077	26.5	
57 Benzene	78	4.452	4.452	0.0	96	953014	26.5	
58 1,2-Dichloroethane	62	4.512	4.513	-0.001	84	336271	26.6	
62 Trichloroethene	95	4.932	4.932	0.0	94	230065	26.6	
64 Methylcyclohexane	83	5.023	5.024	-0.001	92	351493	24.3	
65 1,2-Dichloropropane	63	5.127	5.127	0.0	92	241678	27.6	
67 Dibromomethane	93	5.230	5.230	0.0	84	134799	27.4	
68 Dichlorobromomethane	83	5.352	5.352	0.0	93	261659	23.6	
69 2-Chloroethyl vinyl ether	63	5.571	5.571	0.0	90	831765	142.7	
72 cis-1,3-Dichloropropene	75	5.668	5.668	0.0	85	338254	24.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.790	5.790	0.0	97	1588697	137.6	
74 Toluene	92	5.887	5.887	0.0	94	591484	25.8	
77 trans-1,3-Dichloropropene	75	6.100	6.100	0.0	92	301809	23.6	
75 Ethyl methacrylate	69	6.137	6.137	0.0	84	343773	25.7	
79 1,1,2-Trichloroethane	83	6.246	6.246	0.0	87	184571	26.6	
81 Tetrachloroethene	166	6.283	6.283	0.0	77	219108	25.9	
82 1,3-Dichloropropane	76	6.368	6.368	0.0	93	391633	26.5	
80 2-Hexanone	43	6.423	6.423	0.0	80	1164957	138.4	
83 Chlorodibromomethane	129	6.544	6.544	0.0	89	154508	20.3	
84 Ethylene Dibromide	107	6.623	6.624	-0.001	98	212399	27.2	
87 Chlorobenzene	112	6.976	6.976	0.0	84	626157	25.5	
88 Ethylbenzene	91	7.049	7.043	0.006	99	1136164	26.1	
89 1,1,1,2-Tetrachloroethane	131	7.049	7.049	0.0	37	159117	21.9	
90 m-Xylene & p-Xylene	106	7.134	7.135	-0.001	99	843253	51.8	
91 o-Xylene	106	7.457	7.451	0.006	98	409203	25.0	
92 Styrene	104	7.475	7.475	0.0	96	726059	26.2	
95 Bromoform	173	7.664	7.664	0.0	95	85699	19.1	
94 Isopropylbenzene	105	7.737	7.737	0.0	96	1089207	26.9	
101 Bromobenzene	156	8.004	8.011	-0.007	96	257282	26.7	
97 1,1,2,2-Tetrachloroethane	83	8.047	8.047	0.0	78	314057	26.7	
99 N-Propylbenzene	91	8.065	8.065	0.0	79	1347861	27.5	
100 1,2,3-Trichloropropane	110	8.077	8.078	-0.001	62	98244	26.9	
98 trans-1,4-Dichloro-2-butene	53	8.090	8.090	0.0	90	448614	140.2	
103 2-Chlorotoluene	126	8.150	8.151	-0.001	95	241957	25.8	
102 1,3,5-Trimethylbenzene	105	8.211	8.211	0.0	75	914835	26.8	
105 4-Chlorotoluene	126	8.242	8.242	0.0	98	255508	26.3	
106 tert-Butylbenzene	134	8.473	8.473	0.0	90	186839	26.3	
107 1,2,4-Trimethylbenzene	105	8.515	8.516	-0.001	69	921023	26.9	
109 sec-Butylbenzene	105	8.643	8.643	0.0	95	1119889	27.0	
111 1,3-Dichlorobenzene	146	8.759	8.759	0.0	84	482942	26.3	
110 4-Isopropyltoluene	119	8.765	8.765	0.0	96	903589	27.2	
113 1,4-Dichlorobenzene	146	8.838	8.838	0.0	83	498166	25.7	
115 n-Butylbenzene	91	9.099	9.100	-0.001	95	903557	27.8	
116 1,2-Dichlorobenzene	146	9.148	9.148	0.0	91	469256	25.9	
117 1,2-Dibromo-3-Chloropropane	75	9.817	9.817	0.0	68	45242	22.0	
119 1,2,4-Trichlorobenzene	180	10.462	10.462	0.0	94	292326	25.9	
120 Hexachlorobutadiene	225	10.572	10.572	0.0	93	127641	25.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.675	10.675	0.0	97	753601	26.0	
122 1,2,3-Trichlorobenzene	180	10.870	10.870	0.0	94	240982	24.4	
S 125 1,2-Dichloroethene, Total	1				0		51.8	
S 126 1,3-Dichloropropene, Total	1				0		48.3	
S 124 Xylenes, Total	1				0		76.8	

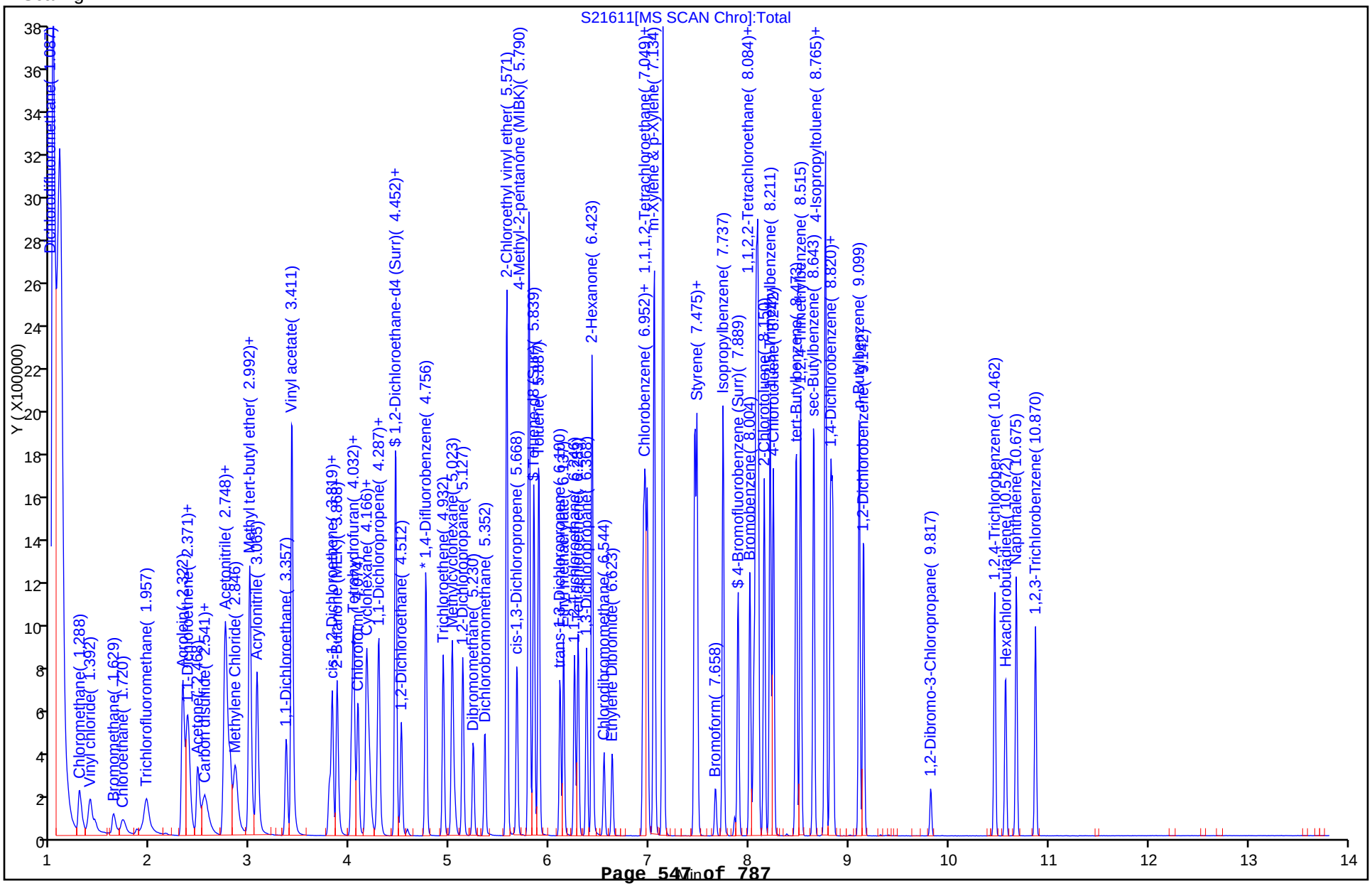
Report Date: 28-Dec-2012 14:54:48 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21611.D

Injection Date:	28-Dec-2012 13:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	4
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97793/4

Matrix: Water | Lab File ID: G18533.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 11:15

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	27.0		5.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.0		5.0	0.21
79-00-5	1,1,2-Trichloroethane	25.8		5.0	0.23
75-34-3	1,1-Dichloroethane	28.7		5.0	0.38
75-35-4	1,1-Dichloroethene	22.8		5.0	0.29
107-06-2	1,2-Dichloroethane	26.0		5.0	0.21
78-87-5	1,2-Dichloropropane	26.3		5.0	0.72
78-93-3	2-Butanone (MEK)	132		10	1.3
591-78-6	2-Hexanone	118		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	122		10	2.1
67-64-1	Acetone	167		10	3.0
71-43-2	Benzene	27.6		1.0	0.41
75-27-4	Bromodichloromethane	23.3		5.0	0.39
75-25-2	Bromoform	20.6		5.0	0.26
74-83-9	Bromomethane	27.1		10	0.69
75-15-0	Carbon disulfide	19.5		5.0	0.19
56-23-5	Carbon tetrachloride	23.5		5.0	0.27
108-90-7	Chlorobenzene	28.0		5.0	0.75
75-00-3	Chloroethane	30.3		10	0.32
67-66-3	Chloroform	26.3		5.0	0.34
74-87-3	Chloromethane	21.3		10	0.35
156-59-2	cis-1,2-Dichloroethene	26.7		5.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.9		5.0	0.36
124-48-1	Dibromochloromethane	23.0		5.0	0.32
100-41-4	Ethylbenzene	28.4		5.0	0.74
179601-23-1	m&p-Xylene	57.9		5.0	0.66
75-09-2	Methylene Chloride	22.9		5.0	0.44
95-47-6	o-Xylene	28.3		5.0	0.76
100-42-5	Styrene	27.6		5.0	0.73
127-18-4	Tetrachloroethene	29.9		5.0	0.36
108-88-3	Toluene	27.8		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.4		5.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.6		5.0	0.37
79-01-6	Trichloroethene	27.0		5.0	0.46
75-01-4	Vinyl chloride	23.5		10	0.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-97793/4

Matrix: Water Lab File ID: G18533.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 11:15

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
460-00-4	4-Bromofluorobenzene (Surr)	120		73-120
2037-26-5	Toluene-d8 (Surr)	114		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18533.D
Lims ID: LCS Client ID:
Inject. Date: 29-Dec-2012 11:15:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0017927-004 =480-0017927-004
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 59
Lims Batch ID: 97793 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 29-Dec-2012 11:44:22 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 11:44:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	497694	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	260987	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	76	239965	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	133512	25.9	
$ 5 Toluene-d8 (Surr)	98	7.138	7.138	0.0	91	759173	28.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.863	9.863	0.0	86	223993	29.9	
10 Dichlorodifluoromethane	85	1.432	1.438	-0.006	87	118189	16.3	
12 Chloromethane	50	1.621	1.621	0.0	89	207212	21.3	
13 Vinyl chloride	62	1.719	1.713	0.006	83	201442	23.5	
14 Bromomethane	94	2.048	2.048	0.0	91	92800	27.1	
15 Chloroethane	64	2.157	2.152	0.005	94	130229	30.3	
17 Trichlorofluoromethane	101	2.371	2.365	0.006	83	238616	30.0	
19 Acrolein	56	2.816	2.810	0.006	97	677385	584.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.871	2.865	0.006	80	68662	11.9	
20 1,1-Dichloroethene	96	2.883	2.883	0.0	86	158288	22.8	
22 Acetone	43	2.974	2.968	0.006	98	486841	167.2	
23 Iodomethane	142	3.054	3.048	0.006	96	148504	26.9	
24 Carbon disulfide	76	3.084	3.084	0.0	99	381152	19.5	
27 Acetonitrile	40	3.273	3.267	0.006	99	856976	676.5	
28 Methyl acetate	43	3.279	3.273	0.006	96	368007	26.9	
29 Methylene Chloride	84	3.419	3.401	0.018	87	232035	22.9	
31 Methyl tert-butyl ether	73	3.602	3.602	0.0	91	677620	24.6	
32 trans-1,2-Dichloroethene	96	3.614	3.609	0.005	93	189672	25.4	
33 Acrylonitrile	53	3.645	3.639	0.006	97	598179	130.0	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	337303	28.7	
38 Vinyl acetate	43	4.078	4.072	0.006	97	2442551	120.4	
42 2,2-Dichloropropane	77	4.547	4.541	0.006	92	128493	27.3	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	70	188557	26.7	
44 2-Butanone (MEK)	43	4.602	4.602	0.0	100	956152	131.9	
48 Chlorobromomethane	128	4.803	4.803	0.0	91	85012	25.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.840	4.834	0.006	89	655945	127.3	
50 Chloroform	85	4.883	4.883	0.0	81	200033	26.3	
51 1,1,1-Trichloroethane	97	5.011	5.011	0.0	91	197920	27.0	
52 Cyclohexane	56	5.035	5.029	0.006	92	265220	17.2	
53 Carbon tetrachloride	117	5.157	5.151	0.006	83	176136	23.5	
54 1,1-Dichloropropene	75	5.163	5.163	0.0	93	253225	27.1	
56 Benzene	78	5.364	5.358	0.006	97	781252	27.6	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	90	286264	26.0	
61 Trichloroethene	95	5.974	5.974	0.0	93	179326	27.0	
62 Methylcyclohexane	83	6.114	6.108	0.006	93	243034	18.5	
63 1,2-Dichloropropane	63	6.205	6.200	0.005	91	192758	26.3	
65 Dibromomethane	93	6.340	6.334	0.006	90	115476	25.6	
67 Dichlorobromomethane	83	6.486	6.486	0.0	93	202158	23.3	
70 2-Chloroethyl vinyl ether	63	6.766	6.760	0.006	92	867233	123.1	
72 cis-1,3-Dichloropropene	75	6.907	6.907	0.0	88	299299	24.9	
73 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.0	97	1824265	122.3	
74 Toluene	92	7.211	7.205	0.006	98	480093	27.8	
76 trans-1,3-Dichloropropene	75	7.467	7.468	-0.001	92	273441	23.6	
78 Ethyl methacrylate	69	7.522	7.522	0.0	91	341488	24.9	
79 1,1,2-Trichloroethane	83	7.662	7.657	0.005	87	147162	25.8	
80 Tetrachloroethene	166	7.748	7.748	0.0	91	189468	29.9	
81 1,3-Dichloropropane	76	7.821	7.821	0.0	94	343376	26.4	
82 2-Hexanone	43	7.888	7.882	0.006	97	1434405	118.2	
83 Chlorodibromomethane	129	8.059	8.059	0.0	89	137769	23.0	
84 Ethylene Dibromide	107	8.168	8.169	-0.001	98	190585	25.6	
86 Chlorobenzene	112	8.656	8.656	0.0	90	526879	28.0	
88 1,1,1,2-Tetrachloroethane	131	8.748	8.748	0.0	86	153691	25.5	
89 Ethylbenzene	91	8.748	8.748	0.0	99	912098	28.4	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	98	744934	57.9	
91 o-Xylene	106	9.296	9.296	0.0	97	354969	28.3	
92 Styrene	104	9.327	9.321	0.006	95	620950	27.6	
93 Bromoform	173	9.565	9.559	0.006	96	86231	20.6	
95 Isopropylbenzene	105	9.680	9.681	-0.001	96	929622	25.9	
97 Bromobenzene	156	10.016	10.016	0.0	97	210327	25.4	
98 1,1,2,2-Tetrachloroethane	83	10.052	10.046	0.006	87	291290	22.0	
99 1,2,3-Trichloropropane	110	10.089	10.083	0.006	77	101881	22.7	
101 N-Propylbenzene	91	10.101	10.095	0.006	95	1091193	25.8	
100 trans-1,4-Dichloro-2-butene	53	10.095	10.095	0.0	83	401230	94.5	
102 2-Chlorotoluene	126	10.199	10.199	0.0	95	203121	25.7	
104 1,3,5-Trimethylbenzene	105	10.272	10.272	0.0	92	792857	25.9	
105 4-Chlorotoluene	126	10.308	10.308	0.0	96	215430	26.2	
106 tert-Butylbenzene	134	10.589	10.589	0.0	91	170153	27.2	
107 1,2,4-Trimethylbenzene	105	10.638	10.638	0.0	97	802646	25.9	
109 sec-Butylbenzene	105	10.796	10.796	0.0	94	976509	27.0	
110 1,3-Dichlorobenzene	146	10.930	10.930	0.0	95	431937	26.6	
111 4-Isopropyltoluene	119	10.936	10.936	0.0	97	792748	27.2	
113 1,4-Dichlorobenzene	146	11.015	11.016	-0.001	92	448788	26.4	
115 n-Butylbenzene	91	11.320	11.320	0.0	97	727648	26.3	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	95	421963	25.8	
117 1,2-Dibromo-3-Chloropropane	75	12.082	12.083	0.0	76	64496	19.3	
119 1,2,4-Trichlorobenzene	180	12.765	12.765	0.0	92	257376	25.6	
120 Hexachlorobutadiene	225	12.881	12.887	-0.006	95	93744	36.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.979	12.979	-0.001	97	927500	23.2	
122 1,2,3-Trichlorobenzene	180	13.180	13.180	0.0	94	224207	32.4	
S 125 1,2-Dichloroethene, Total	1				0		52.1	
S 126 1,3-Dichloropropene, Total	1				0		48.5	
S 124 Xylenes, Total	1				0		86.3	

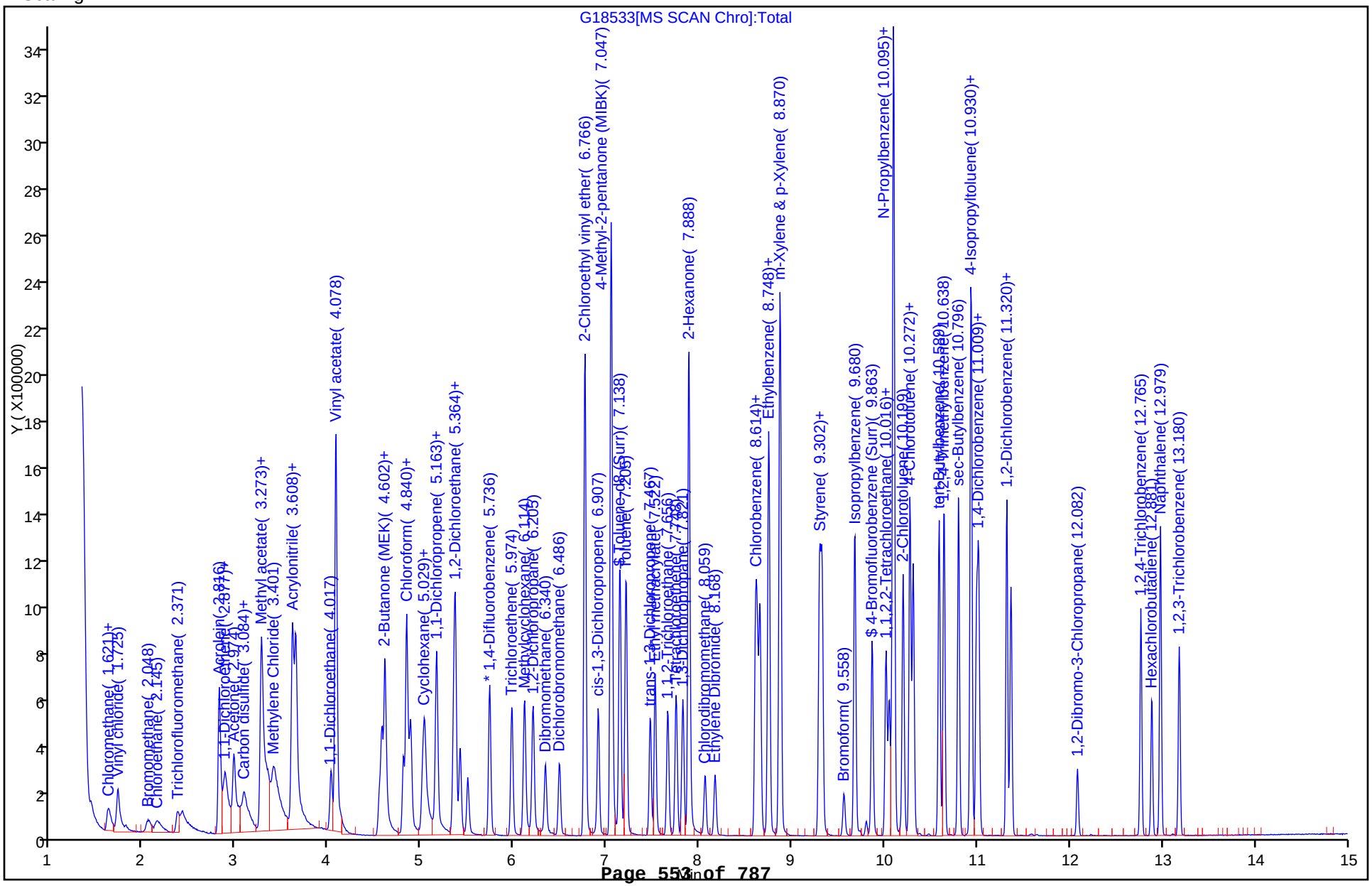
Report Date: 29-Dec-2012 11:44:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18533.D

Injection Date:	29-Dec-2012 11:15:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	4
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97832/4

Matrix: Water | Lab File ID: G18560.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 12/30/2012 15:39

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 97832 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	27.9		5.0	0.38
75-35-4	1,1-Dichloroethene	17.3		5.0	0.29
107-06-2	1,2-Dichloroethane	26.3		5.0	0.21
71-43-2	Benzene	26.7		1.0	0.41
108-90-7	Chlorobenzene	28.3		5.0	0.75
156-59-2	cis-1,2-Dichloroethene	26.1		5.0	0.81
100-41-4	Ethylbenzene	27.8		5.0	0.74
179601-23-1	m&p-Xylene	55.8		5.0	0.66
95-47-6	o-Xylene	27.9		5.0	0.76
127-18-4	Tetrachloroethene	29.4		5.0	0.36
108-88-3	Toluene	26.8		5.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.1		5.0	0.90
79-01-6	Trichloroethene	26.8		5.0	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18560.D
Lims ID: LCS Client ID:
Inject. Date: 30-Dec-2012 15:39:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0017942-004 =480-0017942-004
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 3
Lims Batch ID: 97832 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 30-Dec-2012 17:05:54 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 16:14:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	481298	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	258527	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	229811	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	120014	24.1	
$ 5 Toluene-d8 (Surr)	98	7.145	7.138	0.007	92	676454	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.870	9.863	0.007	86	193698	26.1	
20 1,1-Dichloroethene	96	2.895	2.877	0.018	88	116054	17.3	
31 Methyl tert-butyl ether	73	3.603	3.602	0.001	91	598728	22.5	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	92	181121	25.1	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	317232	27.9	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	71	178139	26.1	
56 Benzene	78	5.364	5.358	0.006	97	731741	26.7	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	89	279766	26.3	
61 Trichloroethene	95	5.974	5.974	0.0	93	172426	26.8	
74 Toluene	92	7.205	7.205	0.0	98	459364	26.8	
80 Tetrachloroethene	166	7.748	7.748	0.0	92	184609	29.4	
86 Chlorobenzene	112	8.656	8.650	0.006	92	527891	28.3	
89 Ethylbenzene	91	8.748	8.748	0.0	98	883946	27.8	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	710250	55.8	
91 o-Xylene	106	9.297	9.296	0.001	98	346106	27.9	
107 1,2,4-Trimethylbenzene	105	10.638	10.638	0.0	97	786822	26.5	
116 1,2-Dichlorobenzene	146	11.363	11.363	0.0	95	433157	27.7	
S 124 Xylenes, Total	1				0		83.7	
S 125 1,2-Dichloroethene, Total	1				0		51.2	

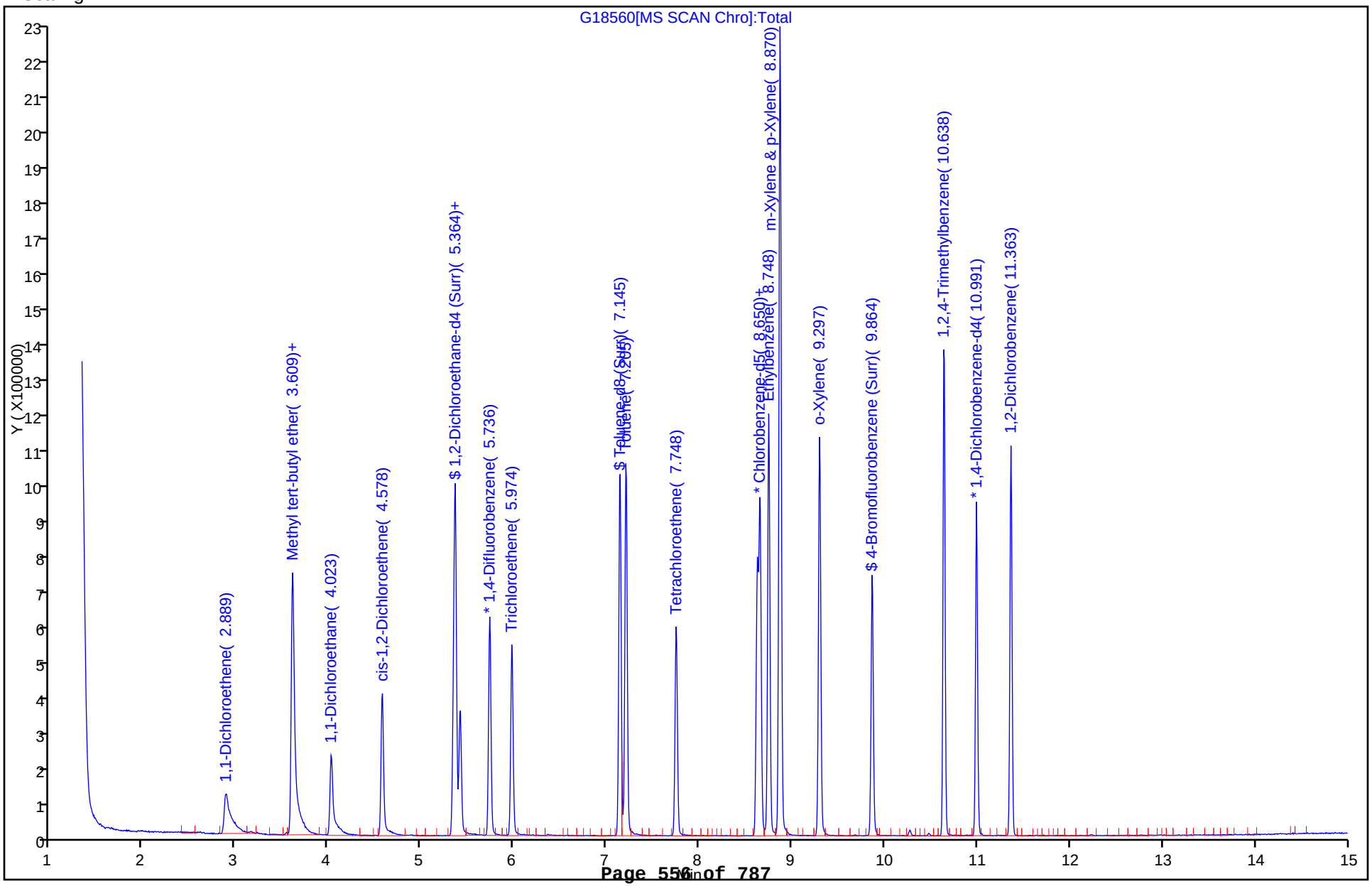
Report Date: 30-Dec-2012 17:05:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18560.D

Injection Date:	30-Dec-2012 15:39:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	4
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 MS | Lab Sample ID: 480-30773-5 MS

Matrix: Water | Lab File ID: G18582.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/31/2012 00:50

Soil Aliquot Vol: | Dilution Factor: 40

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

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

Analysis Batch No.: 97832 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	8.4
79-00-5	1,1,2-Trichloroethane	ND		200	9.2
75-34-3	1,1-Dichloroethane	1070		200	15
75-35-4	1,1-Dichloroethene	655		200	12
107-06-2	1,2-Dichloroethane	1030		200	8.4
78-87-5	1,2-Dichloropropane	ND		200	29
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		400	50
554-14-3	2-Methylthiophene	ND		400	18
616-44-4	3-Methylthiophene	ND		400	21
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	1010		40	16
75-27-4	Bromodichloromethane	ND		200	16
75-25-2	Bromoform	ND		200	10
74-83-9	Bromomethane	ND		400	28
75-15-0	Carbon disulfide	ND		200	7.6
56-23-5	Carbon tetrachloride	ND		200	11
108-90-7	Chlorobenzene	1100		200	30
75-00-3	Chloroethane	ND		400	13
67-66-3	Chloroform	ND		200	14
74-87-3	Chloromethane	ND		400	14
156-59-2	cis-1,2-Dichloroethene	1020		200	32
10061-01-5	cis-1,3-Dichloropropene	ND		200	14
124-48-1	Dibromochloromethane	ND		200	13
60-29-7	Ethyl ether	2640		400	29
100-41-4	Ethylbenzene	1050		200	30
179601-23-1	m&p-Xylene	2160		200	26
75-09-2	Methylene Chloride	ND		200	18
95-47-6	o-Xylene	1080		200	30
100-42-5	Styrene	ND		200	29
127-18-4	Tetrachloroethene	1100		200	14
108-88-3	Toluene	1020		200	20
156-60-5	trans-1,2-Dichloroethene	940		200	36
10061-02-6	trans-1,3-Dichloropropene	ND		200	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 MS Lab Sample ID: 480-30773-5 MS

Matrix: Water Lab File ID: G18582.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/31/2012 00:50

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97832 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	997		200	18
75-01-4	Vinyl chloride	ND		400	36

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	117		73-120
2037-26-5	Toluene-d8 (Surr)	112		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18582.D
Lims ID: 480-30773-B-5 MS Client ID:
Inject. Date: 31-Dec-2012 00:50:30 Dil. Factor: 40.0000
Sample Type: MS
Sample ID: 480-30773-B-5 MS
Misc. Info.: 480-0017942-026 =480-0017942-026
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 97832 Lims Sample ID: 26
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 31-Dec-2012 09:27:18 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK018

First Level Reviewer: larsonr Date: 31-Dec-2012 09:27:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	443099	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	86	236741	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	220977	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	120660	26.3	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	676151	28.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	199672	29.4	
12 Chloromethane	50		1.615					9
13 Vinyl chloride	62		1.713					9
14 Bromomethane	94		2.054					9
15 Chloroethane	64		2.133					
18 Ethyl ether	59	2.651	2.657	-0.006	94	311892	65.9	
20 1,1-Dichloroethene	96	2.889	2.877	0.012	86	101280	16.4	
22 Acetone	43		2.975					
24 Carbon disulfide	76		3.078					
29 Methylene Chloride	84	3.395	3.395	0.0	51	2142	0.2371	
32 trans-1,2-Dichloroethene	96	3.615	3.615	0.0	93	155953	23.5	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	279619	26.7	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	70	159639	25.4	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.877					9
51 1,1,1-Trichloroethane	97		5.011					9
53 Carbon tetrachloride	117		5.151					
56 Benzene	78	5.364	5.358	0.006	97	638914	25.4	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	89	252605	25.8	
61 Trichloroethene	95	5.974	5.974	0.0	93	147626	24.9	
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					9
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92	7.205	7.205	0.0	98	400723	25.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					9
79 1,1,2-Trichloroethane	83		7.657					9
80 Tetrachloroethene	166	7.748	7.748	0.0	91	157497	27.4	
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112	8.656	8.650	0.006	93	470590	27.6	
89 Ethylbenzene	91	8.748	8.748	0.0	98	764858	26.3	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	628281	53.9	
91 o-Xylene	106	9.296	9.296	0.0	97	305537	26.9	
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

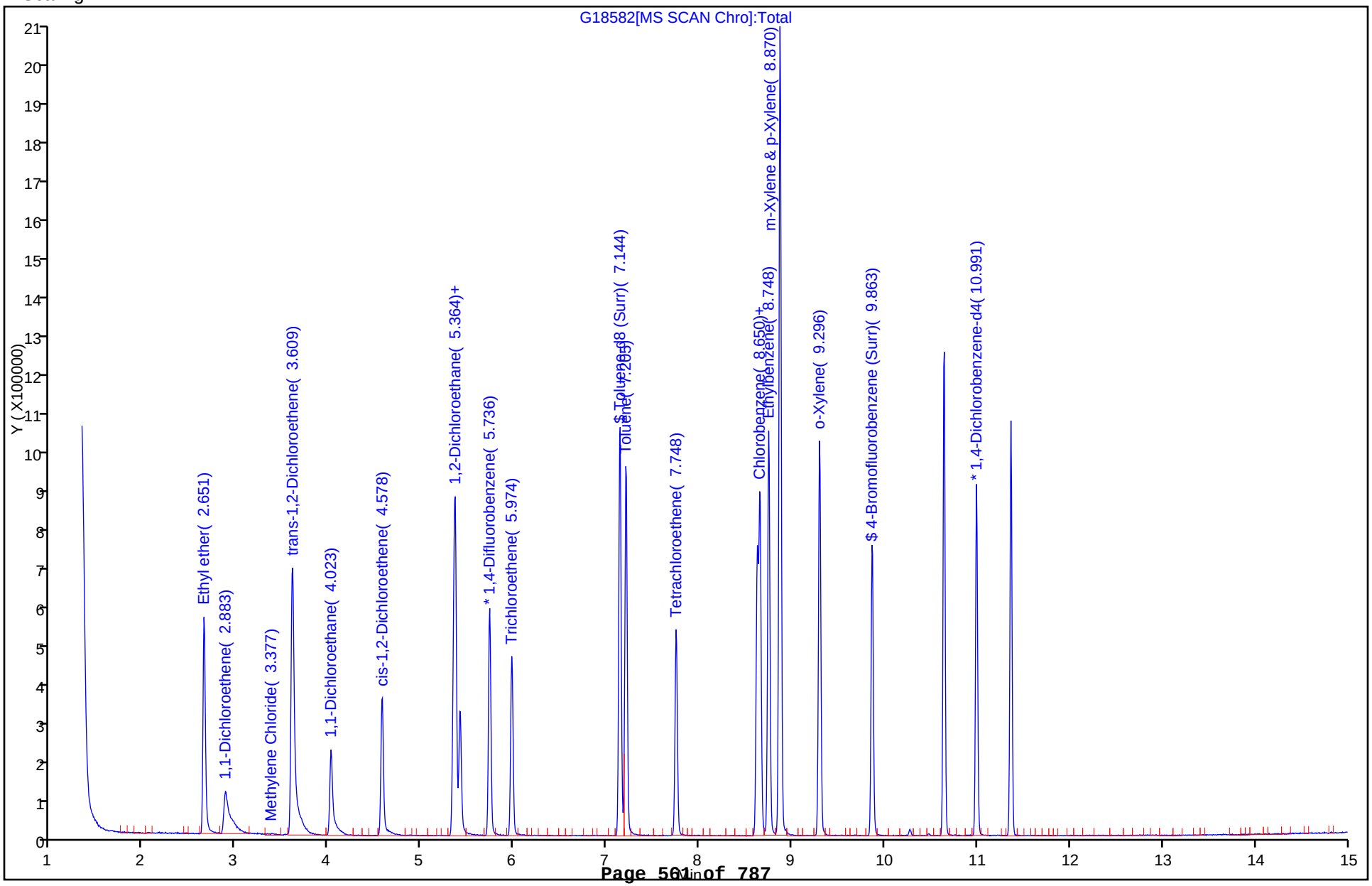
Report Date: 31-Dec-2012 09:27:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18582.D

Injection Date:	31-Dec-2012 00:50:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	26
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 MS | Lab Sample ID: 480-30773-11 MS

Matrix: Water | Lab File ID: S21627.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 19:18

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	110		25	1.9
75-35-4	1,1-Dichloroethene	78.3		25	1.5
107-06-2	1,2-Dichloroethane	136		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	44.3	J	50	15
71-43-2	Benzene	108		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	111		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	111		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	11.9	J	50	3.6
100-41-4	Ethylbenzene	107		25	3.7
179601-23-1	m&p-Xylene	212		25	3.3
75-09-2	Methylene Chloride	ND		25	2.2
95-47-6	o-Xylene	105		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	97.6		25	1.8
108-88-3	Toluene	1150		25	2.6
156-60-5	trans-1,2-Dichloroethene	104		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 MS Lab Sample ID: 480-30773-11 MS

Matrix: Water Lab File ID: S21627.D

Analysis Method: 8260B Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 19:18

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	110		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21627.D
Lims ID: 480-30773-A-11 MS Client ID: GW-44538-121912-013
Inject. Date: 28-Dec-2012 19:18:30 Dil. Factor: 5.0000
Sample Type: MS
Sample ID: 480-30773-A-11 MS
Misc. Info.: 480-0017912-020 =480-0017912-020
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 97675 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:41:45 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:41:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	683549	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	366451	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	307160	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	59	127131	26.7	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	737632	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	202695	22.3	
12 Chloromethane	50		1.288					19
13 Vinyl chloride	62		1.398					19
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	93	18452	2.37	
22 1,1-Dichloroethene	96	2.377	2.377	0.0	88	114638	15.7	
23 Acetone	43	2.468	2.468	0.0	89	27474	8.85	
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					149
34 trans-1,2-Dichloroethene	96	2.998	2.992	0.006	60	161459	20.7	
39 1,1-Dichloroethane	63	3.363	3.357	0.006	85	303635	22.1	
45 cis-1,2-Dichloroethene	96	3.825	3.819	0.006	70	184960	22.1	
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78	4.458	4.452	0.006	96	698843	21.7	
58 1,2-Dichloroethane	62	4.512	4.513	-0.001	72	307489	27.2	
62 Trichloroethene	95	4.932	4.932	0.0	93	170017	22.0	
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92	5.893	5.887	0.006	98	4855331	230.3	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					19
81 Tetrachloroethene	166	6.283	6.283	0.0	88	151733	19.5	
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112	6.976	6.976	0.0	90	499407	22.2	
88 Ethylbenzene	91	7.049	7.043	0.006	99	855465	21.4	
90 m-Xylene & p-Xylene	106	7.134	7.135	-0.001	99	633941	42.4	
91 o-Xylene	106	7.451	7.451	0.0	98	314384	20.9	
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

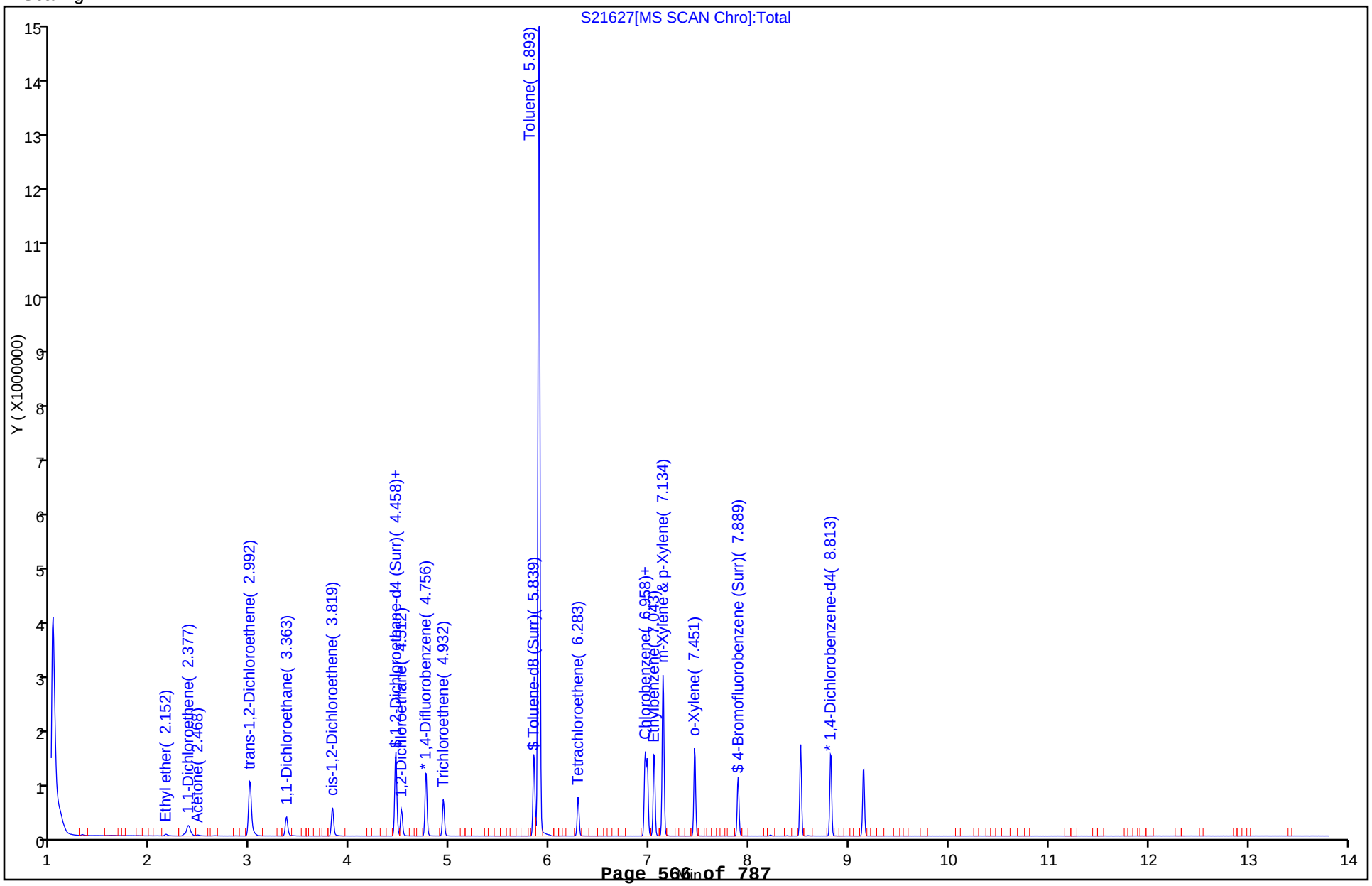
Report Date: 29-Dec-2012 13:41:45 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21627.D

Injection Date:	28-Dec-2012 19:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	20
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 MS | Lab Sample ID: 480-30773-14 MS

Matrix: Water | Lab File ID: G18542.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 14:57

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	4.2
79-00-5	1,1,2-Trichloroethane	ND		100	4.6
75-34-3	1,1-Dichloroethane	606		100	7.6
75-35-4	1,1-Dichloroethene	379		100	5.8
107-06-2	1,2-Dichloroethane	567		100	4.2
78-87-5	1,2-Dichloropropane	ND		100	14
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		200	25
554-14-3	2-Methylthiophene	ND		200	8.8
616-44-4	3-Methylthiophene	ND		200	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	42
67-64-1	Acetone	198	J	200	60
71-43-2	Benzene	582		20	8.2
75-27-4	Bromodichloromethane	ND		100	7.8
75-25-2	Bromoform	ND		100	5.2
74-83-9	Bromomethane	ND		200	14
75-15-0	Carbon disulfide	ND		100	3.8
56-23-5	Carbon tetrachloride	ND		100	5.4
108-90-7	Chlorobenzene	619		100	15
75-00-3	Chloroethane	ND		200	6.4
67-66-3	Chloroform	ND		100	6.8
74-87-3	Chloromethane	ND		200	7.0
156-59-2	cis-1,2-Dichloroethene	567		100	16
10061-01-5	cis-1,3-Dichloropropene	ND		100	7.2
124-48-1	Dibromochloromethane	ND		100	6.4
60-29-7	Ethyl ether	1440		200	14
100-41-4	Ethylbenzene	601		100	15
179601-23-1	m&p-Xylene	1230		100	13
75-09-2	Methylene Chloride	ND		100	8.8
95-47-6	o-Xylene	608		100	15
100-42-5	Styrene	ND		100	15
127-18-4	Tetrachloroethene	631		100	7.2
108-88-3	Toluene	593		100	10
156-60-5	trans-1,2-Dichloroethene	531		100	18
10061-02-6	trans-1,3-Dichloropropene	ND		100	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 MS Lab Sample ID: 480-30773-14 MS

Matrix: Water Lab File ID: G18542.D

Analysis Method: 8260B Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 14:57

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	564		100	9.2
75-01-4	Vinyl chloride	ND		200	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	120		73-120
2037-26-5	Toluene-d8 (Surr)	118		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18542.D
Lims ID: 480-30773-C-14 MS Client ID:
Inject. Date: 29-Dec-2012 14:57:30 Dil. Factor: 20.0000
Sample Type: MS
Sample ID: 480-30773-C-14 MS
Misc. Info.: 480-0017927-014 =480-0017927-014
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 9
Lims Batch ID: 97793 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 14:47:57 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:47:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	452236	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	238457	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	209050	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	127131	27.1	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	716196	29.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	85	206194	30.1	
12 Chloromethane	50		1.621					9
13 Vinyl chloride	62		1.713					9
14 Bromomethane	94		2.048					
15 Chloroethane	64		2.152					
18 Ethyl ether	59	2.657	2.651	0.006	93	346891	71.8	
20 1,1-Dichloroethene	96	2.883	2.883	0.0	87	119501	18.9	
22 Acetone	43	2.974	2.968	0.006	96	26229	9.91	
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.389	3.401	-0.012	33	2503	0.2715	
32 trans-1,2-Dichloroethene	96	3.615	3.609	0.006	93	179984	26.6	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	323117	30.3	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	71	182107	28.4	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					
51 1,1,1-Trichloroethane	97		5.011					
53 Carbon tetrachloride	117		5.151					
56 Benzene	78	5.364	5.358	0.006	97	747721	29.1	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	88	283319	28.4	
61 Trichloroethene	95	5.974	5.974	0.0	92	170441	28.2	
63 1,2-Dichloropropane	63		6.200					9
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92	7.205	7.205	0.0	98	468977	29.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					9
79 1,1,2-Trichloroethane	83		7.657					9
80 Tetrachloroethene	166	7.754	7.748	0.006	92	182383	31.5	
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112	8.656	8.656	0.0	93	531717	31.0	
89 Ethylbenzene	91	8.748	8.748	0.0	98	881080	30.0	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	98	719541	61.3	
91 o-Xylene	106	9.296	9.296	0.0	97	348146	30.4	
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

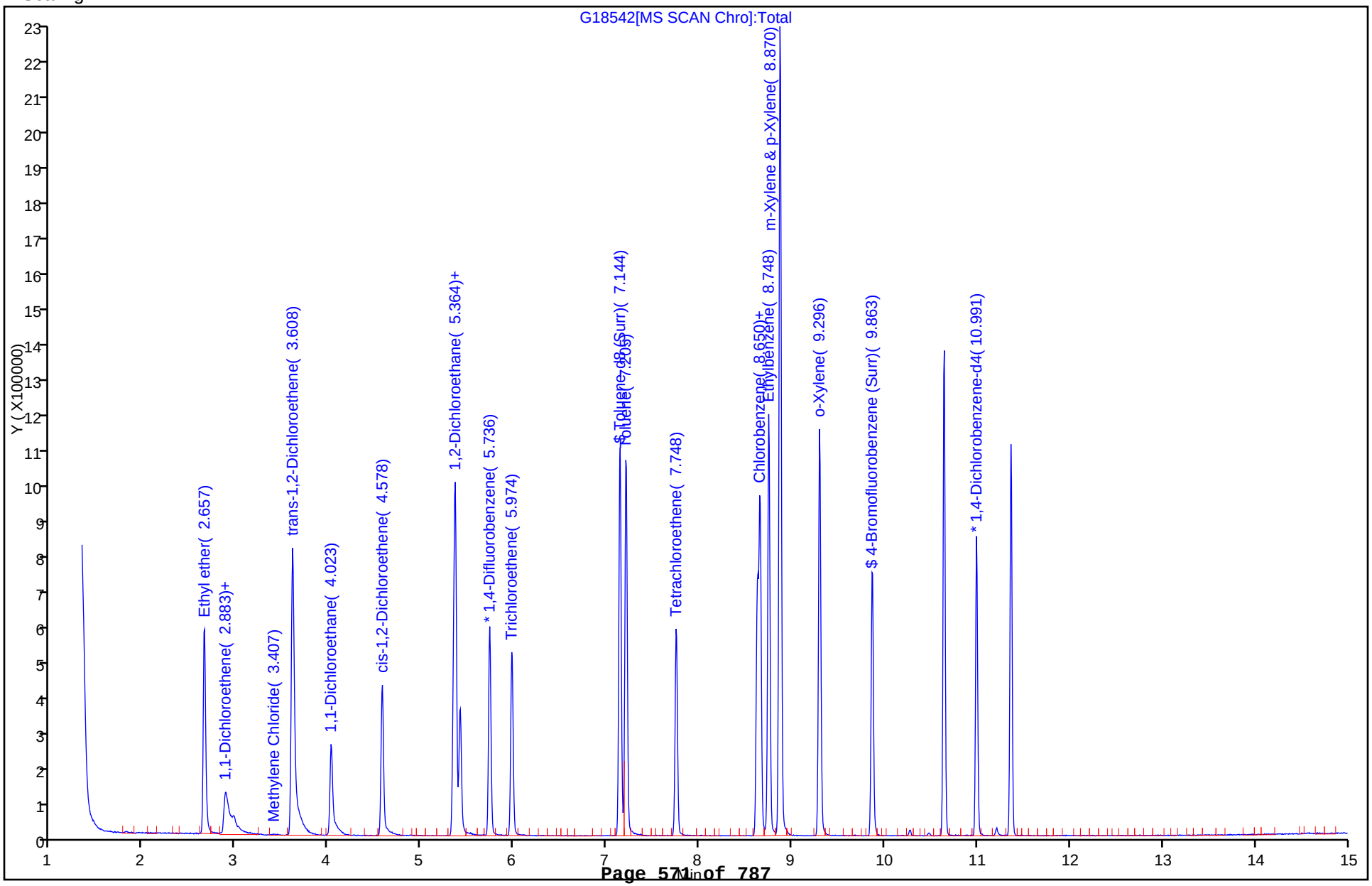
Report Date: 30-Dec-2012 14:47:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18542.D

Injection Date:	29-Dec-2012 14:57:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	14
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 MSD | Lab Sample ID: 480-30773-5 MSD

Matrix: Water | Lab File ID: G18583.D

Analysis Method: 8260B | Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/31/2012 01:12

Soil Aliquot Vol: | Dilution Factor: 40

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

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

Analysis Batch No.: 97832 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	33
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	8.4
79-00-5	1,1,2-Trichloroethane	ND		200	9.2
75-34-3	1,1-Dichloroethane	1080		200	15
75-35-4	1,1-Dichloroethene	675		200	12
107-06-2	1,2-Dichloroethane	1050		200	8.4
78-87-5	1,2-Dichloropropane	ND		200	29
78-93-3	2-Butanone (MEK)	ND		400	53
591-78-6	2-Hexanone	ND		400	50
554-14-3	2-Methylthiophene	ND		400	18
616-44-4	3-Methylthiophene	ND		400	21
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		400	84
67-64-1	Acetone	ND		400	120
71-43-2	Benzene	1050		40	16
75-27-4	Bromodichloromethane	ND		200	16
75-25-2	Bromoform	ND		200	10
74-83-9	Bromomethane	ND		400	28
75-15-0	Carbon disulfide	ND		200	7.6
56-23-5	Carbon tetrachloride	ND		200	11
108-90-7	Chlorobenzene	1110		200	30
75-00-3	Chloroethane	ND		400	13
67-66-3	Chloroform	ND		200	14
74-87-3	Chloromethane	ND		400	14
156-59-2	cis-1,2-Dichloroethene	1020		200	32
10061-01-5	cis-1,3-Dichloropropene	ND		200	14
124-48-1	Dibromochloromethane	ND		200	13
60-29-7	Ethyl ether	2770		400	29
100-41-4	Ethylbenzene	1090		200	30
179601-23-1	m&p-Xylene	2200		200	26
75-09-2	Methylene Chloride	ND		200	18
95-47-6	o-Xylene	1100		200	30
100-42-5	Styrene	ND		200	29
127-18-4	Tetrachloroethene	1140		200	14
108-88-3	Toluene	1070		200	20
156-60-5	trans-1,2-Dichloroethene	955		200	36
10061-02-6	trans-1,3-Dichloropropene	ND		200	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-005 MSD Lab Sample ID: 480-30773-5 MSD

Matrix: Water Lab File ID: G18583.D

Analysis Method: 8260B Date Collected: 12/19/2012 10:00

Sample wt/vol: 5(mL) Date Analyzed: 12/31/2012 01:12

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97832 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	1030		200	18
75-01-4	Vinyl chloride	ND		400	36

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		66-137
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
2037-26-5	Toluene-d8 (Surr)	115		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18583.D
Lims ID: 480-30773-B-5 MSD Client ID:
Inject. Date: 31-Dec-2012 01:12:30 Dil. Factor: 40.0000
Sample Type: MSD
Sample ID: 480-30773-B-5 MSD
Misc. Info.: 480-0017942-027 =480-0017942-027
Operator: NMD Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 26
Lims Batch ID: 97832 Lims Sample ID: 27
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G-8260.m
Last Update: 31-Dec-2012 09:27:48 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK018

First Level Reviewer: larsonr Date: 31-Dec-2012 09:27:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	437032	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	88	234133	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	96	214436	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.346	0.0	0	122970	27.2	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	684080	28.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	192412	28.6	
12 Chloromethane	50		1.615					
13 Vinyl chloride	62		1.713					9
14 Bromomethane	94		2.054					9
15 Chloroethane	64		2.133					
18 Ethyl ether	59	2.657	2.657	0.0	94	322920	69.2	
20 1,1-Dichloroethene	96	2.895	2.877	0.018	85	102868	16.9	
22 Acetone	43		2.975					
24 Carbon disulfide	76		3.078					
29 Methylene Chloride	84	3.407	3.395	0.012	33	2232	0.2505	
32 trans-1,2-Dichloroethene	96	3.621	3.615	0.006	93	156383	23.9	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	277714	26.9	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	70	158050	25.5	
44 2-Butanone (MEK)	43		4.602					9
50 Chloroform	85		4.877					9
51 1,1,1-Trichloroethane	97		5.011					9
53 Carbon tetrachloride	117		5.151					
56 Benzene	78	5.364	5.358	0.006	97	652718	26.3	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	89	252242	26.1	
61 Trichloroethene	95	5.980	5.974	0.006	93	149768	25.6	
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92	7.205	7.205	0.0	98	414267	26.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					9
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					
79 1,1,2-Trichloroethane	83		7.657					9
80 Tetrachloroethene	166	7.748	7.748	0.0	89	161197	28.4	
82 2-Hexanone	43		7.882					9
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112	8.656	8.650	0.006	92	470052	27.9	
89 Ethylbenzene	91	8.748	8.748	0.0	98	783718	27.2	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	633161	54.9	
91 o-Xylene	106	9.302	9.296	0.006	97	307802	27.4	
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

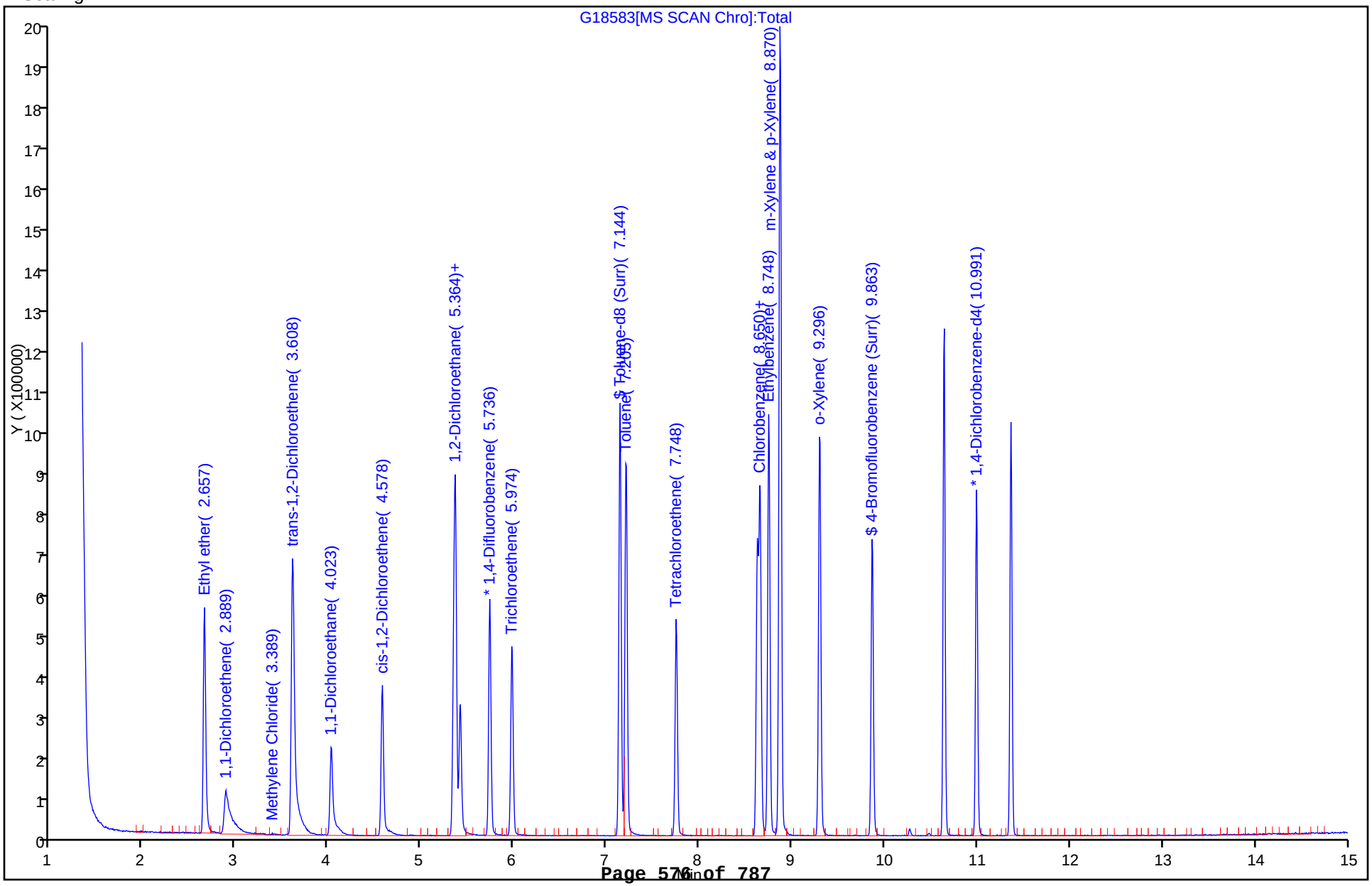
Report Date: 31-Dec-2012 09:27:51 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121230-17942.b\G18583.D

Injection Date:	31-Dec-2012 01:12:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97832	Lims Sample ID:	27
Operator ID:	NMD	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 MSD | Lab Sample ID: 480-30773-11 MSD

Matrix: Water | Lab File ID: S21628.D

Analysis Method: 8260B | Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/28/2012 19:40

Soil Aliquot Vol: | Dilution Factor: 5

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

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

Analysis Batch No.: 97675 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		25	4.1
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	1.1
79-00-5	1,1,2-Trichloroethane	ND		25	1.2
75-34-3	1,1-Dichloroethane	107		25	1.9
75-35-4	1,1-Dichloroethene	73.8		25	1.5
107-06-2	1,2-Dichloroethane	132		25	1.1
78-87-5	1,2-Dichloropropane	ND		25	3.6
78-93-3	2-Butanone (MEK)	ND		50	6.6
591-78-6	2-Hexanone	ND		50	6.2
554-14-3	2-Methylthiophene	ND		50	2.2
616-44-4	3-Methylthiophene	ND		50	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	11
67-64-1	Acetone	45.2	J	50	15
71-43-2	Benzene	105		5.0	2.1
75-27-4	Bromodichloromethane	ND		25	2.0
75-25-2	Bromoform	ND		25	1.3
74-83-9	Bromomethane	ND		50	3.5
75-15-0	Carbon disulfide	ND		25	0.95
56-23-5	Carbon tetrachloride	ND		25	1.4
108-90-7	Chlorobenzene	110		25	3.8
75-00-3	Chloroethane	ND		50	1.6
67-66-3	Chloroform	ND		25	1.7
74-87-3	Chloromethane	ND		50	1.8
156-59-2	cis-1,2-Dichloroethene	108		25	4.1
10061-01-5	cis-1,3-Dichloropropene	ND		25	1.8
124-48-1	Dibromochloromethane	ND		25	1.6
60-29-7	Ethyl ether	12.1	J	50	3.6
100-41-4	Ethylbenzene	104		25	3.7
179601-23-1	m&p-Xylene	202		25	3.3
75-09-2	Methylene Chloride	ND		25	2.2
95-47-6	o-Xylene	103		25	3.8
100-42-5	Styrene	ND		25	3.7
127-18-4	Tetrachloroethene	93.5		25	1.8
108-88-3	Toluene	1120		25	2.6
156-60-5	trans-1,2-Dichloroethene	100		25	4.5
10061-02-6	trans-1,3-Dichloropropene	ND		25	1.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-013 MSD Lab Sample ID: 480-30773-11 MSD

Matrix: Water Lab File ID: S21628.D

Analysis Method: 8260B Date Collected: 12/19/2012 16:00

Sample wt/vol: 5(mL) Date Analyzed: 12/28/2012 19:40

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97675 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	106		25	2.3
75-01-4	Vinyl chloride	ND		50	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		66-137
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21628.D
Lims ID: 480-30773-A-11 MSD Client ID: GW-44538-121912-013
Inject. Date: 28-Dec-2012 19:40:30 Dil. Factor: 5.0000
Sample Type: MSD
Sample ID: 480-30773-A-11 MSD
Misc. Info.: 480-0017912-021 =480-0017912-021
Operator: TF Instrument ID: HP5973S
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 97675 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S-8260.m
Last Update: 29-Dec-2012 13:42:25 Calib Date: 24-Dec-2012 17:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20121224-17830.b\S21555.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: fergusont Date: 29-Dec-2012 13:42:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.762	4.756	0.006	95	685464	25.0	
* 2 Chlorobenzene-d5	82	6.958	6.952	0.006	87	366790	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.820	8.819	0.001	96	305401	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.458	4.458	0.0	61	130676	27.4	
$ 5 Toluene-d8 (Surr)	98	5.839	5.839	0.0	94	740626	25.4	
$ 6 4-Bromofluorobenzene (Surr)	174	7.889	7.889	0.0	84	200535	22.1	
12 Chloromethane	50		1.288					19
13 Vinyl chloride	62		1.398					
14 Bromomethane	94		1.623					
15 Chloroethane	64		1.720					
18 Ethyl ether	59	2.152	2.152	0.0	86	18941	2.43	
22 1,1-Dichloroethene	96	2.383	2.377	0.006	87	108377	14.8	
23 Acetone	43	2.474	2.468	0.006	85	28165	9.05	
26 Carbon disulfide	76		2.560					
30 Methylene Chloride	84		2.852					19
34 trans-1,2-Dichloroethene	96	2.998	2.992	0.006	59	156799	20.1	
39 1,1-Dichloroethane	63	3.363	3.357	0.006	85	295573	21.4	
45 cis-1,2-Dichloroethene	96	3.819	3.819	0.0	70	180579	21.5	
43 2-Butanone (MEK)	43		3.868					1
50 Chloroform	83		4.075					
51 1,1,1-Trichloroethane	97		4.166					
55 Carbon tetrachloride	117		4.275					
57 Benzene	78	4.458	4.452	0.006	96	679602	21.0	
58 1,2-Dichloroethane	62	4.512	4.513	-0.001	72	299996	26.4	
62 Trichloroethene	95	4.932	4.932	0.0	93	164166	21.2	
65 1,2-Dichloropropane	63		5.127					
68 Dichlorobromomethane	83		5.352					
72 cis-1,3-Dichloropropene	75		5.668					
73 4-Methyl-2-pentanone (MIBK)	43		5.790					149
74 Toluene	92	5.893	5.887	0.006	98	4733111	224.3	E

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
76 2-Methylthiophene	97		5.991					
77 trans-1,3-Dichloropropene	75		6.100					
78 3-Methylthiophene	97		6.118					
79 1,1,2-Trichloroethane	83		6.246					19
81 Tetrachloroethene	166	6.283	6.283	0.0	87	145496	18.7	
80 2-Hexanone	43		6.423					
83 Chlorodibromomethane	129		6.544					
87 Chlorobenzene	112	6.976	6.976	0.0	90	494205	21.9	
88 Ethylbenzene	91	7.043	7.043	0.0	99	829906	20.8	
90 m-Xylene & p-Xylene	106	7.135	7.135	-0.001	99	606554	40.5	
91 o-Xylene	106	7.451	7.451	0.0	98	310989	20.7	
92 Styrene	104		7.475					
95 Bromoform	173		7.664					
97 1,1,2,2-Tetrachloroethane	83		8.047					

QC Flag Legend

Processing Flags
1 - Missing Peaks
4 - Failed Signal Ratio Test
E - Exceeded Maximum Amount
9 - Failed A Reference Spectral Test

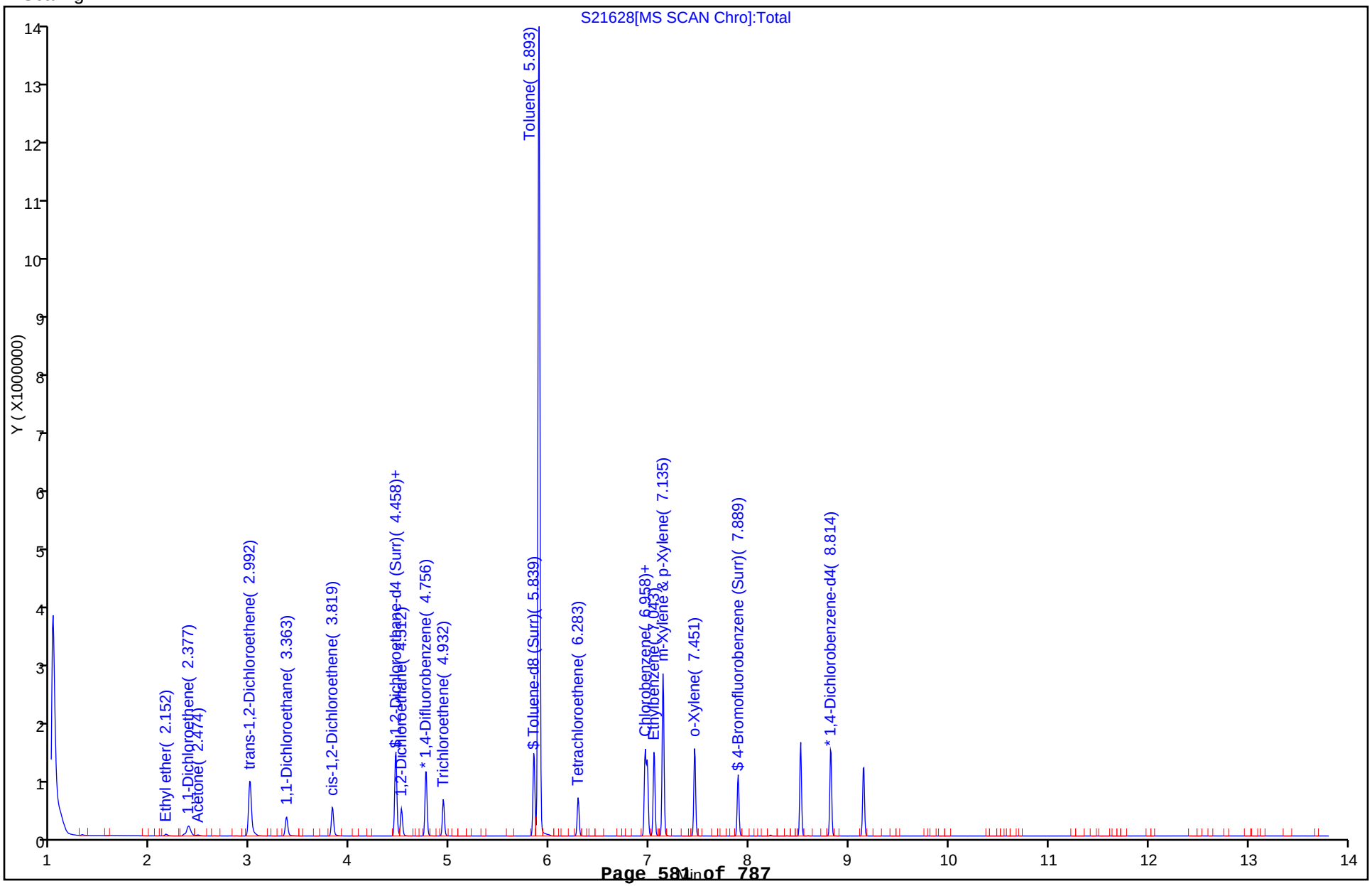
Report Date: 29-Dec-2012 13:42:26 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20121228-17912.b\S21628.D

Injection Date:	28-Dec-2012 19:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	GW-44538-121912-013	Instrument ID:	HP5973S
Lims Batch ID:	97675	Lims Sample ID:	21
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 MSD | Lab Sample ID: 480-30773-14 MSD

Matrix: Water | Lab File ID: G18543.D

Analysis Method: 8260B | Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/29/2012 15:20

Soil Aliquot Vol: | Dilution Factor: 20

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

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

Analysis Batch No.: 97793 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		100	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		100	4.2
79-00-5	1,1,2-Trichloroethane	ND		100	4.6
75-34-3	1,1-Dichloroethane	555		100	7.6
75-35-4	1,1-Dichloroethene	347		100	5.8
107-06-2	1,2-Dichloroethane	529		100	4.2
78-87-5	1,2-Dichloropropane	ND		100	14
78-93-3	2-Butanone (MEK)	ND		200	26
591-78-6	2-Hexanone	ND		200	25
554-14-3	2-Methylthiophene	ND		200	8.8
616-44-4	3-Methylthiophene	ND		200	11
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		200	42
67-64-1	Acetone	207		200	60
71-43-2	Benzene	547		20	8.2
75-27-4	Bromodichloromethane	ND		100	7.8
75-25-2	Bromoform	ND		100	5.2
74-83-9	Bromomethane	ND		200	14
75-15-0	Carbon disulfide	ND		100	3.8
56-23-5	Carbon tetrachloride	ND		100	5.4
108-90-7	Chlorobenzene	590		100	15
75-00-3	Chloroethane	ND		200	6.4
67-66-3	Chloroform	ND		100	6.8
74-87-3	Chloromethane	ND		200	7.0
156-59-2	cis-1,2-Dichloroethene	529		100	16
10061-01-5	cis-1,3-Dichloropropene	ND		100	7.2
124-48-1	Dibromochloromethane	ND		100	6.4
60-29-7	Ethyl ether	1380		200	14
100-41-4	Ethylbenzene	569		100	15
179601-23-1	m&p-Xylene	1140		100	13
75-09-2	Methylene Chloride	ND		100	8.8
95-47-6	o-Xylene	573		100	15
100-42-5	Styrene	ND		100	15
127-18-4	Tetrachloroethene	581		100	7.2
108-88-3	Toluene	561		100	10
156-60-5	trans-1,2-Dichloroethene	511		100	18
10061-02-6	trans-1,3-Dichloropropene	ND		100	7.4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 MSD Lab Sample ID: 480-30773-14 MSD

Matrix: Water Lab File ID: G18543.D

Analysis Method: 8260B Date Collected: 12/19/2012 14:00

Sample wt/vol: 5(mL) Date Analyzed: 12/29/2012 15:20

Soil Aliquot Vol: Dilution Factor: 20

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 97793 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	527		100	9.2
75-01-4	Vinyl chloride	ND		200	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		66-137
460-00-4	4-Bromofluorobenzene (Surr)	120		73-120
2037-26-5	Toluene-d8 (Surr)	116		71-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18543.D
Lims ID: 480-30773-C-14 MSD Client ID:
Inject. Date: 29-Dec-2012 15:20:30 Dil. Factor: 20.0000
Sample Type: MSD
Sample ID: 480-30773-C-14 MSD
Misc. Info.: 480-0017927-015 =480-0017927-015
Operator: TF Instrument ID: HP5973G
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 97793 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G-8260.m
Last Update: 30-Dec-2012 14:48:42 Calib Date: 13-Dec-2012 17:35:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20121213-17502.b\G18000.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: ZB-624 Column Dia: 0.25 mm
Process Host: XAWRK002

First Level Reviewer: diasn Date: 30-Dec-2012 14:48:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.736	5.736	0.0	95	468029	25.0	
* 2 Chlorobenzene-d5	82	8.626	8.626	0.0	87	243014	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.991	10.991	0.0	97	217686	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.346	5.340	0.006	0	123718	25.5	
$ 5 Toluene-d8 (Surr)	98	7.144	7.138	0.006	92	719189	29.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.869	9.863	0.006	86	209304	30.0	
12 Chloromethane	50		1.621					9
13 Vinyl chloride	62		1.713					9
14 Bromomethane	94		2.048					9
15 Chloroethane	64		2.152					9
18 Ethyl ether	59	2.657	2.651	0.006	93	346168	69.2	
20 1,1-Dichloroethene	96	2.889	2.883	0.006	86	113399	17.4	
22 Acetone	43	2.974	2.968	0.006	95	28346	10.4	
24 Carbon disulfide	76		3.084					
29 Methylene Chloride	84	3.407	3.401	0.006	46	3249	0.3405	
32 trans-1,2-Dichloroethene	96	3.621	3.609	0.012	93	179066	25.5	
36 1,1-Dichloroethane	63	4.023	4.017	0.006	85	306461	27.7	
43 cis-1,2-Dichloroethene	96	4.578	4.572	0.006	70	175696	26.4	
44 2-Butanone (MEK)	43		4.602					
50 Chloroform	85		4.883					9
51 1,1,1-Trichloroethane	97		5.011					9
53 Carbon tetrachloride	117		5.151					
56 Benzene	78	5.364	5.358	0.006	97	726994	27.3	
57 1,2-Dichloroethane	62	5.419	5.413	0.006	89	273408	26.5	
61 Trichloroethene	95	5.974	5.974	0.0	93	164921	26.4	
63 1,2-Dichloropropane	63		6.200					
67 Dichlorobromomethane	83		6.486					
72 cis-1,3-Dichloropropene	75		6.907					
73 4-Methyl-2-pentanone (MIBK)	43		7.047					9
74 Toluene	92	7.211	7.205	0.006	98	451808	28.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
75 2-Methylthiophene	97		7.339					
76 trans-1,3-Dichloropropene	75		7.468					
77 3-Methylthiophene	97		7.504					9
79 1,1,2-Trichloroethane	83		7.657					9
80 Tetrachloroethene	166	7.754	7.748	0.006	93	171258	29.0	
82 2-Hexanone	43		7.882					
83 Chlorodibromomethane	129		8.059					
86 Chlorobenzene	112	8.656	8.656	0.0	92	516104	29.5	
89 Ethylbenzene	91	8.748	8.748	0.0	98	849614	28.4	
90 m-Xylene & p-Xylene	106	8.870	8.870	0.0	99	685018	57.2	
91 o-Xylene	106	9.296	9.296	0.0	97	333884	28.6	
92 Styrene	104		9.321					
93 Bromoform	173		9.559					
98 1,1,2,2-Tetrachloroethane	83		10.046					9

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

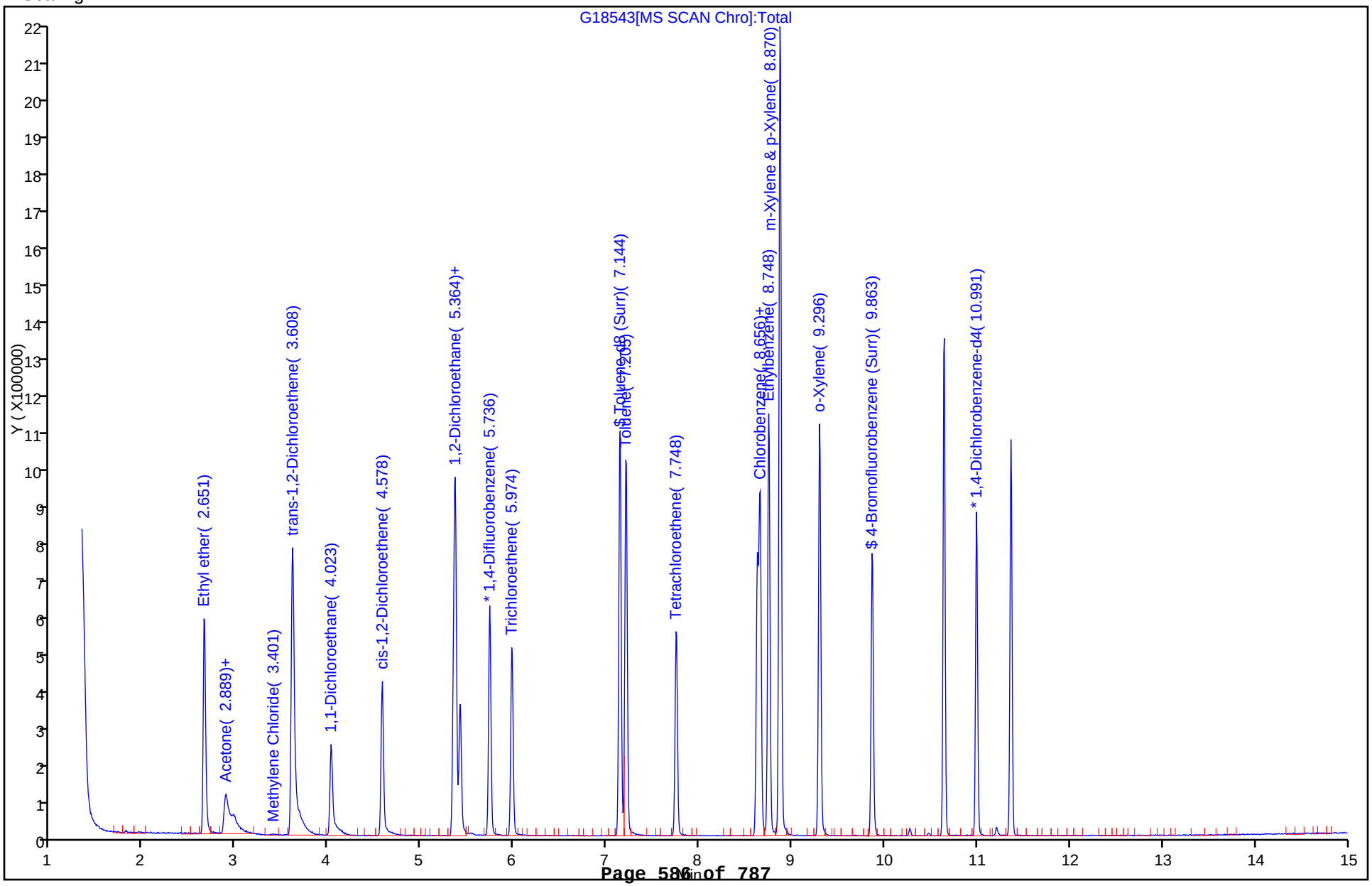
Report Date: 30-Dec-2012 14:48:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973G\20121229-17927.b\G18543.D

Injection Date:	29-Dec-2012 15:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	97793	Lims Sample ID:	15
Operator ID:	TF	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.: 480-30773-1

SDG No.:

Instrument ID: HP5973G Start Date: 12/12/2012 16:42

Analysis Batch Number: 95471 End Date: 12/12/2012 20:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-95471/1		12/12/2012 16:42	1	G17980.D	ZB-624 (60) 0.25(mm)
IC 480-95471/3		12/12/2012 17:29	1	G17982.D	ZB-624 (60) 0.25(mm)
IC 480-95471/4		12/12/2012 17:52	1	G17983.D	ZB-624 (60) 0.25(mm)
IC 480-95471/5		12/12/2012 18:15	1	G17984.D	ZB-624 (60) 0.25(mm)
ICIS 480-95471/6		12/12/2012 18:38	1	G17985.D	ZB-624 (60) 0.25(mm)
IC 480-95471/7		12/12/2012 19:01	1	G17986.D	ZB-624 (60) 0.25(mm)
IC 480-95471/8		12/12/2012 19:23	1	G17987.D	ZB-624 (60) 0.25(mm)
ICV 480-95471/10		12/12/2012 20:09	1		ZB-624 (60) 0.25(mm)
MDLV 480-95471/12		12/12/2012 20:55	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973G Start Date: 12/13/2012 14:39

Analysis Batch Number: 95589 End Date: 12/13/2012 17:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-95589/1		12/13/2012 14:39	1	G17993.D	ZB-624 (60) 0.25(mm)
IC 480-95589/14		12/13/2012 15:41	1	G17995.D	ZB-624 (60) 0.25(mm)
IC 480-95589/15		12/13/2012 16:04	1	G17996.D	ZB-624 (60) 0.25(mm)
IC 480-95589/16		12/13/2012 16:27	1	G17997.D	ZB-624 (60) 0.25(mm)
IC 480-95589/17		12/13/2012 16:49	1	G17998.D	ZB-624 (60) 0.25(mm)
IC 480-95589/18		12/13/2012 17:12	1	G17999.D	ZB-624 (60) 0.25(mm)
IC 480-95589/19		12/13/2012 17:35	1	G18000.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973G Start Date: 12/29/2012 09:50

Analysis Batch Number: 97793 End Date: 12/29/2012 19:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-97793/1		12/29/2012 09:50	1	G18530.D	ZB-624 (60) 0.25(mm)
CCVIS 480-97793/2		12/29/2012 10:19	1	G18531.D	ZB-624 (60) 0.25(mm)
CCV 480-97793/3		12/29/2012 10:52	1	G18532.D	ZB-624 (60) 0.25(mm)
LCS 480-97793/4		12/29/2012 11:15	1	G18533.D	ZB-624 (60) 0.25(mm)
MB 480-97793/5		12/29/2012 11:37	1	G18534.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 12:20	1		ZB-624 (60) 0.25(mm)
480-30773-6 DL	GW-44538-121912-006 DL	12/29/2012 13:05	50	G18537.D	ZB-624 (60) 0.25(mm)
480-30773-7 DL	GW-44538-121912-007 DL	12/29/2012 13:27	40	G18538.D	ZB-624 (60) 0.25(mm)
480-30773-8 DL	GW-44538-121912-008 DL	12/29/2012 13:50	2	G18539.D	ZB-624 (60) 0.25(mm)
480-30773-11 DL	GW-44538-121912-013 DL	12/29/2012 14:12	20	G18540.D	ZB-624 (60) 0.25(mm)
480-30773-14 DL	GW-44538-121912-010 DL	12/29/2012 14:35	20	G18541.D	ZB-624 (60) 0.25(mm)
480-30773-14 MS	GW-44538-121912-010 MS	12/29/2012 14:57	20	G18542.D	ZB-624 (60) 0.25(mm)
480-30773-14 MSD	GW-44538-121912-010 MSD	12/29/2012 15:20	20	G18543.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 15:42	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 16:04	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 16:27	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 16:49	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 17:12	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 17:35	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 17:57	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 18:20	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 18:43	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 19:06	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 19:28	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/29/2012 19:50	10		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973G Start Date: 12/30/2012 14:19

Analysis Batch Number: 97832 End Date: 12/31/2012 01:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-97832/1		12/30/2012 14:19	1	G18557.D	ZB-624 (60) 0.25(mm)
CCVIS 480-97832/2		12/30/2012 14:54	1	G18558.D	ZB-624 (60) 0.25(mm)
CCV 480-97832/3		12/30/2012 15:16	1	G18559.D	ZB-624 (60) 0.25(mm)
LCS 480-97832/4		12/30/2012 15:39	1	G18560.D	ZB-624 (60) 0.25(mm)
MB 480-97832/5		12/30/2012 16:02	1	G18561.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 17:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 17:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 18:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 18:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 18:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 19:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 19:33	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 19:55	40		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 20:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 20:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 21:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 21:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 21:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 22:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 22:35	10		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 22:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 23:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/30/2012 23:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/31/2012 00:05	1		ZB-624 (60) 0.25(mm)
480-30773-5 DL	GW-44538-121912-005 DL	12/31/2012 00:27	40	G18581.D	ZB-624 (60) 0.25(mm)
480-30773-5 MS	GW-44538-121912-005 MS	12/31/2012 00:50	40	G18582.D	ZB-624 (60) 0.25(mm)
480-30773-5 MSD	GW-44538-121912-005 MSD	12/31/2012 01:12	40	G18583.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/24/2012 10:22

Analysis Batch Number: 97278 End Date: 12/24/2012 17:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-97278/1		12/24/2012 10:22	1	S21537.D	ZB-624 (60) 0.25(mm)
IC 480-97278/3		12/24/2012 11:33	1	S21539.D	ZB-624 (60) 0.25(mm)
IC 480-97278/4		12/24/2012 11:55	1	S21540.D	ZB-624 (60) 0.25(mm)
IC 480-97278/5		12/24/2012 12:17	1	S21541.D	ZB-624 (60) 0.25(mm)
ICIS 480-97278/6		12/24/2012 12:38	1	S21542.D	ZB-624 (60) 0.25(mm)
IC 480-97278/7		12/24/2012 13:00	1	S21543.D	ZB-624 (60) 0.25(mm)
IC 480-97278/8		12/24/2012 13:22	1	S21544.D	ZB-624 (60) 0.25(mm)
ICV 480-97278/10		12/24/2012 14:05	1		ZB-624 (60) 0.25(mm)
MDLV 480-97278/12		12/24/2012 14:49	1		ZB-624 (60) 0.25(mm)
IC 480-97278/14		12/24/2012 15:32	1	S21550.D	ZB-624 (60) 0.25(mm)
IC 480-97278/15		12/24/2012 15:54	1	S21551.D	ZB-624 (60) 0.25(mm)
IC 480-97278/16		12/24/2012 16:15	1	S21552.D	ZB-624 (60) 0.25(mm)
IC 480-97278/17		12/24/2012 16:37	1	S21553.D	ZB-624 (60) 0.25(mm)
IC 480-97278/18		12/24/2012 16:58	1	S21554.D	ZB-624 (60) 0.25(mm)
IC 480-97278/19		12/24/2012 17:20	1	S21555.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973S Start Date: 12/28/2012 11:46

Analysis Batch Number: 97675 End Date: 12/28/2012 21:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-97675/1		12/28/2012 11:46	1	S21608.D	ZB-624 (60) 0.25(mm)
CCVIS 480-97675/2		12/28/2012 12:21	1	S21609.D	ZB-624 (60) 0.25(mm)
CCV 480-97675/3		12/28/2012 12:59	1	S21610.D	ZB-624 (60) 0.25(mm)
LCS 480-97675/4		12/28/2012 13:21	1	S21611.D	ZB-624 (60) 0.25(mm)
MB 480-97675/5		12/28/2012 13:42	1	S21612.D	ZB-624 (60) 0.25(mm)
ZZZZZ		12/28/2012 14:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/28/2012 14:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		12/28/2012 14:57	1		ZB-624 (60) 0.25(mm)
480-30773-1	GW-44538-121912-001	12/28/2012 15:18	5	S21616.D	ZB-624 (60) 0.25(mm)
480-30773-2	GW-44538-121912-002	12/28/2012 15:40	1	S21617.D	ZB-624 (60) 0.25(mm)
480-30773-3	GW-44538-121912-003	12/28/2012 16:02	1	S21618.D	ZB-624 (60) 0.25(mm)
480-30773-4	GW-44538-121912-004	12/28/2012 16:24	5	S21619.D	ZB-624 (60) 0.25(mm)
480-30773-5	GW-44538-121912-005	12/28/2012 16:45	1	S21620.D	ZB-624 (60) 0.25(mm)
480-30773-6	GW-44538-121912-006	12/28/2012 17:07	5	S21621.D	ZB-624 (60) 0.25(mm)
480-30773-7	GW-44538-121912-007	12/28/2012 17:29	5	S21622.D	ZB-624 (60) 0.25(mm)
480-30773-8	GW-44538-121912-008	12/28/2012 17:51	1	S21623.D	ZB-624 (60) 0.25(mm)
480-30773-9	GW-44538-121912-011	12/28/2012 18:13	5	S21624.D	ZB-624 (60) 0.25(mm)
480-30773-10	GW-44538-121912-012	12/28/2012 18:34	10	S21625.D	ZB-624 (60) 0.25(mm)
480-30773-11	GW-44538-121912-013	12/28/2012 18:56	5	S21626.D	ZB-624 (60) 0.25(mm)
480-30773-11 MS	GW-44538-121912-013 MS	12/28/2012 19:18	5	S21627.D	ZB-624 (60) 0.25(mm)
480-30773-11 MSD	GW-44538-121912-013 MSD	12/28/2012 19:40	5	S21628.D	ZB-624 (60) 0.25(mm)
480-30773-12	GW-44538-121912-014	12/28/2012 20:01	1	S21629.D	ZB-624 (60) 0.25(mm)
480-30773-13	GW-44538-121912-009	12/28/2012 20:22	1	S21630.D	ZB-624 (60) 0.25(mm)
480-30773-14	GW-44538-121912-010	12/28/2012 20:43	10	S21631.D	ZB-624 (60) 0.25(mm)
480-30773-15	GW-44538-122012-015	12/28/2012 21:05	1	S21632.D	ZB-624 (60) 0.25(mm)
480-30773-16	GW-44538-122012-016	12/28/2012 21:26	1	S21633.D	ZB-624 (60) 0.25(mm)
480-30773-17	GW-44538-122012-017	12/28/2012 21:47	1	S21634.D	ZB-624 (60) 0.25(mm)

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
GW-44538-121912-009	480-30773-13	54	50	79	86	102	91
GW-44538-121912-010	480-30773-14	53	51	74	82	108	98
GW-44538-122012-015	480-30773-15	52	50	77	87	107	90
GW-44538-122012-016	480-30773-16	49	48	72	76	99	92
GW-44538-122012-017	480-30773-17	52	50	71	82	95	95
	MB 480-97415/1-A	41	30	80	87	100	92
	LCS 480-97415/2-A	46	36	85	91	112	99
	LCSD 480-97415/3-A	46	36	84	90	110	98

	QC LIMITS
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5019.D

Lab ID: LCS 480-97415/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	100	72.2	72	40-120	
1,4-Dichlorobenzene	100	63.7	64	32-120	
2,4-Dinitrotoluene	100	107	107	65-154	
2-Chlorophenol	100	75.8	76	48-120	
4-Chloro-3-methylphenol	100	99.5	99	64-120	
4-Nitrophenol	100	54.6	55	16-120	
Acenaphthene	100	96.5	96	60-120	
Bis(2-ethylhexyl) phthalate	100	102	102	53-158	
Fluorene	100	106	106	55-143	
Hexachloroethane	100	59.4	59	14-101	
N-Nitrosodi-n-propylamine	100	86.3	86	56-120	
Pentachlorophenol	100	108	108	39-136	
Phenol	100	44.1	44	17-120	
Pyrene	100	100	100	58-136	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Matrix: Water Level: Low Lab File ID: U5020.D

Lab ID: LCSD 480-97415/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	100	70.6	71	2	30	40-120	
1,4-Dichlorobenzene	100	60.9	61	4	36	32-120	
2,4-Dinitrotoluene	100	105	105	2	20	65-154	
2-Chlorophenol	100	74.6	75	2	25	48-120	
4-Chloro-3-methylphenol	100	96.4	96	3	27	64-120	
4-Nitrophenol	100	55.7	56	2	48	16-120	
Acenaphthene	100	95.1	95	1	24	60-120	
Bis(2-ethylhexyl) phthalate	100	99.9	100	2	15	53-158	
Fluorene	100	104	104	1	15	55-143	
Hexachloroethane	100	56.7	57	5	46	14-101	
N-Nitrosodi-n-propylamine	100	82.9	83	4	31	56-120	
Pentachlorophenol	100	106	106	2	37	39-136	
Phenol	100	42.6	43	3	34	17-120	
Pyrene	100	99.1	99	1	19	58-136	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: U5018.D Lab Sample ID: MB 480-97415/1-A

Matrix: Water Date Extracted: 12/26/2012 14:02

Instrument ID: HP5973U Date Analyzed: 12/27/2012 12:11

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-97415/2-A	U5019.D	12/27/2012 12:35
	LCSD 480-97415/3-A	U5020.D	12/27/2012 12:59
GW-44538-121912-009	480-30773-13	U5021.D	12/27/2012 13:22
GW-44538-121912-010	480-30773-14	U5022.D	12/27/2012 13:46
GW-44538-122012-015	480-30773-15	U5023.D	12/27/2012 14:10
GW-44538-122012-016	480-30773-16	U5024.D	12/27/2012 14:34
GW-44538-122012-017	480-30773-17	U5025.D	12/27/2012 14:58

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: U4099.D DFTPP Injection Date: 11/20/2012

Instrument ID: HP5973U DFTPP Injection Time: 10:10

Analysis Batch No.: 91840

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	36.5	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	48.3	
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	25.4	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	15.8	(79.4)1
442	Greater than 40.0 % of mass 198	102.4	
443	17.0 - 23.0 % of mass 442	19.8	(19.4)2

1-Value is % mass 69 2-Value is % mass 442

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 480-91840/3	U4101.D	11/20/2012	10:52
	ICIS 480-91840/4	U4102.D	11/20/2012	11:15
	IC 480-91840/5	U4103.D	11/20/2012	11:39
	IC 480-91840/6	U4104.D	11/20/2012	12:04
	IC 480-91840/7	U4105.D	11/20/2012	12:27
	IC 480-91840/8	U4106.D	11/20/2012	13:17
	IC 480-91840/9	U4107.D	11/20/2012	13:41
	IC 480-91840/10	U4108.D	11/20/2012	14:04
	IC 480-91840/11	U4109.D	11/20/2012	14:28
	IC 480-91840/12	U4110.D	11/20/2012	14:52
	IC 480-91840/13	U4111.D	11/20/2012	15:16
	IC 480-91840/2	U4112.D	11/20/2012	15:39

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab File ID: U5015.D DFTPP Injection Date: 12/27/2012

Instrument ID: HP5973U DFTPP Injection Time: 11:07

Analysis Batch No.: 97535

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	37.2	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	47.0	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	28.0	
365	Greater than 1.0 % of mass 198	3.7	
441	Present but less than mass 443	14.5	(61.9)1
442	Greater than 40.0 % of mass 198	119.2	
443	17.0 - 23.0 % of mass 442	23.4	(19.7)2

1-Value is % mass 69 2-Value is % mass 442

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 480-97535/2	U5016.D	12/27/2012	11:24
	CCV 480-97535/3	U5017.D	12/27/2012	11:47
	MB 480-97415/1-A	U5018.D	12/27/2012	12:11
	LCS 480-97415/2-A	U5019.D	12/27/2012	12:35
	LCSD 480-97415/3-A	U5020.D	12/27/2012	12:59
GW-44538-121912-009	480-30773-13	U5021.D	12/27/2012	13:22
GW-44538-121912-010	480-30773-14	U5022.D	12/27/2012	13:46
GW-44538-122012-015	480-30773-15	U5023.D	12/27/2012	14:10
GW-44538-122012-016	480-30773-16	U5024.D	12/27/2012	14:34
GW-44538-122012-017	480-30773-17	U5025.D	12/27/2012	14:58

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: ICIS 480-91840/4 Date Analyzed: 11/20/2012 11:15

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U4102.D Heated Purge: (Y/N) N

Calibration ID: 11256

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		122518	6.01	489322	7.67	287922	9.93
UPPER LIMIT		245036	6.51	978644	8.17	575844	10.43
LOWER LIMIT		61259	5.51	244661	7.17	143961	9.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97535/2		100829	5.93	392945	7.60	243385	9.86

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: ICIS 480-91840/4 Date Analyzed: 11/20/2012 11:15

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U4102.D Heated Purge: (Y/N) N

Calibration ID: 11256

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		497045	11.63	510410	14.13	572794	15.50
UPPER LIMIT		994090	12.13	1020820	14.63	1145588	16.00
LOWER LIMIT		248523	11.13	255205	13.63	286397	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-97535/2		409533	11.57	438920	14.07	498050	15.42

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: CCVIS 480-97535/2 Date Analyzed: 12/27/2012 11:24

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5016.D Heated Purge: (Y/N) N

Calibration ID: 11258

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		100829	5.93	392945	7.60	243385	9.86
UPPER LIMIT		201658	6.43	785890	8.10	486770	10.36
LOWER LIMIT		50415	5.43	196473	7.10	121693	9.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-97415/1-A		86474	5.93	337863	7.60	198707	9.86
LCS 480-97415/2-A		93383	5.93	368658	7.60	226352	9.87
LCSD 480-97415/3-A		88761	5.93	347773	7.60	213892	9.87
480-30773-13	GW-44538-121912-009	86696	5.93	335257	7.60	201046	9.86
480-30773-14	GW-44538-121912-010	87923	5.93	340954	7.60	204782	9.86
480-30773-15	GW-44538-122012-015	87468	5.93	340397	7.60	201180	9.86
480-30773-16	GW-44538-122012-016	87827	5.93	340288	7.60	203470	9.86
480-30773-17	GW-44538-122012-017	91703	5.93	358887	7.60	210289	9.86

DCB = 1,4-Dichlorobenzene-d4
DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
Area Limit = 50%-200% of internal standard area
ANT = Acenaphthene-d10
RT Limit = ± 0.5 minutes of internal standard RT
ANT = Acenaphthene-d10

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Sample No.: CCVIS 480-97535/2 Date Analyzed: 12/27/2012 11:24

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): U5016.D Heated Purge: (Y/N) N

Calibration ID: 11258

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		409533	11.57	438920	14.07	498050	15.42
UPPER LIMIT		819066	12.07	877840	14.57	996100	15.92
LOWER LIMIT		204767	11.07	219460	13.57	249025	14.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-97415/1-A		343395	11.57	374406	14.06	420832	15.41
LCS 480-97415/2-A		376653	11.57	409217	14.07	486421	15.42
LCSD 480-97415/3-A		355553	11.58	382115	14.07	452386	15.42
480-30773-13	GW-44538-121912-009	341300	11.57	372438	14.06	417489	15.41
480-30773-14	GW-44538-121912-010	343617	11.57	372330	14.06	438373	15.41
480-30773-15	GW-44538-122012-015	341449	11.57	376933	14.06	427274	15.41
480-30773-16	GW-44538-122012-016	343417	11.57	372966	14.06	424119	15.41
480-30773-17	GW-44538-122012-017	359147	11.57	391475	14.06	445943	15.41

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
Area Limit = 50%-200% of internal standard area
PRY = Perylene-d12
RT Limit = ± 0.5 minutes of internal standard RT
PRY = Perylene-d12

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 | Lab Sample ID: 480-30773-13

Matrix: Water | Lab File ID: U5021.D

Analysis Method: 8270C | Date Collected: 12/19/2012 13:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:22

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.95
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.95
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.95
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.95
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.83
106-44-5	4-Methylphenol	ND		24	0.86
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.98
208-96-8	Acenaphthylene	ND		12	0.90
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	ND		12	0.86
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 | Lab Sample ID: 480-30773-13

Matrix: Water | Lab File ID: U5021.D

Analysis Method: 8270C | Date Collected: 12/19/2012 13:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:22

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		12	0.81
191-24-2	Benzo(g,h,i)perylene	ND		12	0.83
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.83
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.95
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	ND		12	0.79
53-70-3	Dibenz(a,h)anthracene	ND		12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.86
84-74-2	Di-n-butyl phthalate	ND		12	0.74
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.95
86-73-7	Fluorene	ND		12	0.86
118-74-1	Hexachlorobenzene	ND		12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	ND		12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.69
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.93
129-00-0	Pyrene	ND		12	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 | Lab Sample ID: 480-30773-13

Matrix: Water | Lab File ID: U5021.D

Analysis Method: 8270C | Date Collected: 12/19/2012 13:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:22

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	102		52-132
321-60-8	2-Fluorobiphenyl	86		48-120
367-12-4	2-Fluorophenol	54		20-120
4165-60-0	Nitrobenzene-d5	79		46-120
4165-62-2	Phenol-d5	50		16-120
1718-51-0	p-Terphenyl-d14	91		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-009 | Lab Sample ID: 480-30773-13

Matrix: Water | Lab File ID: U5021.D

Analysis Method: 8270C | Date Collected: 12/19/2012 13:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:22

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.: 97535 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 81

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.77	58	T J
	Unknown	13.66	23	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5021.D		
Lims ID:	480-30773-A-13-A	Client ID:	GW-44538-121912-009
Inject. Date:	27-Dec-2012 13:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-007		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	97535	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 13:50:53	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 13:51:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	97	86696	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	335257	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	93	201046	40.0	
* 4 Phenanthrene-d10	188	11.569	11.574	-0.005	99	341300	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	75	372438	40.0	
* 6 Perylene-d12	264	15.410	15.409	0.001	82	417489	40.0	
$ 9 2-Fluorophenol	112	4.207	4.207	0.0	96	261174	80.8	
$ 10 Phenol-d5	99	5.468	5.468	0.0	73	280999	75.6	
$ 11 Nitrobenzene-d5	82	6.659	6.664	-0.005	92	237877	78.9	
$ 12 2-Fluorobiphenyl	172	9.010	9.009	0.001	99	548842	85.9	
$ 13 2,4,6-Tribromophenol	330	10.815	10.820	-0.005	92	136279	153.0	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	77	736199	90.9	
88 Benzaldehyde	77		5.350					
89 Phenol	94		5.489					9
91 Bis(2-chloroethyl)ether	93		5.585					
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
97 1,2-Dichlorobenzene	146		6.146					
98 2-Methylphenol	108		6.285					
99 2,2'-oxybis[1-chloropropane]	45		6.301					
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108		6.493					
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
110 Isophorone	82		7.006					
111 2-Nitrophenol	139		7.108					
112 2,4-Dimethylphenol	107		7.188					
115 Bis(2-chloroethoxy)methane	93		7.305					
117 2,4-Dichlorophenol	162		7.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
120 1,2,4-Trichlorobenzene	180		7.530					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
126 Hexachlorobutadiene	225		7.791					
131 4-Chloro-3-methylphenol	107		8.374					
133 2-Methylnaphthalene	142		8.529					
136 Hexachlorocyclopentadiene	237		8.732					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
143 2-Chloronaphthalene	162		9.154					
145 2-Nitroaniline	65		9.303					
147 Dimethyl phthalate	163		9.544					9
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					
150 3-Nitroaniline	138		9.843					
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
153 4-Nitrophenol	109		10.105					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
160 Diethyl phthalate	149		10.425					9
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
176 4-Bromophenyl phenyl ether	248		11.098					
177 Hexachlorobenzene	284		11.157					
181 Pentachlorophenol	266		11.381					
185 Phenanthrene	178		11.600					9
188 Anthracene	178		11.654					9
189 Carbazole	167		11.830					
192 Di-n-butyl phthalate	149		12.172					9
197 Fluoranthene	202		12.776					
199 Pyrene	202		12.989					9
205 Butyl benzyl phthalate	149		13.556					
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5021.D		
Lims ID:	480-30773-A-13-A	Client ID:	GW-44538-121912-009
Inject. Date:	27-Dec-2012 13:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-007		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	97535	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 13:50:53	Calib Date:	20-Nov-2012 15:39:30
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:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 13:51:06

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.769	322507	24.6	1			
		Unknown				
13.663	233834	9.85	5			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.927	525193	40.0
* 5 Chrysene-d12	14.063	949406	40.0

QC Flag Legend

Processing Flags

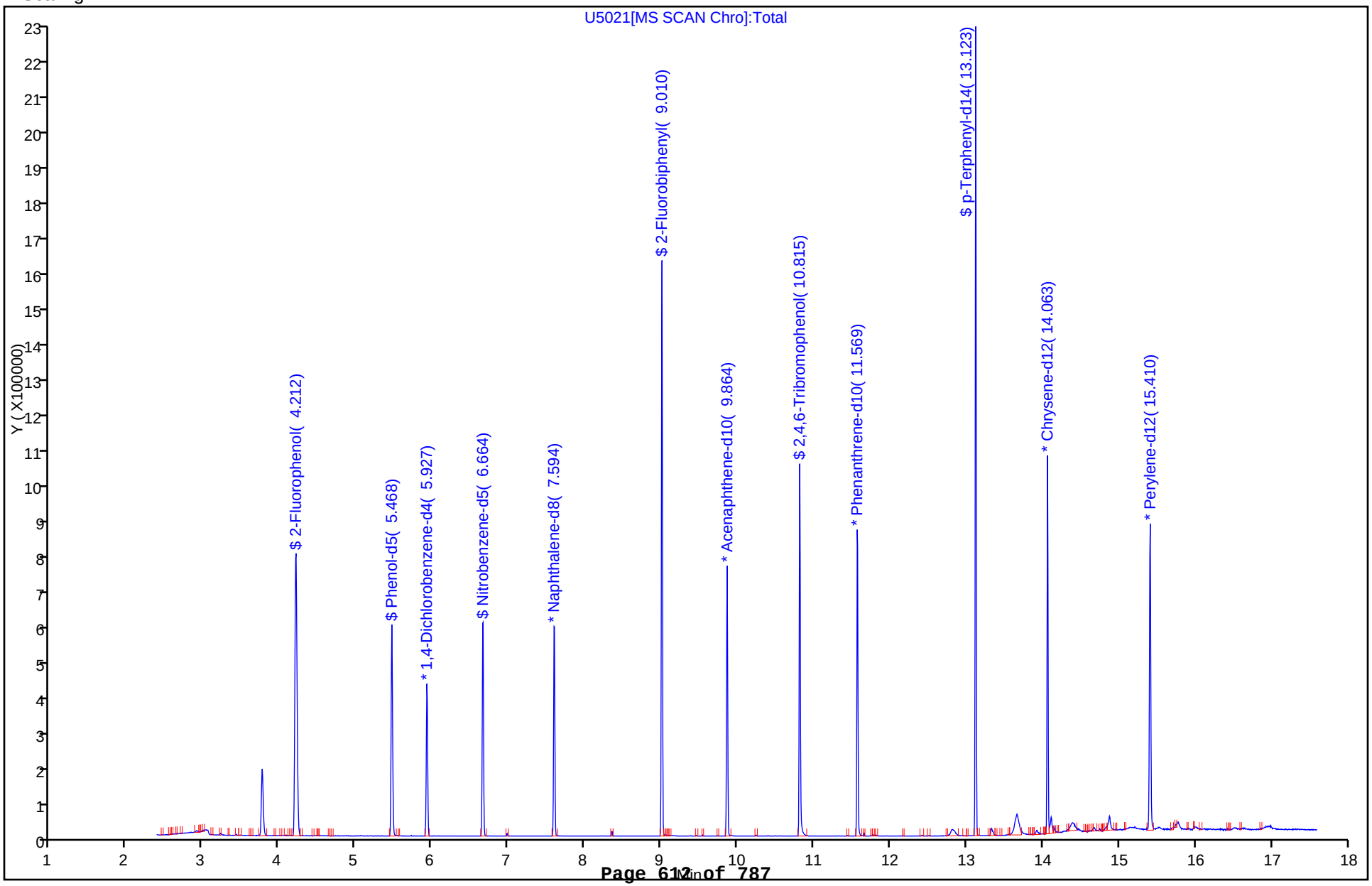
Report Date: 27-Dec-2012 13:51:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5021.D

Injection Date:	27-Dec-2012 13:22:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-009	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



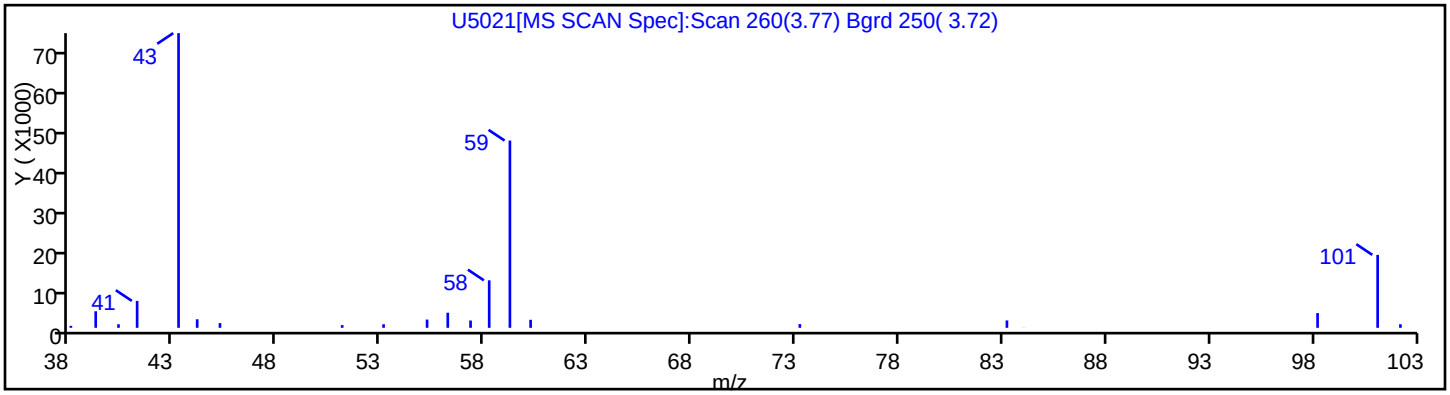
Report Date: 27-Dec-2012 13:51:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5021.D

Injection Date:	27-Dec-2012 13:22:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-009	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



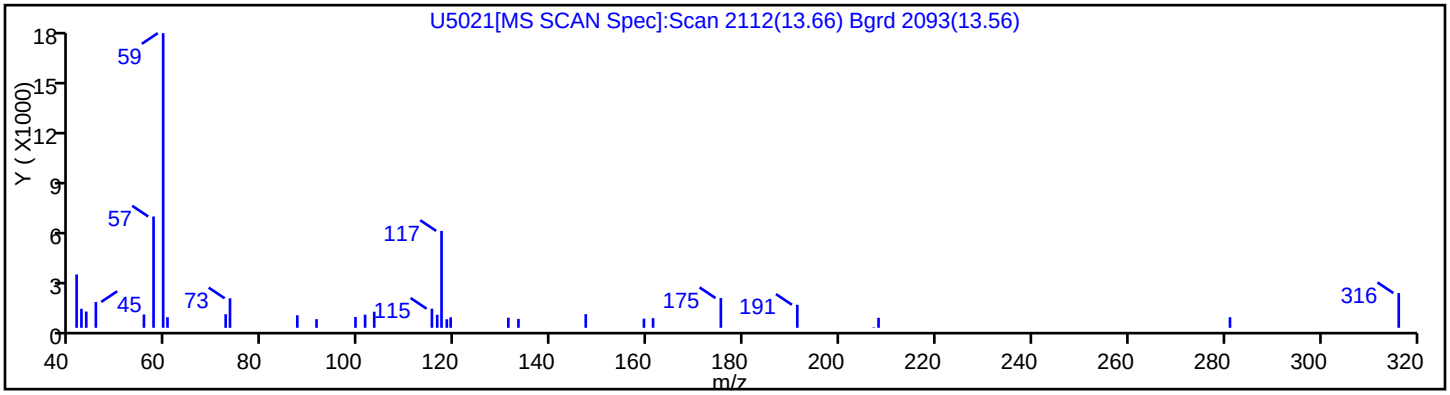
Report Date: 27-Dec-2012 13:51:06 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5021.D

Injection Date:	27-Dec-2012 13:22:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-009	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: U5022.D

Analysis Method: 8270C | Date Collected: 12/19/2012 14:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:46

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.95
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.95
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.95
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.95
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.83
106-44-5	4-Methylphenol	6.1	J	24	0.86
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.98
208-96-8	Acenaphthylene	ND		12	0.90
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	ND		12	0.86
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: U5022.D

Analysis Method: 8270C | Date Collected: 12/19/2012 14:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:46

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		12	0.81
191-24-2	Benzo(g,h,i)perylene	ND		12	0.83
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.83
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.95
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	ND		12	0.79
53-70-3	Dibenz(a,h)anthracene	ND		12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.86
84-74-2	Di-n-butyl phthalate	ND		12	0.74
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.95
86-73-7	Fluorene	ND		12	0.86
118-74-1	Hexachlorobenzene	ND		12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	ND		12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.69
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.93
129-00-0	Pyrene	ND		12	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: U5022.D

Analysis Method: 8270C | Date Collected: 12/19/2012 14:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:46

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	108		52-132
321-60-8	2-Fluorobiphenyl	82		48-120
367-12-4	2-Fluorophenol	53		20-120
4165-60-0	Nitrobenzene-d5	74		46-120
4165-62-2	Phenol-d5	51		16-120
1718-51-0	p-Terphenyl-d14	98		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-121912-010 | Lab Sample ID: 480-30773-14

Matrix: Water | Lab File ID: U5022.D

Analysis Method: 8270C | Date Collected: 12/19/2012 14:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 13:46

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.: 97535 | Units: ug/L

Number TICs Found: 17 | TIC Result Total: 459.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.76	52	T J
	Unknown	3.88	17	T J
	Unknown	6.02	44	T J
103-82-2	Benzeneacetic acid	8.03	69	T J N
501-52-0	Benzenepropanoic acid	8.69	30	T J N
123-8-0	Benzaldehyde, 4-hydroxy-	8.94	12	T J N
121-33-5	Vanillin	9.21	34	T J N
	Unknown	9.91	37	T J
115-44-6	Talbutal	11.23	35	T J N
	Unknown	11.86	11	T J
	Unknown	12.41	29	T J
	Unknown	12.84	16	T J
	Unknown	13.60	28	T J
	Unknown	13.66	9.9	T J
	Unknown	14.11	12	T J
	Unknown	14.41	12	T J
	Unknown	14.88	12	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D
Lims ID: 480-30773-A-14-A
Client ID: GW-44538-121912-010
Inject. Date: 27-Dec-2012 13:46:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0017888-008
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 9
Lims Batch ID: 97535
Lims Sample ID: 8
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 14:09:22
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna
Date: 27-Dec-2012 14:09:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	96	87923	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	340954	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	89	204782	40.0	
* 4 Phenanthrene-d10	188	11.568	11.574	-0.006	98	343617	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	76	372330	40.0	
* 6 Perylene-d12	264	15.410	15.409	0.001	79	438373	40.0	
$ 9 2-Fluorophenol	112	4.212	4.207	0.005	96	259464	79.2	
$ 10 Phenol-d5	99	5.473	5.468	0.005	82	288057	76.5	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	92	225827	73.7	
$ 12 2-Fluorobiphenyl	172	9.010	9.009	0.001	99	534781	82.2	
$ 13 2,4,6-Tribromophenol	330	10.815	10.820	-0.005	95	145348	162.0	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	77	790521	97.7	
88 Benzaldehyde	77		5.350					9
89 Phenol	94		5.489					
91 Bis(2-chloroethyl)ether	93		5.585					9
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
97 1,2-Dichlorobenzene	146		6.146					
98 2-Methylphenol	108		6.285					9
99 2,2'-oxybis[1-chloropropane]	45		6.301					
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108	6.499	6.493	0.006	66	7719	2.57	
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
110 Isophorone	82		7.006					9
111 2-Nitrophenol	139		7.108					
112 2,4-Dimethylphenol	107		7.188					
115 Bis(2-chloroethoxy)methane	93		7.305					
117 2,4-Dichlorophenol	162		7.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
120 1,2,4-Trichlorobenzene	180		7.530					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
126 Hexachlorobutadiene	225		7.791					
131 4-Chloro-3-methylphenol	107		8.374					9
133 2-Methylnaphthalene	142		8.529					
136 Hexachlorocyclopentadiene	237		8.732					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
143 2-Chloronaphthalene	162		9.154					9
145 2-Nitroaniline	65		9.303					9
147 Dimethyl phthalate	163		9.544					9
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					9
150 3-Nitroaniline	138		9.843					9
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
153 4-Nitrophenol	109		10.105					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
160 Diethyl phthalate	149		10.425					9
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
176 4-Bromophenyl phenyl ether	248		11.098					
177 Hexachlorobenzene	284		11.157					
181 Pentachlorophenol	266		11.381					
185 Phenanthrene	178		11.600					9
188 Anthracene	178		11.654					9
189 Carbazole	167		11.830					
192 Di-n-butyl phthalate	149		12.172					9
197 Fluoranthene	202		12.776					
199 Pyrene	202		12.989					9
205 Butyl benzyl phthalate	149		13.556					
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					9
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D		
Lims ID:	480-30773-A-14-A	Client ID:	GW-44538-121912-010
Inject. Date:	27-Dec-2012 13:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-008		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	97535	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 14:09:22	Calib Date:	20-Nov-2012 15:39:30
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:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 14:09:22

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Benzoic acid	7.327	37192	14.9	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.763	294097	21.8	1			
		Unknown				
3.876	98060	7.27	1			
		Unknown				
6.023	247269	18.3	1			
	103-82-2	Benzeneacetic acid				
8.032	499425	28.9	2	91	38331	
	501-52-0	Benzenepropanoic acid				
8.694	216681	12.5	2	94	37564	
	123-8-0	Benzaldehyde, 4-hydroxy-				
8.935	106058	5.19	3	91	54810	
	121-33-5	Vanillin				
9.207	287543	14.1	3	98	123636	
		Unknown				
9.907	316181	15.5	3			
	115-44-6	Talbutal				
11.227	323825	14.8	4	91	124679	
		Unknown				
11.857	100851	4.62	4			

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
12.413	264822	12.1	4			
		Unknown				
12.840	164656	6.79	5			
		Unknown				
13.604	283233	11.7	5			
		Unknown				
13.663	100330	4.14	5			
		Unknown				
14.111	117153	4.83	5			
		Unknown				
14.411	117971	4.87	5			
		Unknown				
14.881	132427	4.84	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.927	539169	40.0
* 2 Naphthalene-d8	7.599	690704	40.0
* 3 Acenaphthene-d10	9.864	817353	40.0
* 4 Phenanthrene-d10	11.568	873152	40.0
* 5 Chrysene-d12	14.063	969385	40.0
* 6 Perylene-d12	15.410	1095206	40.0

QC Flag Legend

Processing Flags

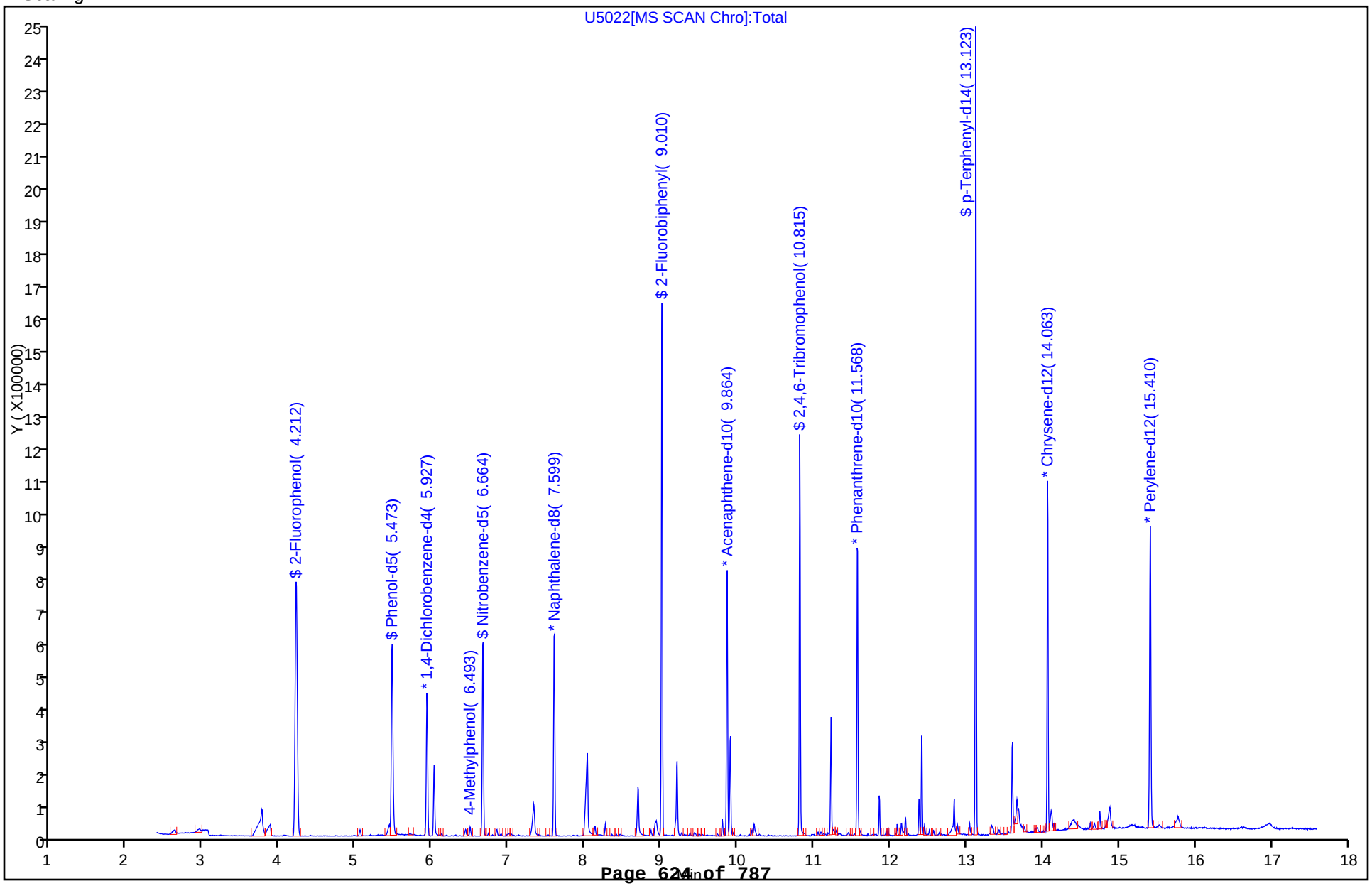
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D

Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



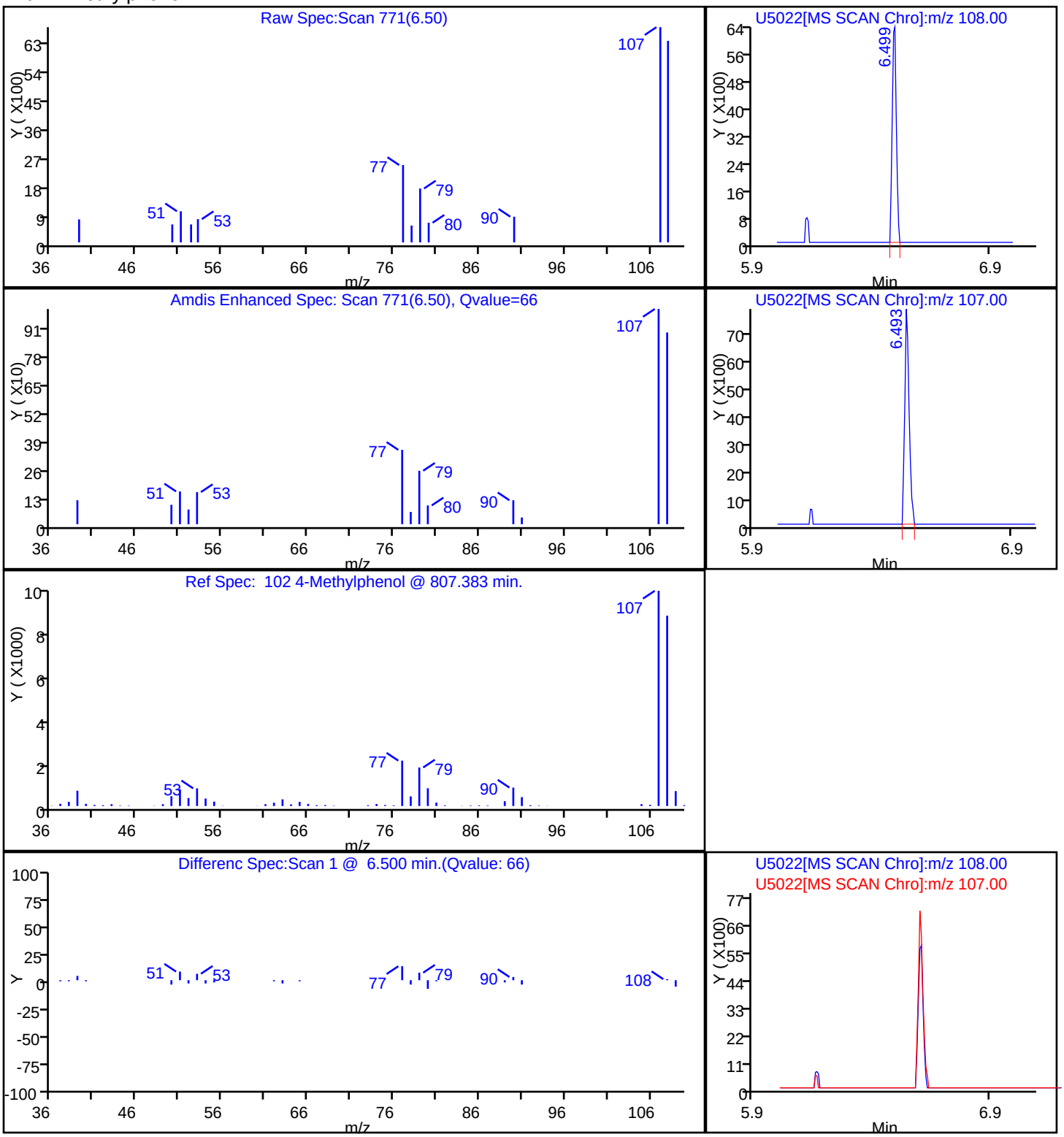
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TestAmerica Buffalo

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Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

102 4-Methylphenol



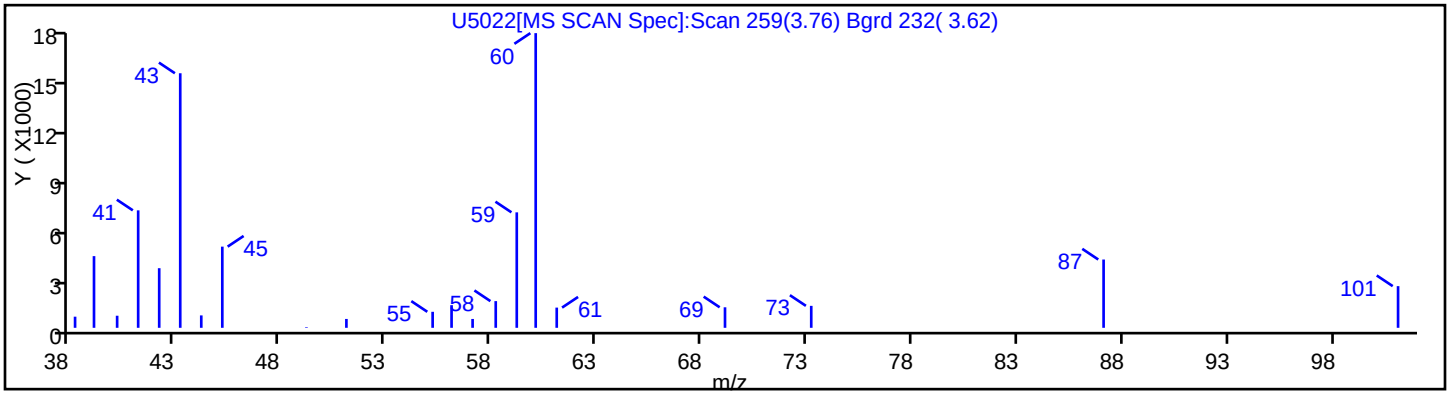
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Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



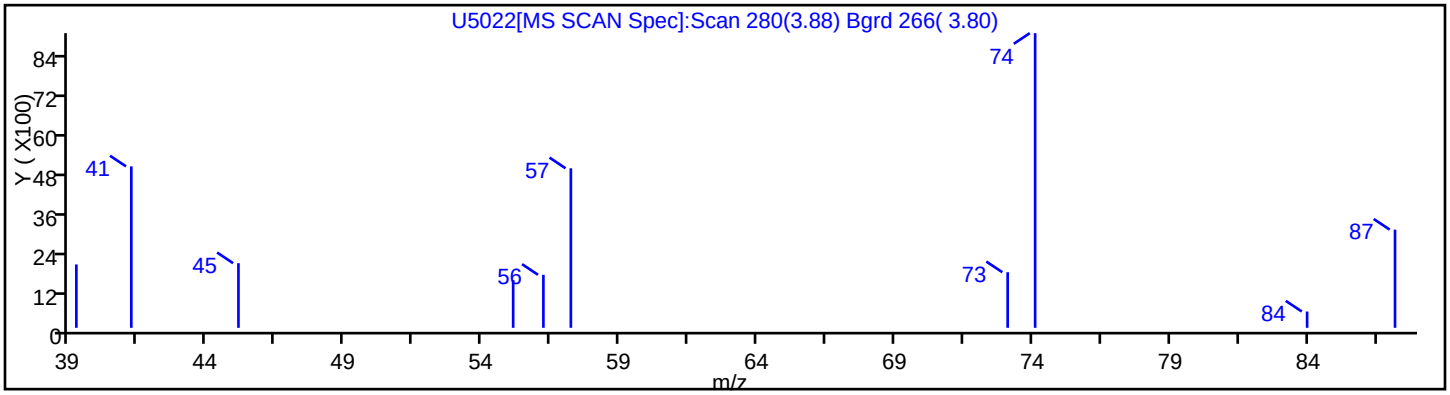
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Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



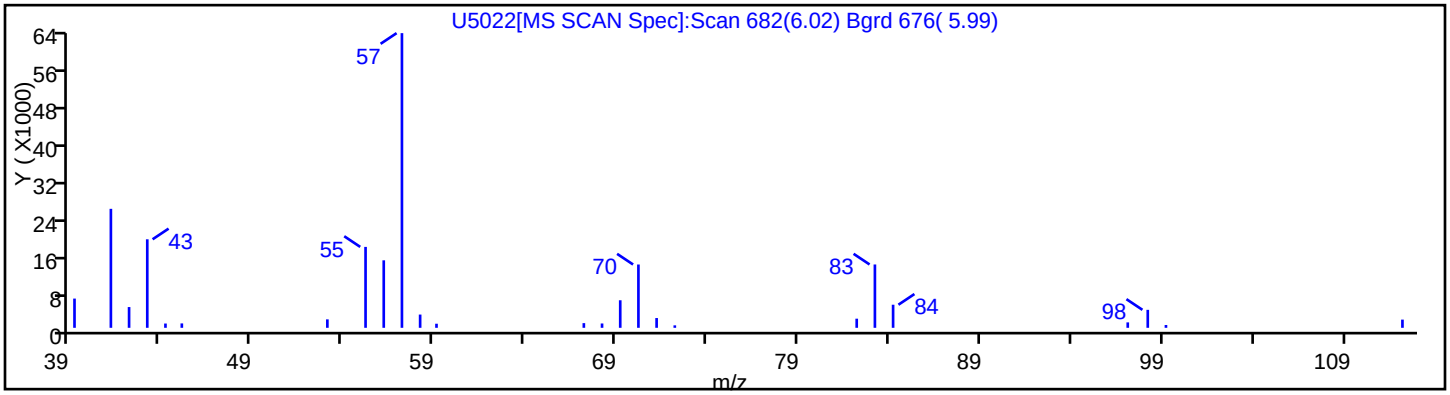
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D

Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



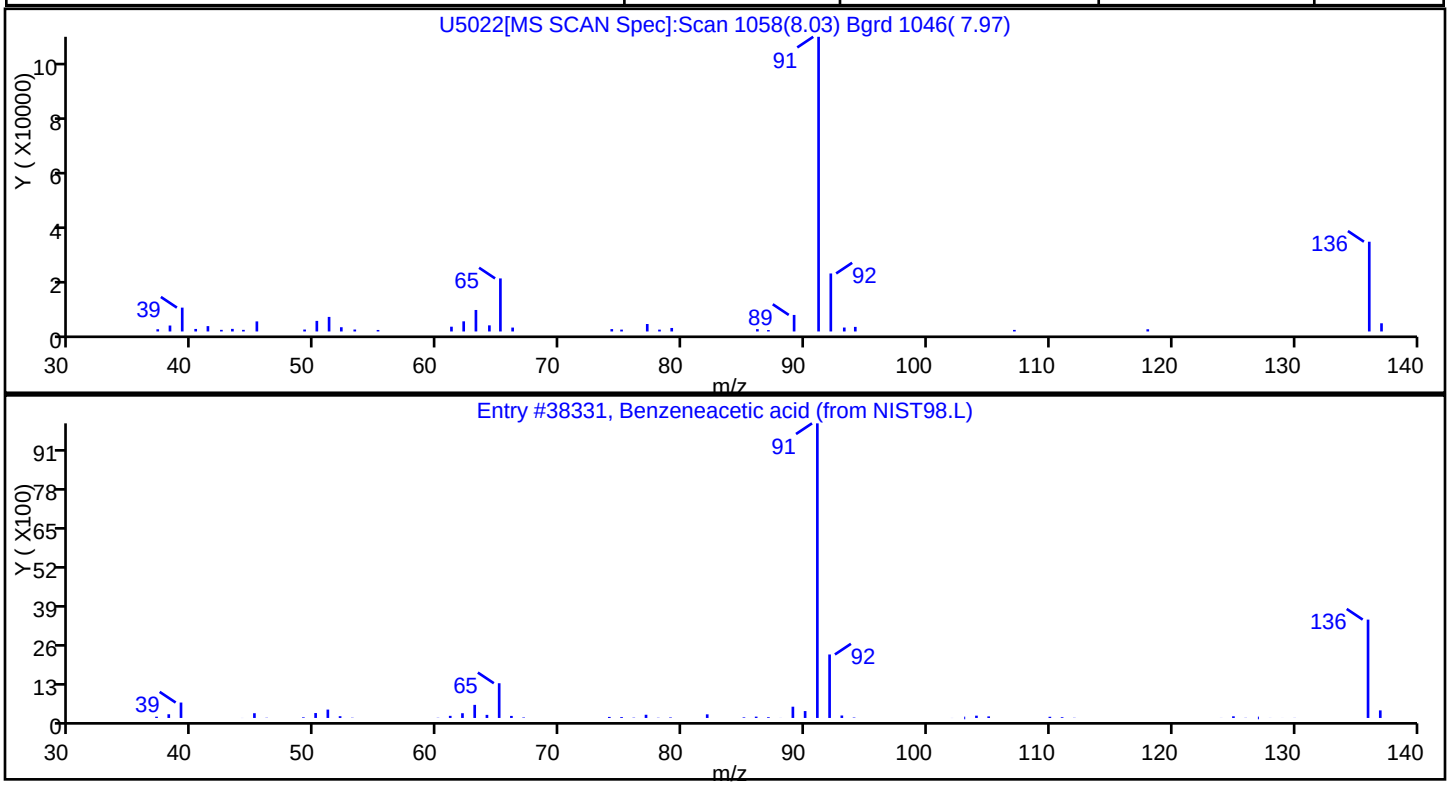
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D

Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzeneacetic acid	103-82-2	NIST98.L	38331	91



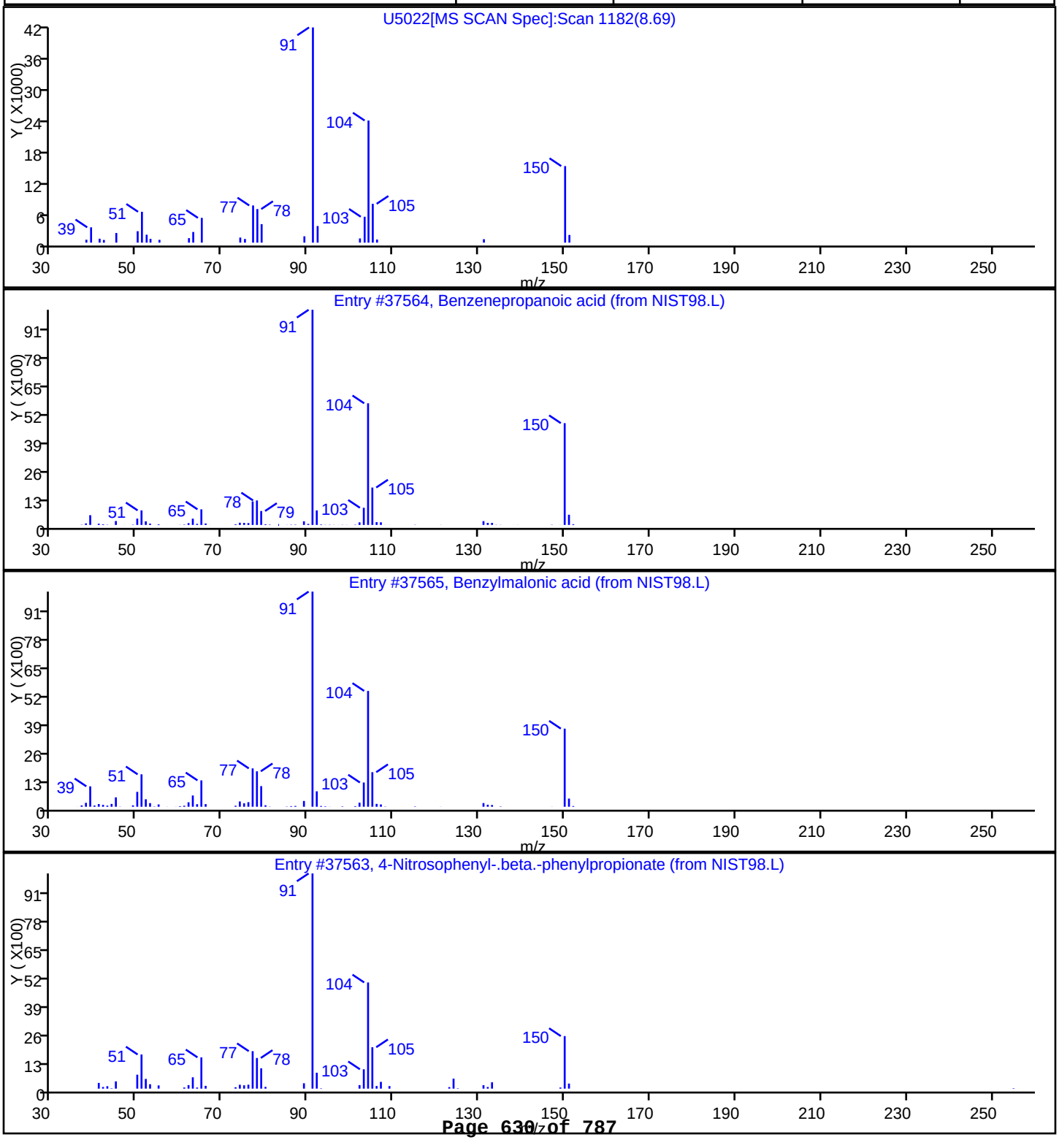
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D

Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzenepropanoic acid	501-52-0	NIST98.L	37564	94
Benzylmalonic acid	616-75-1	NIST98.L	37565	91
4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	NIST98.L	37563	90



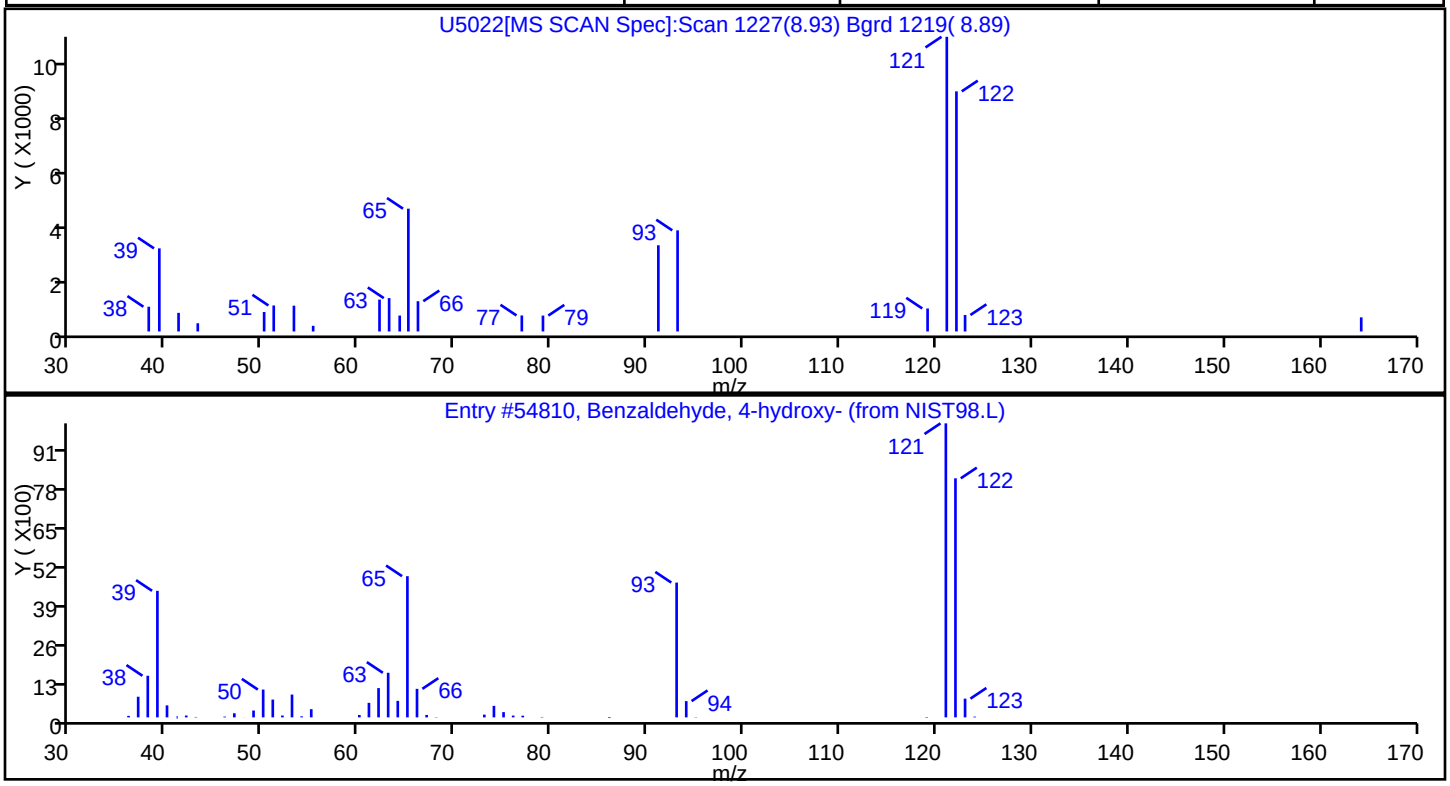
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TestAmerica Buffalo

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Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzaldehyde, 4-hydroxy-	123-8-0	NIST98.L	54810	91



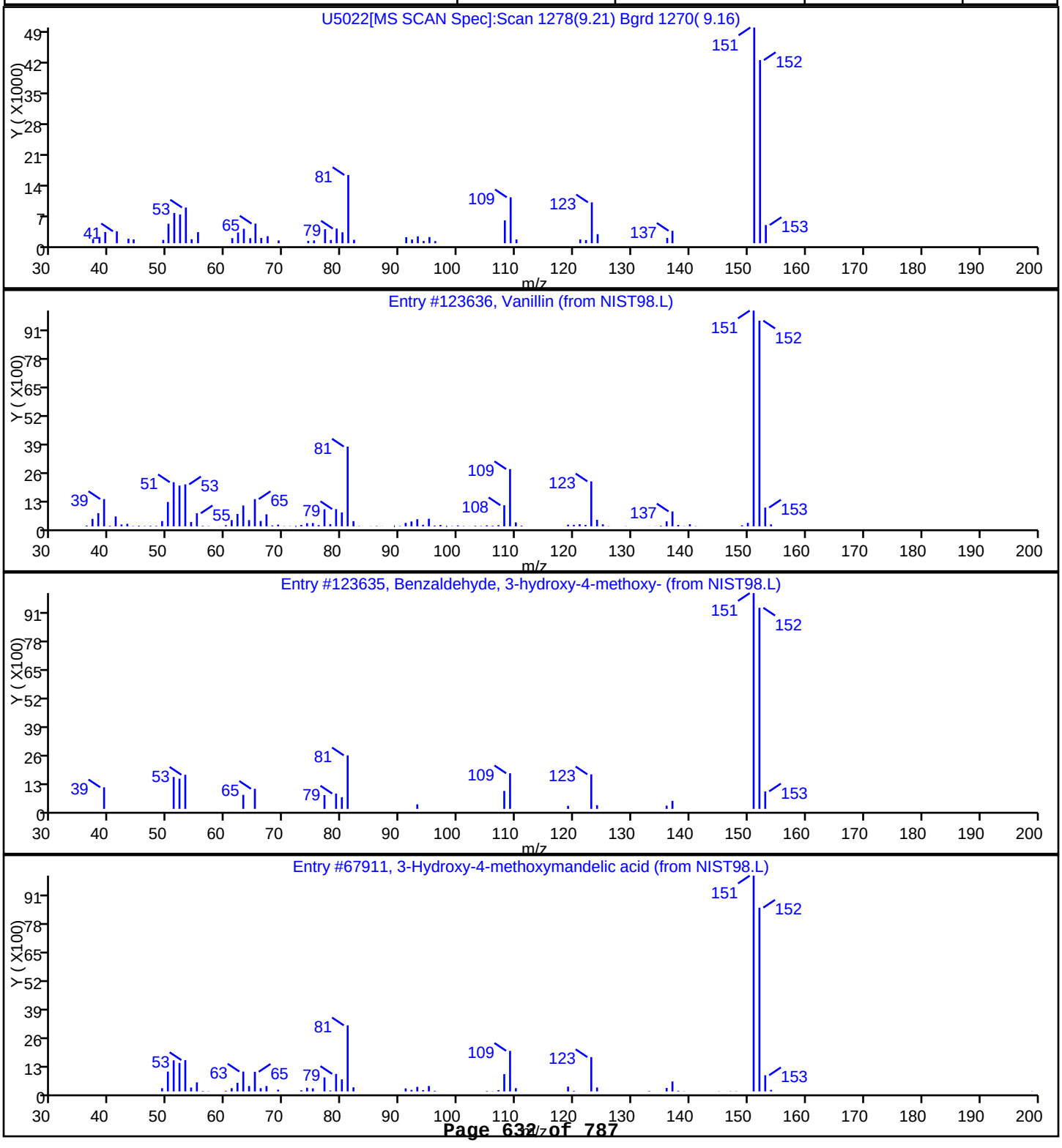
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TestAmerica Buffalo

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Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Vanillin	121-33-5	NIST98.L	123636	98
Benzaldehyde, 3-hydroxy-4-methoxy-	621-59-0	NIST98.L	123635	97
3-Hydroxy-4-methoxymandelic acid	3695-24-7	NIST98.L	67911	91



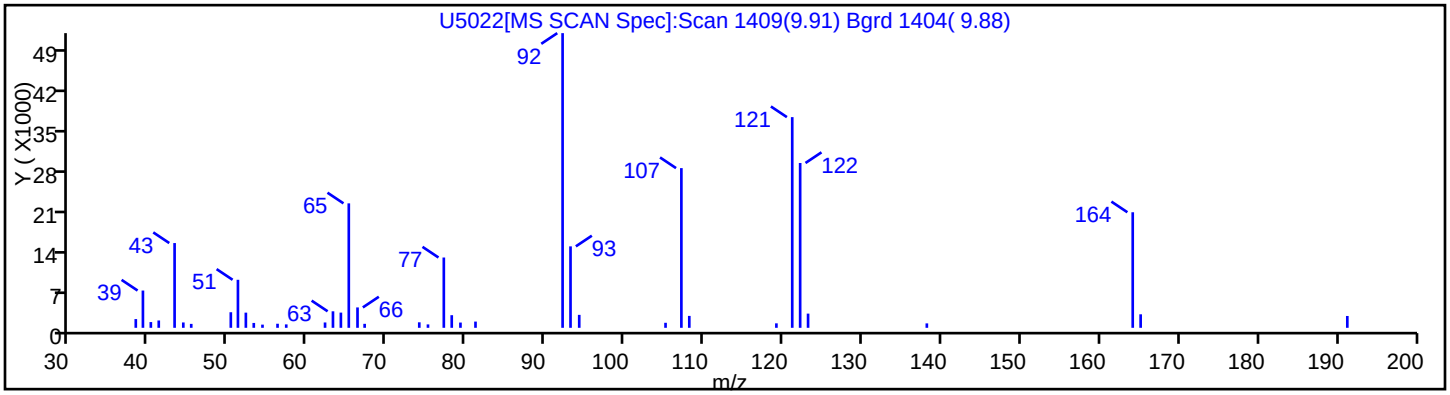
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TestAmerica Buffalo

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Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



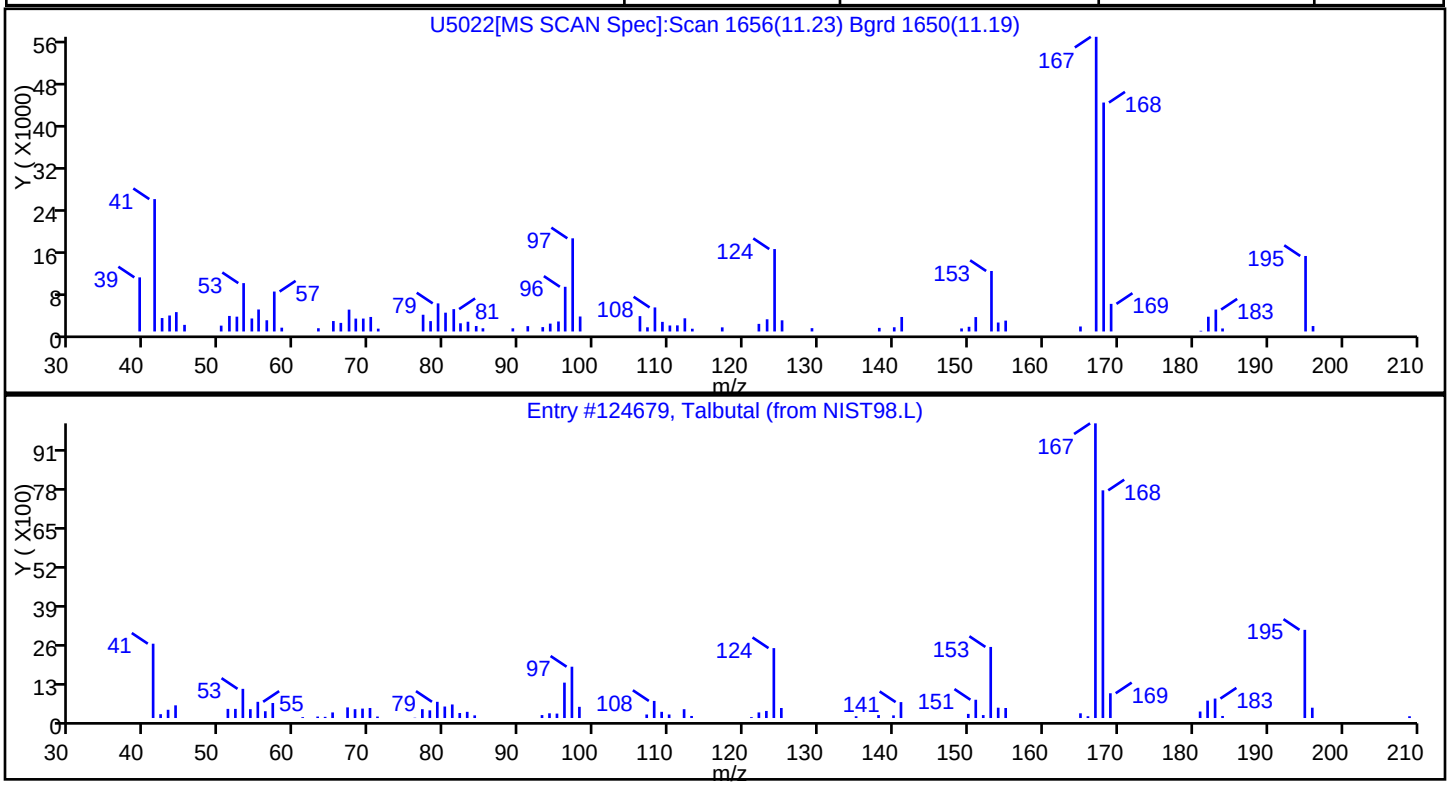
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5022.D

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Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Talbutal	115-44-6	NIST98.L	124679	91



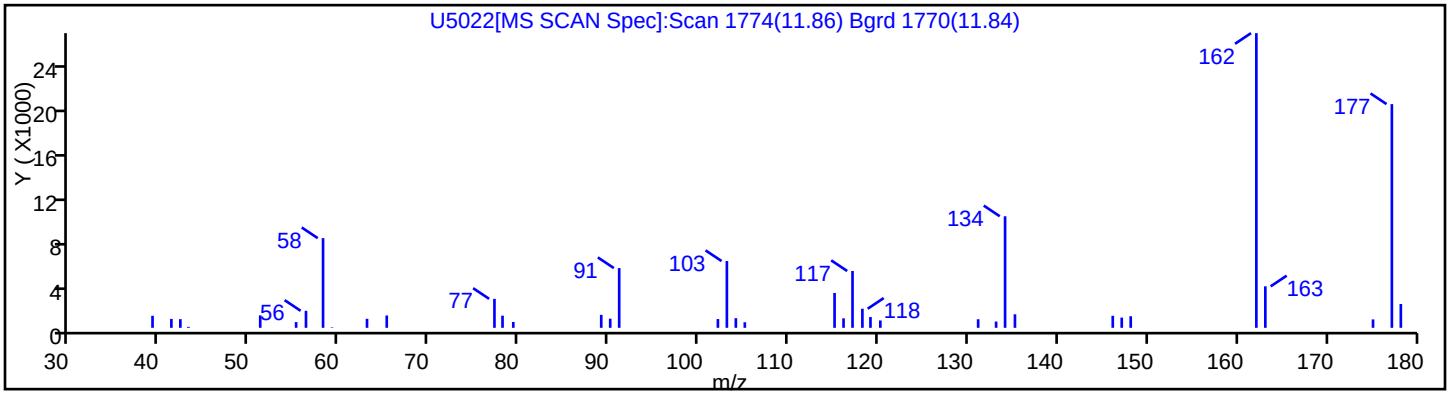
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Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



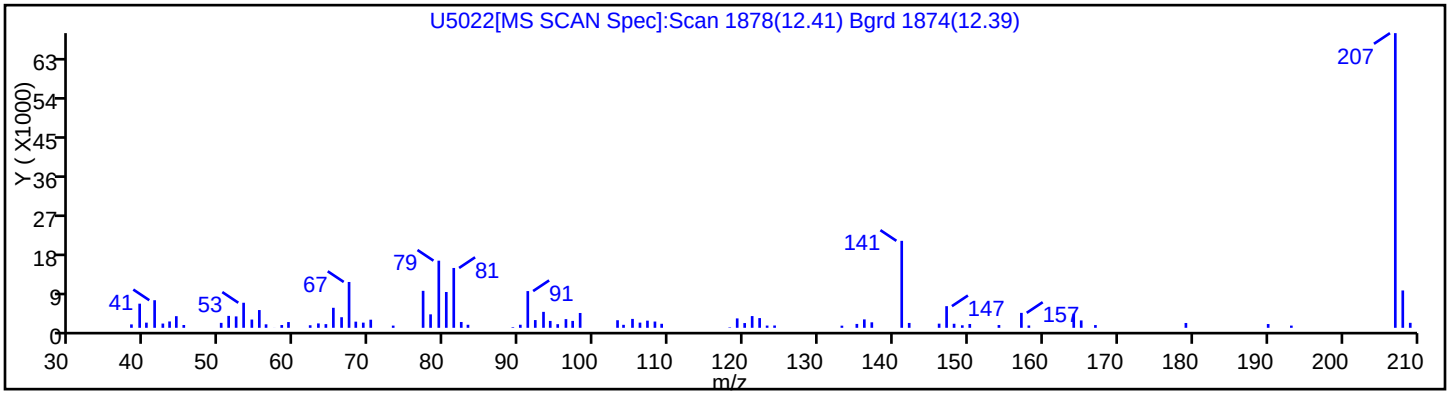
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TestAmerica Buffalo

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Injection Date:	27-Dec-2012 13:46:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



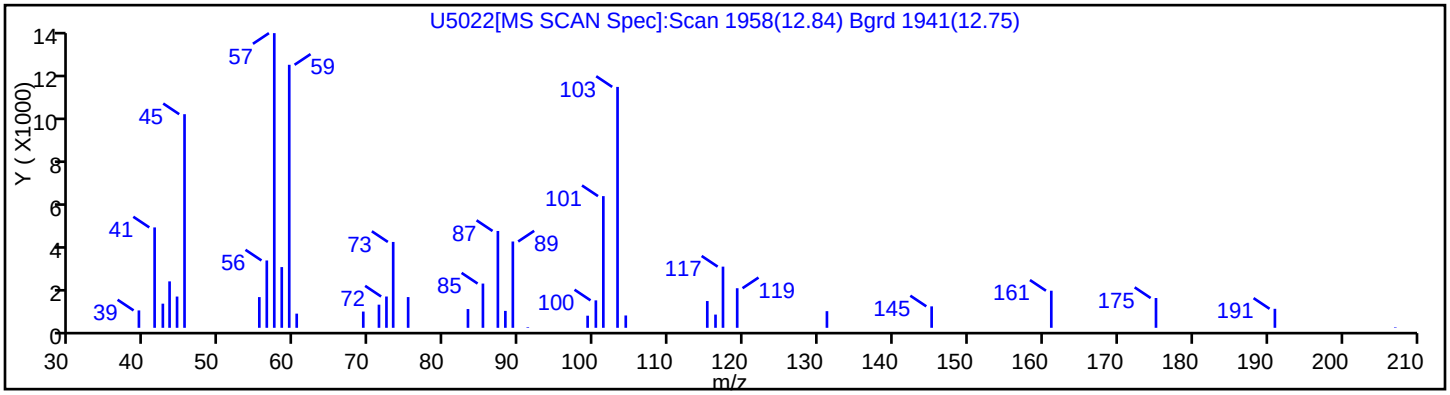
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Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



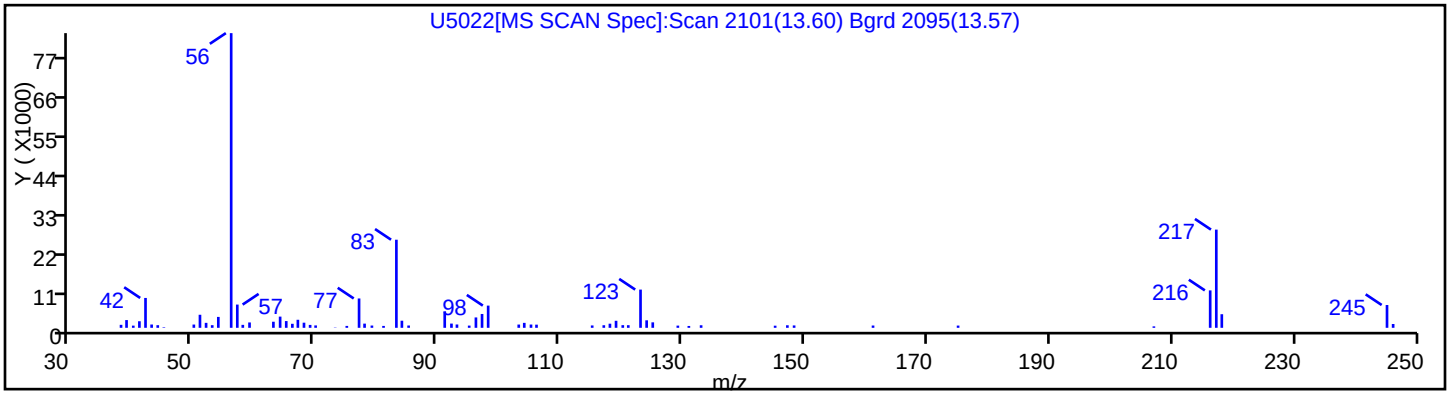
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Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

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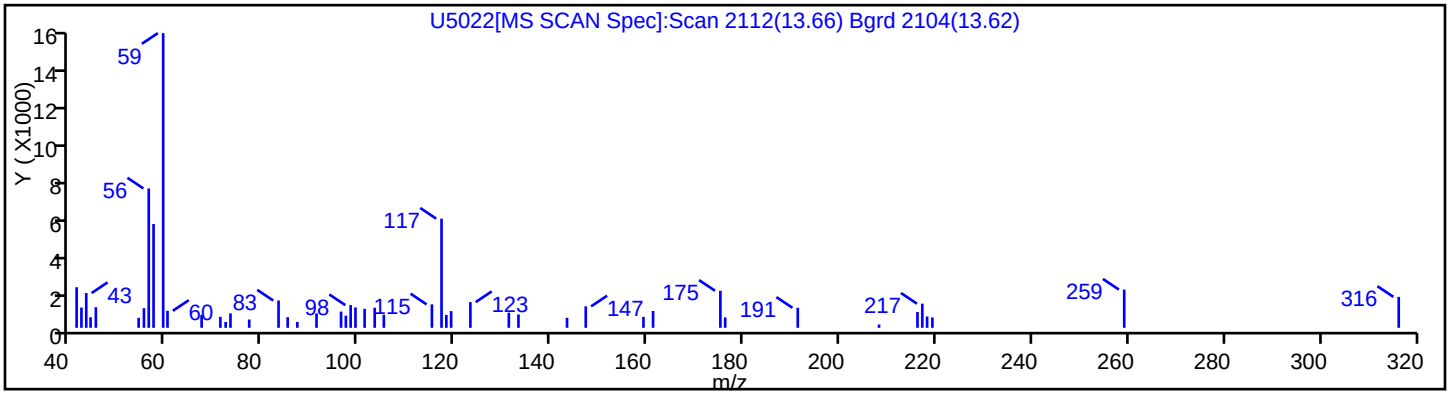
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Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

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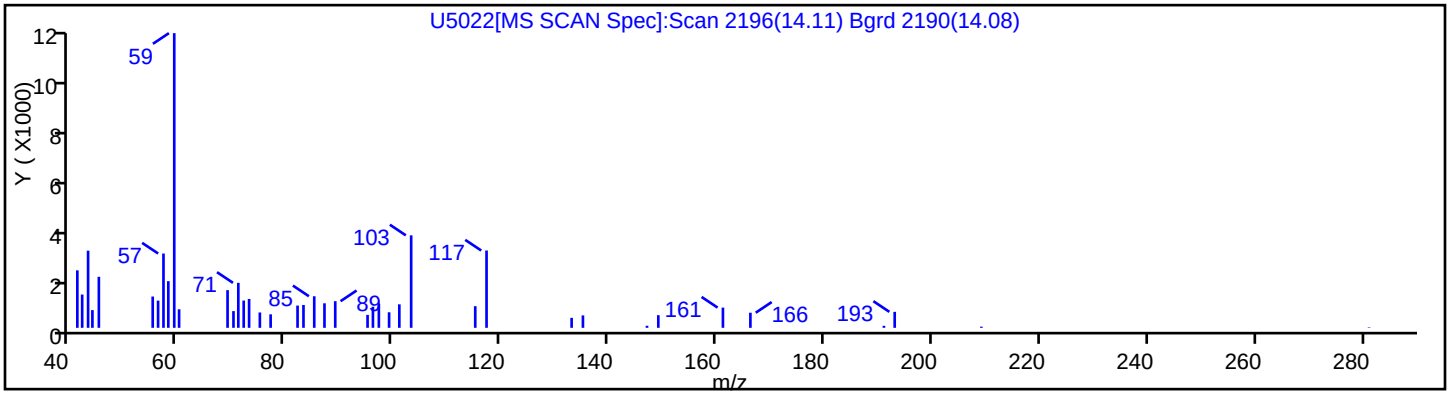
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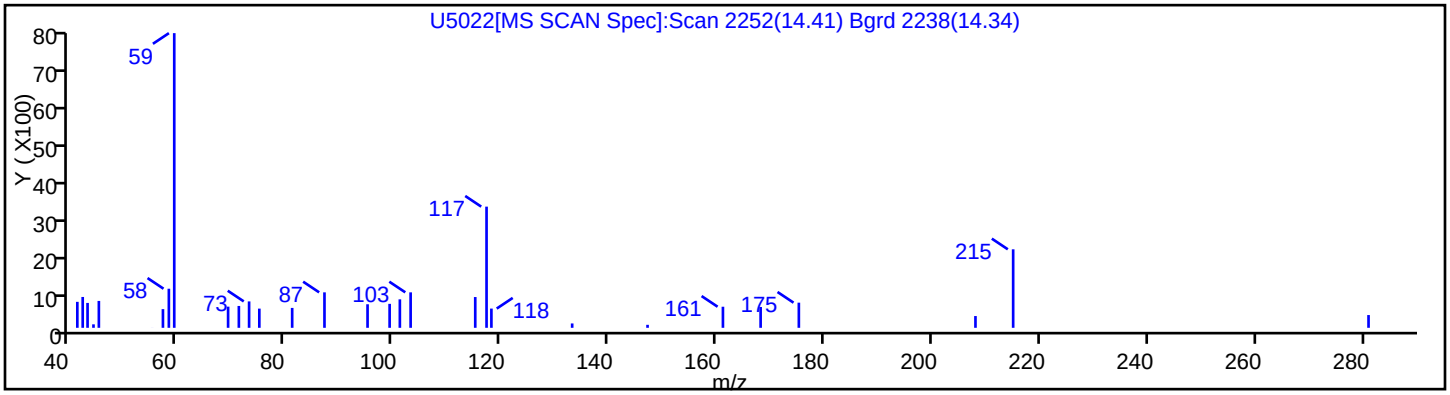
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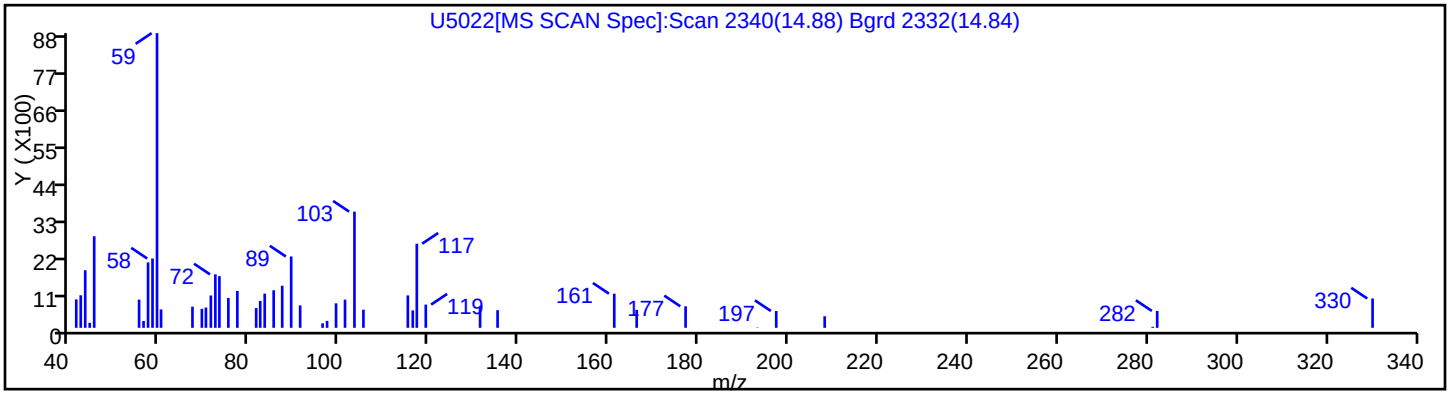
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Client ID:	GW-44538-121912-010	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: U5023.D

Analysis Method: 8270C | Date Collected: 12/20/2012 09:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:10

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.95
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.95
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.95
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.95
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.83
106-44-5	4-Methylphenol	ND		24	0.86
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.98
208-96-8	Acenaphthylene	ND		12	0.90
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	ND		12	0.86
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: U5023.D

Analysis Method: 8270C | Date Collected: 12/20/2012 09:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:10

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		12	0.81
191-24-2	Benzo(g,h,i)perylene	ND		12	0.83
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.83
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.95
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	ND		12	0.79
53-70-3	Dibenz(a,h)anthracene	ND		12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.86
84-74-2	Di-n-butyl phthalate	ND		12	0.74
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.95
86-73-7	Fluorene	ND		12	0.86
118-74-1	Hexachlorobenzene	ND		12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	ND		12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.69
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.93
129-00-0	Pyrene	ND		12	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: U5023.D

Analysis Method: 8270C | Date Collected: 12/20/2012 09:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:10

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	107		52-132
321-60-8	2-Fluorobiphenyl	87		48-120
367-12-4	2-Fluorophenol	52		20-120
4165-60-0	Nitrobenzene-d5	77		46-120
4165-62-2	Phenol-d5	50		16-120
1718-51-0	p-Terphenyl-d14	90		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-015 | Lab Sample ID: 480-30773-15

Matrix: Water | Lab File ID: U5023.D

Analysis Method: 8270C | Date Collected: 12/20/2012 09:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:10

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.: 97535 | Units: ug/L

Number TICs Found: 3 | TIC Result Total: 53

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.77	17	T J
	Unknown	13.66	26	T J
	Unknown	14.11	10	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D
Lims ID: 480-30773-A-15-A
Client ID: GW-44538-122012-015
Inject. Date: 27-Dec-2012 14:10:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0017888-009
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 10
Lims Batch ID: 97535
Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 14:37:04
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna
Date: 27-Dec-2012 14:37:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	94	87468	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	340397	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	92	201180	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	98	341449	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	76	376933	40.0	
* 6 Perylene-d12	264	15.410	15.409	0.001	78	427274	40.0	
$ 9 2-Fluorophenol	112	4.212	4.207	0.005	96	256076	78.6	
$ 10 Phenol-d5	99	5.468	5.468	0.0	73	281232	75.0	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	92	236806	77.4	
$ 12 2-Fluorobiphenyl	172	9.010	9.009	0.001	99	558170	87.3	
$ 13 2,4,6-Tribromophenol	330	10.815	10.820	-0.005	95	143542	161.0	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	78	741280	90.5	
88 Benzaldehyde	77		5.350					
89 Phenol	94		5.489					9
91 Bis(2-chloroethyl)ether	93		5.585					
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
97 1,2-Dichlorobenzene	146		6.146					
98 2-Methylphenol	108		6.285					
99 2,2'-oxybis[1-chloropropane]	45		6.301					
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108		6.493					
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
110 Isophorone	82		7.006					
111 2-Nitrophenol	139		7.108					
112 2,4-Dimethylphenol	107		7.188					
115 Bis(2-chloroethoxy)methane	93		7.305					
117 2,4-Dichlorophenol	162		7.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
120 1,2,4-Trichlorobenzene	180		7.530					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
126 Hexachlorobutadiene	225		7.791					
131 4-Chloro-3-methylphenol	107		8.374					
133 2-Methylnaphthalene	142		8.529					
136 Hexachlorocyclopentadiene	237		8.732					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
143 2-Chloronaphthalene	162		9.154					
145 2-Nitroaniline	65		9.303					
147 Dimethyl phthalate	163		9.544					
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					
150 3-Nitroaniline	138		9.843					
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
153 4-Nitrophenol	109		10.105					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
160 Diethyl phthalate	149		10.425					9
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
176 4-Bromophenyl phenyl ether	248		11.098					
177 Hexachlorobenzene	284		11.157					
181 Pentachlorophenol	266		11.381					
185 Phenanthrene	178		11.600					9
188 Anthracene	178		11.654					9
189 Carbazole	167		11.830					
192 Di-n-butyl phthalate	149		12.172					9
197 Fluoranthene	202		12.776					
199 Pyrene	202		12.989					9
205 Butyl benzyl phthalate	149		13.556					
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					9
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D		
Lims ID:	480-30773-A-15-A	Client ID:	GW-44538-122012-015
Inject. Date:	27-Dec-2012 14:10:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-009		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	97535	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 14:37:04	Calib Date:	20-Nov-2012 15:39:30
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:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 14:37:04

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.769	95037	7.14	1			
		Unknown				
13.663	265555	10.9	5			
		Unknown				
14.111	106831	4.39	5			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.927	532790	40.0
* 5 Chrysene-d12	14.063	972761	40.0

QC Flag Legend

Processing Flags

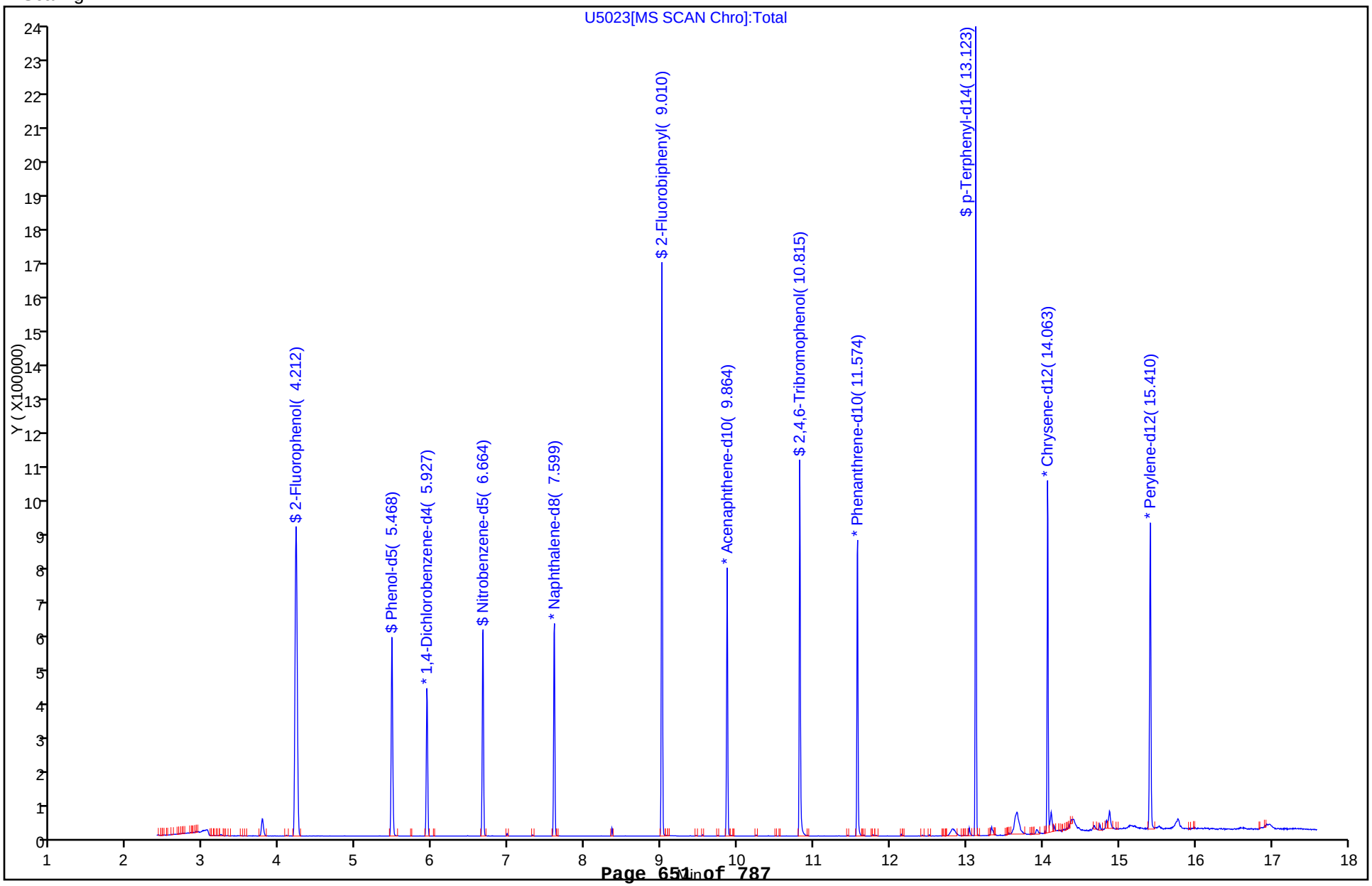
Report Date: 27-Dec-2012 14:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D

Injection Date:	27-Dec-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-015	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



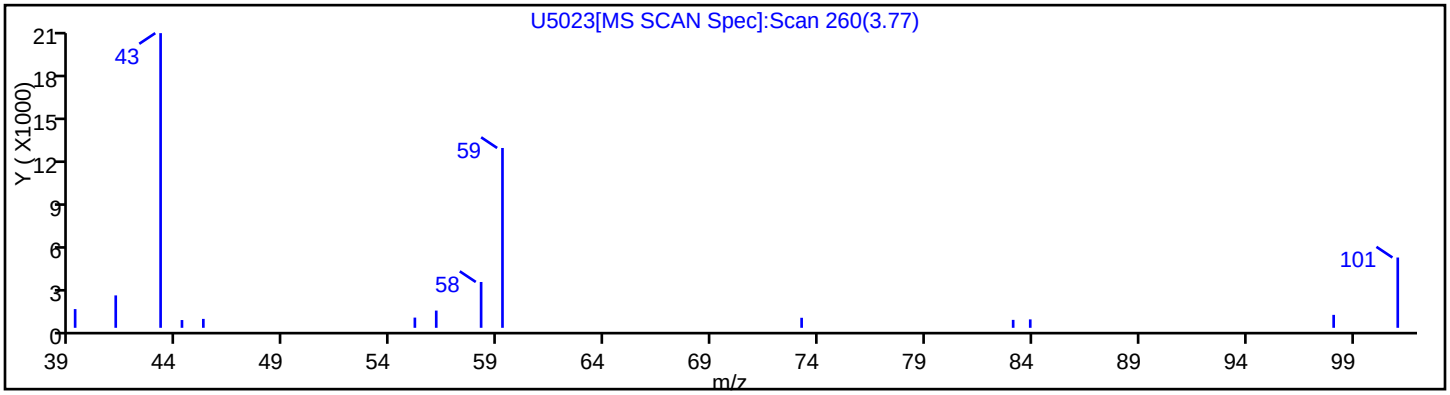
Report Date: 27-Dec-2012 14:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D

Injection Date:	27-Dec-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-015	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

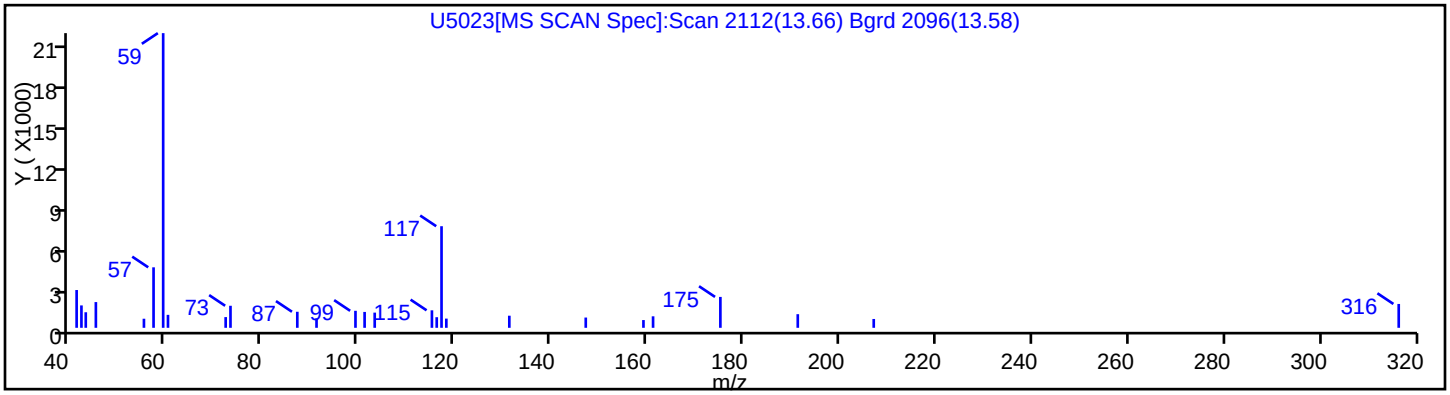


Report Date: 27-Dec-2012 14:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D		
Injection Date:	27-Dec-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-015	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



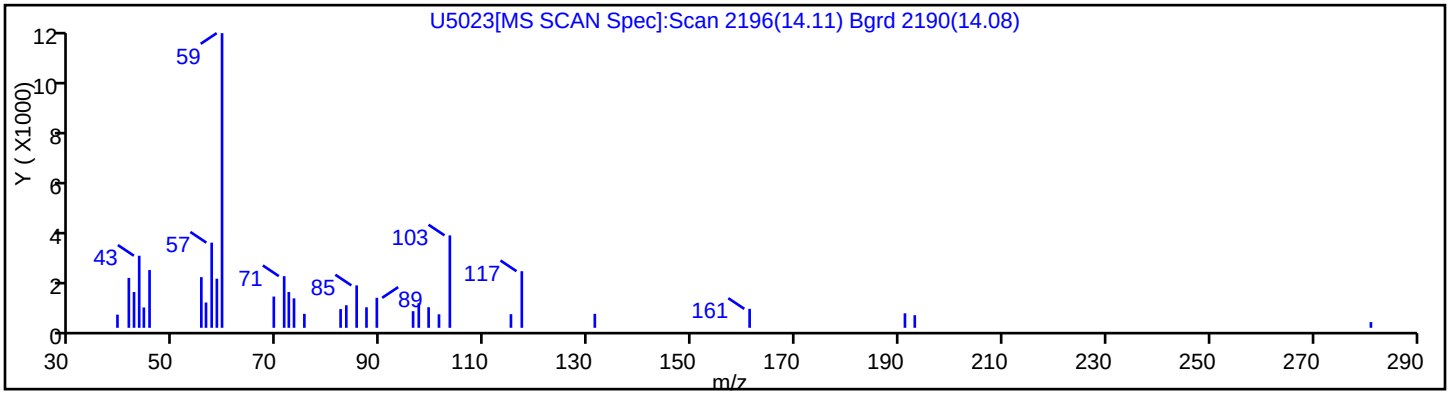
Report Date: 27-Dec-2012 14:37:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5023.D

Injection Date:	27-Dec-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-015	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 | Lab Sample ID: 480-30773-16

Matrix: Water | Lab File ID: U5024.D

Analysis Method: 8270C | Date Collected: 12/20/2012 10:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:34

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		24	1.0
95-50-1	1,2-Dichlorobenzene	ND		24	0.95
541-73-1	1,3-Dichlorobenzene	ND		24	1.1
106-46-7	1,4-Dichlorobenzene	ND		24	1.1
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		12	1.2
95-95-4	2,4,5-Trichlorophenol	ND		12	1.1
88-06-2	2,4,6-Trichlorophenol	ND		12	1.5
120-83-2	2,4-Dichlorophenol	ND		12	1.2
105-67-9	2,4-Dimethylphenol	ND		12	1.2
51-28-5	2,4-Dinitrophenol	ND		24	5.3
121-14-2	2,4-Dinitrotoluene	ND		12	1.1
606-20-2	2,6-Dinitrotoluene	ND		12	0.95
91-58-7	2-Chloronaphthalene	ND		12	1.1
95-57-8	2-Chlorophenol	ND		12	1.3
91-57-6	2-Methylnaphthalene	ND		12	1.4
95-48-7	2-Methylphenol	ND		12	0.95
88-74-4	2-Nitroaniline	ND		24	1.0
88-75-5	2-Nitrophenol	ND		12	1.1
91-94-1	3,3'-Dichlorobenzidine	ND		12	0.95
99-09-2	3-Nitroaniline	ND		24	1.1
534-52-1	4,6-Dinitro-2-methylphenol	ND		24	5.2
101-55-3	4-Bromophenyl phenyl ether	ND		12	1.1
59-50-7	4-Chloro-3-methylphenol	ND		12	1.1
106-47-8	4-Chloroaniline	ND		12	1.4
7005-72-3	4-Chlorophenyl phenyl ether	ND		12	0.83
106-44-5	4-Methylphenol	ND		24	0.86
100-01-6	4-Nitroaniline	ND		24	0.60
100-02-7	4-Nitrophenol	ND		24	3.6
83-32-9	Acenaphthene	ND		12	0.98
208-96-8	Acenaphthylene	ND		12	0.90
120-12-7	Anthracene	ND		12	0.67
100-52-7	Benzaldehyde	ND		12	0.64
56-55-3	Benzo(a)anthracene	ND		12	0.86
50-32-8	Benzo(a)pyrene	ND		12	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 | Lab Sample ID: 480-30773-16

Matrix: Water | Lab File ID: U5024.D

Analysis Method: 8270C | Date Collected: 12/20/2012 10:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:34

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		12	0.81
191-24-2	Benzo(g,h,i)perylene	ND		12	0.83
207-08-9	Benzo(k)fluoranthene	ND		12	1.7
111-91-1	Bis(2-chloroethoxy)methane	ND		12	0.83
111-44-4	Bis(2-chloroethyl)ether	ND		12	0.95
117-81-7	Bis(2-ethylhexyl) phthalate	ND		12	4.3
85-68-7	Butyl benzyl phthalate	ND		12	1.0
86-74-8	Carbazole	ND		12	0.71
218-01-9	Chrysene	ND		12	0.79
53-70-3	Dibenz(a,h)anthracene	ND		12	1.0
132-64-9	Dibenzofuran	ND		24	1.2
84-66-2	Diethyl phthalate	ND		12	0.52
131-11-3	Dimethyl phthalate	ND		12	0.86
84-74-2	Di-n-butyl phthalate	ND		12	0.74
117-84-0	Di-n-octyl phthalate	ND		12	1.1
206-44-0	Fluoranthene	ND		12	0.95
86-73-7	Fluorene	ND		12	0.86
118-74-1	Hexachlorobenzene	ND		12	1.2
87-68-3	Hexachlorobutadiene	ND		12	1.6
77-47-4	Hexachlorocyclopentadiene	ND		12	1.4
67-72-1	Hexachloroethane	ND		12	1.4
193-39-5	Indeno(1,2,3-cd)pyrene	ND		12	1.1
78-59-1	Isophorone	ND		12	1.0
91-20-3	Naphthalene	ND		12	1.8
98-95-3	Nitrobenzene	ND		12	0.69
621-64-7	N-Nitrosodi-n-propylamine	ND		12	1.3
86-30-6	N-Nitrosodiphenylamine	ND		12	1.2
87-86-5	Pentachlorophenol	ND		24	5.2
85-01-8	Phenanthrene	ND		12	1.0
108-95-2	Phenol	ND		12	0.93
129-00-0	Pyrene	ND		12	0.81

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 Lab Sample ID: 480-30773-16

Matrix: Water Lab File ID: U5024.D

Analysis Method: 8270C Date Collected: 12/20/2012 10:00

Extract. Method: 3510C Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) Date Analyzed: 12/27/2012 14:34

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.: 97535 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	99		52-132
321-60-8	2-Fluorobiphenyl	76		48-120
367-12-4	2-Fluorophenol	49		20-120
4165-60-0	Nitrobenzene-d5	72		46-120
4165-62-2	Phenol-d5	48		16-120
1718-51-0	p-Terphenyl-d14	92		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-016 | Lab Sample ID: 480-30773-16

Matrix: Water | Lab File ID: U5024.D

Analysis Method: 8270C | Date Collected: 12/20/2012 10:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 420(mL) | Date Analyzed: 12/27/2012 14:34

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.: 97535 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 50

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.76	24	T J
	Unknown	13.66	26	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5024.D
Lims ID: 480-30773-A-16-A
Client ID: GW-44538-122012-016
Inject. Date: 27-Dec-2012 14:34:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0017888-010
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 11
Lims Batch ID: 97535
Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 15:25:34
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna
Date: 27-Dec-2012 15:26:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	93	87827	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	340288	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	90	203470	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	99	343417	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	76	372966	40.0	
* 6 Perylene-d12	264	15.410	15.409	0.001	78	424119	40.0	
$ 9 2-Fluorophenol	112	4.207	4.207	0.0	95	241705	73.9	
$ 10 Phenol-d5	99	5.468	5.468	0.0	73	269034	71.5	
$ 11 Nitrobenzene-d5	82	6.659	6.664	-0.005	92	220227	72.0	
$ 12 2-Fluorobiphenyl	172	9.010	9.009	0.001	99	492825	76.2	
$ 13 2,4,6-Tribromophenol	330	10.815	10.820	-0.005	95	132698	148.0	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	77	744659	91.8	
88 Benzaldehyde	77		5.350					
89 Phenol	94		5.489					9
91 Bis(2-chloroethyl)ether	93		5.585					
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
97 1,2-Dichlorobenzene	146		6.146					
98 2-Methylphenol	108		6.285					
99 2,2'-oxybis[1-chloropropane]	45		6.301					
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108		6.493					
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
110 Isophorone	82		7.006					
111 2-Nitrophenol	139		7.108					
112 2,4-Dimethylphenol	107		7.188					
115 Bis(2-chloroethoxy)methane	93		7.305					
117 2,4-Dichlorophenol	162		7.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
120 1,2,4-Trichlorobenzene	180		7.530					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
126 Hexachlorobutadiene	225		7.791					
131 4-Chloro-3-methylphenol	107		8.374					
133 2-Methylnaphthalene	142		8.529					
136 Hexachlorocyclopentadiene	237		8.732					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
143 2-Chloronaphthalene	162		9.154					
145 2-Nitroaniline	65		9.303					
147 Dimethyl phthalate	163		9.544					9
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					
150 3-Nitroaniline	138		9.843					
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
153 4-Nitrophenol	109		10.105					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
160 Diethyl phthalate	149		10.425					9
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
176 4-Bromophenyl phenyl ether	248		11.098					
177 Hexachlorobenzene	284		11.157					
181 Pentachlorophenol	266		11.381					
185 Phenanthrene	178		11.600					9
188 Anthracene	178		11.654					9
189 Carbazole	167		11.830					
192 Di-n-butyl phthalate	149		12.172					9
197 Fluoranthene	202		12.776					9
199 Pyrene	202		12.989					9
205 Butyl benzyl phthalate	149	13.550	13.556	-0.006	1	1731	0.3353	
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					9
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5024.D		
Lims ID:	480-30773-A-16-A	Client ID:	GW-44538-122012-016
Inject. Date:	27-Dec-2012 14:34:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-010		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	97535	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 15:25:34	Calib Date:	20-Nov-2012 15:39:30
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:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 15:26:05

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.763	132454	10.0	1			
	Unknown					
13.663	261894	11.0	5			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.927	527633	40.0
* 5 Chrysene-d12	14.063	954049	40.0

QC Flag Legend

Processing Flags

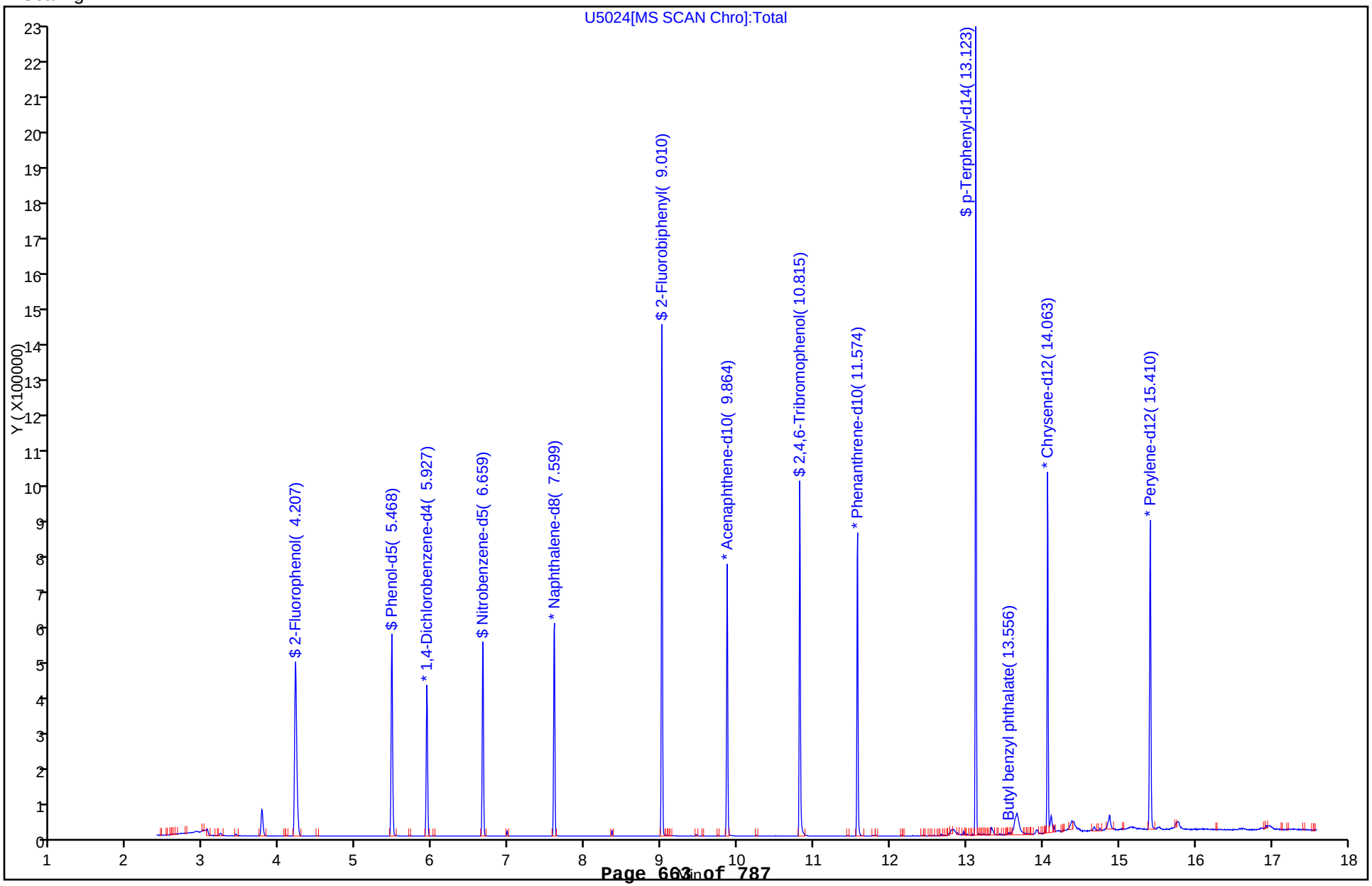
Report Date: 27-Dec-2012 15:26:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5024.D

Injection Date:	27-Dec-2012 14:34:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

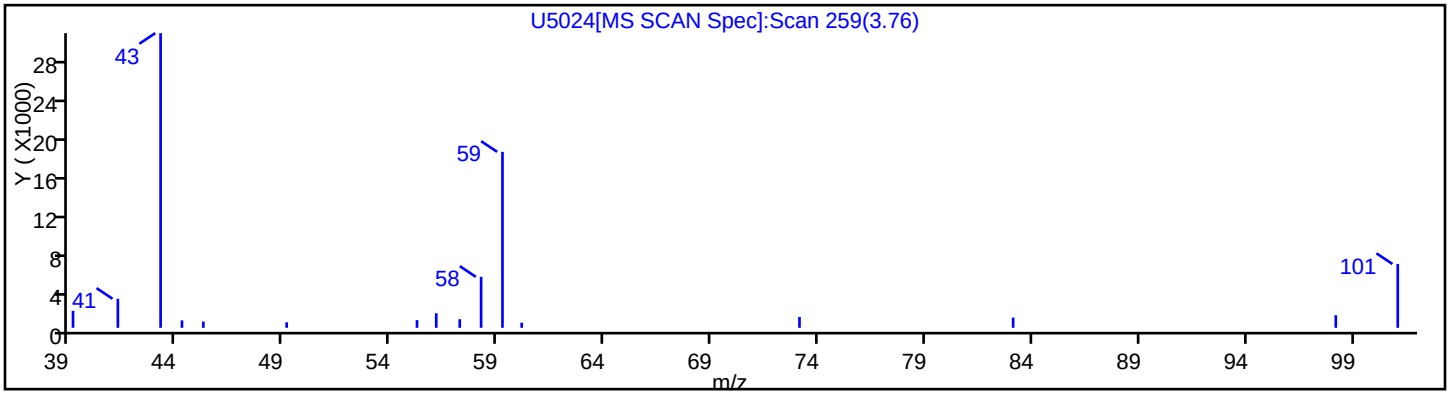


Report Date: 27-Dec-2012 15:26:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5024.D		
Injection Date:	27-Dec-2012 14:34:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	10
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



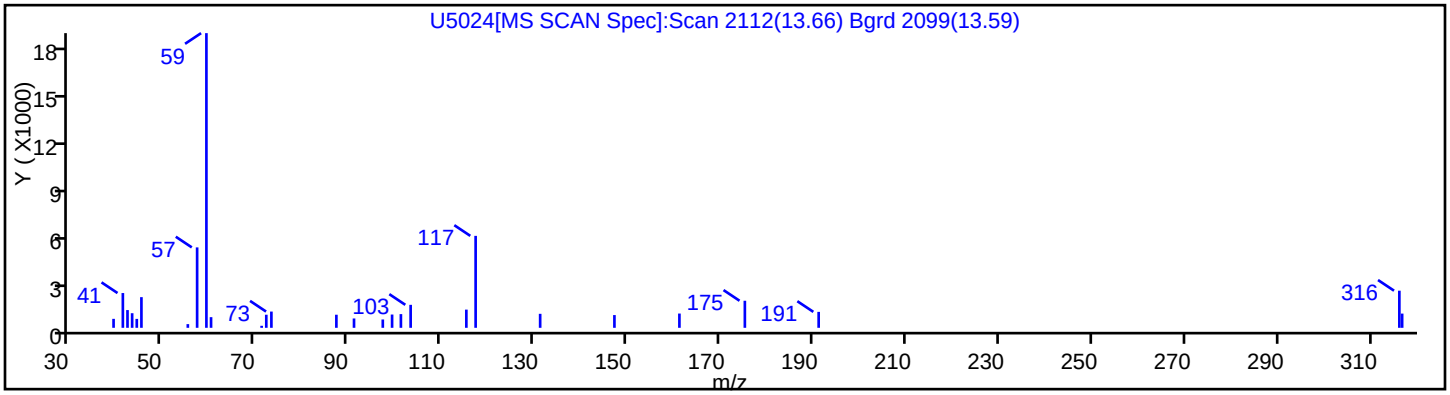
Report Date: 27-Dec-2012 15:26:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5024.D

Injection Date:	27-Dec-2012 14:34:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-016	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	10
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.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: U5025.D

Analysis Method: 8270C | Date Collected: 12/20/2012 11:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 380(mL) | Date Analyzed: 12/27/2012 14:58

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		26	1.2
95-50-1	1,2-Dichlorobenzene	ND		26	1.1
541-73-1	1,3-Dichlorobenzene	ND		26	1.3
106-46-7	1,4-Dichlorobenzene	ND		26	1.2
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		13	1.4
95-95-4	2,4,5-Trichlorophenol	ND		13	1.3
88-06-2	2,4,6-Trichlorophenol	ND		13	1.6
120-83-2	2,4-Dichlorophenol	ND		13	1.3
105-67-9	2,4-Dimethylphenol	ND		13	1.3
51-28-5	2,4-Dinitrophenol	ND		26	5.8
121-14-2	2,4-Dinitrotoluene	ND		13	1.2
606-20-2	2,6-Dinitrotoluene	ND		13	1.1
91-58-7	2-Chloronaphthalene	ND		13	1.2
95-57-8	2-Chlorophenol	ND		13	1.4
91-57-6	2-Methylnaphthalene	ND		13	1.6
95-48-7	2-Methylphenol	ND		13	1.1
88-74-4	2-Nitroaniline	ND		26	1.1
88-75-5	2-Nitrophenol	ND		13	1.3
91-94-1	3,3'-Dichlorobenzidine	ND		13	1.1
99-09-2	3-Nitroaniline	ND		26	1.3
534-52-1	4,6-Dinitro-2-methylphenol	ND		26	5.8
101-55-3	4-Bromophenyl phenyl ether	ND		13	1.2
59-50-7	4-Chloro-3-methylphenol	ND		13	1.2
106-47-8	4-Chloroaniline	ND		13	1.6
7005-72-3	4-Chlorophenyl phenyl ether	ND		13	0.92
106-44-5	4-Methylphenol	ND		26	0.95
100-01-6	4-Nitroaniline	ND		26	0.66
100-02-7	4-Nitrophenol	ND		26	4.0
83-32-9	Acenaphthene	ND		13	1.1
208-96-8	Acenaphthylene	ND		13	1.0
120-12-7	Anthracene	ND		13	0.74
100-52-7	Benzaldehyde	ND		13	0.70
56-55-3	Benzo(a)anthracene	ND		13	0.95
50-32-8	Benzo(a)pyrene	ND		13	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: U5025.D

Analysis Method: 8270C | Date Collected: 12/20/2012 11:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 380(mL) | Date Analyzed: 12/27/2012 14:58

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		13	0.89
191-24-2	Benzo(g,h,i)perylene	ND		13	0.92
207-08-9	Benzo(k)fluoranthene	ND		13	1.9
111-91-1	Bis(2-chloroethoxy)methane	ND		13	0.92
111-44-4	Bis(2-chloroethyl)ether	ND		13	1.1
117-81-7	Bis(2-ethylhexyl) phthalate	ND		13	4.7
85-68-7	Butyl benzyl phthalate	ND		13	1.1
86-74-8	Carbazole	ND		13	0.79
218-01-9	Chrysene	ND		13	0.87
53-70-3	Dibenz(a,h)anthracene	ND		13	1.1
132-64-9	Dibenzofuran	ND		26	1.3
84-66-2	Diethyl phthalate	ND		13	0.58
131-11-3	Dimethyl phthalate	ND		13	0.95
84-74-2	Di-n-butyl phthalate	ND		13	0.82
117-84-0	Di-n-octyl phthalate	ND		13	1.2
206-44-0	Fluoranthene	ND		13	1.1
86-73-7	Fluorene	ND		13	0.95
118-74-1	Hexachlorobenzene	ND		13	1.3
87-68-3	Hexachlorobutadiene	ND		13	1.8
77-47-4	Hexachlorocyclopentadiene	ND		13	1.6
67-72-1	Hexachloroethane	ND		13	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	ND		13	1.2
78-59-1	Isophorone	ND		13	1.1
91-20-3	Naphthalene	ND		13	2.0
98-95-3	Nitrobenzene	ND		13	0.76
621-64-7	N-Nitrosodi-n-propylamine	ND		13	1.4
86-30-6	N-Nitrosodiphenylamine	ND		13	1.3
87-86-5	Pentachlorophenol	ND		26	5.8
85-01-8	Phenanthrene	ND		13	1.2
108-95-2	Phenol	ND		13	1.0
129-00-0	Pyrene	ND		13	0.89

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: U5025.D

Analysis Method: 8270C | Date Collected: 12/20/2012 11:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 380(mL) | Date Analyzed: 12/27/2012 14:58

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		52-132
321-60-8	2-Fluorobiphenyl	82		48-120
367-12-4	2-Fluorophenol	52		20-120
4165-60-0	Nitrobenzene-d5	71		46-120
4165-62-2	Phenol-d5	50		16-120
1718-51-0	p-Terphenyl-d14	95		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: GW-44538-122012-017 | Lab Sample ID: 480-30773-17

Matrix: Water | Lab File ID: U5025.D

Analysis Method: 8270C | Date Collected: 12/20/2012 11:00

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 380(mL) | Date Analyzed: 12/27/2012 14:58

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.: 97535 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 102

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.76	81	T J
	Unknown	13.66	21	T J

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5025.D
Lims ID: 480-30773-A-17-A
Client ID: GW-44538-122012-017
Inject. Date: 27-Dec-2012 14:58:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0017888-011
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 12
Lims Batch ID: 97535
Lims Sample ID: 11
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 15:25:34
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna
Date: 27-Dec-2012 15:25:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	96	91703	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	358887	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	92	210289	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	97	359147	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	77	391475	40.0	
* 6 Perylene-d12	264	15.409	15.409	0.0	78	445943	40.0	
$ 9 2-Fluorophenol	112	4.207	4.207	0.0	95	263988	77.3	
$ 10 Phenol-d5	99	5.467	5.468	-0.001	73	297345	75.7	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	92	230232	71.3	
$ 12 2-Fluorobiphenyl	172	9.009	9.009	0.0	99	548605	82.1	
$ 13 2,4,6-Tribromophenol	330	10.815	10.820	-0.005	93	133490	142.4	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	81	804625	94.5	
88 Benzaldehyde	77		5.350					
89 Phenol	94		5.489					9
91 Bis(2-chloroethyl)ether	93		5.585					
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
97 1,2-Dichlorobenzene	146		6.146					
98 2-Methylphenol	108		6.285					
99 2,2'-oxybis[1-chloropropane]	45		6.301					
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108		6.493					
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
110 Isophorone	82		7.006					
111 2-Nitrophenol	139		7.108					
112 2,4-Dimethylphenol	107		7.188					
115 Bis(2-chloroethoxy)methane	93		7.305					
117 2,4-Dichlorophenol	162		7.433					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
120 1,2,4-Trichlorobenzene	180		7.530					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
126 Hexachlorobutadiene	225		7.791					
131 4-Chloro-3-methylphenol	107		8.374					
133 2-Methylnaphthalene	142		8.529					
136 Hexachlorocyclopentadiene	237		8.732					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
143 2-Chloronaphthalene	162		9.154					
145 2-Nitroaniline	65		9.303					
147 Dimethyl phthalate	163		9.544					
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					
150 3-Nitroaniline	138		9.843					
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
153 4-Nitrophenol	109		10.105					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
160 Diethyl phthalate	149		10.425					9
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
176 4-Bromophenyl phenyl ether	248		11.098					
177 Hexachlorobenzene	284		11.157					
181 Pentachlorophenol	266		11.381					
185 Phenanthrene	178		11.600					
188 Anthracene	178		11.654					
189 Carbazole	167		11.830					
192 Di-n-butyl phthalate	149		12.172					9
197 Fluoranthene	202		12.776					9
199 Pyrene	202		12.989					9
205 Butyl benzyl phthalate	149		13.556					9
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					

QC Flag Legend

Processing Flags
9 - Failed A Reference Spectral Test

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5025.D		
Lims ID:	480-30773-A-17-A	Client ID:	GW-44538-122012-017
Inject. Date:	27-Dec-2012 14:58:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0017888-011		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	97535	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 15:25:34	Calib Date:	20-Nov-2012 15:39:30
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:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 15:25:56

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.763	426443	30.9	1			
	Unknown					
13.657	203031	8.09	5			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.927	551290	40.0
* 5 Chrysene-d12	14.063	1003675	40.0

QC Flag Legend

Processing Flags

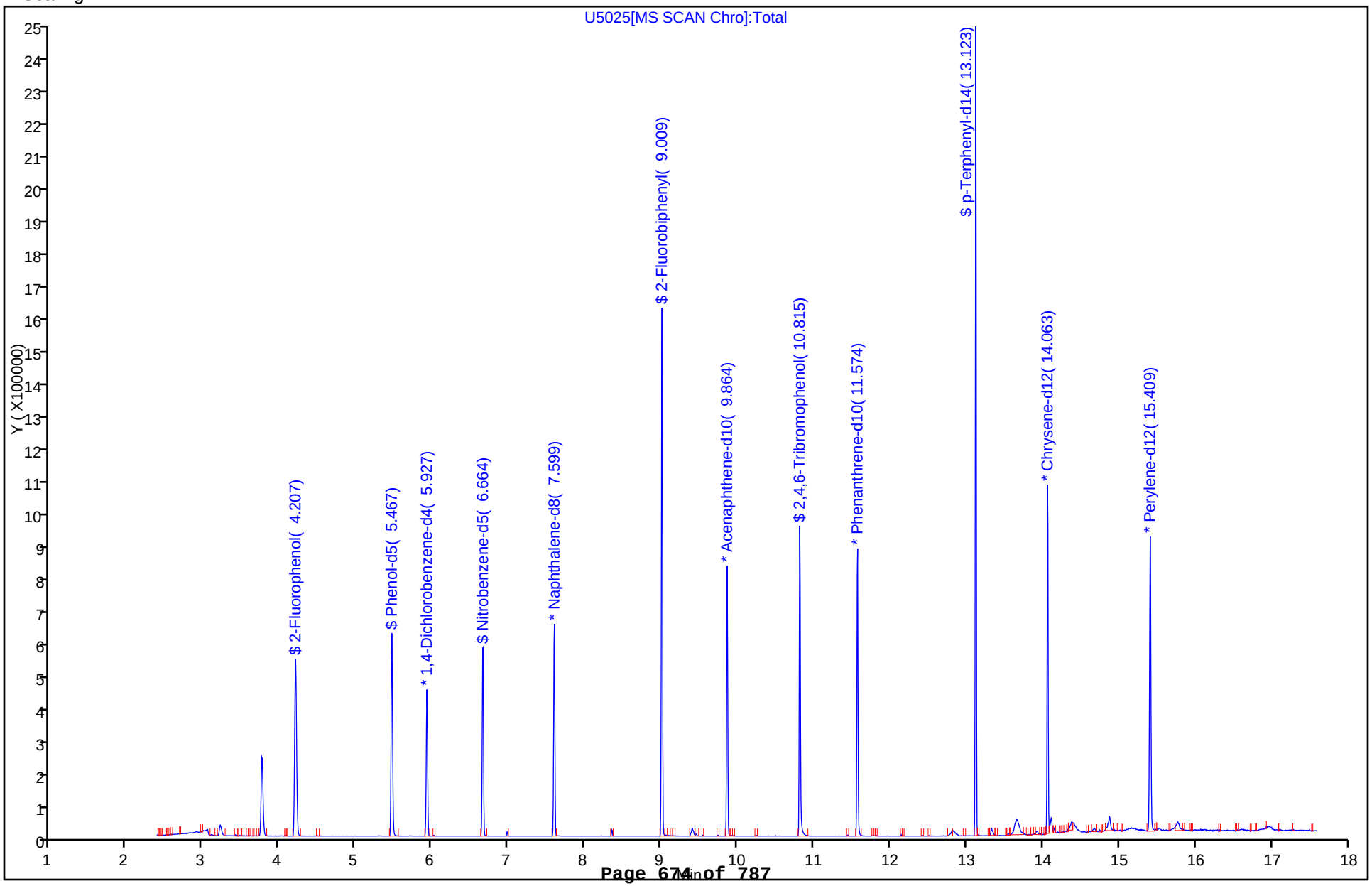
Report Date: 27-Dec-2012 15:25:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5025.D

Injection Date:	27-Dec-2012 14:58:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-017	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



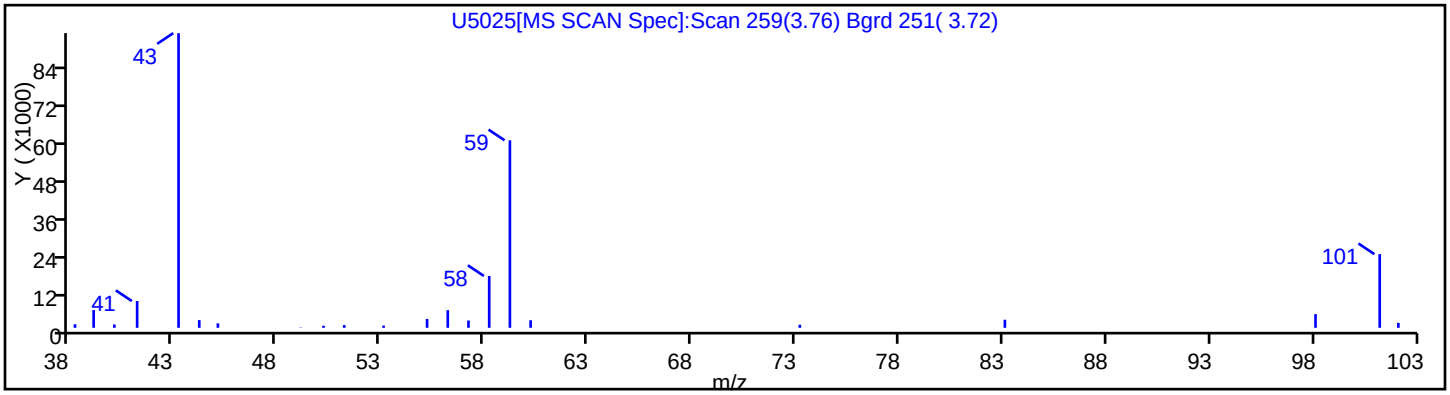
Report Date: 27-Dec-2012 15:25:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5025.D

Injection Date:	27-Dec-2012 14:58:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-017	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

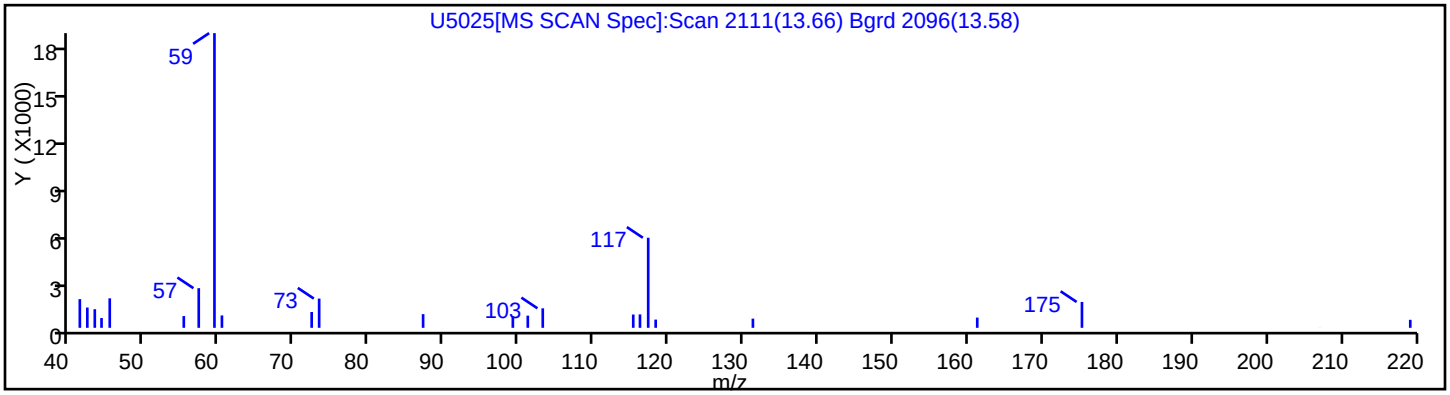


Report Date: 27-Dec-2012 15:25:56 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5025.D		
Injection Date:	27-Dec-2012 14:58:30	Limit Group:	MB - 8270C ICAL
Client ID:	GW-44538-122012-017	Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-91840/2	U4112.D
Level 2	IC 480-91840/3	U4101.D
Level 3	ICIS 480-91840/4	U4102.D
Level 4	IC 480-91840/5	U4103.D
Level 5	IC 480-91840/6	U4104.D
Level 6	IC 480-91840/7	U4105.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodimethylamine	0.5657 0.6305	0.6314	0.6422	0.6511	0.6420	Ave		0.6271				5.0		15.0			
Pyridine	1.1475 1.1830	1.2087	1.2353	1.2319	1.2058	Lin1	-0.085	1.2062							1.0000		0.9900
Phenol	1.9135 1.7402	1.9074	1.8930	1.8675	1.8178	Lin1	1.2401	1.7952							0.9990		0.9900
Aniline	2.3127 2.2071	2.3301	2.3212	2.3028	2.2495	Ave		2.2872				2.1		15.0			
Bis(2-chloroethyl)ether	1.5220 1.3931	1.5181	1.5053	1.4825	1.4444	Ave		1.4776				3.4		15.0			
2-Chlorophenol	1.4687 1.4562	1.5330	1.5369	1.5340	1.4970	Ave		1.5043				2.4		15.0			
1,3-Dichlorobenzene	1.7041 1.4933	1.6602	1.6308	1.6081	1.5543	Ave		1.6085				4.7		15.0			
1,4-Dichlorobenzene	1.7855 1.5247	1.6959	1.6778	1.6307	1.5750	Ave		1.6483				5.6		15.0			
Benzyl alcohol	0.8995 0.9638	0.9690	1.0118	1.0017	0.9869	Ave		0.9721				4.1		15.0			
1,2-Dichlorobenzene	1.6501 1.4323	1.5714	1.5587	1.5282	1.4918	Ave		1.5388				4.8		15.0			
2-Methylphenol	1.3606 1.3002	1.3900	1.3885	1.3692	1.3372	Ave		1.3576				2.5		15.0			
2,2'-Oxybis(1-chloropropane)	1.9954 1.7351	1.9467	1.9309	1.8693	1.7998	Ave		1.8795				5.2		15.0			
4-Methylphenol	1.3991 1.2909	1.4037	1.4137	1.3764	1.3237	Ave		1.3679				3.6		15.0			
N-Nitrosodi-n-propylamine	1.0365 1.0027	1.0380	1.0506	1.0419	1.0229	Ave		1.0321			0.0500	1.6		15.0			
Hexachloroethane	0.5823 0.5646	0.5978	0.5941	0.5968	0.5819	Ave		0.5862				2.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene	0.3486 0.3635	0.3722	0.3861	0.3786	0.3707	Ave		0.3700				3.5		15.0			
Isophorone	0.6357 0.6462	0.6868	0.6942	0.6756	0.6607	Ave		0.6665				3.5		15.0			
2-Nitrophenol	0.1489 0.1987	0.1852	0.2016	0.2004	0.2040	Lin1	-0.275	0.2034							1.0000		0.9900
2,4-Dimethylphenol	0.3660 0.3542	0.3673	0.3777	0.3687	0.3572	Lin1	0.1136	0.3596							0.9990		0.9900
Tetraethyl lead	0.1241 0.1119	0.1206	0.1224	0.1202	0.1149	Ave		0.1190				3.9		15.0			
Bis(2-chloroethoxy)methane	0.4662 0.3889	0.4225	0.4218	0.4112	0.3968	Ave		0.4179				6.5		15.0			
Benzoic acid	0.2671 0.3127	0.2809	0.2901	0.2989	0.3096	Ave		0.2932				6.0		15.0			
2,4-Dichlorophenol	0.2945 0.2718	0.2907	0.2958	0.2874	0.2782	Ave		0.2864				3.3		15.0			
1,2,4-Trichlorobenzene	0.3362 0.2919	0.3176	0.3174	0.3080	0.2979	Ave		0.3115				5.1		15.0			
Naphthalene	1.1439 0.9229	1.0755	1.0629	1.0078	0.9637	Ave		1.0294				7.8		15.0			
4-Chloroaniline	0.4400 0.4254	0.4415	0.4546	0.4463	0.4349	Ave		0.4404				2.3		15.0			
Hexachlorobutadiene	0.1700 0.1577	0.1678	0.1694	0.1669	0.1601	Ave		0.1653				3.1		15.0			
4-Chloro-3-methylphenol	0.2910 0.3136	0.3169	0.3351	0.3276	0.3194	Lin1	-0.080	0.3213							0.9990		0.9900
2-Methylnaphthalene	0.7317 0.6137	0.6939	0.6864	0.6617	0.6353	Ave		0.6705				6.4		15.0			
Hexachlorocyclopentadiene	0.2489 0.3281	0.3092	0.3325	0.3359	0.3281	Ave		0.3138			0.0500	11.0		15.0			
2,4,6-Trichlorophenol	0.2924 0.3363	0.3431	0.3572	0.3518	0.3455	Lin1	-0.173	0.3463							0.9990		0.9900
2,4,5-Trichlorophenol	0.3316 0.3659	0.3733	0.3879	0.3909	0.3661	Lin1	-0.105	0.3745							0.9990		0.9900
2-Chloronaphthalene	1.1952 1.0060	1.1291	1.1187	1.1008	1.0539	Ave		1.1006				5.9		15.0			
2-Nitroaniline	0.2395 0.3418	0.3224	0.3425	0.3514	0.3397	Lin1	-0.507	0.3480							1.0000		0.9900
Dimethyl phthalate	1.3395 1.2188	1.3467	1.3400	1.3109	1.2565	Ave		1.3021				4.1		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2,6-Dinitrotoluene	0.1959 0.2988	0.2705	0.3038	0.3067	0.3000	Lin1	-0.543	0.3062							1.0000		0.9900
Acenaphthylene	1.7950 1.5724	1.8225	1.8089	1.7520	1.6297	Ave		1.7301				6.0		15.0			
3-Nitroaniline	0.2395 0.3412	0.3182	0.3503	0.3557	0.3439	Lin1	-0.522	0.3506							0.9990		0.9900
Acenaphthene	1.1818 0.9837	1.1182	1.1148	1.0768	1.0189	Ave		1.0824				6.7		15.0			
2,4-Dinitrophenol	0.0282 0.1599	0.0594	0.1073	0.1382	0.1516	Lin1	-1.703	0.1634			0.0500				0.9920		0.9900
4-Nitrophenol	0.1145 0.1894	0.1518	0.1791	0.1853	0.1885	LinF		0.1876			0.0500				0.9980		0.9900
2,4-Dinitrotoluene	0.2883 0.3772	0.3621	0.4040	0.3973	0.3810	Lin1	-0.420	0.3891							0.9990		0.9900
Dibenzofuran	1.7444 1.3591	1.6478	1.5740	1.4881	1.3882	Ave		1.5336				9.8		15.0			
Diethyl phthalate	1.3096 1.1488	1.3291	1.3675	1.2790	1.1891	Ave		1.2705				6.7		15.0			
Fluorene	1.3353 1.0840	1.2819	1.2533	1.2048	1.1156	Ave		1.2125				8.0		15.0			
4-Chlorophenyl phenyl ether	0.6985 0.5254	0.6373	0.6151	0.5879	0.5448	Ave		0.6015				11.0		15.0			
4-Nitroaniline	0.2637 0.3594	0.3500	0.3680	0.3625	0.3592	Lin1	-0.436	0.3654							1.0000		0.9900
4,6-Dinitro-2-methylphenol	0.0607 0.1415	0.0865	0.1172	0.1292	0.1388	Lin1	-0.995	0.1450							0.9980		0.9900
N-Nitrosodiphenylamine	0.5148 0.4869	0.5301	0.5191	0.5196	0.5009	Ave		0.5119				3.0		15.0			
1,2-Diphenylhydrazine	1.3271 1.1605	1.3203	1.3154	1.2731	1.2011	Ave		1.2663				5.5		15.0			
4-Bromophenyl phenyl ether	0.2071 0.1938	0.2128	0.2135	0.2079	0.1999	Ave		0.2058				3.7		15.0			
Hexachlorobenzene	0.2414 0.2095	0.2318	0.2297	0.2251	0.2156	Ave		0.2255				5.1		15.0			
Pentachlorophenol	0.0581 0.1294	0.0672	0.1057	0.1180	0.1256	Lin1	-0.962	0.1323							0.9970		0.9900
Phenanthrene	1.1970 0.9167	1.1394	1.0938	1.0419	0.9673	Ave		1.0593				10.0		15.0			
Anthracene	1.1354 0.9395	1.1381	1.1164	1.0670	0.9816	Ave		1.0630				7.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbazole	1.0934 0.9480	1.1096	1.0518	1.0179	0.9774	Ave		1.0330				6.2		15.0			
Di-n-butyl phthalate	1.1672 1.1276	1.2845	1.2869	1.2516	1.1833	Ave		1.2168				5.5		15.0			
Fluoranthene	1.2404 1.0253	1.2304	1.1707	1.1210	1.0685	Ave		1.1427				7.6		15.0			
Benzidine	0.4720 0.6629	0.6605	0.7061	0.7138	0.6869	Ave		0.6504				14.0		15.0			
Pyrene	1.2700 1.0371	1.1975	1.1691	1.1460	1.0573	Ave		1.1462				7.6		15.0			
3,3'-Dimethylbenzidine	0.5760 0.5906	0.6843	0.6642	0.6453	0.6077	Ave		0.6280				6.9		15.0			
Butyl benzyl phthalate	0.4924 0.5277	0.5845	0.5941	0.5795	0.5441	Ave		0.5537				7.1		15.0			
3,3'-Dichlorobenzidine	0.3580 0.4163	0.4480	0.4575	0.4529	0.4274	Ave		0.4267				8.7		15.0			
Bis(2-ethylhexyl) phthalate	0.6578 0.7234	0.7944	0.8185	0.7980	0.7469	Ave		0.7565				7.9		15.0			
Benzo(a)anthracene	1.1875 0.9838	1.1246	1.0800	1.0611	1.0009	Ave		1.0730				7.1		15.0			
Chrysene	1.2236 0.9824	1.1464	1.1231	1.0831	1.0266	Ave		1.0975				7.9		15.0			
Di-n-octyl phthalate	0.9037 1.3010	1.2930	1.3795	1.3984	1.3363	Ave		1.2687				14.0		15.0			
Benzo(b)fluoranthene	1.0718 0.8540	1.0493	1.0803	1.0231	0.8907	Ave		0.9949				9.8		15.0			
Benzo(k)fluoranthene	1.1441 0.9510	1.2002	1.1171	1.0131	0.9725	Ave		1.0663				9.5		15.0			
Benzo(a)pyrene	0.8275 0.8155	0.9281	0.9430	0.9128	0.8660	Ave		0.8821				6.1		15.0			
Indeno(1,2,3-cd)pyrene	1.0440 1.1468	1.1500	1.2328	1.2299	1.2123	Ave		1.1693				6.2		15.0			
Dibenz(a,h)anthracene	0.9117 0.9605	1.0086	1.0658	1.0313	1.0144	Ave		0.9987				5.5		15.0			
Benzo(g,h,i)perylene	0.9084 0.9336	0.9921	1.0567	1.0385	1.0113	Ave		0.9901				5.9		15.0			
2-Fluorophenol	1.4324 1.4604	1.5107	1.5146	1.5218	1.5031	Ave		1.4905				2.4		15.0			
Phenol-d5	1.6096 1.6652	1.7451	1.7858	1.7643	1.7150	Ave		1.7142				3.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Nitrobenzene-d5	0.3193 0.3639	0.3593	0.3729	0.3743	0.3683	Ave		0.3597				5.7		15.0			
2-Fluorobiphenyl	1.4018 1.1429	1.3183	1.3103	1.2683	1.1831	Ave		1.2708				7.5		15.0			
2,4,6-Tribromophenol	0.0869 0.1084	0.0994	0.1085	0.1121	0.1112	Ave		0.1044				9.3		15.0			
p-Terphenyl-d14	0.9435 0.7840	0.9116	0.8969	0.8734	0.8083	Ave		0.8696				7.1		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-91840/2	U4112.D
Level 2	IC 480-91840/3	U4101.D
Level 3	ICIS 480-91840/4	U4102.D
Level 4	IC 480-91840/5	U4103.D
Level 5	IC 480-91840/6	U4104.D
Level 6	IC 480-91840/7	U4105.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	8451 315320	38840	98358	163265	241119	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Lin1	17143 591676	74349	189184	308913	452874	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Lin1	28587 870366	117332	289908	468308	682753	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	34551 1103874	143332	355479	577466	844887	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	22738 696767	93385	230534	371762	542521	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	21943 728323	94298	235369	384675	562254	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	25460 746895	102125	249746	403248	583766	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	26676 762558	104318	256948	408931	591550	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	13438 482020	59607	154952	251189	370672	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	24653 716383	96664	238716	383232	560303	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	20328 650315	85503	212645	343348	502238	5.00 160	20.0	50.0	80.0	120
2,2'-Oxybis(1-chloropropane)	DCB	Ave	29811 867794	119748	295714	468766	675976	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	20902 645652	86344	216509	345151	497179	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	15486 501510	63850	160896	261270	384210	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	8700 282368	36773	90983	149647	218557	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	20884 730430	91710	236183	381469	563205	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	38086 1298502	169197	424618	680695	1003864	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Lin1	8920 399347	45619	123304	201939	310033	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Lin1	21930 711715	90494	231038	371434	542799	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	7437 224790	29701	74882	121091	174655	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	27935 781528	104078	258008	414242	602875	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	320084 1884777	415181	532260	903400	1411418	100 480	120	150	240	360
2,4-Dichlorophenol	NPT	Ave	17643 546096	71619	180923	289602	422660	5.00 160	20.0	50.0	80.0	120
1,2,4-Trichlorobenzene	NPT	Ave	20142 586635	78248	194143	310336	452597	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	68534 1854483	264971	650106	1015336	1464277	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	26361 854877	108763	278028	449649	660775	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	10186 316928	41344	103587	168184	243206	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Lin1	17434 630187	78086	204947	330017	485348	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	43841 1233144	170964	419851	666649	965303	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	8648 391248	44616	119661	198123	297612	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Lin1	10159 400983	49503	128570	207500	313408	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Lin1	11521 436219	53859	139615	230541	332079	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	41524 1199475	162920	402607	649203	956010	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Lin1	8322 407493	46524	123259	207229	308105	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	46537 1453162	194323	482257	773130	1139761	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Lin1	6806 356268	39033	109329	180907	272099	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	62364 1874752	262964	651013	1033266	1478258	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Lin1	8322 406849	45909	126077	209799	311927	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	41060 1172897	161349	401204	635053	924251	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	1958 190678	8576	38630	81483	137507	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	LinF	7958 225771	21907	64461	109290	170973	10.0 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Lin1	10015 449782	52251	145392	234308	345611	5.00 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	60606 1620430	237769	566480	877634	1259197	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	45499 1369708	191778	492173	754315	1078645	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	46392 1292437	184965	451048	710526	1011932	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	24267 626484	91959	221373	346701	494194	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Lin1	9160 428562	50503	132460	213797	325830	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	7325 280295	21449	72843	129116	210054	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	31074 964378	131508	322501	519259	758222	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	46108 1383689	190508	473411	750819	1089471	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	12502 383782	52788	132641	207734	302522	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	14571 414923	57507	142701	224972	326369	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	7019 256273	16678	65669	117889	190129	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	72254 1815536	282661	679572	1041145	1464036	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	68534 1860670	282342	693609	1066284	1485795	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	66003 1877446	275267	653468	1017149	1479435	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	70456 2233168	318665	799557	1250755	1790997	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	74873 2030561	305257	727381	1120209	1617344	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	29828 1332773	172933	450519	725329	1061267	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	80256 2085217	313553	745891	1164520	1633666	5.00 160	20.0	50.0	80.0	120
3,3'-Dimethylbenzidine	PHN	Ave	34772 1169789	169771	412666	644884	919745	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	31119 1061035	153033	379058	588838	840668	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	22621 836998	117305	291869	460237	660299	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	41571 1454472	207992	522204	810904	1153959	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	75039 1978071	294455	689038	1078212	1546467	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	77323 1975136	300171	716520	1100625	1586212	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	57109 2615720	338556	880130	1420992	2064705	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	75421 2304516	297799	773473	1268117	1782903	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	80509 2566160	340603	799825	1255703	1946589	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	58229 2200544	263382	675167	1131418	1733414	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	73463 3094508	326358	882710	1524402	2426649	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	64156 2591973	286247	763075	1278218	2030402	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	63925 2519340	281559	756611	1287180	2024335	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	21400 730440	92930	231964	381607	564545	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	24048 832850	107346	273491	442432	644149	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	19128 731211	88514	228066	377156	559668	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	48703 1362721	190212	471579	748003	1073199	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	5245 214626	24659	67430	112021	168381	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	59625 1576219	238678	572241	887554	1248922	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 10:52 Calibration End Date: 11/20/2012 15:39 Calibration ID: 11256

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
LinF = Linear ISTD forced zero

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Lims ID: IC - 5 PT
Client ID:
Inject. Date: 20-Nov-2012 15:39:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 1
Sample ID: 480-0016804-002
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 2
Lims Batch ID: 91840
Lims Sample ID: 2
Sublist: chrom-U-8270*sub21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m
Last Update: 20-Nov-2012 16:31:47
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: mcgoverna
Date: 20-Nov-2012 16:31:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.012	-0.005	96	119520	40.0	
* 2 Naphthalene-d8	136	7.669	7.668	0.001	99	479314	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	92	277938	40.0	
* 4 Phenanthrene-d10	188	11.632	11.632	0.0	98	482908	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	76	505539	40.0	
* 6 Perylene-d12	264	15.495	15.500	-0.005	78	562939	40.0	
$ 9 2-Fluorophenol	112	4.292	4.292	0.0	57	21400	4.81	
$ 10 Phenol-d5	99	5.510	5.516	-0.006	59	24048	4.70	
$ 11 Nitrobenzene-d5	82	6.728	6.734	-0.006	69	19128	4.44	
$ 12 2-Fluorobiphenyl	172	9.074	9.073	0.001	82	48703	5.52	
$ 13 2,4,6-Tribromophenol	330	10.874	10.874	0.0	14	5245	4.16	
$ 14 p-Terphenyl-d14	244	13.182	13.182	0.0	72	59625	5.43	
81 N-Nitrosodimethylamine	42	2.727	2.727	0.0	69	8451	4.51	
82 Pyridine	52	2.796	2.791	0.005	86	17143	4.83	
89 Phenol	94	5.532	5.537	-0.005	89	28587	4.64	
90 Aniline	93	5.574	5.580	-0.006	88	34551	5.06	
91 Bis(2-chloroethyl)ether	93	5.665	5.665	0.0	82	22738	5.15	
93 2-Chlorophenol	128	5.724	5.729	-0.005	80	21943	4.88	
94 1,3-Dichlorobenzene	146	5.932	5.932	0.0	85	25460	5.30	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	52	26676	5.42	
96 Benzyl alcohol	108	6.189	6.189	0.0	79	13438	4.63	
97 1,2-Dichlorobenzene	146	6.226	6.226	0.0	83	24653	5.36	
98 2-Methylphenol	108	6.333	6.338	-0.005	78	20328	5.01	
99 2,2'-oxybis[1-chloropropane]	45	6.376	6.376	0.0	81	29811	5.31	
102 4-Methylphenol	108	6.536	6.541	-0.005	91	20902	5.11	
101 N-Nitrosodi-n-propylamine	70	6.541	6.547	-0.006	73	15486	5.02	
106 Hexachloroethane	117	6.670	6.669	0.001	83	8700	4.97	
107 Nitrobenzene	77	6.755	6.760	-0.005	70	20884	4.71	
110 Isophorone	82	7.070	7.075	-0.005	90	38086	4.77	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.172	7.172	0.0	67	8920	5.01	
112 2,4-Dimethylphenol	107	7.236	7.241	-0.005	81	21930	4.77	
113 Tetraethyl lead	237	7.289	7.289	0.0	83	7437	5.21	
115 Bis(2-chloroethoxy)methane	93	7.369	7.369	0.0	91	27935	5.58	
119 Benzoic acid	105	7.412	7.439	-0.027	78	320084	91.1	M
117 2,4-Dichlorophenol	162	7.482	7.487	-0.005	75	17643	5.14	
120 1,2,4-Trichlorobenzene	180	7.594	7.594	0.0	71	20142	5.40	
121 Naphthalene	128	7.695	7.695	0.0	65	68534	5.56	
123 4-Chloroaniline	127	7.775	7.775	0.0	75	26361	4.99	
126 Hexachlorobutadiene	225	7.861	7.861	0.0	74	10186	5.14	
131 4-Chloro-3-methylphenol	107	8.406	8.411	-0.005	69	17434	4.78	
133 2-Methylnaphthalene	142	8.593	8.598	-0.005	77	43841	5.46	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	60	8648	3.97	
139 2,4,6-Trichlorophenol	196	8.961	8.961	0.0	64	10159	4.72	
140 2,4,5-Trichlorophenol	196	9.004	9.004	0.0	61	11521	4.71	
143 2-Chloronaphthalene	162	9.218	9.218	0.0	89	41524	5.43	
145 2-Nitroaniline	65	9.357	9.362	-0.005	31	8322	4.90	
147 Dimethyl phthalate	163	9.608	9.613	-0.005	90	46537	5.14	
148 2,6-Dinitrotoluene	165	9.677	9.683	-0.005	57	6806	4.97	
149 Acenaphthylene	152	9.747	9.752	-0.005	83	62364	5.19	
150 3-Nitroaniline	138	9.891	9.896	-0.005	73	8322	4.90	
151 Acenaphthene	153	9.971	9.976	-0.005	87	41060	5.46	
152 2,4-Dinitrophenol	184	10.019	10.024	-0.005	6	1958	12.1	
153 4-Nitrophenol	109	10.115	10.115	0.0	66	7958	6.10	
154 2,4-Dinitrotoluene	165	10.179	10.185	-0.006	68	10015	4.78	
155 Dibenzofuran	168	10.185	10.190	-0.005	74	60606	5.69	
160 Diethyl phthalate	149	10.484	10.489	-0.005	89	45499	5.15	
161 Fluorene	166	10.596	10.596	0.0	77	46392	5.51	
162 4-Chlorophenyl phenyl ether	204	10.607	10.607	0.0	84	24267	5.81	
164 4-Nitroaniline	138	10.628	10.639	-0.011	57	9160	4.80	
166 4,6-Dinitro-2-methylphenol	198	10.660	10.665	-0.005	40	7325	11.0	
167 N-Nitrosodiphenylamine	169	10.740	10.746	-0.006	84	31074	5.03	
168 1,2-Diphenylhydrazine	77	10.783	10.788	-0.005	97	46108	5.24	
176 4-Bromophenyl phenyl ether	248	11.157	11.162	-0.005	80	12502	5.03	
177 Hexachlorobenzene	284	11.210	11.216	-0.006	70	14571	5.35	
181 Pentachlorophenol	266	11.435	11.435	0.0	2	7019	11.7	
185 Phenanthrene	178	11.654	11.659	-0.005	80	72254	5.65	
188 Anthracene	178	11.707	11.713	-0.006	80	68534	5.34	
189 Carbazole	167	11.878	11.884	-0.006	81	66003	5.29	
192 Di-n-butyl phthalate	149	12.231	12.236	-0.005	95	70456	4.80	
197 Fluoranthene	202	12.829	12.834	-0.005	94	74873	5.43	
198 Benzidine	184	12.957	12.963	-0.006	63	29828	3.63	
199 Pyrene	202	13.043	13.048	-0.005	94	80256	5.54	
205 Butyl benzyl phthalate	149	13.614	13.614	0.0	89	31119	4.45	
203 3,3'-Dimethylbenzidine	212	13.609	13.614	-0.005	72	34772	4.59	
208 3,3'-Dichlorobenzidine	252	14.085	14.090	-0.005	74	22621	4.19	
210 Bis(2-ethylhexyl) phthalate	149	14.101	14.106	-0.005	94	41571	4.35	
209 Benzo[a]anthracene	228	14.117	14.117	0.0	77	75039	5.53	
211 Chrysene	228	14.149	14.154	-0.005	80	77323	5.57	
212 Di-n-octyl phthalate	149	14.667	14.672	-0.005	87	57109	3.56	
213 Benzo[b]fluoranthene	252	15.100	15.105	-0.005	81	75421	5.39	
214 Benzo[k]fluoranthene	252	15.126	15.132	-0.006	85	80509	5.36	M

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.436	15.441	-0.005	85	58229	4.69	
219 Indeno[1,2,3-cd]pyrene	276	16.718	16.729	-0.011	81	73463	4.46	
220 Dibenz(a,h)anthracene	278	16.729	16.740	-0.011	40	64156	4.56	
221 Benzo[g,h,i]perylene	276	17.071	17.087	-0.016	68	63925	4.59	
S 78 3-Methylphenol	1				0		5.11	
S 222 Total Cresols	1				0		10.1	
S 77 3 & 4 Methylphenol	108				0		5.11	

QC Flag Legend

Review Flags
M - Manually Integrated

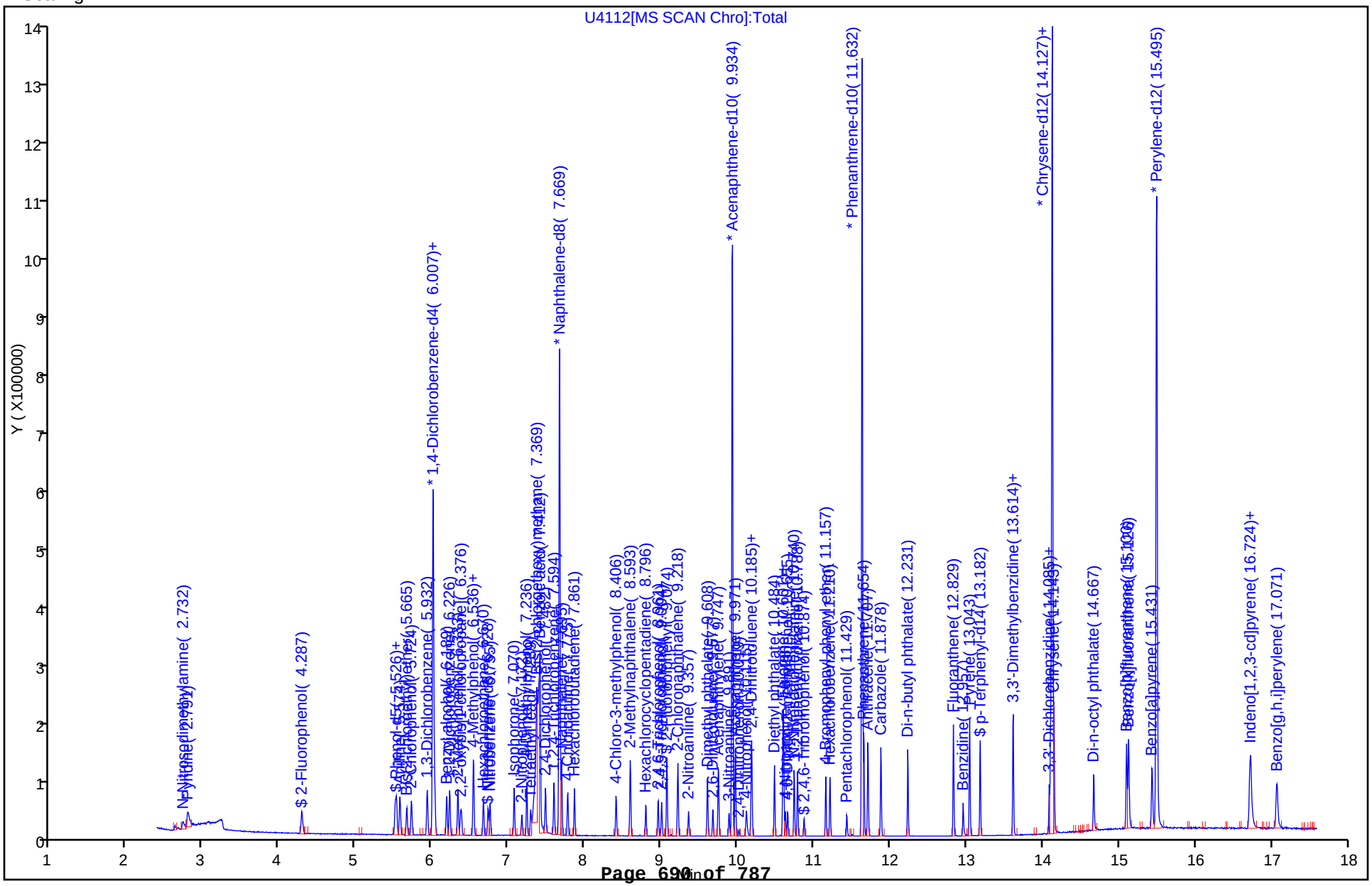
Report Date: 20-Nov-2012 16:31:47 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D

Injection Date:	20-Nov-2012 15:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	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

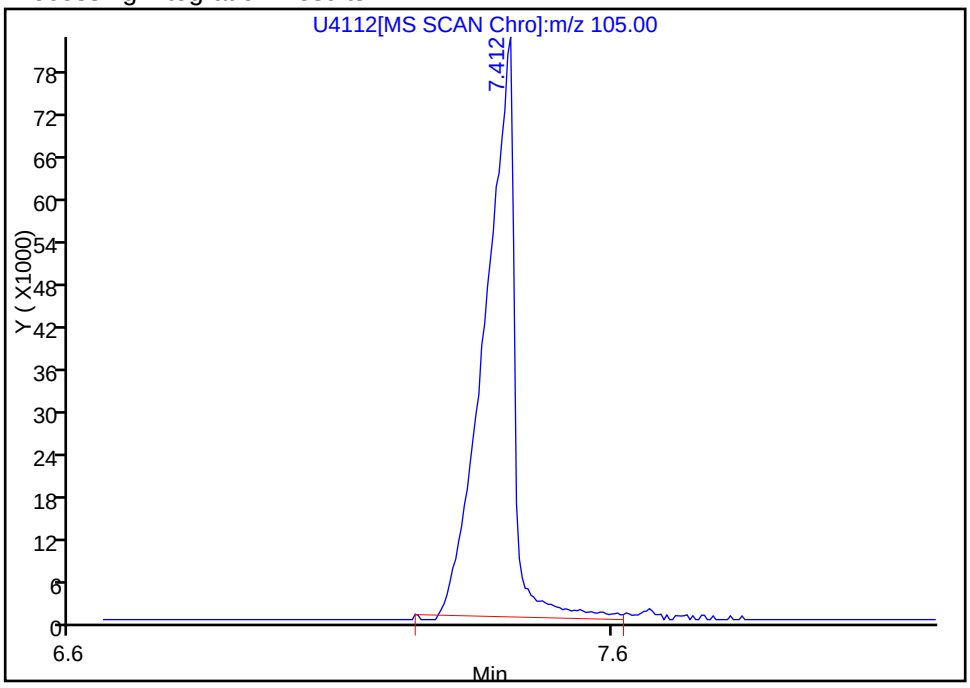
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Injection Date:	20-Nov-2012 15:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 7.44

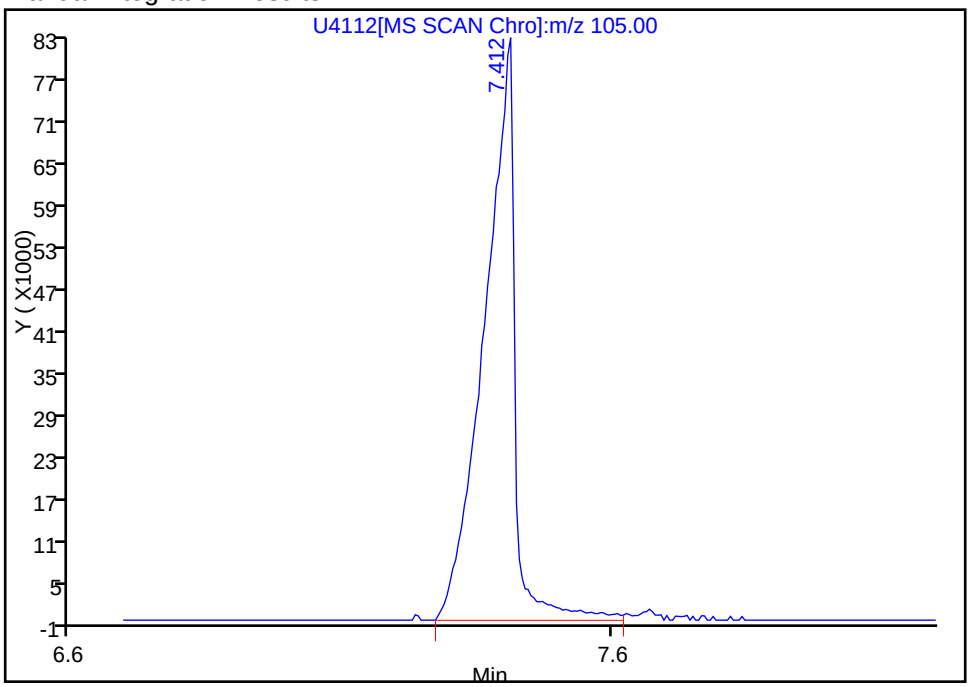
Processing Integration Results

RT: 7.41
Response: 311756
Amount: 89.084400



Manual Integration Results

RT: 7.41
Response: 320084
Amount: 91.102796



Reviewer: mcgoverna, 20-Nov-2012 16:02:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

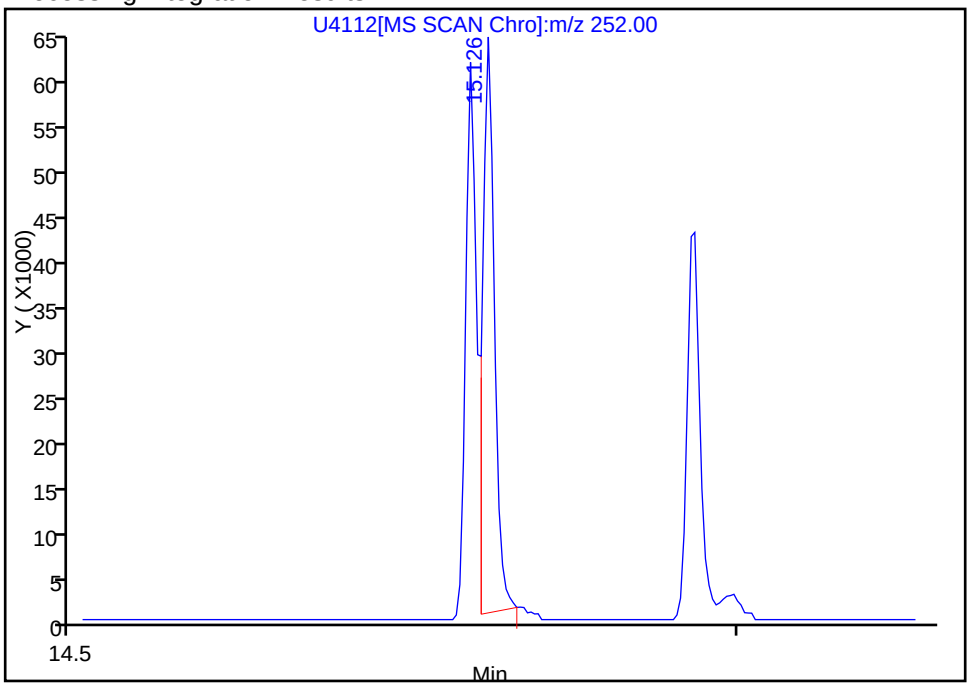
TestAmerica Buffalo

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Injection Date:	20-Nov-2012 15:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

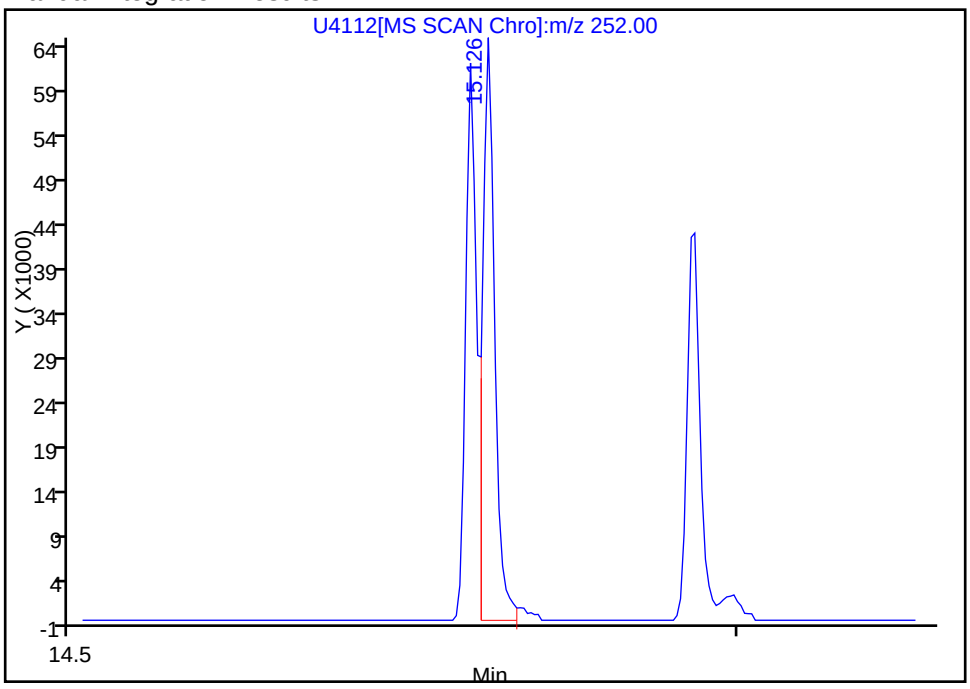
Processing Integration Results

RT: 15.13
Response: 77039
Amount: 5.173432



Manual Integration Results

RT: 15.13
Response: 80509
Amount: 5.364784



Reviewer: mcgoverna, 20-Nov-2012 16:02:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4101.D		
Lims ID:	IC - 20 PT	Client ID:	
Inject. Date:	20-Nov-2012 10:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0016804-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	91840	Lims Sample ID:	3
Sublist:	chrom-U-8270*sub21		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:31:49	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:31:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.012	0.0	93	123026	40.0	
* 2 Naphthalene-d8	136	7.668	7.668	0.0	99	492734	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	92	288581	40.0	
* 4 Phenanthrene-d10	188	11.632	11.632	0.0	98	496177	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	75	523669	40.0	
* 6 Perylene-d12	264	15.495	15.500	-0.005	81	567593	40.0	
$ 9 2-Fluorophenol	112	4.292	4.292	0.0	94	92930	20.3	
$ 10 Phenol-d5	99	5.516	5.516	0.0	90	107346	20.4	
$ 11 Nitrobenzene-d5	82	6.734	6.734	0.0	91	88514	20.0	
$ 12 2-Fluorobiphenyl	172	9.073	9.073	0.0	99	190212	20.7	
$ 13 2,4,6-Tribromophenol	330	10.874	10.874	0.0	86	24659	19.0	
$ 14 p-Terphenyl-d14	244	13.182	13.182	0.0	79	238678	21.0	
81 N-Nitrosodimethylamine	42	2.732	2.727	0.005	77	38840	20.1	
82 Pyridine	52	2.791	2.791	0.0	91	74349	20.1	
89 Phenol	94	5.532	5.537	-0.005	95	117332	20.6	
90 Aniline	93	5.574	5.580	-0.006	97	143332	20.4	
91 Bis(2-chloroethyl)ether	93	5.665	5.665	0.0	92	93385	20.5	
93 2-Chlorophenol	128	5.729	5.729	0.0	93	94298	20.4	
94 1,3-Dichlorobenzene	146	5.932	5.932	0.0	88	102125	20.6	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	84	104318	20.6	
96 Benzyl alcohol	108	6.189	6.189	0.0	91	59607	19.9	
97 1,2-Dichlorobenzene	146	6.226	6.226	0.0	89	96664	20.4	
98 2-Methylphenol	108	6.333	6.338	-0.005	93	85503	20.5	
99 2,2'-oxybis[1-chloropropane]	45	6.376	6.376	0.0	92	119748	20.7	
102 4-Methylphenol	108	6.536	6.541	-0.005	94	86344	20.5	
101 N-Nitrosodi-n-propylamine	70	6.541	6.547	-0.006	81	63850	20.1	
106 Hexachloroethane	117	6.669	6.669	0.0	95	36773	20.4	
107 Nitrobenzene	77	6.755	6.760	-0.005	78	91710	20.1	
110 Isophorone	82	7.070	7.075	-0.005	96	169197	20.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.172	7.172	0.0	90	45619	19.6	
112 2,4-Dimethylphenol	107	7.236	7.241	-0.005	95	90494	20.1	
113 Tetraethyl lead	237	7.289	7.289	0.0	88	29701	20.3	
115 Bis(2-chloroethoxy)methane	93	7.369	7.369	0.0	99	104078	20.2	
119 Benzoic acid	105	7.423	7.439	-0.016	77	415181	115.0	M
117 2,4-Dichlorophenol	162	7.481	7.487	-0.006	88	71619	20.3	
120 1,2,4-Trichlorobenzene	180	7.594	7.594	0.0	89	78248	20.4	
121 Naphthalene	128	7.695	7.695	0.0	90	264971	20.9	
123 4-Chloroaniline	127	7.775	7.775	0.0	95	108763	20.0	
126 Hexachlorobutadiene	225	7.861	7.861	0.0	89	41344	20.3	
131 4-Chloro-3-methylphenol	107	8.406	8.411	-0.005	91	78086	20.0	
133 2-Methylnaphthalene	142	8.593	8.598	-0.005	85	170964	20.7	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	90	44616	19.7	
139 2,4,6-Trichlorophenol	196	8.961	8.961	0.0	91	49503	20.3	
140 2,4,5-Trichlorophenol	196	9.004	9.004	0.0	88	53859	20.2	
143 2-Chloronaphthalene	162	9.218	9.218	0.0	98	162920	20.5	
145 2-Nitroaniline	65	9.357	9.362	-0.005	69	46524	20.0	
147 Dimethyl phthalate	163	9.608	9.613	-0.005	99	194323	20.7	
148 2,6-Dinitrotoluene	165	9.677	9.683	-0.005	86	39033	19.4	
149 Acenaphthylene	152	9.747	9.752	-0.005	83	262964	21.1	
150 3-Nitroaniline	138	9.891	9.896	-0.005	91	45909	19.6	
151 Acenaphthene	153	9.971	9.976	-0.005	94	161349	20.7	
152 2,4-Dinitrophenol	184	10.019	10.024	-0.005	50	8576	17.7	
153 4-Nitrophenol	109	10.115	10.115	0.0	84	21907	16.2	
154 2,4-Dinitrotoluene	165	10.179	10.185	-0.006	87	52251	19.7	
155 Dibenzofuran	168	10.185	10.190	-0.005	82	237769	21.5	
160 Diethyl phthalate	149	10.484	10.489	-0.005	96	191778	20.9	
161 Fluorene	166	10.596	10.596	0.0	81	184965	21.1	
162 4-Chlorophenyl phenyl ether	204	10.607	10.607	0.0	93	91959	21.2	
164 4-Nitroaniline	138	10.628	10.639	-0.011	85	50503	20.4	
166 4,6-Dinitro-2-methylphenol	198	10.660	10.665	-0.005	77	21449	18.8	
167 N-Nitrosodiphenylamine	169	10.746	10.746	0.0	91	131508	20.7	
168 1,2-Diphenylhydrazine	77	10.788	10.788	0.0	98	190508	20.9	
176 4-Bromophenyl phenyl ether	248	11.157	11.162	-0.005	96	52788	20.7	
177 Hexachlorobenzene	284	11.216	11.216	0.0	85	57507	20.6	
181 Pentachlorophenol	266	11.435	11.435	0.0	61	16678	17.4	
185 Phenanthrene	178	11.659	11.659	0.0	84	282661	21.5	
188 Anthracene	178	11.707	11.713	-0.006	87	282342	21.4	
189 Carbazole	167	11.878	11.884	-0.006	83	275267	21.5	
192 Di-n-butyl phthalate	149	12.231	12.236	-0.005	100	318665	21.1	
197 Fluoranthene	202	12.829	12.834	-0.005	99	305257	21.5	
198 Benzidine	184	12.957	12.963	-0.006	85	172933	20.3	
199 Pyrene	202	13.043	13.048	-0.005	95	313553	20.9	
205 Butyl benzyl phthalate	149	13.614	13.614	0.0	96	153033	21.1	
203 3,3'-Dimethylbenzidine	212	13.609	13.614	-0.005	94	169771	21.8	
208 3,3'-Dichlorobenzidine	252	14.084	14.090	-0.006	94	117305	21.0	
210 Bis(2-ethylhexyl) phthalate	149	14.101	14.106	-0.005	96	207992	21.0	
209 Benzo[a]anthracene	228	14.117	14.117	0.0	85	294455	21.0	
211 Chrysene	228	14.149	14.154	-0.005	83	300171	20.9	
212 Di-n-octyl phthalate	149	14.667	14.672	-0.005	99	338556	20.4	
213 Benzo[b]fluoranthene	252	15.100	15.105	-0.005	86	297799	21.1	
214 Benzo[k]fluoranthene	252	15.126	15.132	-0.006	86	340603	22.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.436	15.441	-0.005	85	263382	21.0	
219 Indeno[1,2,3-cd]pyrene	276	16.718	16.729	-0.011	76	326358	19.7	
220 Dibenz(a,h)anthracene	278	16.729	16.740	-0.011	44	286247	20.2	
221 Benzo[g,h,i]perylene	276	17.076	17.087	-0.011	75	281559	20.0	
S 78 3-Methylphenol	1				0		20.5	
S 222 Total Cresols	1				0		41.0	
S 77 3 & 4 Methylphenol	108				0		20.5	

QC Flag Legend

Review Flags
M - Manually Integrated

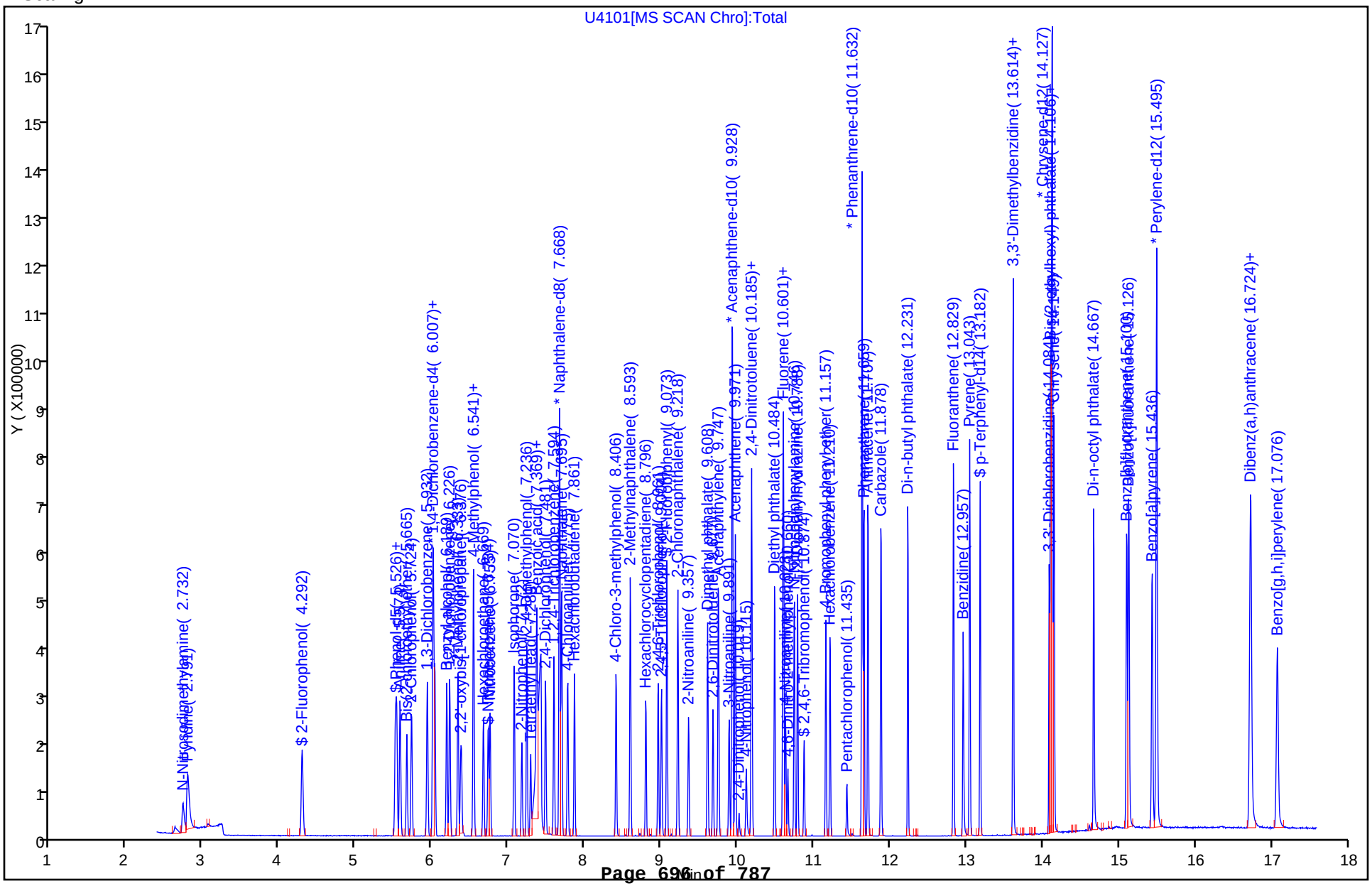
Report Date: 20-Nov-2012 16:31:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4101.D

Injection Date:	20-Nov-2012 10:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	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

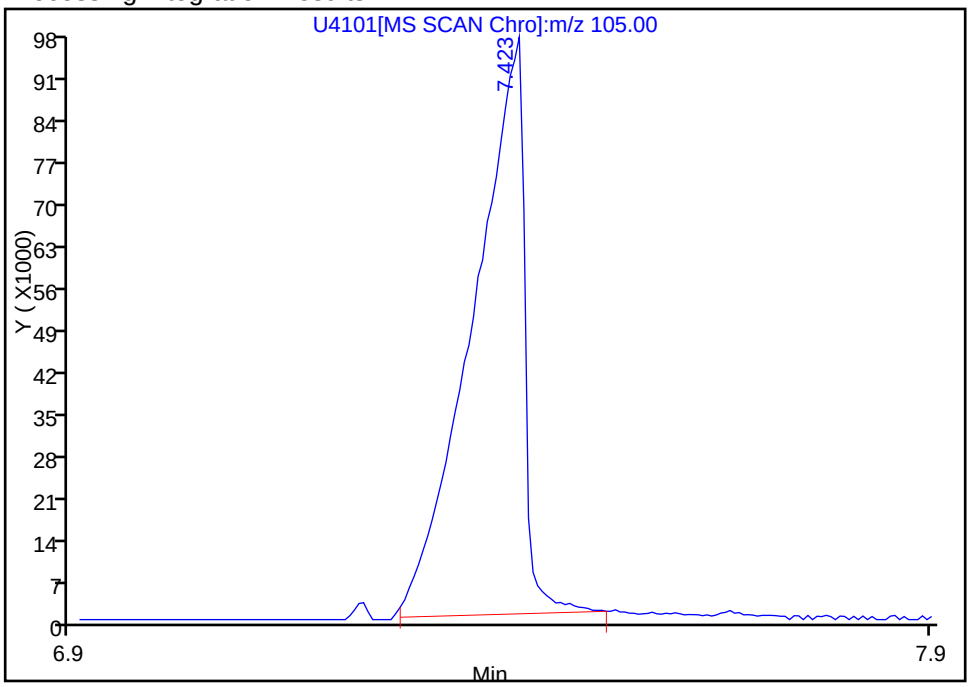
TestAmerica Buffalo

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Injection Date:	20-Nov-2012 10:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 7.44

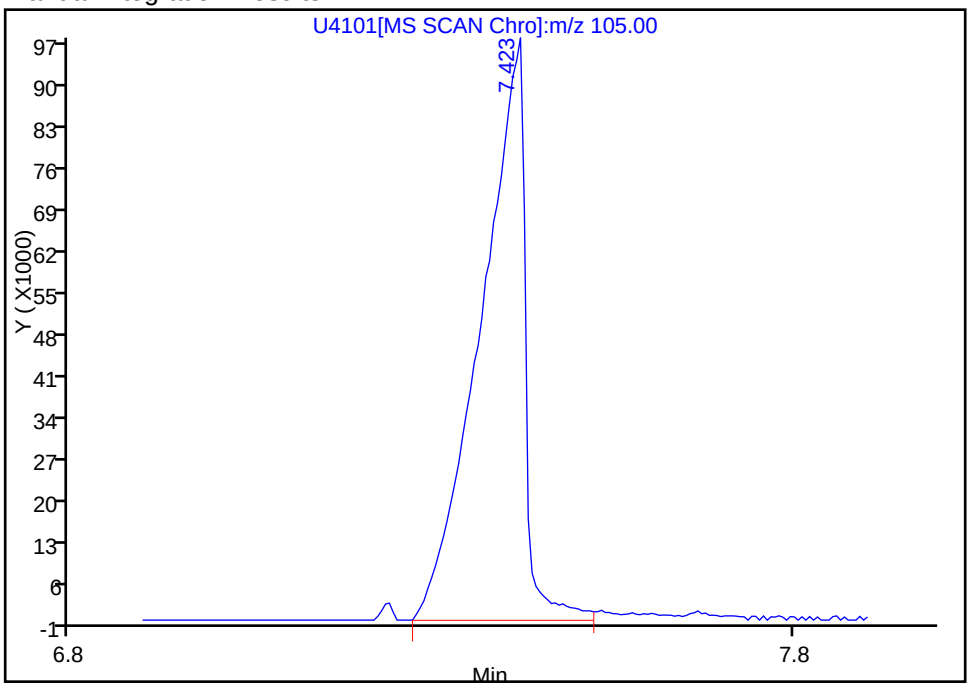
Processing Integration Results

RT: 7.42
Response: 401156
Amount: 115.2418



Manual Integration Results

RT: 7.42
Response: 415181
Amount: 114.9510



Reviewer: mcgoverna, 20-Nov-2012 12:02:30
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4102.D
Lims ID: ICIS - 50 PT Client ID:
Inject. Date: 20-Nov-2012 11:15:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 3
Sample ID: 480-0016804-004
Misc. Info.:
Operator: ANM Instrument ID: HP5973U
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 91840 Lims Sample ID: 4
Sublist: chrom-U-8270*sub21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m
Last Update: 20-Nov-2012 16:31:51 Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: mcgoverna Date: 20-Nov-2012 16:31:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.012	0.0	96	122518	40.0	
* 2 Naphthalene-d8	136	7.668	7.668	0.0	99	489322	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	92	287922	40.0	
* 4 Phenanthrene-d10	188	11.632	11.632	0.0	84	497045	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	72	510410	40.0	
* 6 Perylene-d12	264	15.500	15.500	0.0	78	572794	40.0	
$ 9 2-Fluorophenol	112	4.292	4.292	0.0	94	231964	50.8	
$ 10 Phenol-d5	99	5.516	5.516	0.0	89	273491	52.1	
$ 11 Nitrobenzene-d5	82	6.734	6.734	0.0	91	228066	51.8	
$ 12 2-Fluorobiphenyl	172	9.073	9.073	0.0	99	471579	51.6	
$ 13 2,4,6-Tribromophenol	330	10.874	10.874	0.0	95	67430	52.0	
$ 14 p-Terphenyl-d14	244	13.182	13.182	0.0	77	572241	51.6	
81 N-Nitrosodimethylamine	42	2.727	2.727	0.0	84	98358	51.2	
82 Pyridine	52	2.791	2.791	0.0	92	189184	51.3	
89 Phenol	94	5.537	5.537	0.0	98	289908	52.0	
90 Aniline	93	5.580	5.580	0.0	95	355479	50.7	
91 Bis(2-chloroethyl)ether	93	5.665	5.665	0.0	92	230534	50.9	
93 2-Chlorophenol	128	5.729	5.729	0.0	96	235369	51.1	
94 1,3-Dichlorobenzene	146	5.932	5.932	0.0	90	249746	50.7	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	84	256948	50.9	
96 Benzyl alcohol	108	6.189	6.189	0.0	92	154952	52.0	
97 1,2-Dichlorobenzene	146	6.226	6.226	0.0	89	238716	50.6	
98 2-Methylphenol	108	6.338	6.338	0.0	94	212645	51.1	
99 2,2'-oxybis[1-chloropropane]	45	6.376	6.376	0.0	91	295714	51.4	
102 4-Methylphenol	108	6.541	6.541	0.0	95	216509	51.7	
101 N-Nitrosodi-n-propylamine	70	6.547	6.547	0.0	82	160896	50.9	
106 Hexachloroethane	117	6.669	6.669	0.0	97	90983	50.7	
107 Nitrobenzene	77	6.760	6.760	0.0	82	236183	52.2	
110 Isophorone	82	7.075	7.075	0.0	95	424618	52.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.172	7.172	0.0	93	123304	50.9	
112 2,4-Dimethylphenol	107	7.241	7.241	0.0	95	231038	52.2	
113 Tetraethyl lead	237	7.289	7.289	0.0	89	74882	51.4	
115 Bis(2-chloroethoxy)methane	93	7.369	7.369	0.0	99	258008	50.5	
119 Benzoic acid	105	7.439	7.439	0.0	83	532260	148.4	M
117 2,4-Dichlorophenol	162	7.487	7.487	0.0	90	180923	51.6	
120 1,2,4-Trichlorobenzene	180	7.594	7.594	0.0	88	194143	50.9	
121 Naphthalene	128	7.695	7.695	0.0	96	650106	51.6	
123 4-Chloroaniline	127	7.775	7.775	0.0	93	278028	51.6	
126 Hexachlorobutadiene	225	7.861	7.861	0.0	92	103587	51.2	
131 4-Chloro-3-methylphenol	107	8.411	8.411	0.0	86	204947	52.4	
133 2-Methylnaphthalene	142	8.598	8.598	0.0	86	419851	51.2	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	85	119661	53.0	
139 2,4,6-Trichlorophenol	196	8.961	8.961	0.0	92	128570	52.1	
140 2,4,5-Trichlorophenol	196	9.004	9.004	0.0	91	139615	52.1	
143 2-Chloronaphthalene	162	9.218	9.218	0.0	98	402607	50.8	
145 2-Nitroaniline	65	9.362	9.362	0.0	84	123259	50.7	
147 Dimethyl phthalate	163	9.613	9.613	0.0	98	482257	51.5	
148 2,6-Dinitrotoluene	165	9.683	9.683	0.0	90	109329	51.4	
149 Acenaphthylene	152	9.752	9.752	0.0	84	651013	52.3	
150 3-Nitroaniline	138	9.896	9.896	0.0	91	126077	51.4	
151 Acenaphthene	153	9.976	9.976	0.0	94	401204	51.5	
152 2,4-Dinitrophenol	184	10.024	10.024	0.0	77	38630	43.3	
153 4-Nitrophenol	109	10.115	10.115	0.0	87	64461	47.7	
154 2,4-Dinitrotoluene	165	10.185	10.185	0.0	86	145392	53.0	
155 Dibenzofuran	168	10.190	10.190	0.0	82	566480	51.3	
160 Diethyl phthalate	149	10.489	10.489	0.0	97	492173	53.8	
161 Fluorene	166	10.596	10.596	0.0	82	451048	51.7	
162 4-Chlorophenyl phenyl ether	204	10.607	10.607	0.0	94	221373	51.1	
164 4-Nitroaniline	138	10.639	10.639	0.0	77	132460	51.6	
166 4,6-Dinitro-2-methylphenol	198	10.665	10.665	0.0	79	72843	47.3	
167 N-Nitrosodiphenylamine	169	10.746	10.746	0.0	90	322501	50.7	
168 1,2-Diphenylhydrazine	77	10.788	10.788	0.0	98	473411	51.9	
176 4-Bromophenyl phenyl ether	248	11.162	11.162	0.0	88	132641	51.9	
177 Hexachlorobenzene	284	11.216	11.216	0.0	85	142701	50.9	
181 Pentachlorophenol	266	11.435	11.435	0.0	80	65669	47.2	
185 Phenanthrene	178	11.659	11.659	0.0	87	679572	51.6	
188 Anthracene	178	11.713	11.713	0.0	87	693609	52.5	
189 Carbazole	167	11.884	11.884	0.0	83	653468	50.9	
192 Di-n-butyl phthalate	149	12.236	12.236	0.0	100	799557	52.9	
197 Fluoranthene	202	12.834	12.834	0.0	99	727381	51.2	
198 Benzidine	184	12.963	12.963	0.0	87	450519	54.3	
199 Pyrene	202	13.048	13.048	0.0	94	745891	51.0	
205 Butyl benzyl phthalate	149	13.614	13.614	0.0	97	379058	53.6	
203 3,3'-Dimethylbenzidine	212	13.614	13.614	0.0	80	412666	52.9	
208 3,3'-Dichlorobenzidine	252	14.090	14.090	0.0	94	291869	53.6	
210 Bis(2-ethylhexyl) phthalate	149	14.106	14.106	0.0	95	522204	54.1	
209 Benzo[a]anthracene	228	14.117	14.117	0.0	85	689038	50.3	
211 Chrysene	228	14.154	14.154	0.0	85	716520	51.2	
212 Di-n-octyl phthalate	149	14.672	14.672	0.0	99	880130	54.4	
213 Benzo[b]fluoranthene	252	15.105	15.105	0.0	84	773473	54.3	
214 Benzo[k]fluoranthene	252	15.132	15.132	0.0	85	799825	52.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.441	15.441	0.0	85	675167	53.4	
219 Indeno[1,2,3-cd]pyrene	276	16.729	16.729	0.0	79	882710	52.7	
220 Dibenz(a,h)anthracene	278	16.740	16.740	0.0	50	763075	53.4	
221 Benzo[g,h,i]perylene	276	17.087	17.087	0.0	78	756611	53.4	
S 78 3-Methylphenol	1				0		51.7	
S 222 Total Cresols	1				0		102.8	
S 77 3 & 4 Methylphenol	108				0		51.7	

QC Flag Legend

Review Flags
M - Manually Integrated

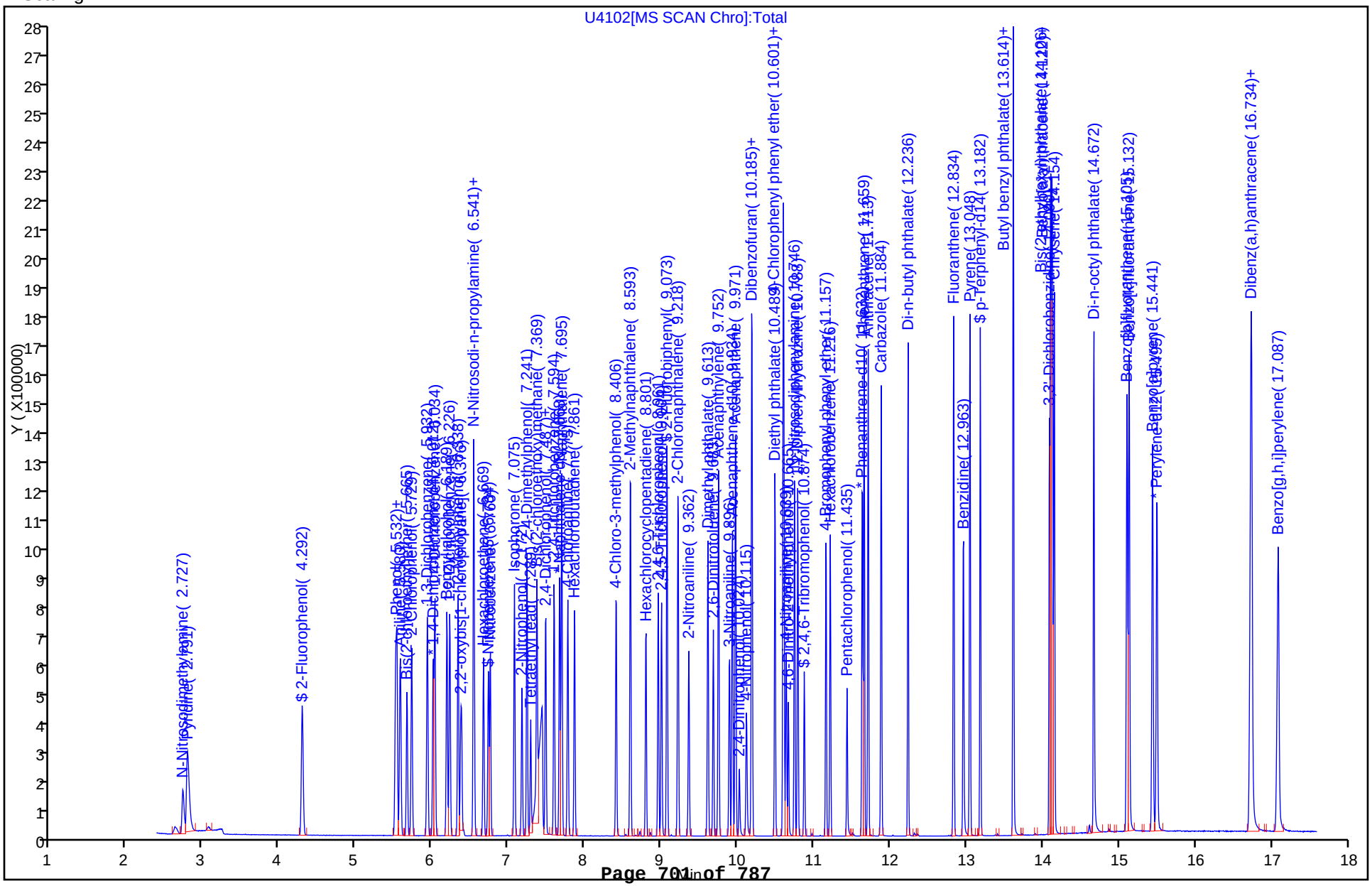
Report Date: 20-Nov-2012 16:31:52 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4102.D

Injection Date:	20-Nov-2012 11:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	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

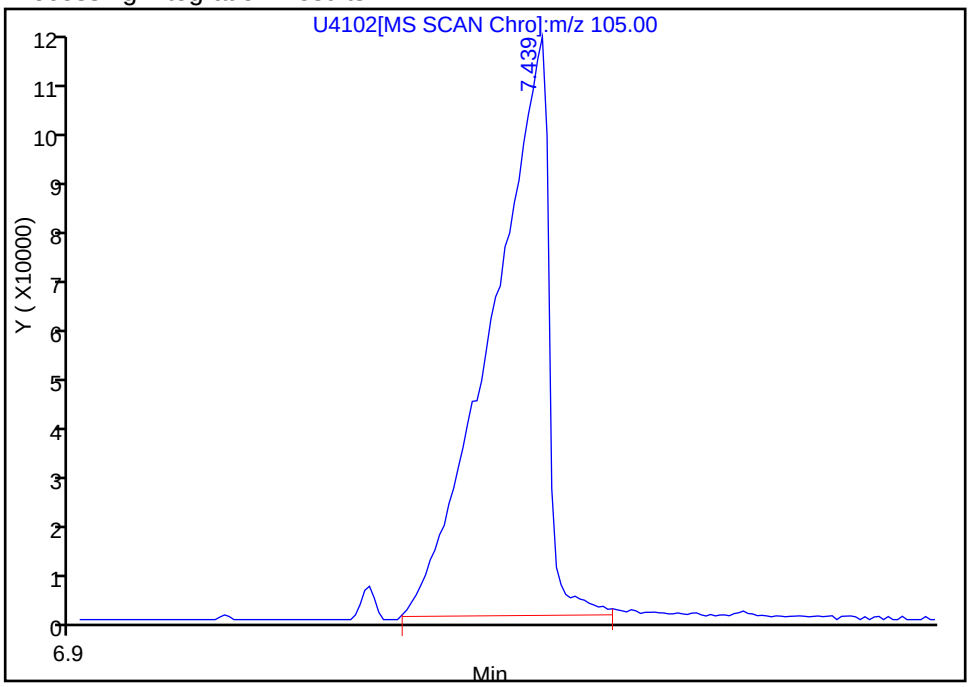
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4102.D		
Injection Date:	20-Nov-2012 11:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

119 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 7.44

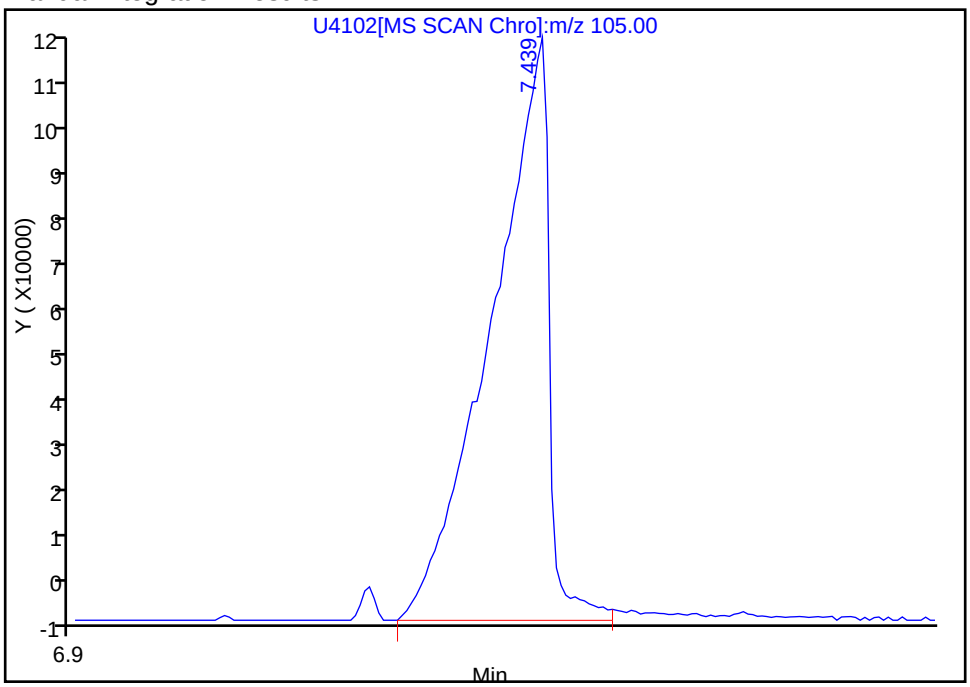
Processing Integration Results

RT: 7.44
Response: 520309
Amount: 144.2020



Manual Integration Results

RT: 7.44
Response: 532260
Amount: 148.3942



Reviewer: mcgoverna, 20-Nov-2012 13:23:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4103.D		
Lims ID:	IC - 80 PT	Client ID:	
Inject. Date:	20-Nov-2012 11:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0016804-005		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	91840	Lims Sample ID:	5
Sublist:	chrom-U-8270*sub21		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:31:54	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: mcgoverna Date: 20-Nov-2012 16:31:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.012	0.0	97	125383	40.0	
* 2 Naphthalene-d8	136	7.669	7.668	0.001	99	503750	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	92	294883	40.0	
* 4 Phenanthrene-d10	188	11.638	11.632	0.006	97	499655	40.0	
* 5 Chrysene-d12	240	14.133	14.127	0.006	76	508080	40.0	
* 6 Perylene-d12	264	15.500	15.500	0.0	78	619718	40.0	
$ 9 2-Fluorophenol	112	4.298	4.292	0.006	95	381607	81.7	
$ 10 Phenol-d5	99	5.521	5.516	0.005	86	442432	82.3	
$ 11 Nitrobenzene-d5	82	6.739	6.734	0.005	90	377156	83.3	
$ 12 2-Fluorobiphenyl	172	9.079	9.073	0.006	99	748003	79.8	
$ 13 2,4,6-Tribromophenol	330	10.879	10.874	0.005	92	112021	85.9	
$ 14 p-Terphenyl-d14	244	13.187	13.182	0.005	78	887554	80.4	
81 N-Nitrosodimethylamine	42	2.732	2.727	0.005	84	163265	83.1	
82 Pyridine	52	2.796	2.791	0.005	93	308913	81.8	
89 Phenol	94	5.542	5.537	0.005	97	468308	82.5	
90 Aniline	93	5.585	5.580	0.005	95	577466	80.5	
91 Bis(2-chloroethyl)ether	93	5.671	5.665	0.006	92	371762	80.3	
93 2-Chlorophenol	128	5.729	5.729	0.0	96	384675	81.6	
94 1,3-Dichlorobenzene	146	5.938	5.932	0.006	94	403248	80.0	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	87	408931	79.1	
96 Benzyl alcohol	108	6.194	6.189	0.005	91	251189	82.4	
97 1,2-Dichlorobenzene	146	6.231	6.226	0.005	83	383232	79.5	
98 2-Methylphenol	108	6.338	6.338	0.0	96	343348	80.7	
99 2,2'-oxybis[1-chloropropane]	45	6.381	6.376	0.005	91	468766	79.6	
102 4-Methylphenol	108	6.547	6.541	0.006	95	345151	80.5	
101 N-Nitrosodi-n-propylamine	70	6.552	6.547	0.005	78	261270	80.8	
106 Hexachloroethane	117	6.670	6.669	0.001	97	149647	81.4	
107 Nitrobenzene	77	6.760	6.760	0.0	83	381469	81.9	
110 Isophorone	82	7.081	7.075	0.006	95	680695	81.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.177	7.172	0.005	92	201939	80.2	
112 2,4-Dimethylphenol	107	7.241	7.241	0.0	95	371434	81.7	
113 Tetraethyl lead	237	7.289	7.289	0.0	91	121091	80.8	
115 Bis(2-chloroethoxy)methane	93	7.375	7.369	0.006	99	414242	78.7	
119 Benzoic acid	105	7.482	7.439	0.043	82	903400	244.7	
117 2,4-Dichlorophenol	162	7.487	7.487	0.0	91	289602	80.3	
120 1,2,4-Trichlorobenzene	180	7.599	7.594	0.005	91	310336	79.1	
121 Naphthalene	128	7.695	7.695	0.0	98	1015336	78.3	
123 4-Chloroaniline	127	7.775	7.775	0.0	93	449649	81.1	
126 Hexachlorobutadiene	225	7.866	7.861	0.005	91	168184	80.8	
131 4-Chloro-3-methylphenol	107	8.411	8.411	0.0	87	330017	81.8	
133 2-Methylnaphthalene	142	8.598	8.598	0.0	85	666649	79.0	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	88	198123	85.6	
139 2,4,6-Trichlorophenol	196	8.961	8.961	0.0	93	207500	81.8	
140 2,4,5-Trichlorophenol	196	9.004	9.004	0.0	92	230541	83.8	
143 2-Chloronaphthalene	162	9.223	9.218	0.005	98	649203	80.0	
145 2-Nitroaniline	65	9.367	9.362	0.005	83	207229	82.2	
147 Dimethyl phthalate	163	9.618	9.613	0.005	98	773130	80.5	
148 2,6-Dinitrotoluene	165	9.688	9.683	0.006	91	180907	81.9	
149 Acenaphthylene	152	9.752	9.752	0.0	84	1033266	81.0	
150 3-Nitroaniline	138	9.902	9.896	0.006	92	209799	82.6	
151 Acenaphthene	153	9.976	9.976	0.0	94	635053	79.6	
152 2,4-Dinitrophenol	184	10.030	10.024	0.006	81	81483	78.1	
153 4-Nitrophenol	109	10.121	10.115	0.006	89	109290	79.0	
154 2,4-Dinitrotoluene	165	10.190	10.185	0.005	65	234308	82.8	
155 Dibenzofuran	168	10.190	10.190	0.0	82	877634	77.6	
160 Diethyl phthalate	149	10.495	10.489	0.006	97	754315	80.5	
161 Fluorene	166	10.601	10.596	0.005	82	710526	79.5	
162 4-Chlorophenyl phenyl ether	204	10.612	10.607	0.005	94	346701	78.2	
164 4-Nitroaniline	138	10.644	10.639	0.005	77	213797	80.6	
166 4,6-Dinitro-2-methylphenol	198	10.676	10.665	0.011	78	129116	78.1	
167 N-Nitrosodiphenylamine	169	10.751	10.746	0.005	90	519259	81.2	
168 1,2-Diphenylhydrazine	77	10.794	10.788	0.006	98	750819	80.4	
176 4-Bromophenyl phenyl ether	248	11.162	11.162	0.0	88	207734	80.8	
177 Hexachlorobenzene	284	11.221	11.216	0.005	86	224972	79.9	
181 Pentachlorophenol	266	11.440	11.435	0.005	81	117889	78.6	
185 Phenanthrene	178	11.665	11.659	0.006	83	1041145	78.7	
188 Anthracene	178	11.718	11.713	0.005	87	1066284	80.3	
189 Carbazole	167	11.889	11.884	0.005	94	1017149	78.8	
192 Di-n-butyl phthalate	149	12.236	12.236	0.0	100	1250755	82.3	
197 Fluoranthene	202	12.834	12.834	0.0	83	1120209	78.5	
198 Benzidine	184	12.963	12.963	0.0	87	725329	87.8	
199 Pyrene	202	13.048	13.048	0.0	94	1164520	80.0	
205 Butyl benzyl phthalate	149	13.620	13.614	0.006	96	588838	83.7	
203 3,3'-Dimethylbenzidine	212	13.614	13.614	0.0	81	644884	82.2	
208 3,3'-Dichlorobenzidine	252	14.090	14.090	0.0	92	460237	84.9	
210 Bis(2-ethylhexyl) phthalate	149	14.106	14.106	0.0	95	810904	84.4	
209 Benzo[a]anthracene	228	14.122	14.117	0.005	85	1078212	79.1	
211 Chrysene	228	14.154	14.154	0.0	85	1100625	78.9	
212 Di-n-octyl phthalate	149	14.672	14.672	0.0	99	1420992	88.2	
213 Benzo[b]fluoranthene	252	15.110	15.105	0.005	84	1268117	82.3	
214 Benzo[k]fluoranthene	252	15.137	15.132	0.005	83	1255703	76.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.447	15.441	0.006	84	1131418	82.8	
219 Indeno[1,2,3-cd]pyrene	276	16.740	16.729	0.011	75	1524402	84.1	
220 Dibenz(a,h)anthracene	278	16.750	16.740	0.010	52	1278218	82.6	
221 Benzo[g,h,i]perylene	276	17.098	17.087	0.011	76	1287180	83.9	
S 78 3-Methylphenol	1				0		80.5	
S 222 Total Cresols	1				0		161.2	
S 77 3 & 4 Methylphenol	108				0		80.5	

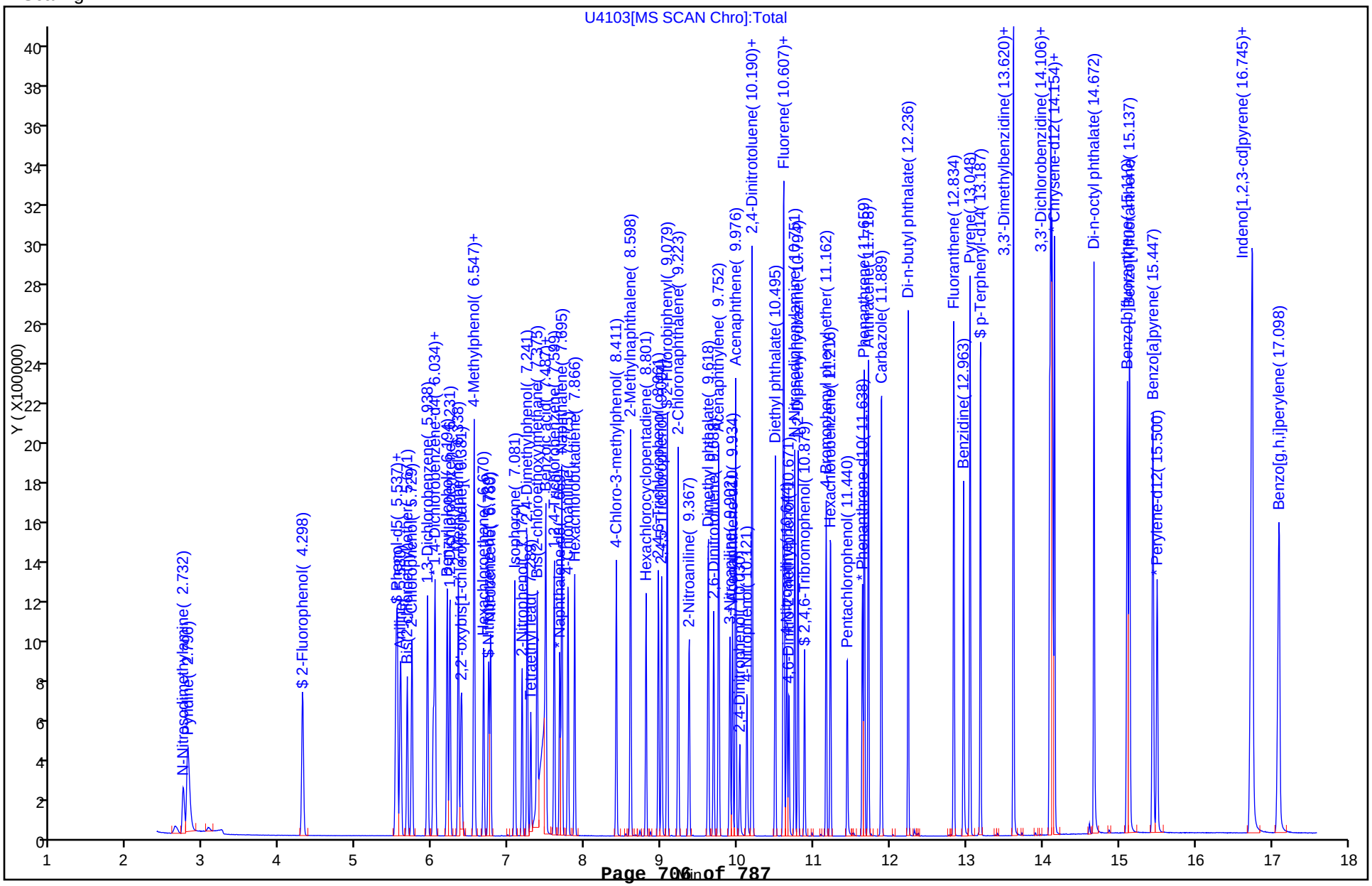
Report Date: 20-Nov-2012 16:31:54 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4103.D

Injection Date:	20-Nov-2012 11:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4104.D		
Lims ID:	IC - 120 PT	Client ID:	
Inject. Date:	20-Nov-2012 12:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0016804-006		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	91840	Lims Sample ID:	6
Sublist:	chrom-U-8270*sub21		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:31:56	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		

First Level Reviewer: mcgoverna Date: 20-Nov-2012 16:31:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.012	6.012	0.0	96	125197	40.0	
* 2 Naphthalene-d8	136	7.674	7.668	0.006	99	506477	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	88	302358	40.0	
* 4 Phenanthrene-d10	188	11.638	11.632	0.006	98	504534	40.0	
* 5 Chrysene-d12	240	14.133	14.127	0.006	69	515019	40.0	
* 6 Perylene-d12	264	15.500	15.500	0.0	78	667213	40.0	
$ 9 2-Fluorophenol	112	4.298	4.292	0.006	95	564545	121.0	
$ 10 Phenol-d5	99	5.526	5.516	0.010	88	644149	120.1	
$ 11 Nitrobenzene-d5	82	6.739	6.734	0.005	91	559668	122.9	
$ 12 2-Fluorobiphenyl	172	9.079	9.073	0.006	99	1073199	111.7	
$ 13 2,4,6-Tribromophenol	330	10.879	10.874	0.005	93	168381	127.8	
$ 14 p-Terphenyl-d14	244	13.187	13.182	0.005	77	1248922	111.5	
81 N-Nitrosodimethylamine	42	2.727	2.727	0.0	84	241119	122.8	
82 Pyridine	52	2.791	2.791	0.0	91	452874	120.0	
89 Phenol	94	5.542	5.537	0.005	98	682753	120.8	
90 Aniline	93	5.585	5.580	0.005	95	844887	118.0	
91 Bis(2-chloroethyl)ether	93	5.671	5.665	0.005	92	542521	117.3	
93 2-Chlorophenol	128	5.735	5.729	0.006	96	562254	119.4	
94 1,3-Dichlorobenzene	146	5.938	5.932	0.006	88	583766	116.0	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	85	591550	114.7	
96 Benzyl alcohol	108	6.199	6.189	0.010	92	370672	121.8	
97 1,2-Dichlorobenzene	146	6.231	6.226	0.005	81	560303	116.3	
98 2-Methylphenol	108	6.344	6.338	0.006	96	502238	118.2	
99 2,2'-oxybis[1-chloropropane]	45	6.381	6.376	0.005	91	675976	114.9	
102 4-Methylphenol	108	6.552	6.541	0.011	94	497179	116.1	
101 N-Nitrosodi-n-propylamine	70	6.557	6.547	0.010	78	384210	118.9	
106 Hexachloroethane	117	6.670	6.669	0.001	98	218557	119.1	
107 Nitrobenzene	77	6.766	6.760	0.006	83	563205	120.2	
110 Isophorone	82	7.086	7.075	0.011	95	1003864	118.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.177	7.172	0.005	93	310033	121.7	
112 2,4-Dimethylphenol	107	7.246	7.241	0.005	95	542799	118.9	
113 Tetraethyl lead	237	7.289	7.289	0.0	91	174655	115.9	
115 Bis(2-chloroethoxy)methane	93	7.375	7.369	0.006	100	602875	113.9	
119 Benzoic acid	105	7.519	7.439	0.080	85	1411418	380.2	
117 2,4-Dichlorophenol	162	7.492	7.487	0.005	91	422660	116.6	
120 1,2,4-Trichlorobenzene	180	7.599	7.594	0.005	87	452597	114.7	
121 Naphthalene	128	7.701	7.695	0.006	98	1464277	112.3	
123 4-Chloroaniline	127	7.781	7.775	0.006	93	660775	118.5	
126 Hexachlorobutadiene	225	7.866	7.861	0.005	93	243206	116.2	
131 4-Chloro-3-methylphenol	107	8.411	8.411	0.0	87	485348	119.6	
133 2-Methylnaphthalene	142	8.598	8.598	0.0	85	965303	113.7	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	88	297612	125.5	
139 2,4,6-Trichlorophenol	196	8.967	8.961	0.006	93	313408	120.2	
140 2,4,5-Trichlorophenol	196	9.009	9.004	0.005	91	332079	117.6	
143 2-Chloronaphthalene	162	9.223	9.218	0.005	98	956010	114.9	
145 2-Nitroaniline	65	9.367	9.362	0.005	83	308105	118.6	
147 Dimethyl phthalate	163	9.618	9.613	0.005	98	1139761	115.8	
148 2,6-Dinitrotoluene	165	9.693	9.683	0.011	91	272099	119.3	
149 Acenaphthylene	152	9.757	9.752	0.005	84	1478258	113.0	
150 3-Nitroaniline	138	9.907	9.896	0.011	92	311927	119.2	
151 Acenaphthene	153	9.976	9.976	0.0	94	924251	113.0	
152 2,4-Dinitrophenol	184	10.035	10.024	0.011	83	137507	121.8	
153 4-Nitrophenol	109	10.131	10.115	0.016	87	170973	120.6	
154 2,4-Dinitrotoluene	165	10.195	10.185	0.010	83	345611	118.6	
155 Dibenzofuran	168	10.195	10.190	0.005	82	1259197	108.6	
160 Diethyl phthalate	149	10.500	10.489	0.011	97	1078645	112.3	
161 Fluorene	166	10.601	10.596	0.005	82	1011932	110.4	
162 4-Chlorophenyl phenyl ether	204	10.612	10.607	0.005	95	494194	108.7	
164 4-Nitroaniline	138	10.655	10.639	0.016	70	325830	119.2	
166 4,6-Dinitro-2-methylphenol	198	10.682	10.665	0.017	76	210054	121.7	
167 N-Nitrosodiphenylamine	169	10.756	10.746	0.010	90	758222	117.4	
168 1,2-Diphenylhydrazine	77	10.794	10.788	0.006	98	1089471	113.8	
176 4-Bromophenyl phenyl ether	248	11.162	11.162	0.0	92	302522	116.5	
177 Hexachlorobenzene	284	11.221	11.216	0.005	85	326369	114.7	
181 Pentachlorophenol	266	11.440	11.435	0.005	81	190129	121.2	
185 Phenanthrene	178	11.665	11.659	0.005	87	1464036	109.6	
188 Anthracene	178	11.718	11.713	0.005	83	1485795	110.8	
189 Carbazole	167	11.889	11.884	0.005	95	1479435	113.5	
192 Di-n-butyl phthalate	149	12.236	12.236	0.0	100	1790997	116.7	
197 Fluoranthene	202	12.840	12.834	0.006	82	1617344	112.2	
198 Benzidine	184	12.963	12.963	0.0	87	1061267	126.7	
199 Pyrene	202	13.053	13.048	0.005	94	1633666	110.7	
205 Butyl benzyl phthalate	149	13.620	13.614	0.006	96	840668	117.9	
203 3,3'-Dimethylbenzidine	212	13.620	13.614	0.006	80	919745	116.1	
208 3,3'-Dichlorobenzidine	252	14.095	14.090	0.005	94	660299	120.2	
210 Bis(2-ethylhexyl) phthalate	149	14.106	14.106	0.0	94	1153959	118.5	
209 Benzo[a]anthracene	228	14.122	14.117	0.005	86	1546467	111.9	
211 Chrysene	228	14.159	14.154	0.005	85	1586212	112.2	
212 Di-n-octyl phthalate	149	14.672	14.672	0.0	99	2064705	126.4	
213 Benzo[b]fluoranthene	252	15.116	15.105	0.011	80	1782903	107.4	
214 Benzo[k]fluoranthene	252	15.142	15.132	0.010	81	1946589	109.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.452	15.441	0.011	79	1733414	117.8	
219 Indeno[1,2,3-cd]pyrene	276	16.745	16.729	0.016	78	2426649	124.4	
220 Dibenz(a,h)anthracene	278	16.761	16.740	0.021	46	2030402	121.9	
221 Benzo[g,h,i]perylene	276	17.114	17.087	0.027	79	2024335	122.6	
S 78 3-Methylphenol	1				0		116.1	
S 222 Total Cresols	1				0		234.3	
S 77 3 & 4 Methylphenol	108				0		116.1	

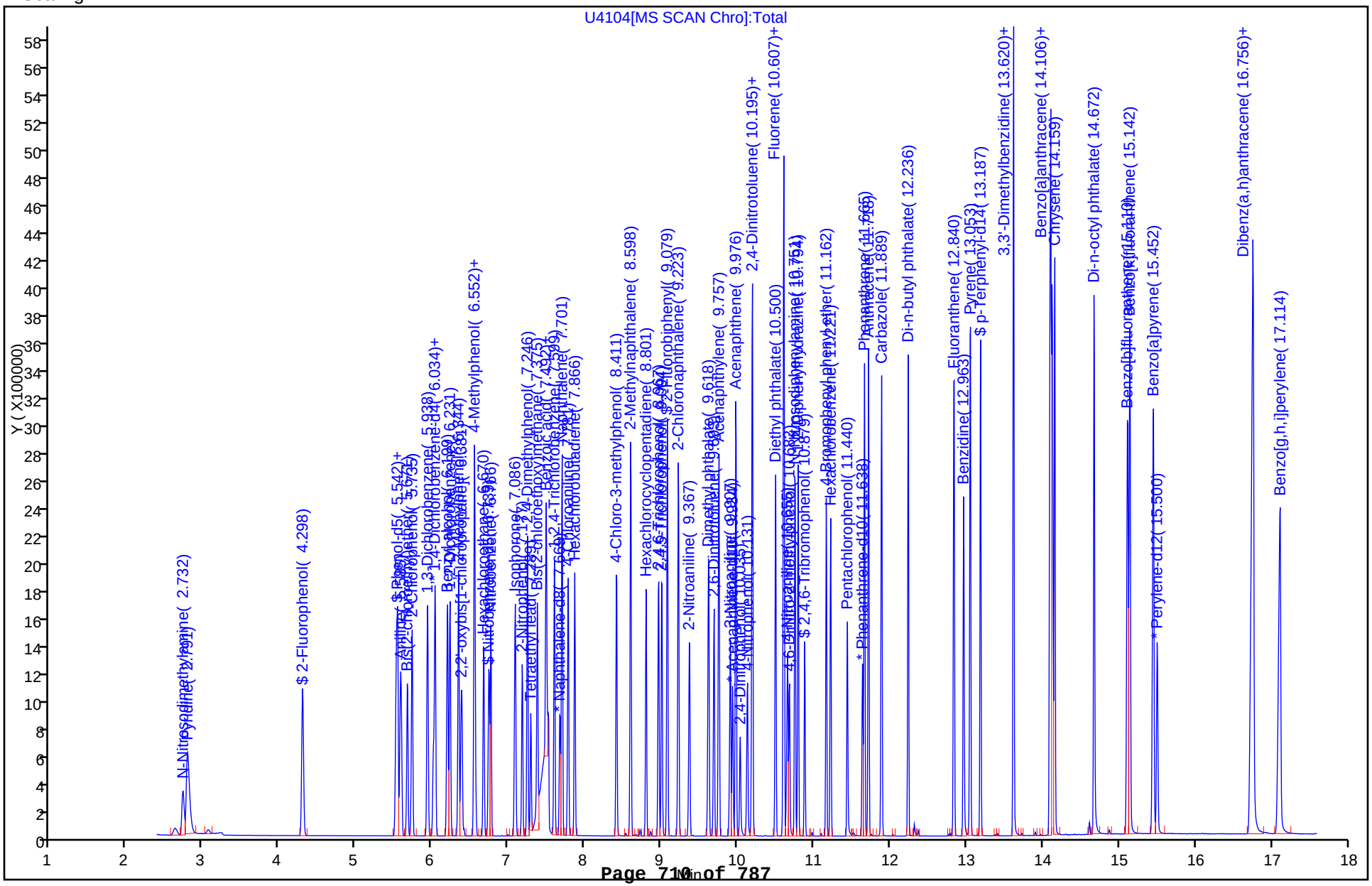
Report Date: 20-Nov-2012 16:31:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4104.D

Injection Date:	20-Nov-2012 12:04:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4105.D
Lims ID: IC - 160 PT
Client ID:
Inject. Date: 20-Nov-2012 12:27:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 6
Sample ID: 480-0016804-007
Misc. Info.:
Operator: ANM
Instrument ID: HP5973U
Injection Vol: 1.0 ul
ALS Bottle#: 8
Lims Batch ID: 91840
Lims Sample ID: 7
Sublist: chrom-U-8270*sub21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m
Last Update: 20-Nov-2012 16:31:59
Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Column Type: RXI-5Sil MS
Column Dia: 0.25 mm
Process Host: XAWRK010

First Level Reviewer: mcgoverna
Date: 20-Nov-2012 16:31:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.013	6.012	0.0	96	125037	40.0	
* 2 Naphthalene-d8	136	7.674	7.668	0.006	99	502366	40.0	
* 3 Acenaphthene-d10	164	9.939	9.934	0.005	86	298075	40.0	
* 4 Phenanthrene-d10	188	11.638	11.632	0.006	84	495133	40.0	
* 5 Chrysene-d12	240	14.138	14.127	0.011	64	502638	40.0	
* 6 Perylene-d12	264	15.506	15.500	0.006	78	674616	40.0	
$ 9 2-Fluorophenol	112	4.303	4.292	0.011	94	730440	156.8	
$ 10 Phenol-d5	99	5.532	5.516	0.016	92	832850	155.4	
$ 11 Nitrobenzene-d5	82	6.744	6.734	0.010	92	731211	161.9	
$ 12 2-Fluorobiphenyl	172	9.079	9.073	0.006	99	1362721	143.9	
$ 13 2,4,6-Tribromophenol	330	10.885	10.874	0.011	93	214626	166.0	
$ 14 p-Terphenyl-d14	244	13.187	13.182	0.005	77	1576219	144.2	
81 N-Nitrosodimethylamine	42	2.732	2.727	0.005	85	315320	160.8	
82 Pyridine	52	2.796	2.791	0.005	91	591676	157.0	
89 Phenol	94	5.548	5.537	0.011	98	870366	154.4	
90 Aniline	93	5.585	5.580	0.005	86	1103874	154.4	
91 Bis(2-chloroethyl)ether	93	5.676	5.665	0.011	87	696767	150.9	
93 2-Chlorophenol	128	5.735	5.729	0.006	96	728323	154.9	
94 1,3-Dichlorobenzene	146	5.938	5.932	0.006	88	746895	148.5	
95 1,4-Dichlorobenzene	146	6.034	6.034	0.0	90	762558	148.0	
96 Benzyl alcohol	108	6.199	6.189	0.010	91	482020	158.6	
97 1,2-Dichlorobenzene	146	6.232	6.226	0.006	83	716383	148.9	
98 2-Methylphenol	108	6.344	6.338	0.006	97	650315	153.2	
99 2,2'-oxybis[1-chloropropane]	45	6.386	6.376	0.010	90	867794	147.7	
102 4-Methylphenol	108	6.557	6.541	0.016	95	645652	151.0	
101 N-Nitrosodi-n-propylamine	70	6.563	6.547	0.016	79	501510	155.4	
106 Hexachloroethane	117	6.670	6.669	0.001	98	282368	154.1	
107 Nitrobenzene	77	6.771	6.760	0.011	83	730430	157.2	
110 Isophorone	82	7.092	7.075	0.017	94	1298502	155.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.182	7.172	0.010	92	399347	157.7	
112 2,4-Dimethylphenol	107	7.252	7.241	0.011	96	711715	157.3	
113 Tetraethyl lead	237	7.289	7.289	0.0	91	224790	150.4	
115 Bis(2-chloroethoxy)methane	93	7.380	7.369	0.011	100	781528	148.9	
119 Benzoic acid	105	7.551	7.439	0.112	84	1884777	511.8	
117 2,4-Dichlorophenol	162	7.492	7.487	0.005	92	546096	151.8	
120 1,2,4-Trichlorobenzene	180	7.599	7.594	0.005	86	586635	149.9	
121 Naphthalene	128	7.701	7.695	0.006	98	1854483	143.4	
123 4-Chloroaniline	127	7.781	7.775	0.006	93	854877	154.5	
126 Hexachlorobutadiene	225	7.866	7.861	0.005	92	316928	152.6	
131 4-Chloro-3-methylphenol	107	8.417	8.411	0.006	87	630187	156.4	
133 2-Methylnaphthalene	142	8.604	8.598	0.006	85	1233144	146.4	
136 Hexachlorocyclopentadiene	237	8.801	8.801	0.0	88	391248	167.3	
139 2,4,6-Trichlorophenol	196	8.967	8.961	0.006	93	400983	155.9	
140 2,4,5-Trichlorophenol	196	9.010	9.004	0.006	91	436219	156.6	
143 2-Chloronaphthalene	162	9.229	9.218	0.011	98	1199475	146.2	
145 2-Nitroaniline	65	9.373	9.362	0.011	83	407493	158.6	
147 Dimethyl phthalate	163	9.624	9.613	0.011	98	1453162	149.8	
148 2,6-Dinitrotoluene	165	9.699	9.683	0.017	91	356268	157.9	
149 Acenaphthylene	152	9.757	9.752	0.005	85	1874752	145.4	
150 3-Nitroaniline	138	9.912	9.896	0.016	92	406849	157.2	
151 Acenaphthene	153	9.982	9.976	0.006	94	1172897	145.4	
152 2,4-Dinitrophenol	184	10.041	10.024	0.017	82	190678	167.0	
153 4-Nitrophenol	109	10.137	10.115	0.022	87	225771	161.5	
154 2,4-Dinitrotoluene	165	10.201	10.185	0.016	85	449782	156.2	
155 Dibenzofuran	168	10.195	10.190	0.005	83	1620430	141.8	
160 Diethyl phthalate	149	10.505	10.489	0.016	97	1369708	144.7	
161 Fluorene	166	10.607	10.596	0.011	82	1292437	143.0	
162 4-Chlorophenyl phenyl ether	204	10.612	10.607	0.005	94	626484	139.8	
164 4-Nitroaniline	138	10.666	10.639	0.027	69	428562	158.6	
166 4,6-Dinitro-2-methylphenol	198	10.687	10.665	0.022	71	280295	163.0	
167 N-Nitrosodiphenylamine	169	10.756	10.746	0.010	90	964378	152.2	
168 1,2-Diphenylhydrazine	77	10.799	10.788	0.011	98	1383689	146.6	
176 4-Bromophenyl phenyl ether	248	11.168	11.162	0.006	88	383782	150.6	
177 Hexachlorobenzene	284	11.227	11.216	0.011	85	414923	148.6	
181 Pentachlorophenol	266	11.440	11.435	0.005	80	256273	163.8	
185 Phenanthrene	178	11.665	11.659	0.006	87	1815536	138.5	
188 Anthracene	178	11.723	11.713	0.010	84	1860670	141.4	
189 Carbazole	167	11.894	11.884	0.010	95	1877446	146.8	
192 Di-n-butyl phthalate	149	12.242	12.236	0.006	100	2233168	148.3	
197 Fluoranthene	202	12.840	12.834	0.006	98	2030561	143.6	
198 Benzidine	184	12.968	12.963	0.005	87	1332773	163.1	
199 Pyrene	202	13.054	13.048	0.006	93	2085217	144.8	
205 Butyl benzyl phthalate	149	13.620	13.614	0.006	96	1061035	152.5	
203 3,3'-Dimethylbenzidine	212	13.620	13.614	0.006	89	1169789	150.5	
208 3,3'-Dichlorobenzidine	252	14.095	14.090	0.005	93	836998	156.1	
210 Bis(2-ethylhexyl) phthalate	149	14.106	14.106	0.0	95	1454472	153.0	
209 Benzo[a]anthracene	228	14.127	14.117	0.010	86	1978071	146.7	
211 Chrysene	228	14.159	14.154	0.005	85	1975136	143.2	
212 Di-n-octyl phthalate	149	14.678	14.672	0.006	99	2615720	164.1	
213 Benzo[b]fluoranthene	252	15.121	15.105	0.016	79	2304516	137.3	
214 Benzo[k]fluoranthene	252	15.148	15.132	0.016	78	2566160	142.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.458	15.441	0.017	83	2200544	147.9	
219 Indeno[1,2,3-cd]pyrene	276	16.756	16.729	0.027	75	3094508	156.9	
220 Dibenz(a,h)anthracene	278	16.772	16.740	0.032	49	2591973	153.9	
221 Benzo[g,h,i]perylene	276	17.124	17.087	0.037	78	2519340	150.9	
S 78 3-Methylphenol	1				0		151.0	
S 222 Total Cresols	1				0		304.2	
S 77 3 & 4 Methylphenol	108				0		151.0	

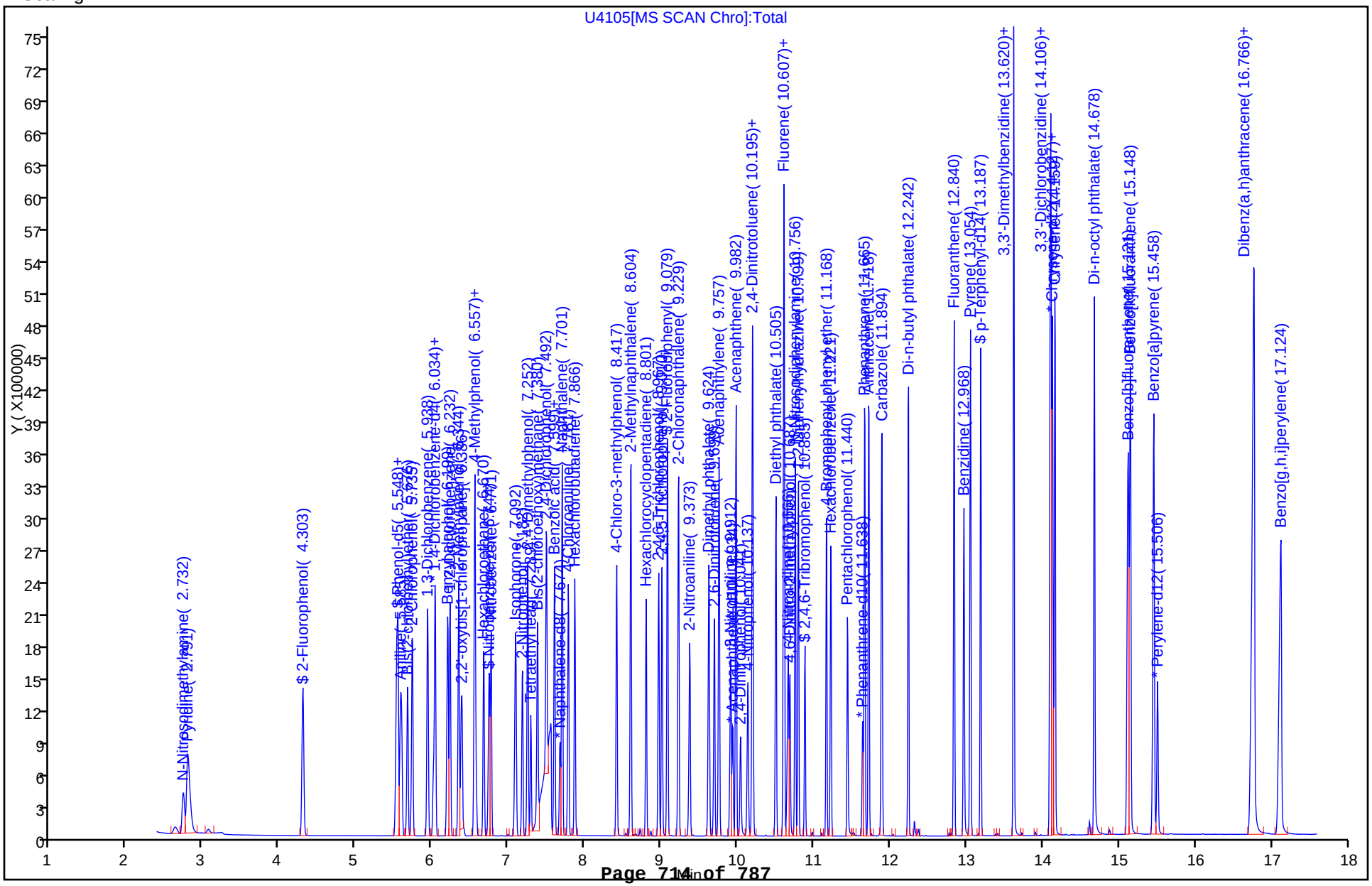
Report Date: 20-Nov-2012 16:31:59 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4105.D

Injection Date:	20-Nov-2012 12:27:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	7
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 13:17 Calibration End Date: 11/20/2012 15:16 Calibration ID: 11258

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-91840/8	U4106.D
Level 2	IC 480-91840/9	U4107.D
Level 3	IC 480-91840/10	U4108.D
Level 4	IC 480-91840/11	U4109.D
Level 5	IC 480-91840/12	U4110.D
Level 6	IC 480-91840/13	U4111.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								
Benzaldehyde	1.0698 0.9680	1.0869	1.0583	1.0387	0.9879	Ave		1.0349				4.6		15.0			
Acetophenone	1.9162 1.7261	2.0175	1.9516	1.9242	1.7823	Ave		1.8863				5.8		15.0			
Caprolactam	0.0788 0.1141	0.1055	0.1168	0.1191	0.1166	Ave		0.1085				14.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.5445 0.4319	0.5223	0.4951	0.4826	0.4375	Ave		0.4856				9.3		15.0			
Biphenyl	1.5406 1.2083	1.5139	1.4348	1.3840	1.2462	Ave		1.3880				9.9		15.0			
2,3,4,6-Tetrachlorophenol	0.1440 0.2429	0.2069	0.2413	0.2485	0.2417	Lin1	-0.552	0.2482							0.9990		0.9900
Atrazine	0.3048 0.3196	0.3566	0.3380	0.3390	0.3200	Ave		0.3297				5.6		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1 Analy Batch No.: 91840

SDG No.:

Instrument ID: HP5973U GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/20/2012 13:17 Calibration End Date: 11/20/2012 15:16 Calibration ID: 11258

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-91840/8	U4106.D
Level 2	IC 480-91840/9	U4107.D
Level 3	IC 480-91840/10	U4108.D
Level 4	IC 480-91840/11	U4109.D
Level 5	IC 480-91840/12	U4110.D
Level 6	IC 480-91840/13	U4111.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	17040 526531	67625	168390	262852	399601	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	30521 938928	125531	310533	486938	720895	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Ave	4835 246623	26509	73753	119599	187235	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	19270 542411	75459	181411	283314	414708	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	54528 1517577	218735	525756	812453	1181273	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	5097 305039	29900	88425	145904	229113	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	10789 401417	51518	123842	199001	303339	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4106.D		
Lims ID:	IC - 5 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 13:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0016804-008		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	91840	Lims Sample ID:	8
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:02	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.012	-0.005	94	127423	40.0	
* 2 Naphthalene-d8	136	7.669	7.668	0.001	99	491156	40.0	
* 3 Acenaphthene-d10	164	9.934	9.934	0.0	92	283143	40.0	
* 4 Phenanthrene-d10	188	11.632	11.632	0.0	98	486142	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	75	510074	40.0	
* 6 Perylene-d12	264	15.495	15.500	-0.005	78	548651	40.0	
88 Benzaldehyde	77	5.435	5.436	-0.001	80	17040	5.17	
104 Acetophenone	105	6.536	6.536	0.0	89	30521	5.08	
127 Caprolactam	113	8.192	8.208	-0.016	34	4835	3.63	
138 1,2,4,5-Tetrachlorobenzene	216	8.806	8.807	-0.001	69	19270	5.61	
144 1,1'-Biphenyl	154	9.202	9.202	0.0	88	54528	5.55	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	17	5097	5.13	
180 Atrazine	200	11.344	11.349	-0.005	54	10789	4.62	

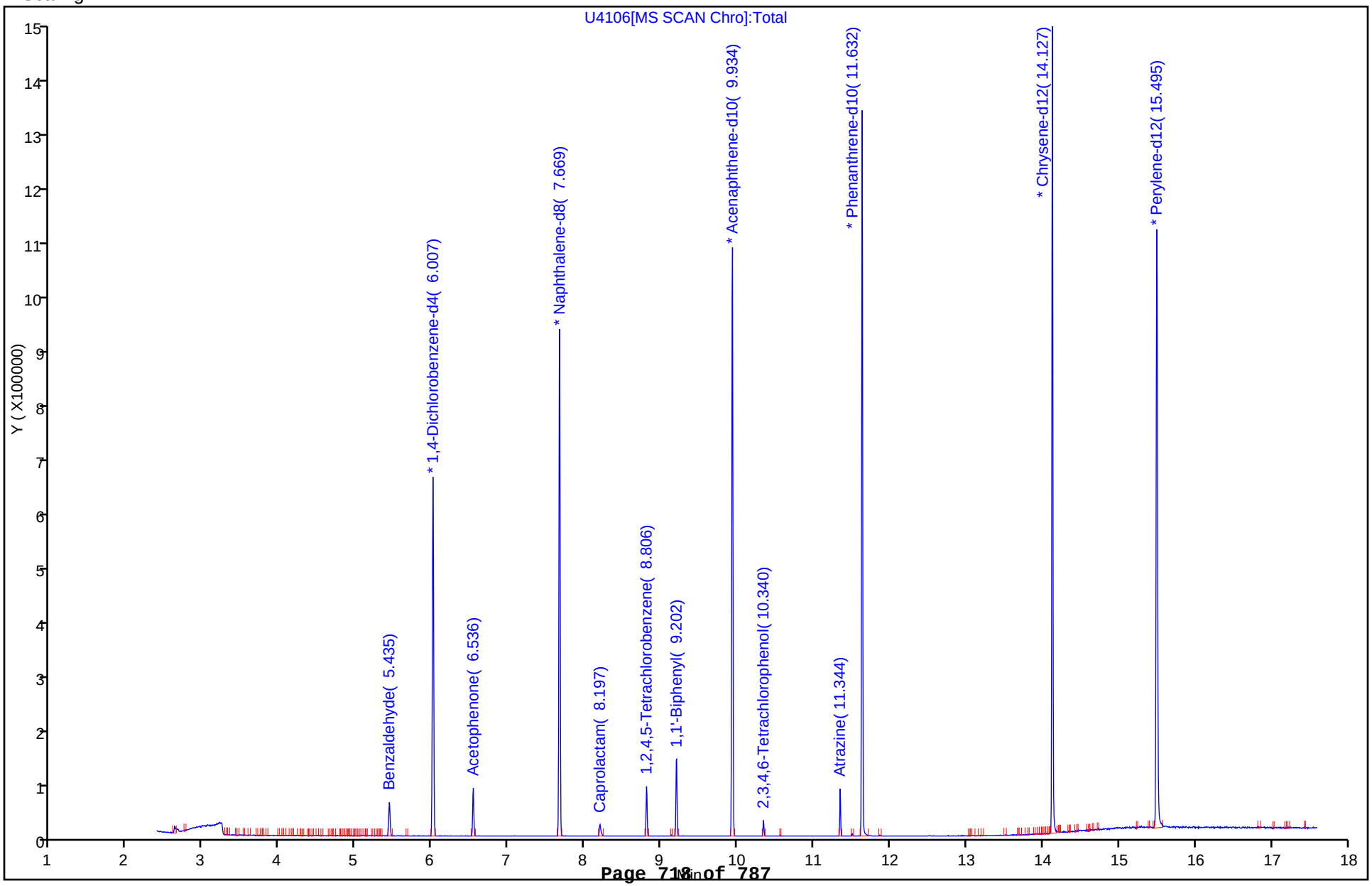
Report Date: 20-Nov-2012 16:32:02 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4106.D

Injection Date:	20-Nov-2012 13:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	8
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4107.D		
Lims ID:	IC - 20 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 13:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0016804-009		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	91840	Lims Sample ID:	9
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:04	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.012	-0.005	97	124441	40.0	
* 2 Naphthalene-d8	136	7.663	7.668	-0.005	99	502689	40.0	
* 3 Acenaphthene-d10	164	9.928	9.934	-0.006	92	288970	40.0	
* 4 Phenanthrene-d10	188	11.632	11.632	0.0	99	503746	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	76	515518	40.0	
* 6 Perylene-d12	264	15.495	15.500	-0.005	78	566208	40.0	
88 Benzaldehyde	77	5.435	5.436	-0.001	88	67625	21.0	
104 Acetophenone	105	6.536	6.536	0.0	92	125531	21.4	
127 Caprolactam	113	8.197	8.208	-0.011	70	26509	19.4	
138 1,2,4,5-Tetrachlorobenzene	216	8.806	8.807	-0.001	94	75459	21.5	
144 1,1'-Biphenyl	154	9.196	9.202	-0.006	94	218735	21.8	
158 2,3,4,6-Tetrachlorophenol	232	10.339	10.340	-0.001	91	29900	18.9	
180 Atrazine	200	11.344	11.349	-0.005	84	51518	21.6	

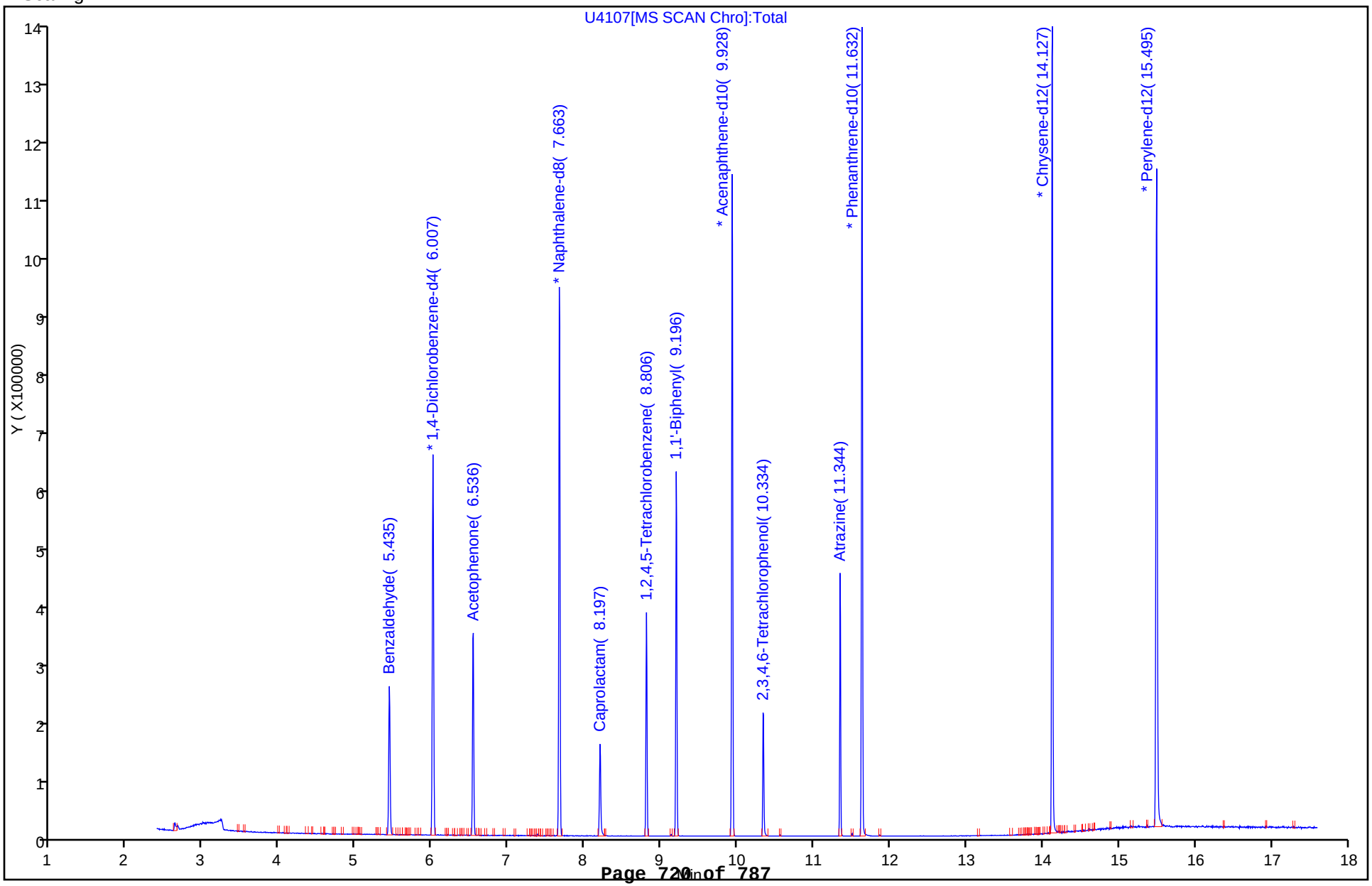
Report Date: 20-Nov-2012 16:32:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4107.D

Injection Date:	20-Nov-2012 13:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	9
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4108.D		
Lims ID:	IC - 50 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 14:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	480-0016804-010		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	11
Lims Batch ID:	91840	Lims Sample ID:	10
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:06	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:06

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.007	0.0	94	127294	40.0	
* 2 Naphthalene-d8	136	7.663	7.663	0.0	99	505165	40.0	
* 3 Acenaphthene-d10	164	9.928	9.928	0.0	92	293140	40.0	
* 4 Phenanthrene-d10	188	11.633	11.633	0.0	99	508609	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	75	519336	40.0	
* 6 Perylene-d12	264	15.495	15.495	0.0	76	572122	40.0	
88 Benzaldehyde	77	5.436	5.436	0.0	89	168390	51.1	
104 Acetophenone	105	6.536	6.536	0.0	94	310533	51.7	
127 Caprolactam	113	8.208	8.208	0.0	72	73753	53.8	
138 1,2,4,5-Tetrachlorobenzene	216	8.807	8.807	0.0	92	181411	51.0	
144 1,1'-Biphenyl	154	9.202	9.202	0.0	95	525756	51.7	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	95	88425	50.8	
180 Atrazine	200	11.349	11.349	0.0	89	123842	51.3	

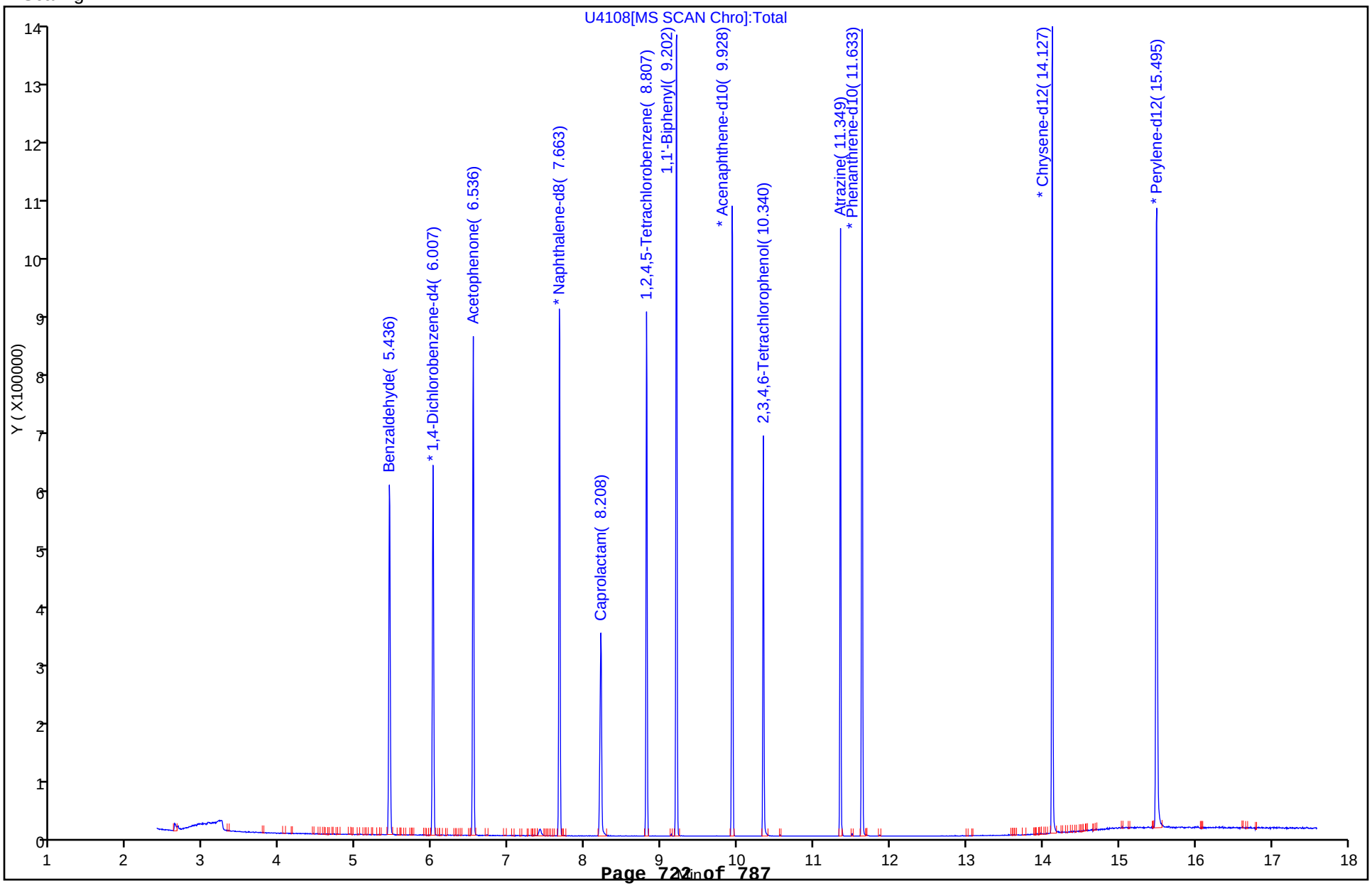
Report Date: 20-Nov-2012 16:32:07 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4108.D

Injection Date:	20-Nov-2012 14:04:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	10
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4109.D		
Lims ID:	IC - 80 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 14:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0016804-011		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	91840	Lims Sample ID:	11
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:09	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:08

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.007	0.0	93	126529	40.0	
* 2 Naphthalene-d8	136	7.663	7.663	0.0	99	502104	40.0	
* 3 Acenaphthene-d10	164	9.934	9.928	0.006	92	293515	40.0	
* 4 Phenanthrene-d10	188	11.633	11.633	0.0	99	511636	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	76	518562	40.0	
* 6 Perylene-d12	264	15.495	15.495	0.0	78	568657	40.0	
88 Benzaldehyde	77	5.436	5.436	0.0	89	262852	80.3	
104 Acetophenone	105	6.536	6.536	0.0	93	486938	81.6	
127 Caprolactam	113	8.219	8.208	0.011	75	119599	87.8	
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.807	0.005	90	283314	79.5	
144 1,1'-Biphenyl	154	9.202	9.202	0.0	95	812453	79.8	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	94	145904	82.3	
180 Atrazine	200	11.355	11.349	0.006	90	199001	82.3	

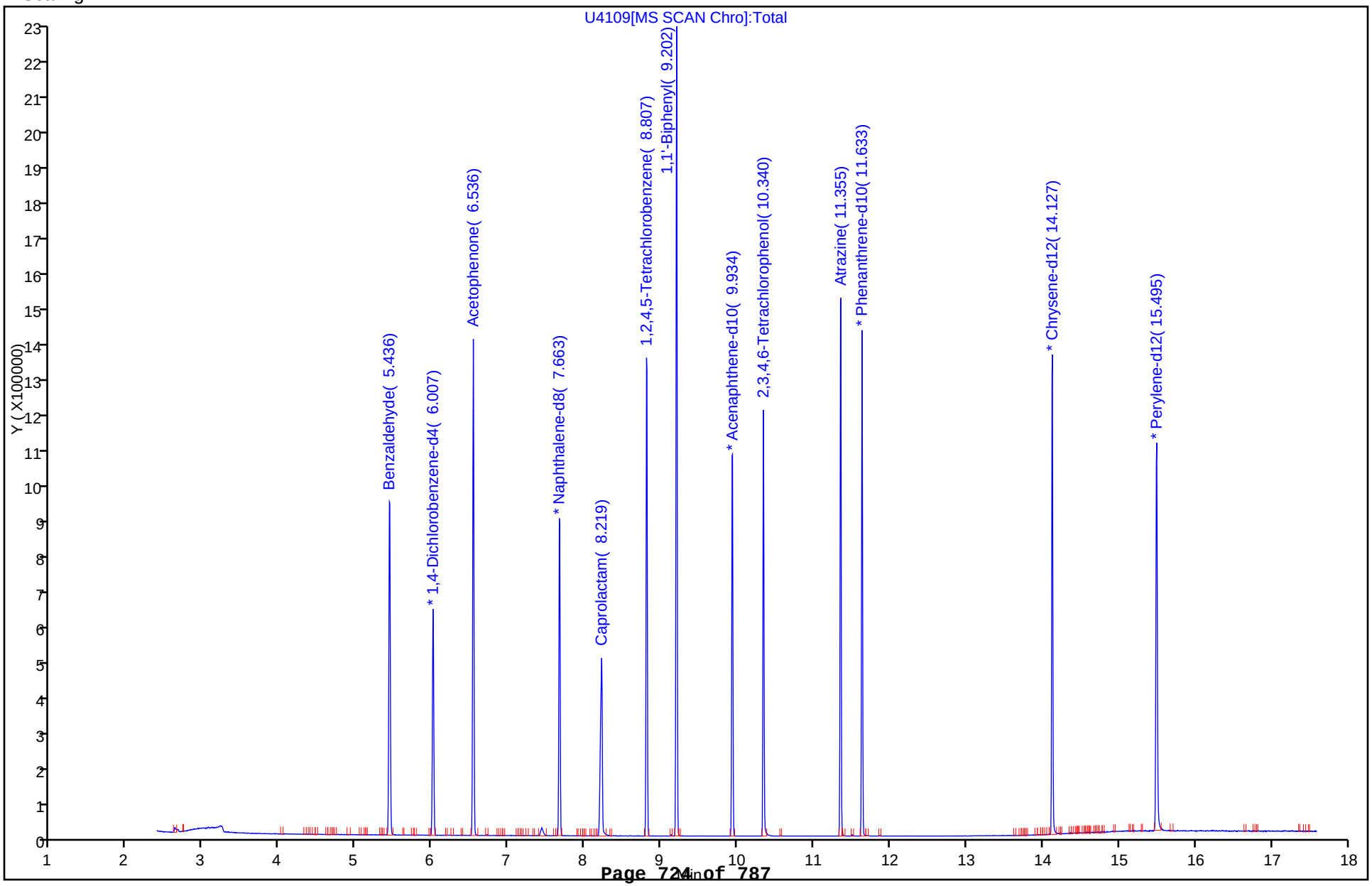
Report Date: 20-Nov-2012 16:32:09 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4109.D

Injection Date:	20-Nov-2012 14:28:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	11
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4110.D		
Lims ID:	IC - 120 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 14:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0016804-012		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	91840	Lims Sample ID:	12
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:11	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.007	0.0	94	134828	40.0	
* 2 Naphthalene-d8	136	7.669	7.663	0.006	99	535490	40.0	
* 3 Acenaphthene-d10	164	9.934	9.928	0.006	92	315965	40.0	
* 4 Phenanthrene-d10	188	11.633	11.633	0.0	98	555103	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	75	556106	40.0	
* 6 Perylene-d12	264	15.495	15.495	0.0	78	607302	40.0	
88 Benzaldehyde	77	5.441	5.436	0.005	88	399601	114.6	
104 Acetophenone	105	6.536	6.536	0.0	93	720895	113.4	
127 Caprolactam	113	8.230	8.208	0.022	75	187235	128.9	
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.807	0.005	92	414708	108.1	
144 1,1'-Biphenyl	154	9.202	9.202	0.0	96	1181273	107.7	
158 2,3,4,6-Tetrachlorophenol	232	10.340	10.340	0.0	92	229113	119.1	
180 Atrazine	200	11.355	11.349	0.006	89	303339	116.5	

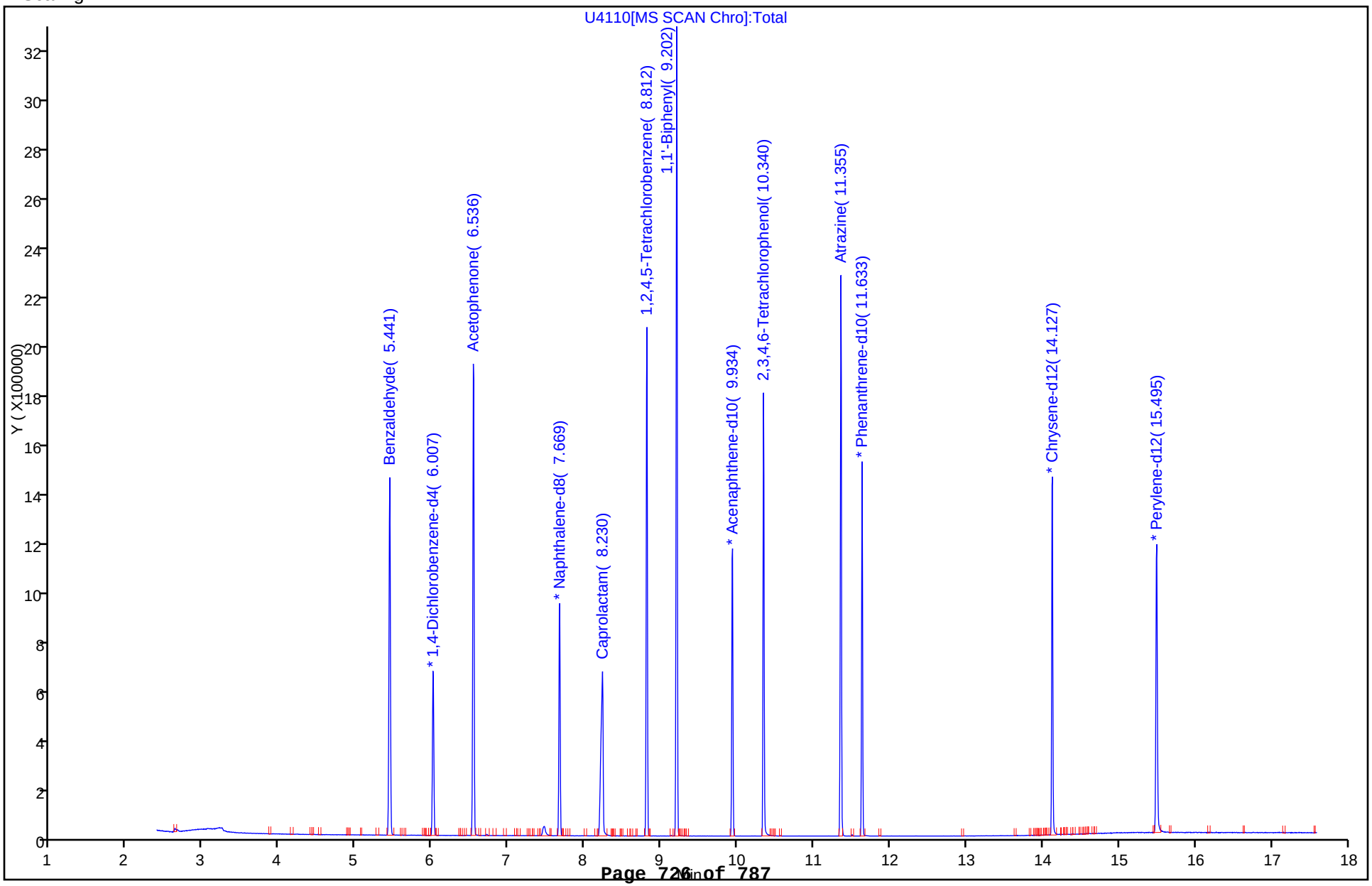
Report Date: 20-Nov-2012 16:32:11 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4110.D

Injection Date:	20-Nov-2012 14:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	12
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4111.D		
Lims ID:	IC - 160 PT TCL ADDS	Client ID:	
Inject. Date:	20-Nov-2012 15:16:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0016804-013		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	91840	Lims Sample ID:	13
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:32:14	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:32:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.007	6.007	0.0	94	135987	40.0	
* 2 Naphthalene-d8	136	7.668	7.663	0.005	99	540289	40.0	
* 3 Acenaphthene-d10	164	9.934	9.928	0.006	92	313987	40.0	
* 4 Phenanthrene-d10	188	11.632	11.633	-0.001	98	552898	40.0	
* 5 Chrysene-d12	240	14.127	14.127	0.0	75	551499	40.0	
* 6 Perylene-d12	264	15.495	15.495	0.0	78	604023	40.0	
88 Benzaldehyde	77	5.441	5.436	0.005	89	526531	149.6	
104 Acetophenone	105	6.541	6.536	0.005	93	938928	146.4	
127 Caprolactam	113	8.240	8.208	0.032	74	246623	168.3	
138 1,2,4,5-Tetrachlorobenzene	216	8.812	8.807	0.005	92	542411	142.3	
144 1,1'-Biphenyl	154	9.207	9.202	0.005	96	1517577	139.3	
158 2,3,4,6-Tetrachlorophenol	232	10.345	10.340	0.005	91	305039	158.8	
180 Atrazine	200	11.360	11.349	0.011	89	401417	155.1	

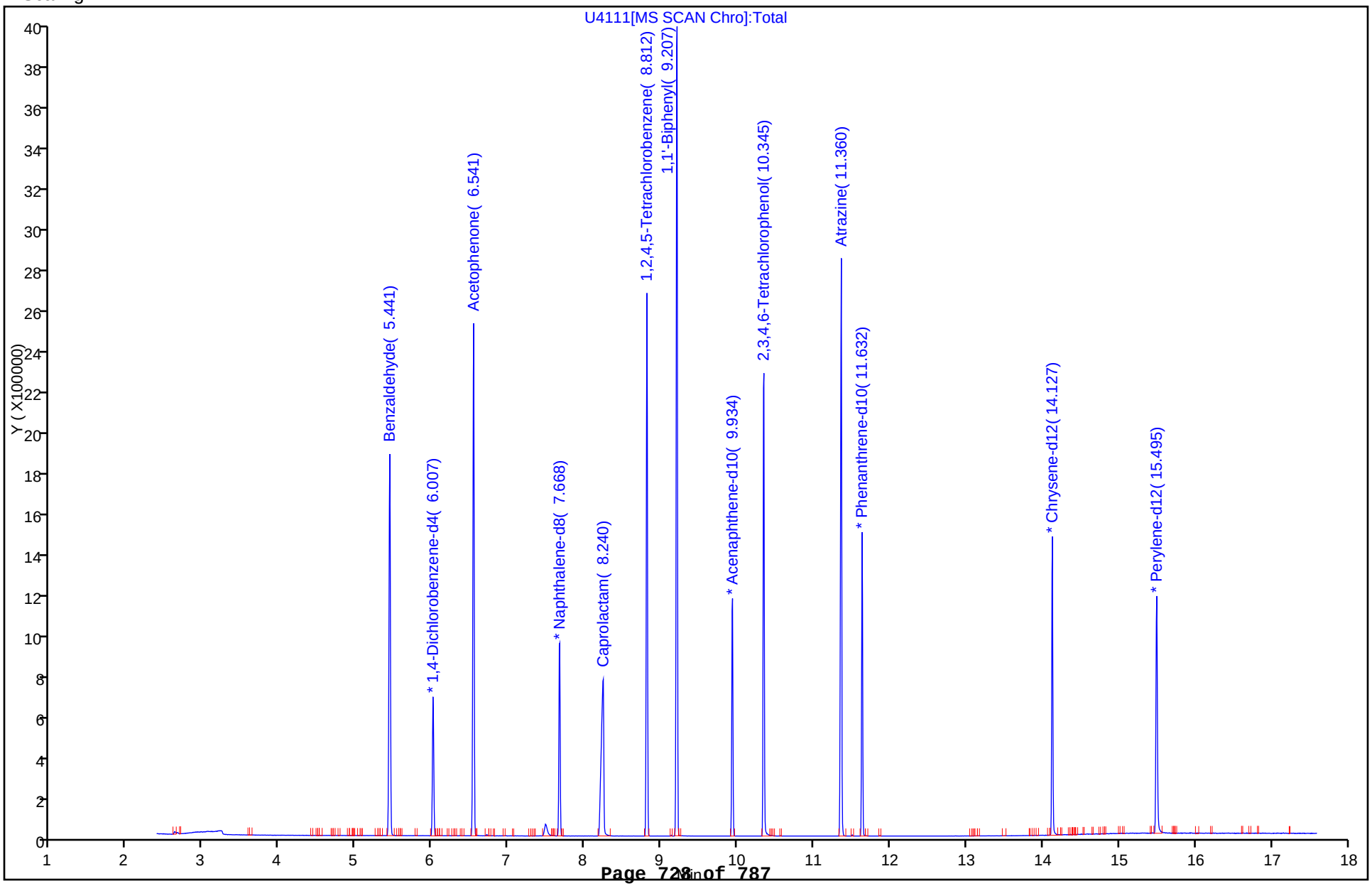
Report Date: 20-Nov-2012 16:32:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4111.D

Injection Date:	20-Nov-2012 15:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	13
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97535/2 Calibration Date: 12/27/2012 11:24

Instrument ID: HP5973U Calib Start Date: 11/20/2012 10:52

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/20/2012 15:39

Lab File ID: U5016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.6271	0.5854	0.0100	46700	50000	-6.7	25.0
Pyridine	Lin1		0.8916	0.0100	37000	50000	-25.9	100.0
Phenol	Lin1		1.722	0.0100	47300	50000	-5.4	20.0
Aniline	Ave	2.287	1.907	0.0100	41700	50000	-16.6	100.0
Bis(2-chloroethyl)ether	Ave	1.478	1.244	0.0100	42100	50000	-15.8	20.0
2-Chlorophenol	Ave	1.504	1.329	0.0100	44200	50000	-11.7	20.0
1,3-Dichlorobenzene	Ave	1.608	1.476	0.0100	45900	50000	-8.3	20.0
1,4-Dichlorobenzene	Ave	1.648	1.506	0.0100	45700	50000	-8.6	20.0
Benzyl alcohol	Ave	0.9721	0.8579	0.0100	44100	50000	-11.7	100.0
1,2-Dichlorobenzene	Ave	1.539	1.435	0.0100	46600	50000	-6.7	20.0
2-Methylphenol	Ave	1.358	1.175	0.0100	43300	50000	-13.4	20.0
2,2'-Oxybis(1-chloropropane)	Ave	1.880	1.663	0.0100	44200	50000	-11.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.032	0.9437	0.0500	45700	50000	-8.6	20.0
4-Methylphenol	Ave	1.368	1.253	0.0100	45800	50000	-8.4	20.0
Hexachloroethane	Ave	0.5862	0.5363	0.0100	45700	50000	-8.5	20.0
Nitrobenzene	Ave	0.3700	0.3545	0.0100	47900	50000	-4.2	20.0
Isophorone	Ave	0.6665	0.6133	0.0100	46000	50000	-8.0	20.0
2-Nitrophenol	Lin1		0.1874	0.0100	47400	50000	-5.2	20.0
2,4-Dimethylphenol	Lin1		0.3442	0.0100	47500	50000	-4.9	20.0
Tetraethyl lead	Ave	0.1190	0.1122	0.0100	47100	50000	-5.8	40.0
Bis(2-chloroethoxy)methane	Ave	0.4179	0.3629	0.0100	43400	50000	-13.2	20.0
Benzoic acid	Ave	0.2932	0.2654	0.0100	136000	150000	-9.5	25.0
2,4-Dichlorophenol	Ave	0.2864	0.2785	0.0100	48600	50000	-2.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3115	0.2968	0.0100	47600	50000	-4.7	20.0
Naphthalene	Ave	1.029	0.9803	0.0100	47600	50000	-4.8	20.0
4-Chloroaniline	Ave	0.4404	0.4029	0.0100	45700	50000	-8.5	20.0
Hexachlorobutadiene	Ave	0.1653	0.1627	0.0100	49200	50000	-1.6	20.0
4-Chloro-3-methylphenol	Lin1		0.3112	0.0100	48700	50000	-2.6	20.0
2-Methylnaphthalene	Ave	0.6705	0.6560	0.0100	48900	50000	-2.2	20.0
Hexachlorocyclopentadiene	Ave	0.3138	0.2953	0.0500	47000	50000	-5.9	20.0
2,4,6-Trichlorophenol	Lin1		0.3147	0.0100	45900	50000	-8.1	20.0
2,4,5-Trichlorophenol	Lin1		0.3399	0.0100	45700	50000	-8.7	20.0
2-Chloronaphthalene	Ave	1.101	1.013	0.0100	46000	50000	-8.0	25.0
2-Nitroaniline	Lin1		0.3156	0.0100	46800	50000	-6.4	20.0
Dimethyl phthalate	Ave	1.302	1.207	0.0100	46400	50000	-7.3	20.0
2,6-Dinitrotoluene	Lin1		0.2752	0.0100	46700	50000	-6.6	20.0
Acenaphthylene	Ave	1.730	1.646	0.0100	47600	50000	-4.8	20.0
3-Nitroaniline	Lin1		0.3144	0.0100	46300	50000	-7.4	20.0
Acenaphthene	Ave	1.082	1.030	0.0100	47600	50000	-4.8	20.0
2,4-Dinitrophenol	Lin1		0.1303	0.0500	50300	50000	0.6	20.0
4-Nitrophenol	LinF		0.1628	0.0500	43400	50000	-13.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCVIS 480-97535/2 Calibration Date: 12/27/2012 11:24

Instrument ID: HP5973U Calib Start Date: 11/20/2012 10:52

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/20/2012 15:39

Lab File ID: U5016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Lin1		0.3921	0.0100	51500	50000	2.9	20.0
Dibenzofuran	Ave	1.534	1.467	0.0100	47800	50000	-4.3	20.0
Diethyl phthalate	Ave	1.271	1.209	0.0100	47600	50000	-4.9	20.0
Fluorene	Ave	1.212	1.216	0.0100	50100	50000	0.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6015	0.5854	0.0100	48700	50000	-2.7	20.0
4-Nitroaniline	Lin1		0.3305	0.0100	46400	50000	-7.2	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1301	0.0100	51700	50000	3.4	20.0
N-Nitrosodiphenylamine	Ave	0.5119	0.4945	0.0100	48300	50000	-3.4	20.0
1,2-Diphenylhydrazine	Ave	1.266	1.140	0.0100	45000	50000	-9.9	25.0
4-Bromophenyl phenyl ether	Ave	0.2058	0.2059	0.0100	50000	50000	0.0	20.0
Hexachlorobenzene	Ave	0.2255	0.2229	0.0100	49400	50000	-1.1	20.0
Pentachlorophenol	Lin1		0.1140	0.0100	50400	50000	0.8	20.0
Phenanthrene	Ave	1.059	1.036	0.0100	48900	50000	-2.2	20.0
Anthracene	Ave	1.063	1.058	0.0100	49800	50000	-0.5	20.0
Carbazole	Ave	1.033	1.006	0.0100	48700	50000	-2.7	20.0
Di-n-butyl phthalate	Ave	1.217	1.201	0.0100	49300	50000	-1.3	20.0
Fluoranthene	Ave	1.143	1.123	0.0100	49100	50000	-1.7	20.0
Benzidine	Ave	0.6504	0.5447	0.0100	41900	50000	-16.2	25.0
Pyrene	Ave	1.146	1.074	0.0100	46800	50000	-6.3	20.0
3,3'-Dimethylbenzidine	Ave	0.6280	0.5598	0.0100	44600	50000	-10.9	100.0
Butyl benzyl phthalate	Ave	0.5537	0.5373	0.0100	48500	50000	-3.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4267	0.4267	0.0100	50000	50000	0.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7565	0.7480	0.0100	49400	50000	-1.1	20.0
Benzo(a)anthracene	Ave	1.073	1.031	0.0100	48000	50000	-3.9	20.0
Chrysene	Ave	1.098	1.010	0.0100	46000	50000	-8.0	20.0
Di-n-octyl phthalate	Ave	1.269	1.265	0.0100	49800	50000	-0.3	20.0
Benzo(b)fluoranthene	Ave	0.9949	1.043	0.0100	52400	50000	4.9	20.0
Benzo(k)fluoranthene	Ave	1.066	0.9889	0.0100	46400	50000	-7.3	20.0
Benzo(a)pyrene	Ave	0.8821	0.8740	0.0100	49500	50000	-0.9	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.169	1.191	0.0100	50900	50000	1.9	20.0
Dibenz(a,h)anthracene	Ave	0.999	1.022	0.0100	51200	50000	2.3	20.0
Benzo(g,h,i)perylene	Ave	0.9901	1.012	0.0100	51100	50000	2.2	20.0
2-Fluorophenol	Ave	1.491	1.251	0.0100	42000	50000	-16.1	25.0
Phenol-d5	Ave	1.714	1.463	0.0100	42700	50000	-14.6	25.0
Nitrobenzene-d5	Ave	0.3597	0.3381	0.0100	47000	50000	-6.0	25.0
2-Fluorobiphenyl	Ave	1.271	1.207	0.0100	47500	50000	-5.0	25.0
2,4,6-Tribromophenol	Ave	0.1044	0.1054	0.0100	50500	50000	1.0	25.0
p-Terphenyl-d14	Ave	0.8696	0.8420	0.0100	48400	50000	-3.2	25.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5016.D
Lims ID: CCVIS Client ID:
Inject. Date: 27-Dec-2012 11:24:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0017888-002
Misc. Info.:
Operator: ANM Instrument ID: HP5973U
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 97535 Lims Sample ID: 2
Sublist: chrom-U-8270*sub21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 11:46:17 Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna Date: 27-Dec-2012 11:46:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	97	100829	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	392945	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	90	243385	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	99	409533	40.0	
* 5 Chrysene-d12	240	14.069	14.069	0.0	73	438920	40.0	
* 6 Perylene-d12	264	15.415	15.415	0.0	78	498050	40.0	
$ 9 2-Fluorophenol	112	4.207	4.207	0.0	96	157665	42.0	
$ 10 Phenol-d5	99	5.468	5.468	0.0	88	184413	42.7	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	91	166063	47.0	
$ 12 2-Fluorobiphenyl	172	9.009	9.009	0.0	99	367350	47.5	
$ 13 2,4,6-Tribromophenol	330	10.820	10.820	0.0	92	53968	50.5	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	81	461966	48.4	
81 N-Nitrosodimethylamine	42	2.567	2.567	0.0	78	73781	46.7	
82 Pyridine	52	2.631	2.631	0.0	91	112377	37.0	
89 Phenol	94	5.489	5.489	0.0	87	217086	47.3	
90 Aniline	93	5.494	5.494	0.0	76	240373	41.7	
91 Bis(2-chloroethyl)ether	93	5.585	5.585	0.0	92	156800	42.1	
93 2-Chlorophenol	128	5.654	5.654	0.0	95	167447	44.2	
94 1,3-Dichlorobenzene	146	5.852	5.852	0.0	94	185996	45.9	
95 1,4-Dichlorobenzene	146	5.954	5.954	0.0	81	189846	45.7	
96 Benzyl alcohol	108	6.125	6.125	0.0	90	108126	44.1	
97 1,2-Dichlorobenzene	146	6.146	6.146	0.0	89	180861	46.6	
98 2-Methylphenol	108	6.285	6.285	0.0	98	148125	43.3	
99 2,2'-oxybis[1-chloropropane]	45	6.301	6.301	0.0	90	209566	44.2	
101 N-Nitrosodi-n-propylamine	70	6.472	6.472	0.0	83	118941	45.7	
102 4-Methylphenol	108	6.493	6.493	0.0	93	157867	45.8	
106 Hexachloroethane	117	6.589	6.589	0.0	95	67596	45.7	
107 Nitrobenzene	77	6.691	6.691	0.0	80	174119	47.9	
110 Isophorone	82	7.006	7.006	0.0	95	301244	46.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
111 2-Nitrophenol	139	7.108	7.108	0.0	95	92047	47.4	
112 2,4-Dimethylphenol	107	7.188	7.188	0.0	96	169065	47.5	
113 Tetraethyl lead	237	7.214	7.214	0.0	89	55097	47.1	
115 Bis(2-chloroethoxy)methane	93	7.305	7.305	0.0	100	178248	43.4	
119 Benzoic acid	105	7.412	7.412	0.0	84	391105	135.8	
117 2,4-Dichlorophenol	162	7.433	7.433	0.0	81	136794	48.6	
120 1,2,4-Trichlorobenzene	180	7.530	7.530	0.0	90	145759	47.6	
121 Naphthalene	128	7.626	7.626	0.0	96	481495	47.6	
123 4-Chloroaniline	127	7.711	7.711	0.0	92	197902	45.7	
126 Hexachlorobutadiene	225	7.791	7.791	0.0	93	79925	49.2	
131 4-Chloro-3-methylphenol	107	8.374	8.374	0.0	87	152865	48.7	
133 2-Methylnaphthalene	142	8.529	8.529	0.0	85	322208	48.9	
136 Hexachlorocyclopentadiene	237	8.732	8.732	0.0	87	89829	47.0	
139 2,4,6-Trichlorophenol	196	8.908	8.908	0.0	92	95726	45.9	
140 2,4,5-Trichlorophenol	196	8.961	8.961	0.0	91	103409	45.7	
143 2-Chloronaphthalene	162	9.154	9.154	0.0	98	308146	46.0	
145 2-Nitroaniline	65	9.303	9.303	0.0	81	96016	46.8	
147 Dimethyl phthalate	163	9.544	9.544	0.0	98	367292	46.4	
148 2,6-Dinitrotoluene	165	9.624	9.624	0.0	89	83711	46.7	
149 Acenaphthylene	152	9.683	9.683	0.0	89	500904	47.6	
150 3-Nitroaniline	138	9.843	9.843	0.0	92	95654	46.3	
151 Acenaphthene	153	9.907	9.907	0.0	94	313358	47.6	
152 2,4-Dinitrophenol	184	9.971	9.971	0.0	75	39630	50.3	
153 4-Nitrophenol	109	10.105	10.105	0.0	86	49538	43.4	
155 Dibenzofuran	168	10.126	10.126	0.0	82	446446	47.8	
154 2,4-Dinitrotoluene	165	10.126	10.126	0.0	79	119291	51.5	
160 Diethyl phthalate	149	10.425	10.425	0.0	97	367759	47.6	
161 Fluorene	166	10.537	10.537	0.0	82	369974	50.1	
162 4-Chlorophenyl phenyl ether	204	10.543	10.543	0.0	94	178095	48.7	
164 4-Nitroaniline	138	10.591	10.591	0.0	83	100536	46.4	
166 4,6-Dinitro-2-methylphenol	198	10.612	10.612	0.0	69	66582	51.7	
167 N-Nitrosodiphenylamine	169	10.687	10.687	0.0	97	253125	48.3	
168 1,2-Diphenylhydrazine	77	10.724	10.724	0.0	98	346927	45.0	
176 4-Bromophenyl phenyl ether	248	11.098	11.098	0.0	94	105404	50.0	
177 Hexachlorobenzene	284	11.157	11.157	0.0	87	114127	49.4	
181 Pentachlorophenol	266	11.381	11.381	0.0	80	58376	50.4	
185 Phenanthrene	178	11.600	11.600	0.0	82	530426	48.9	
188 Anthracene	178	11.654	11.654	0.0	83	541687	49.8	
189 Carbazole	167	11.830	11.830	0.0	83	514745	48.7	
192 Di-n-butyl phthalate	149	12.172	12.172	0.0	100	614676	49.3	
197 Fluoranthene	202	12.776	12.776	0.0	98	574799	49.1	
198 Benzidine	184	12.904	12.904	0.0	86	298842	41.9	
199 Pyrene	202	12.989	12.989	0.0	95	589068	46.8	
205 Butyl benzyl phthalate	149	13.556	13.556	0.0	96	294771	48.5	
203 3,3'-Dimethylbenzidine	212	13.556	13.556	0.0	88	286585	44.6	
208 3,3'-Dichlorobenzidine	252	14.031	14.031	0.0	95	234103	50.0	
210 Bis(2-ethylhexyl) phthalate	149	14.042	14.042	0.0	95	410405	49.4	
209 Benzo[a]anthracene	228	14.058	14.058	0.0	83	565659	48.0	
211 Chrysene	228	14.090	14.090	0.0	85	554287	46.0	
212 Di-n-octyl phthalate	149	14.597	14.597	0.0	99	693792	49.8	
213 Benzo[b]fluoranthene	252	15.030	15.030	0.0	79	649440	52.4	
214 Benzo[k]fluoranthene	252	15.057	15.057	0.0	80	615680	46.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
217 Benzo[a]pyrene	252	15.356	15.356	0.0	86	544138	49.5	
219 Indeno[1,2,3-cd]pyrene	276	16.617	16.617	0.0	75	741598	50.9	
220 Dibenz(a,h)anthracene	278	16.627	16.627	0.0	52	636153	51.2	
221 Benzo[g,h,i]perylene	276	16.969	16.969	0.0	76	630270	51.1	
S 222 Total Cresols	1				0		89.1	
S 77 3 & 4 Methylphenol	108				0		45.8	
S 78 3-Methylphenol	1				0		45.8	

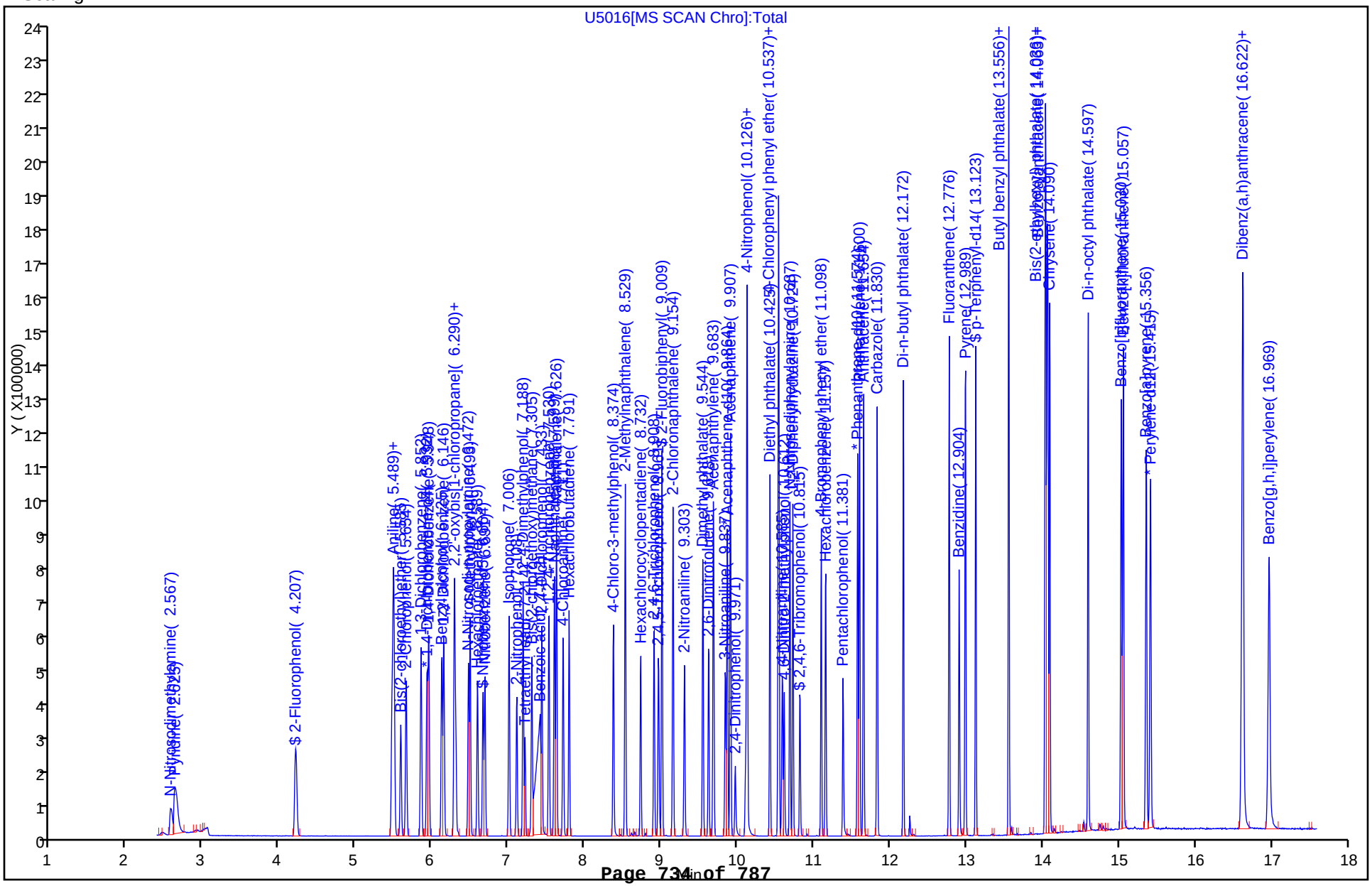
Report Date: 27-Dec-2012 11:46:17 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5016.D

Injection Date:	27-Dec-2012 11:24:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	2
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Lab Sample ID: CCV 480-97535/3 Calibration Date: 12/27/2012 11:47

Instrument ID: HP5973U Calib Start Date: 11/20/2012 13:17

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 11/20/2012 15:16

Lab File ID: U5017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.035	0.9636	0.0100	46600	50000	-6.9	40.0
Acetophenone	Ave	1.886	1.743	0.0100	46200	50000	-7.6	40.0
Caprolactam	Ave	0.1085	0.1075	0.0100	49600	50000	-0.9	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4856	0.5181	0.0100	53300	50000	6.7	40.0
Biphenyl	Ave	1.388	1.458	0.0100	52500	50000	5.0	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2590	0.0100	54400	50000	8.8	40.0
Atrazine	Ave	0.3297	0.3612	0.0100	54800	50000	9.6	25.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5017.D		
Lims ID:	CCV - TCL ADD	Client ID:	
Inject. Date:	27-Dec-2012 11:47:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	480-0017888-003		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	97535	Lims Sample ID:	3
Sublist:	chrom-U-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 12:18:27	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 12:18:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	97	110057	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	401287	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	88	236681	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	98	403659	40.0	
* 5 Chrysene-d12	240	14.069	14.069	0.0	76	442117	40.0	
* 6 Perylene-d12	264	15.409	15.409	0.0	76	494174	40.0	
88 Benzaldehyde	77	5.350	5.350	0.0	87	132562	46.6	
104 Acetophenone	105	6.461	6.461	0.0	92	239808	46.2	
127 Caprolactam	113	8.149	8.149	0.0	68	53920	49.6	
138 1,2,4,5-Tetrachlorobenzene	216	8.742	8.742	0.0	95	153287	53.3	
144 1,1'-Biphenyl	154	9.132	9.132	0.0	95	431215	52.5	
158 2,3,4,6-Tetrachlorophenol	232	10.286	10.286	0.0	92	76617	54.4	
180 Atrazine	200	11.296	11.296	0.0	89	106848	54.8	

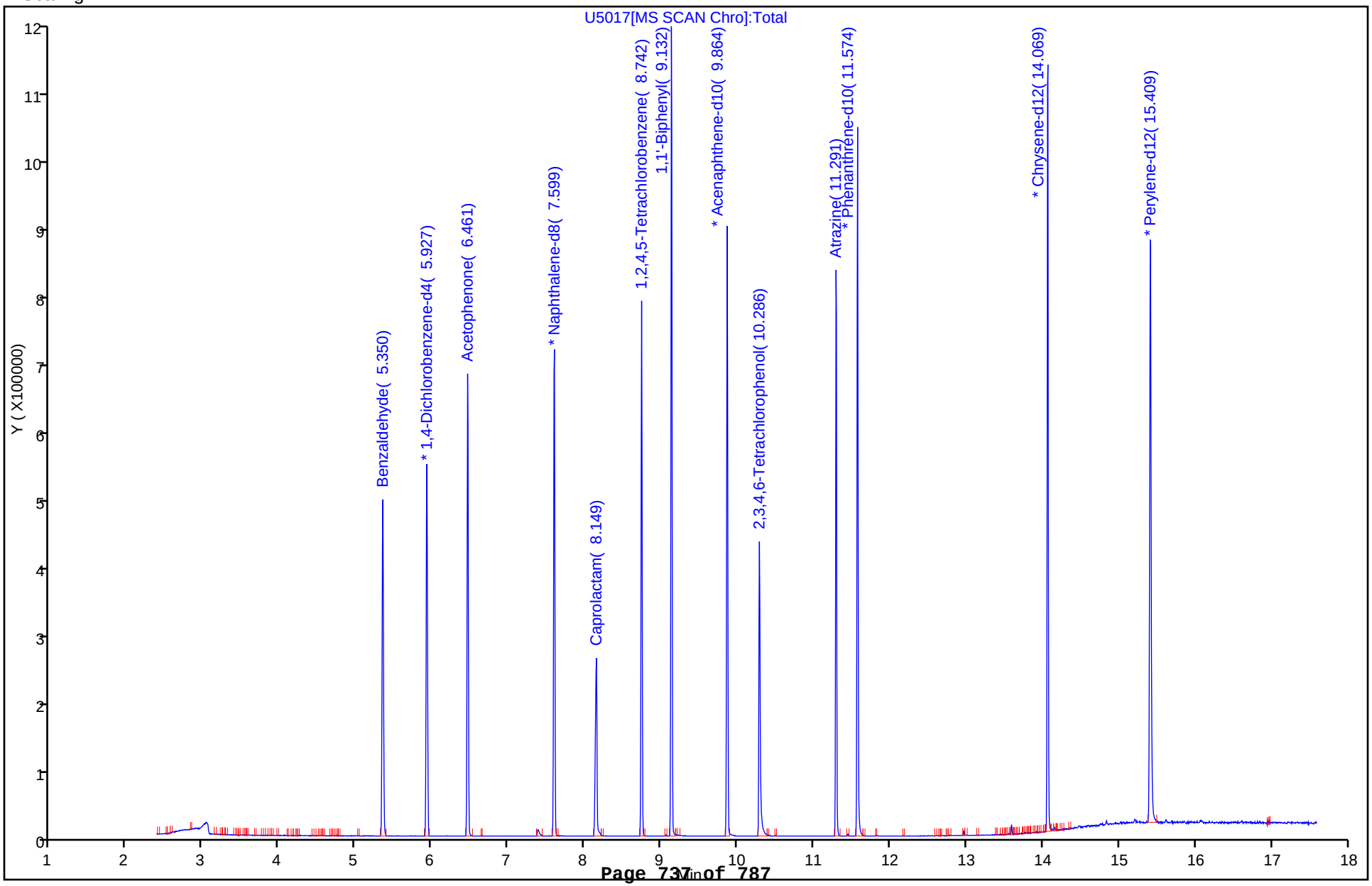
Report Date: 27-Dec-2012 12:18:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5017.D

Injection Date:	27-Dec-2012 11:47:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	3
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	20-Nov-2012 10:10:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0016804-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	91840	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U-8270.m		
Last Update:	20-Nov-2012 16:31:44	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK010		
First Level Reviewer: mcgoverna		Date:	20-Nov-2012 16:31:44

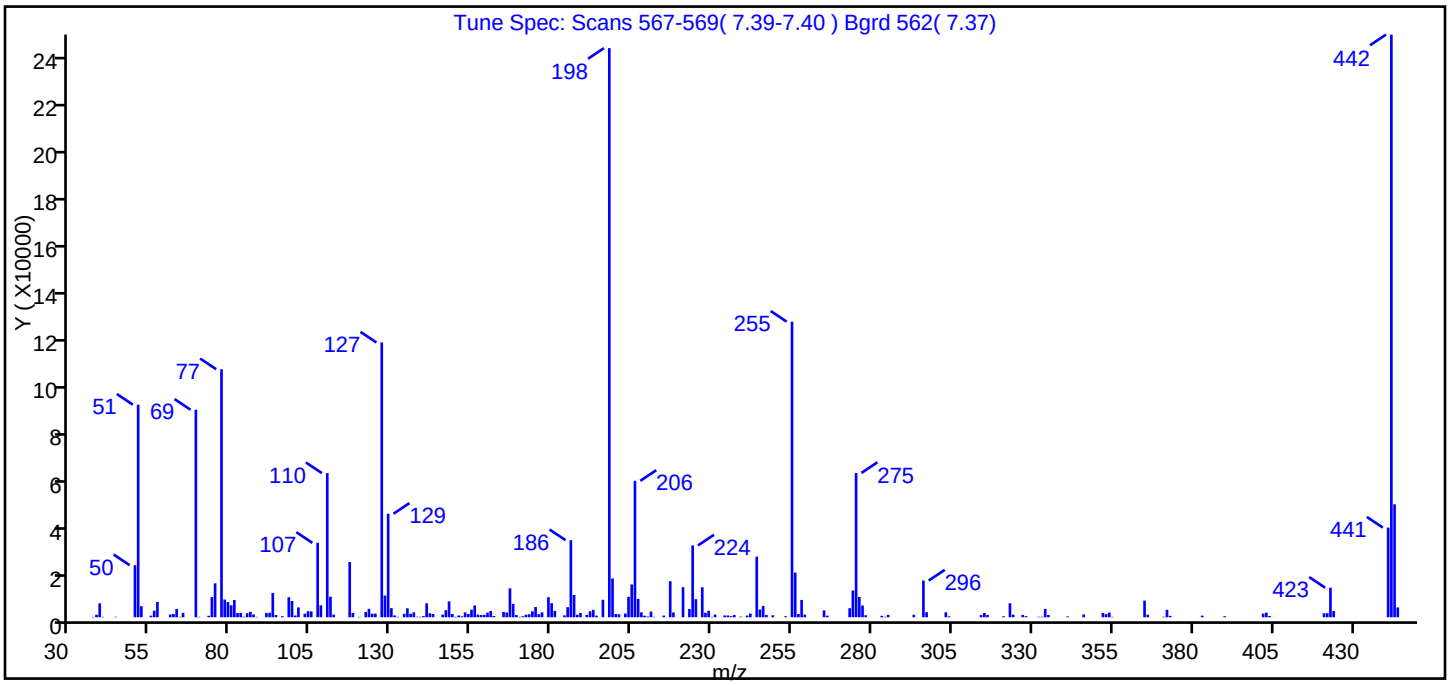
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.970	6.970	0.0	85	213892	0	
114 DFTPP								
130 Benzidine_T	184	8.412	8.412	0.0	98	1451796	0	
134 4,4'-DDE	246		8.519					
137 4,4'-DDD	235		8.861					
141 4,4'-DDT	235	9.128	9.128	0.0	97	623986	0	

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D		
Injection Date:	20-Nov-2012 10:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	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		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.35
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	36.46
70	Less than 2.00% of mass 69	0.07 (0.20)
127	40.00 - 60.00% of mass 198	48.28
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	25.35
365	Greater than 1.00% of mass 198	2.92
441	Present, but less than mass 443%	15.75 (79.38)
442	Greater than 40.00% of mass 198	102.37
443	17.00 - 23.00% of mass 442	19.85 (19.39)

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D\U-8270.rslt\spectra.d
Injection Date: 20-Nov-2012 10:10:30
Spectrum: Tune Spec: Scans 567-569(7.39-7.40) Bgrd 562(7.37)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 213

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	182	123.00	3476	186.00	32128	266.00	663
38.00	1049	124.00	1497	187.00	9304	273.00	3768
39.00	5803	125.00	1513	188.00	1042	274.00	11174
40.00	167	127.00	114504	189.00	1798	275.00	60136
44.00	190	128.00	9051	191.00	999	276.00	8458
50.00	21688	129.00	43144	192.00	2485	277.00	4894
51.00	88584	130.00	3816	193.00	3108	278.00	832
52.00	4609	131.00	748	194.00	665	283.00	607
55.00	667	132.00	198	196.00	7265	284.00	182
56.00	2756	134.00	1459	198.00	237184	285.00	994
57.00	6383	135.00	3738	199.00	16183	293.00	1031
61.00	1157	136.00	1460	200.00	1345	296.00	15302
62.00	1364	137.00	2046	201.00	1221	297.00	2107
63.00	3470	138.00	213	203.00	1558	303.00	2068
64.00	181	139.00	174	204.00	8512	304.00	381
65.00	1804	140.00	477	205.00	13667	314.00	906
69.00	86480	141.00	5815	206.00	56848	315.00	1783
70.00	170	142.00	1685	207.00	7657	316.00	961
73.00	622	143.00	1340	208.00	2039	321.00	408
74.00	8392	146.00	1077	209.00	655	323.00	5825
75.00	14138	147.00	2960	210.00	299	324.00	1055
77.00	103360	148.00	6624	211.00	2372	327.00	969
78.00	7362	149.00	1386	212.00	171	328.00	463
79.00	6350	150.00	183	215.00	701	332.00	201
80.00	4983	151.00	733	217.00	15034	333.00	222
81.00	7209	152.00	401	218.00	2014	334.00	3483
82.00	1775	153.00	2028	221.00	12523	335.00	968
83.00	1847	154.00	1374	223.00	3417	341.00	370
84.00	214	155.00	3164	224.00	29928	346.00	1172
85.00	1670	156.00	4917	225.00	7539	352.00	1801
86.00	2254	157.00	1089	227.00	12489	353.00	1313
87.00	1153	158.00	950	228.00	1860	354.00	1937
88.00	171	159.00	1005	229.00	2700	355.00	176

Report Date: 20-Nov-2012 16:31:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D\U-8270.rslt\spectra.d
Injection Date: 20-Nov-2012 10:10:30
Spectrum: Tune Spec: Scans 567-569(7.39-7.40) Bgrd 562(7.37)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 213

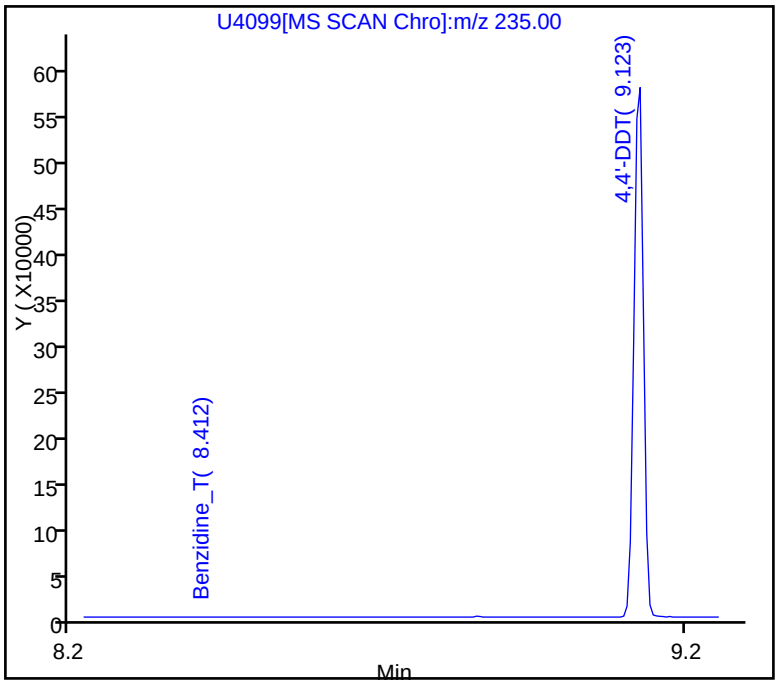
m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	1764	160.00	1944	230.00	173	365.00	6924
92.00	1851	161.00	2626	231.00	1111	366.00	1071
93.00	10079	162.00	519	234.00	749	371.00	215
94.00	930	165.00	2226	235.00	741	372.00	3109
96.00	444	166.00	1965	236.00	471	373.00	586
98.00	8326	167.00	12041	237.00	926	383.00	664
99.00	6777	168.00	5588	239.00	260	390.00	423
100.00	729	169.00	911	241.00	705	402.00	1507
101.00	4103	170.00	186	242.00	1526	403.00	1921
103.00	1465	171.00	433	244.00	25264	404.00	522
104.00	2525	172.00	1060	245.00	3224	421.00	1669
105.00	2447	173.00	1245	246.00	4733	422.00	1683
107.00	31008	174.00	2487	247.00	967	423.00	12319
108.00	4965	175.00	4278	249.00	843	424.00	2615
110.00	60048	176.00	1280	253.00	438	441.00	37368
111.00	8538	177.00	2043	255.00	123176	442.00	242816
112.00	1105	179.00	8364	256.00	18608	443.00	47072
117.00	23000	180.00	5861	257.00	1375	444.00	4123
118.00	1806	181.00	2689	258.00	7213		
120.00	173	184.00	789	259.00	1104		
122.00	2164	185.00	4201	265.00	2873		

Breakdown Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D		
Injection Date:	20-Nov-2012 10:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 623986
137 4,4'-DDD, Area = 0
134 4,4'-DDE, Area = 0

%Breakdown: 0.00%, Max Limit: 20.00%
Passed

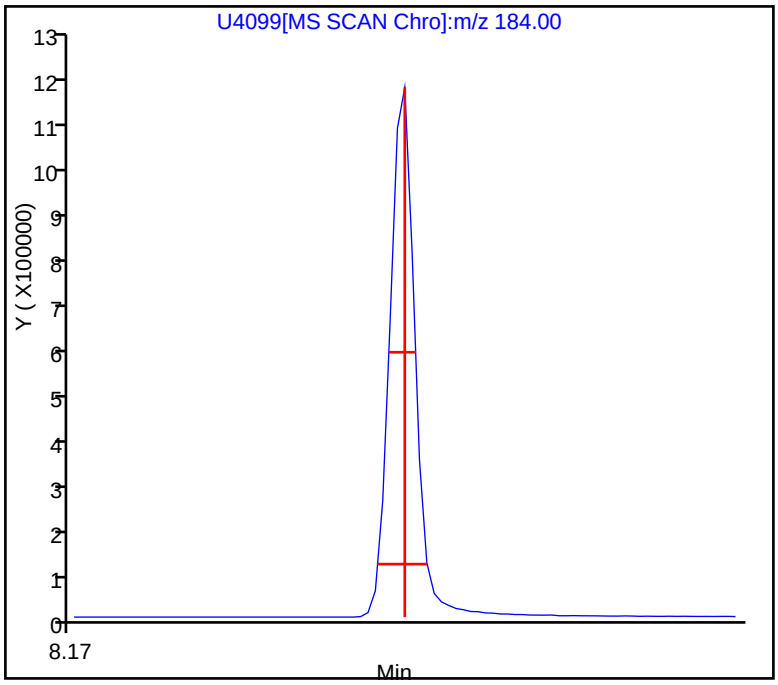
Peak Tailing Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D

Injection Date:	20-Nov-2012 10:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

130 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 0.8, Max. Tailing < 3.00
Passed

Report Date: 20-Nov-2012 16:31:44 Chrom Revision: 2.0 22-Oct-2012 16:30:48

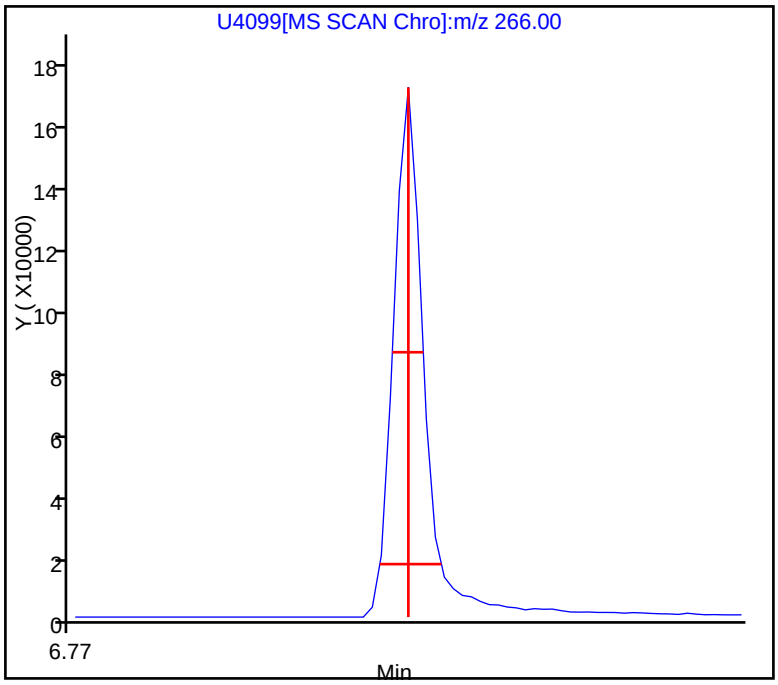
Peak Tailing Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4099.D

Injection Date:	20-Nov-2012 10:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	91840	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

108 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	27-Dec-2012 11:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0017888-001		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	97535	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 11:21:04	Calib Date:	20-Nov-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Process Host:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 11:21:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.906	6.906	0.0	81	175845	0	
114 DFTPP								
130 Benzidine_T	184	8.343	8.343	0.0	87	1111767	0	
134 4,4'-DDE	246		8.503					9
137 4,4'-DDD	235	8.792	8.792	0.0	1	2287	0	
141 4,4'-DDT	235	9.054	9.054	0.0	95	524670	0	

QC Flag Legend

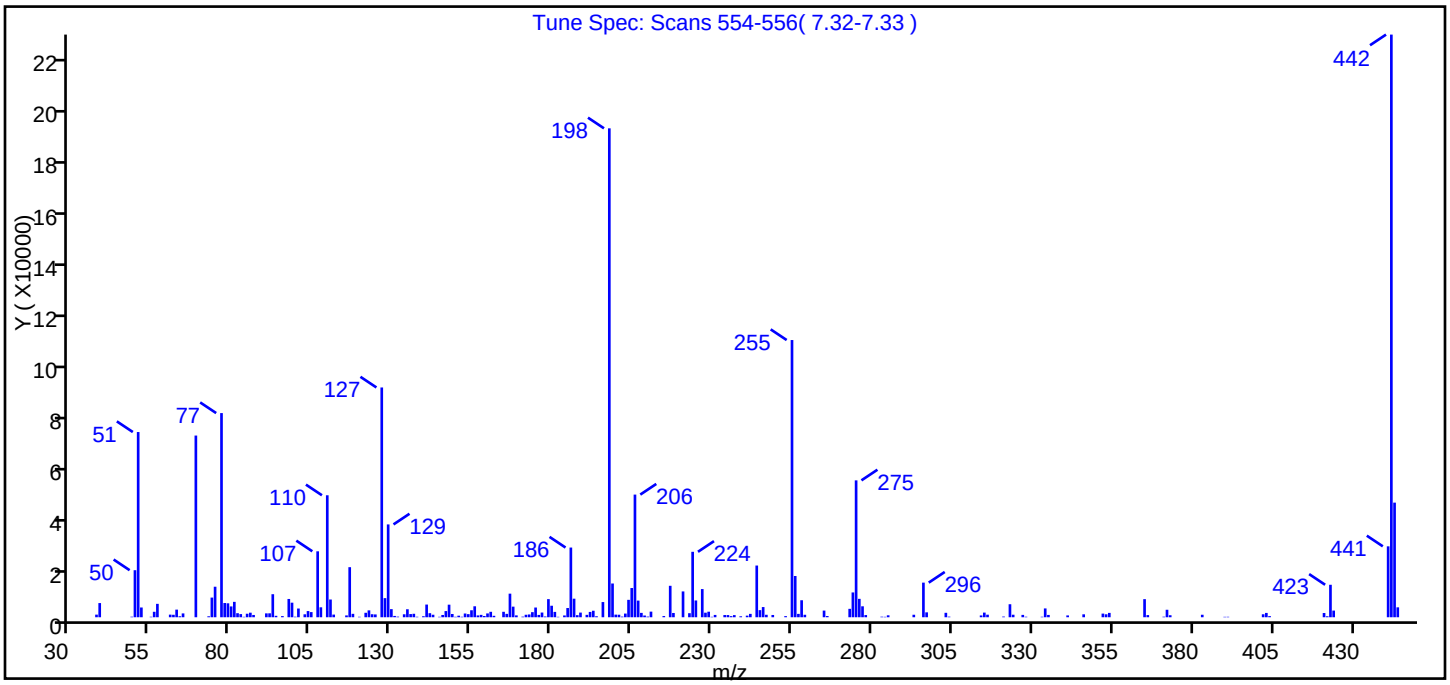
Processing Flags
9 - Failed A Reference Spectral Test

MS Tune Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D		
Injection Date:	27-Dec-2012 11:07:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	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		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.88
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	37.16
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	47.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	28.00
365	Greater than 1.00% of mass 198	3.70
441	Present, but less than mass 443%	14.51 (61.87)
442	Greater than 40.00% of mass 198	119.17
443	17.00 - 23.00% of mass 442	23.44 (19.67)

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D\U-8270.rslt\spectra.d
Injection Date: 27-Dec-2012 11:07:30
Spectrum: Tune Spec: Scans 554-556(7.32-7.33)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 210

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1022	125.00	1101	186.00	27128	265.00	2599
39.00	5519	127.00	89424	187.00	7227	266.00	471
49.00	219	128.00	7441	188.00	816	273.00	3276
50.00	18312	129.00	36128	189.00	1814	274.00	9656
51.00	72080	130.00	3156	191.00	937	275.00	53272
52.00	3802	131.00	515	192.00	2073	276.00	7164
55.00	194	132.00	243	193.00	2533	277.00	4261
56.00	2131	134.00	1157	194.00	383	278.00	849
57.00	5219	135.00	3115	196.00	5913	283.00	222
61.00	1020	136.00	1242	198.00	190272	284.00	172
62.00	964	137.00	1351	199.00	13137	285.00	757
63.00	2971	138.00	195	200.00	1023	293.00	978
64.00	379	140.00	392	201.00	983	296.00	13476
65.00	1498	141.00	4940	202.00	256	297.00	1910
69.00	70712	142.00	1584	203.00	1433	303.00	1730
73.00	378	143.00	983	204.00	6779	304.00	239
74.00	7658	145.00	179	205.00	11374	314.00	707
75.00	11882	146.00	887	206.00	47736	315.00	1812
77.00	79456	147.00	2405	207.00	6483	316.00	996
78.00	5542	148.00	4896	208.00	1704	321.00	273
79.00	5429	149.00	1272	209.00	677	323.00	5067
80.00	4213	150.00	184	210.00	260	324.00	985
81.00	5995	151.00	609	211.00	2189	327.00	921
82.00	1582	152.00	194	215.00	466	328.00	209
83.00	1232	153.00	1456	217.00	12243	333.00	196
84.00	176	154.00	1206	218.00	1663	334.00	3434
85.00	1371	155.00	2722	221.00	10051	335.00	904
86.00	1777	156.00	4269	223.00	1582	341.00	713
87.00	893	157.00	714	224.00	25472	346.00	1142
91.00	1515	158.00	931	225.00	6535	352.00	1423
92.00	1538	159.00	479	227.00	10967	353.00	1154
93.00	8969	160.00	1491	228.00	1774	354.00	1698
94.00	564	161.00	2125	229.00	2160	365.00	7046

Report Date: 27-Dec-2012 11:21:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48
Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D\U-8270.rslt\spectra.d
Injection Date: 27-Dec-2012 11:07:30
Spectrum: Tune Spec: Scans 554-556(7.32-7.33)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 210

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	447	162.00	565	230.00	176	366.00	843
98.00	7117	165.00	2129	231.00	905	371.00	219
99.00	5672	166.00	1319	234.00	865	372.00	2916
100.00	217	167.00	9184	235.00	850	373.00	786
101.00	3398	168.00	4128	236.00	433	383.00	977
103.00	1153	169.00	731	237.00	839	390.00	167
104.00	2409	171.00	239	239.00	374	391.00	185
105.00	2005	172.00	973	241.00	627	402.00	1164
107.00	25664	173.00	1086	242.00	1315	403.00	1688
108.00	3870	174.00	1982	244.00	20128	404.00	448
110.00	47472	175.00	3785	245.00	2769	421.00	1651
111.00	6906	176.00	907	246.00	3967	422.00	377
112.00	1038	177.00	1833	247.00	961	423.00	12643
116.00	717	178.00	289	249.00	885	424.00	2596
117.00	19488	179.00	7056	253.00	441	441.00	27600
118.00	1332	180.00	4481	255.00	107880	442.00	226752
120.00	183	181.00	2088	256.00	16056	443.00	44608
122.00	1740	182.00	172	257.00	1313	444.00	3863
123.00	2684	184.00	702	258.00	6621		
124.00	1175	185.00	3593	259.00	970		

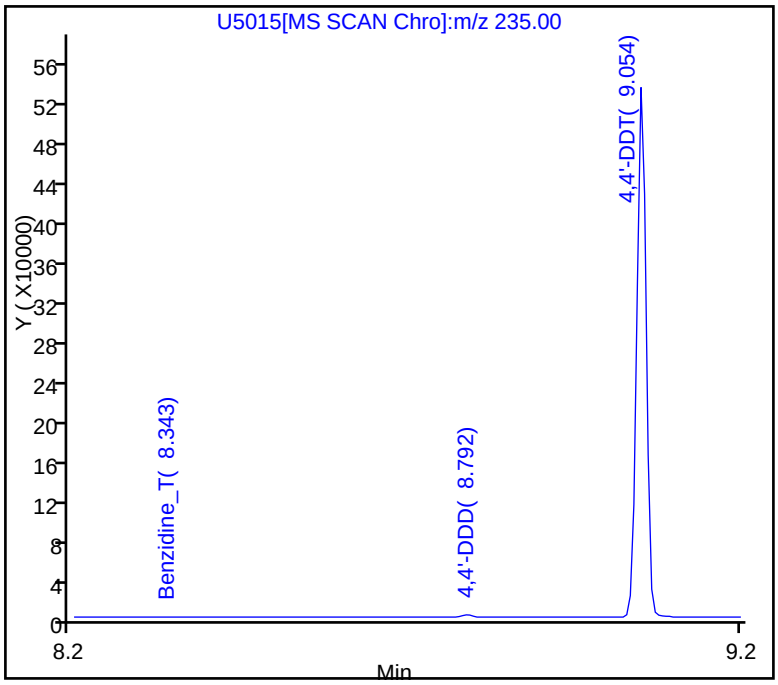
Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D

Injection Date:	27-Dec-2012 11:07:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

141 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

141 4,4'-DDT, Area = 524670
137 4,4'-DDD, Area = 2287
134 4,4'-DDE, Area = 0

%Breakdown: 0.43%, Max Limit: 20.00%
Passed

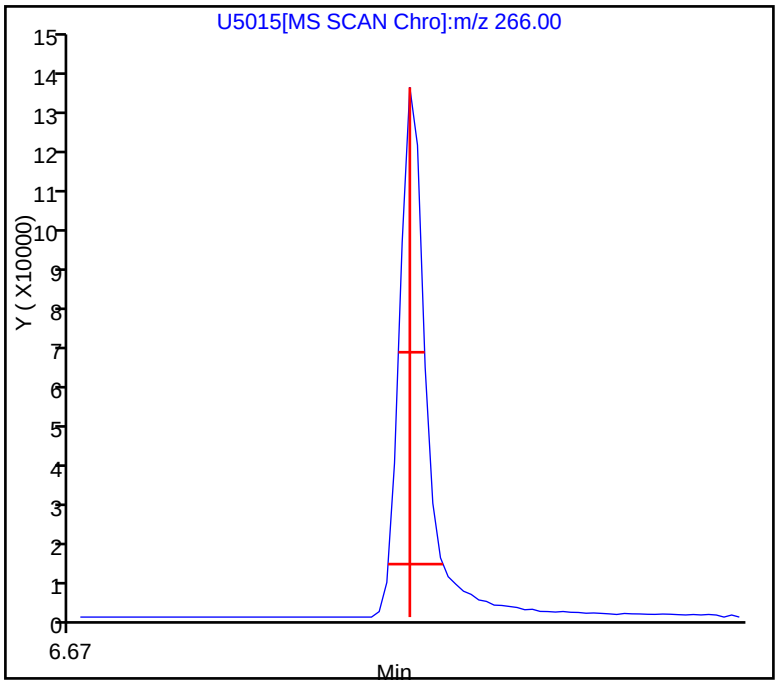
Report Date: 27-Dec-2012 11:21:05 Chrom Revision: 2.0 22-Oct-2012 16:30:48

Peak Tailing Report

TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D		
Injection Date:	27-Dec-2012 11:07:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

108 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 5.00
Passed

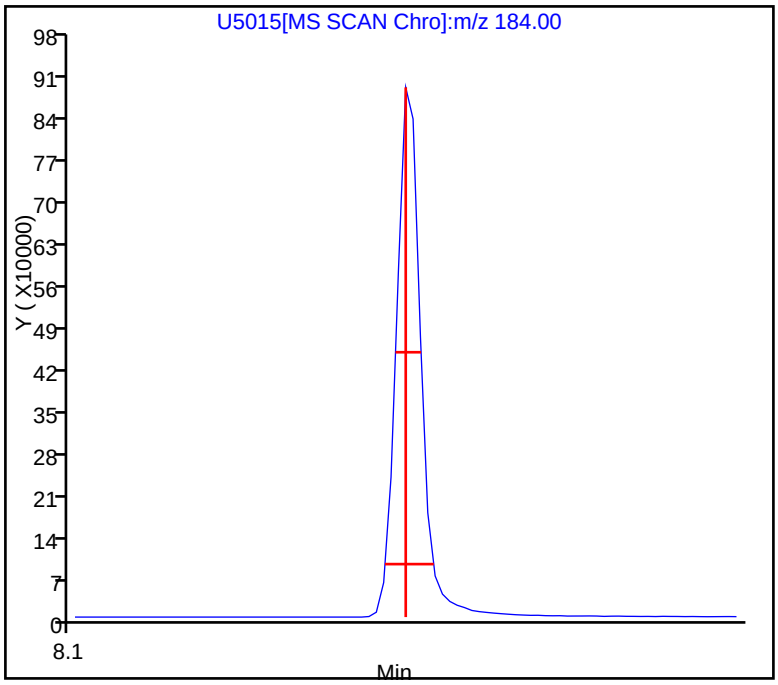
Peak Tailing Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5015.D

Injection Date:	27-Dec-2012 11:07:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	1
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

130 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97415/1-A

Matrix: Water | Lab File ID: U5018.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:11

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.44
95-50-1	1,2-Dichlorobenzene	ND		10	0.40
541-73-1	1,3-Dichlorobenzene	ND		10	0.48
106-46-7	1,4-Dichlorobenzene	ND		10	0.46
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
120-12-7	Anthracene	ND		5.0	0.28
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97415/1-A

Matrix: Water | Lab File ID: U5018.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:11

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97415/1-A

Matrix: Water | Lab File ID: U5018.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:11

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		52-132
321-60-8	2-Fluorobiphenyl	87		48-120
367-12-4	2-Fluorophenol	41		20-120
4165-60-0	Nitrobenzene-d5	80		46-120
4165-62-2	Phenol-d5	30		16-120
1718-51-0	p-Terphenyl-d14	92		67-150

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

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-97415/1-A

Matrix: Water | Lab File ID: U5018.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:11

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.: 97535 | Units: ug/L

Number TICs Found: 1 | TIC Result Total: 4.87

CAS NO.	COMPOUND NAME	RT	RESULT	Q
55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy	13.67	4.87	T J N

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5018.D
Lims ID: MB 480-97415/1-A Client ID:
Inject. Date: 27-Dec-2012 12:11:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0017888-004
Misc. Info.:
Operator: ANM Instrument ID: HP5973U
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 97535 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 13:17:54 Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna Date: 27-Dec-2012 13:17:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.927	5.927	0.0	94	86474	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	337863	40.0	
* 3 Acenaphthene-d10	164	9.864	9.864	0.0	92	198707	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	98	343395	40.0	
* 5 Chrysene-d12	240	14.063	14.069	-0.006	76	374406	40.0	
* 6 Perylene-d12	264	15.410	15.409	0.001	78	420832	40.0	
$ 9 2-Fluorophenol	112	4.202	4.207	-0.005	96	198103	61.5	
$ 10 Phenol-d5	99	5.468	5.468	0.0	71	169313	45.7	
$ 11 Nitrobenzene-d5	82	6.659	6.664	-0.005	92	242961	80.0	
$ 12 2-Fluorobiphenyl	172	9.010	9.009	0.001	99	549127	87.0	
$ 13 2,4,6-Tribromophenol	330	10.821	10.820	0.001	92	134418	149.9	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	78	747970	91.9	
40 1-Methylcyclopentanol	1		0.000					
243 Tetramethyl lead TIC	1		0.000					
241 2,4-Toluene diamine	1		0.000					
74 3-Chlorotoluene	1		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
30 Dicyclohexylamine	1		0.000					
18 CU-600	1		0.000					
245 1-Bromopropane	1		0.000					
32 Quinoline	129		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
48 2-Chloropyridine	1		0.000					
232 4,4'-Methylene bis(2-chloroanili	1		0.000					
64 9-Octadecenamide	1		0.000					
225 CBF-400	1		0.000					
235 Octachlorostyrene	1		0.000					
60 Benzeneacetonitrile	1		0.000					
37 1-Hydroxyanthraquinone	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
17 CN-500	1		0.000					
15 Lidocaine	1		0.000					
228 o-Anisidine TIC	1		0.000					
24 Dibenzo[a,e]pyrene	1		0.000					
75 3-Chloropyridine	1		0.000					
56 Benzeneacetic acid (TIC)	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
238 Dibenzo[a,h]pyrene	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
19 NVF-400	1		0.000					
33 o-Anisidine	1		0.000					
236 Dibenz[a,j]acridine	279		0.000					
224 5-Methyl-o-Anisidine TIC	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
70 Phenylacetic Acid	1		0.000					
62 Anthraquinone	1		0.000					
240 1,2:7,8-Dibenzpyrene	1		0.000					
68 4-Chloropyridine	1		0.000					
22 N-Methylaniline	1		0.000					
51 2-Chloroaniline	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
230 2,4-Xylidine TIC	1		0.000					
41 2-Chlorotoluene	91		0.000					
52 2,6-Dichlorotoluene	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
229 1,3-phenylenediamine TIC	1		0.000					
49 2,6-Dichloropyridine	1		0.000					
234 7H-Dibenzo[c,g]carbazole	1		0.000					
36 2,3-Dichlorophenol	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
226 Tris(2,3-dibromopropyl)phosphate	1		0.000					
61 CAG-800	1		0.000					
237 Dibenz[a,h]acridine	279		0.000					
242 alpha,alpha-Dimethyl phenethylam	1		0.000					
59 Tricresyl phosphate	1		0.000					
73 4-Methylbenzenamine	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
239 Benzo[j]fluoranthene	1		0.000					
34 1,4-Dihydroxyanthraquinone	1		0.000					
54 p-Fluoroaniline	1		0.000					
45 2-Aminopyridine	1		0.000					
67 4-Chlorotoluene	91		0.000					
31 Dimethylformamide	1		0.000					
227 CBF-500	1		0.000					
244 Hexamethyldisiloxane TIC	1		0.000					
27 Pendimethalin	1		0.000					
81 N-Nitrosodimethylamine	42		2.567					
80 1,4-Dioxane	88		2.620					
82 Pyridine	52		2.631					
83 2-Picoline	93		2.978					
84 N-Nitrosomethylethylamine	88		3.112					9
85 Methyl methanesulfonate	80		3.582					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 N-Nitrosodiethylamine	102		4.186					9
87 Ethyl methanesulfonate	79		4.640					
88 Benzaldehyde	77		5.350					
92 Pentachloroethane	167		5.356					
89 Phenol	94		5.489					
90 Aniline	93		5.494					
91 Bis(2-chloroethyl)ether	93		5.585					
93 2-Chlorophenol	128		5.654					
94 1,3-Dichlorobenzene	146		5.852					
95 1,4-Dichlorobenzene	146		5.954					
96 Benzyl alcohol	108		6.125					
97 1,2-Dichlorobenzene	146		6.146					
100 N-Nitrosopyrrolidine	100		6.264					
98 2-Methylphenol	108		6.285					
99 2,2'-oxybis[1-chloropropane]	45		6.301					
103 N-Nitrosomorpholine	56		6.323					
105 2-Toluidine	106		6.371					
104 Acetophenone	105		6.461					9
101 N-Nitrosodi-n-propylamine	70		6.472					9
102 4-Methylphenol	108		6.493					
106 Hexachloroethane	117		6.589					
107 Nitrobenzene	77		6.691					9
109 N-Nitrosopiperidine	114		6.734					
108 Pentachlorophenol_T	266		6.906					
110 Isophorone	82		7.006					
111 2-Nitrophenol	139		7.108					
116 o,o',o''-Triethylphosphorothioat	198		7.156					
112 2,4-Dimethylphenol	107		7.188					
113 Tetraethyl lead	237		7.214					
118 alpha,alpha-Dimethyl phenethylam	58		7.295					
115 Bis(2-chloroethoxy)methane	93		7.305					
119 Benzoic acid	105		7.412					
117 2,4-Dichlorophenol	162		7.433					
120 1,2,4-Trichlorobenzene	180		7.530					
66 4-Chlorophenol	128		7.535					9
122 Alpha-Terpineol	59		7.541					
121 Naphthalene	128		7.626					9
123 4-Chloroaniline	127		7.711					
124 2,6-Dichlorophenol	162		7.733					
125 Hexachloropropene	213		7.749					
126 Hexachlorobutadiene	225		7.791					
129 N-Nitrosodi-n-butylamine	84		8.017					
128 p-Phenylene diamine	108		8.054					
127 Caprolactam	113		8.149					
130 Benzidine_T	184		8.343					
131 4-Chloro-3-methylphenol	107		8.374					
132 Safrole, Total	162		8.438					
135 Phthalic anhydride	104		8.486					
134 4,4'-DDE	246		8.503					
133 2-Methylnaphthalene	142		8.529					
42 1,4-Naphthoquinone	158		8.666					
136 Hexachlorocyclopentadiene	237		8.732					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
138 1,2,4,5-Tetrachlorobenzene	216		8.742					
137 4,4'-DDD	235		8.792					
139 2,4,6-Trichlorophenol	196		8.908					
140 2,4,5-Trichlorophenol	196		8.961					
141 4,4'-DDT	235		9.054					
142 Isosafrole	162		9.111					
144 1,1'-Biphenyl	154		9.132					9
143 2-Chloronaphthalene	162		9.154					
145 2-Nitroaniline	65		9.303					
147 Dimethyl phthalate	163		9.544					9
50 1,3-Dinitrobenzene	168		9.613					
146 1,4-Dinitrobenzene	168		9.613					
148 2,6-Dinitrotoluene	165		9.624					
149 Acenaphthylene	152		9.683					
150 3-Nitroaniline	138		9.843					
151 Acenaphthene	153		9.907					
152 2,4-Dinitrophenol	184		9.971					
156 Pentachlorobenzene	250		10.094					
153 4-Nitrophenol	109		10.105					
157 1-Naphthylamine	143		10.116					
155 Dibenzofuran	168		10.126					
154 2,4-Dinitrotoluene	165		10.126					
159 2-Naphthylamine	143		10.212					
158 2,3,4,6-Tetrachlorophenol	232		10.286					
163 Thionazin	97		10.415					
160 Diethyl phthalate	149		10.425					9
165 N-Nitro-o-toluidine	152		10.452					
161 Fluorene	166		10.537					
162 4-Chlorophenyl phenyl ether	204		10.543					
29 Tributyl phosphate	99		10.586					
164 4-Nitroaniline	138		10.591					
166 4,6-Dinitro-2-methylphenol	198		10.612					
167 N-Nitrosodiphenylamine	169		10.687					9
169 Diphenylamine	169		10.708					9
168 1,2-Diphenylhydrazine	77		10.724					9
170 Azobenzene	77		10.746					9
171 Sulfotepp	322		10.783					
174 Phorate	75		10.922					
173 Diallate	43		10.922					
172 1,3,5-Trinitrobenzene	213		11.072					
175 Phenacetin	108		11.088					
176 4-Bromophenyl phenyl ether	248		11.098					
178 Dimethoate	87		11.104					
177 Hexachlorobenzene	284		11.157					
179 Simazine	201		11.157					
182 4-Aminobiphenyl	169		11.280					
180 Atrazine	200		11.296					
181 Pentachlorophenol	266		11.381					
183 Pentachloronitrobenzene	237		11.413					
184 Pronamide	173		11.478					
186 Dinoseb	211		11.489					
187 Disulfoton	88		11.489					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
185 Phenanthrene	178		11.600					9
188 Anthracene	178		11.654					9
189 Carbazole	167		11.830					
190 Methyl parathion	109		11.868					
191 Alachlor	160		11.879					
192 Di-n-butyl phthalate	149		12.172					9
193 Ethyl Parathion	97		12.253					
195 Methapyrilene	58		12.397					
194 4-Nitroquinoline-1-oxide	190		12.423					
196 Isodrin	193		12.653					
197 Fluoranthene	202		12.776					
198 Benzidine	184		12.904					
199 Pyrene	202		12.989					9
200 Aramite, Total	185		13.123					9
201 p-Dimethylamino azobenzene	120		13.145					9
202 Chlorobenzilate	139		13.315					
204 Famphur	218		13.401					
205 Butyl benzyl phthalate	149		13.556					
203 3,3'-Dimethylbenzidine	212		13.556					
206 Kepone	272		13.625					
207 2-Acetylaminofluorene	181		13.668					
208 3,3'-Dichlorobenzidine	252		14.031					
210 Bis(2-ethylhexyl) phthalate	149		14.042					9
209 Benzo[a]anthracene	228		14.058					9
211 Chrysene	228		14.090					9
212 Di-n-octyl phthalate	149		14.597					
215 7,12-Dimethylbenz(a)anthracene	256		14.854					
216 Hexachlorophene	196		15.020					
213 Benzo[b]fluoranthene	252		15.030					
214 Benzo[k]fluoranthene	252		15.057					
217 Benzo[a]pyrene	252		15.356					9
218 3-Methylcholanthrene	252		15.501					9
219 Indeno[1,2,3-cd]pyrene	276		16.617					
220 Dibenz(a,h)anthracene	278		16.627					
221 Benzo[g,h,i]perylene	276		16.969					
S 222 Total Cresols	1		0.000					
S 77 3 & 4 Methylphenol	108		0.000					
S 78 3-Methylphenol	1		0.000					
S 233 EPH Adjustment 1	1		0.000					
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1
T 231 2,3,7,8-TCDD	1		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1
T 28 Pendimethalin (TIC)	1		0.000					1
T 26 trans Azobenzene (TIC)	77		0.000					1

QC Flag Legend

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

TestAmerica Buffalo
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5018.D		
Lims ID:	MB 480-97415/1-A	Client ID:	
Inject. Date:	27-Dec-2012 12:11:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0017888-004		
Misc. Info.:			
Operator:	ANM	Instrument ID:	HP5973U
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	97535	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m		
Last Update:	27-Dec-2012 13:17:54	Calib Date:	20-Nov-2012 15:39:30
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:	10		
Process Host:	XAWRK012		
First Level Reviewer: mcgoverna		Date:	27-Dec-2012 13:17:54

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy				
13.668	116936	4.87	5	45	113164	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 5 Chrysene-d12	14.063	960344	40.0

QC Flag Legend

Processing Flags

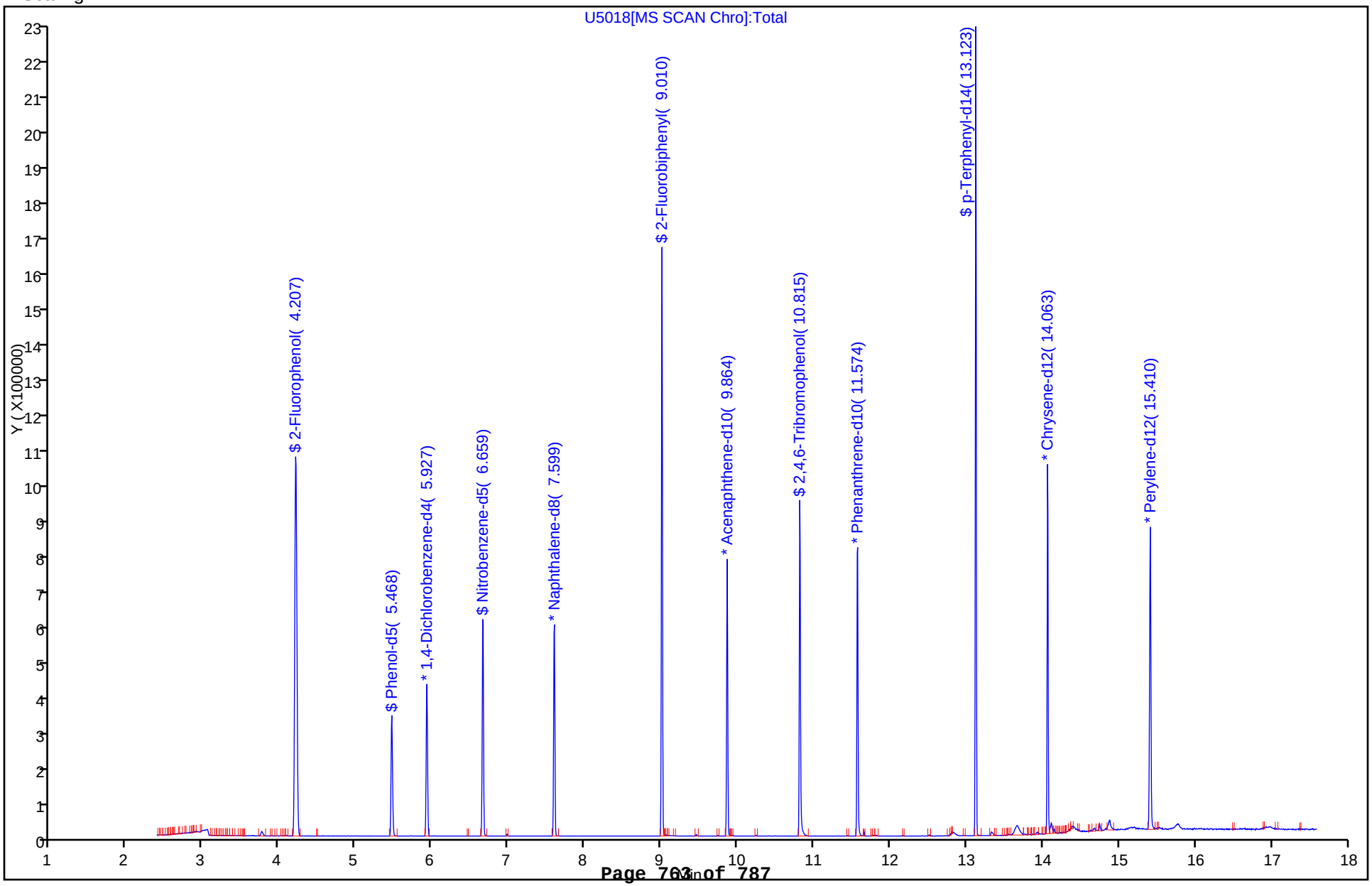
Report Date: 27-Dec-2012 13:17:55 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

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Injection Date:	27-Dec-2012 12:11:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



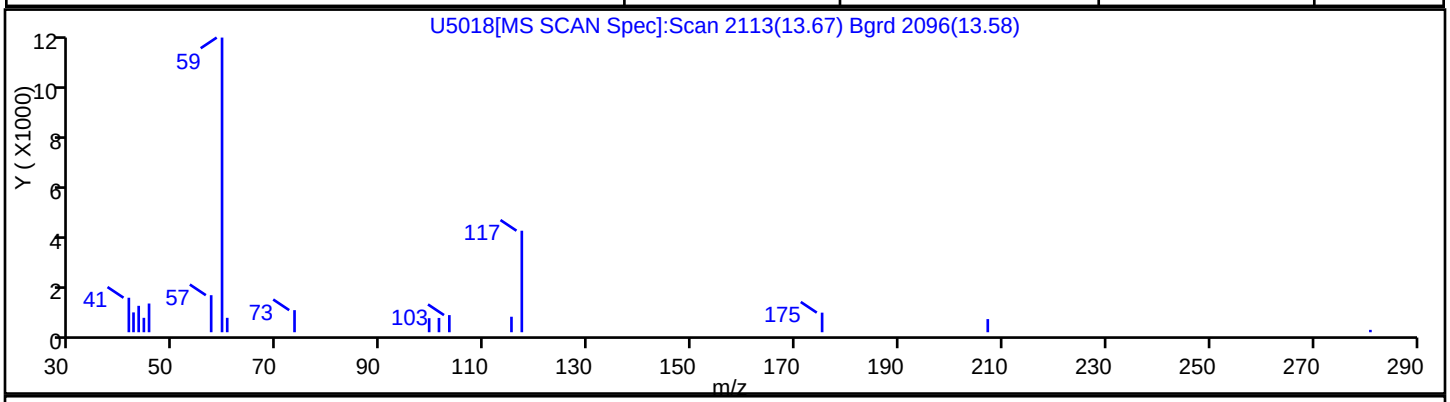
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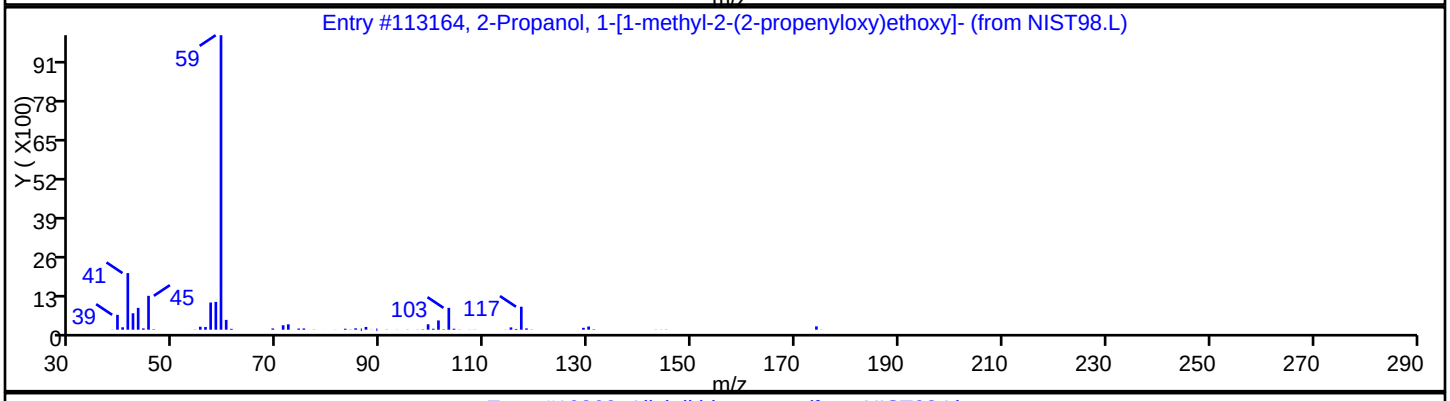
TestAmerica Buffalo

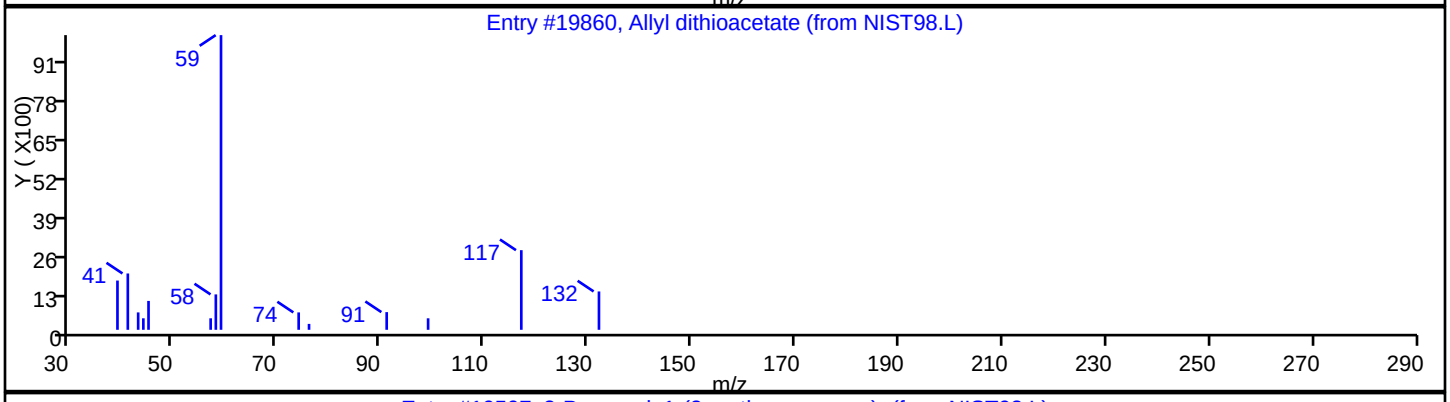
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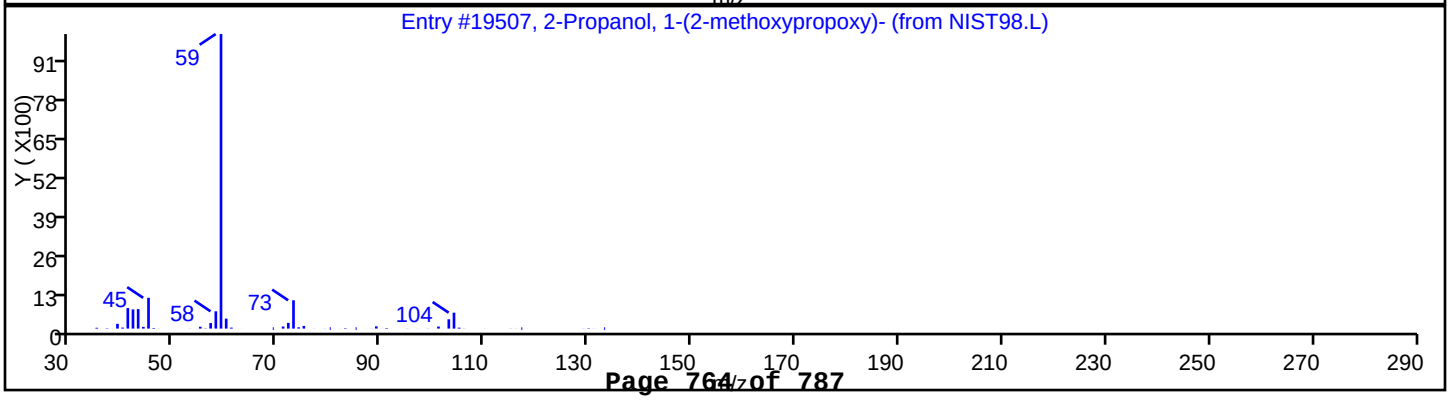
Injection Date:	27-Dec-2012 12:11:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	4
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	55956-25-7	NIST98.L	113164	45
Allyl dithioacetate	1000143-97-6	NIST98.L	19860	45
2-Propanol, 1-(2-methoxypropoxy)-	13429-7-7	NIST98.L	19507	40









FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97415/2-A

Matrix: Water | Lab File ID: U5019.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:35

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	72.2		10	0.44
95-50-1	1,2-Dichlorobenzene	66.5		10	0.40
541-73-1	1,3-Dichlorobenzene	62.3		10	0.48
106-46-7	1,4-Dichlorobenzene	63.7		10	0.46
108-60-1	2,2'-Oxybis(1-chloropropane)	75.3		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	95.5		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	96.9		5.0	0.61
120-83-2	2,4-Dichlorophenol	95.0		5.0	0.51
105-67-9	2,4-Dimethylphenol	92.8		5.0	0.50
51-28-5	2,4-Dinitrophenol	119		10	2.2
121-14-2	2,4-Dinitrotoluene	107		5.0	0.45
606-20-2	2,6-Dinitrotoluene	99.9		5.0	0.40
91-58-7	2-Chloronaphthalene	85.1		5.0	0.46
95-57-8	2-Chlorophenol	75.8		5.0	0.53
91-57-6	2-Methylnaphthalene	88.1		5.0	0.60
95-48-7	2-Methylphenol	75.9		5.0	0.40
88-74-4	2-Nitroaniline	99.3		10	0.42
88-75-5	2-Nitrophenol	87.7		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	78.3		5.0	0.40
99-09-2	3-Nitroaniline	91.6		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	112		10	2.2
101-55-3	4-Bromophenyl phenyl ether	103		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	99.5		5.0	0.45
106-47-8	4-Chloroaniline	85.9		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	98.6		5.0	0.35
106-44-5	4-Methylphenol	151		10	0.36
100-01-6	4-Nitroaniline	99.3		10	0.25
100-02-7	4-Nitrophenol	54.6		10	1.5
83-32-9	Acenaphthene	96.5		5.0	0.41
208-96-8	Acenaphthylene	96.6		5.0	0.38
120-12-7	Anthracene	105		5.0	0.28
100-52-7	Benzaldehyde	79.5		5.0	0.27
56-55-3	Benzo(a)anthracene	103		5.0	0.36
50-32-8	Benzo(a)pyrene	108		5.0	0.47

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97415/2-A

Matrix: Water | Lab File ID: U5019.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:35

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	106		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	116		5.0	0.35
207-08-9	Benzo(k)fluoranthene	97.1		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	81.0		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	72.5		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	102		5.0	1.8
85-68-7	Butyl benzyl phthalate	99.5		5.0	0.42
86-74-8	Carbazole	103		5.0	0.30
218-01-9	Chrysene	97.7		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	115		5.0	0.42
132-64-9	Dibenzofuran	98.5		10	0.51
84-66-2	Diethyl phthalate	97.7		5.0	0.22
131-11-3	Dimethyl phthalate	95.9		5.0	0.36
84-74-2	Di-n-butyl phthalate	103		5.0	0.31
117-84-0	Di-n-octyl phthalate	104		5.0	0.47
206-44-0	Fluoranthene	106		5.0	0.40
86-73-7	Fluorene	106		5.0	0.36
118-74-1	Hexachlorobenzene	102		5.0	0.51
87-68-3	Hexachlorobutadiene	67.0		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	76.5		5.0	0.59
67-72-1	Hexachloroethane	59.4		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	113		5.0	0.47
78-59-1	Isophorone	87.0		5.0	0.43
91-20-3	Naphthalene	80.4		5.0	0.76
98-95-3	Nitrobenzene	83.9		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	86.3		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	115		5.0	0.51
87-86-5	Pentachlorophenol	108		10	2.2
85-01-8	Phenanthrene	102		5.0	0.44
108-95-2	Phenol	44.1		5.0	0.39
129-00-0	Pyrene	100		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-97415/2-A

Matrix: Water | Lab File ID: U5019.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:35

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	112		52-132
321-60-8	2-Fluorobiphenyl	91		48-120
367-12-4	2-Fluorophenol	46		20-120
4165-60-0	Nitrobenzene-d5	85		46-120
4165-62-2	Phenol-d5	36		16-120
1718-51-0	p-Terphenyl-d14	99		67-150

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5019.D
Lims ID: LCS 480-97415/2-A Client ID:
Inject. Date: 27-Dec-2012 12:35:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0017888-005
Misc. Info.:
Operator: ANM Instrument ID: HP5973U
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 97535 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 13:19:47 Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna Date: 27-Dec-2012 13:19:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.932	5.927	0.005	96	93383	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	368658	40.0	
* 3 Acenaphthene-d10	164	9.870	9.864	0.006	86	226352	40.0	
* 4 Phenanthrene-d10	188	11.574	11.574	0.0	84	376653	40.0	
* 5 Chrysene-d12	240	14.074	14.069	0.005	72	409217	40.0	
* 6 Perylene-d12	264	15.415	15.409	0.006	78	486421	40.0	
$ 9 2-Fluorophenol	112	4.207	4.207	0.0	96	242527	69.7	
$ 10 Phenol-d5	99	5.473	5.468	0.005	88	217182	54.3	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	92	280438	84.6	
$ 12 2-Fluorobiphenyl	172	9.015	9.009	0.006	99	655069	91.1	
$ 13 2,4,6-Tribromophenol	330	10.826	10.820	0.006	92	165158	168.0	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	77	877657	98.7	
81 N-Nitrosodimethylamine	42	2.567	2.567	0.0	79	76843	52.5	
80 1,4-Dioxane	88		2.620					
82 Pyridine	52	2.620	2.631	-0.011	90	115999	41.3	
88 Benzaldehyde	77	5.350	5.350	0.0	87	192181	79.5	
89 Phenol	94	5.489	5.489	0.0	94	187630	44.1	
90 Aniline	93	5.500	5.494	0.006	86	343115	64.3	
91 Bis(2-chloroethyl)ether	93	5.585	5.585	0.0	88	250024	72.5	
93 2-Chlorophenol	128	5.660	5.654	0.006	96	266329	75.8	
94 1,3-Dichlorobenzene	146	5.852	5.852	0.0	89	234060	62.3	
95 1,4-Dichlorobenzene	146	5.954	5.954	0.0	79	245139	63.7	
96 Benzyl alcohol	108	6.125	6.125	0.0	90	171938	75.8	
97 1,2-Dichlorobenzene	146	6.151	6.146	0.005	83	239036	66.5	
98 2-Methylphenol	108	6.290	6.285	0.005	97	240702	75.9	
99 2,2'-oxybis[1-chloropropane]	45	6.306	6.301	0.005	89	330593	75.3	
104 Acetophenone	105	6.472	6.461	0.011	90	376185	85.4	
101 N-Nitrosodi-n-propylamine	70	6.477	6.472	0.005	85	208029	86.3	
102 4-Methylphenol	108	6.504	6.493	0.011	94	483530	151.4	
106 Hexachloroethane	117	6.595	6.589	0.006	96	81362	59.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77	6.691	6.691	0.0	84	286049	83.9	
110 Isophorone	82	7.011	7.006	0.005	96	534242	87.0	
111 2-Nitrophenol	139	7.108	7.108	0.0	95	161959	87.7	
112 2,4-Dimethylphenol	107	7.193	7.188	0.005	96	308649	92.8	
113 Tetraethyl lead	237	7.214	7.214	0.0	89	24988	22.8	
115 Bis(2-chloroethoxy)methane	93	7.305	7.305	0.0	96	311879	81.0	
119 Benzoic acid	105	7.321	7.412	-0.091	78	47810	17.7	
117 2,4-Dichlorophenol	162	7.433	7.433	0.0	91	250808	95.0	
120 1,2,4-Trichlorobenzene	180	7.530	7.530	0.0	87	207405	72.2	
121 Naphthalene	128	7.626	7.626	0.0	98	763202	80.4	
123 4-Chloroaniline	127	7.717	7.711	0.006	83	348578	85.9	
126 Hexachlorobutadiene	225	7.791	7.791	0.0	91	102086	67.0	
127 Caprolactam	113	8.192	8.149	0.043	70	30217	30.2	
131 4-Chloro-3-methylphenol	107	8.379	8.374	0.005	87	293715	99.5	
133 2-Methylnaphthalene	142	8.529	8.529	0.0	86	544570	88.1	
136 Hexachlorocyclopentadiene	237	8.732	8.732	0.0	85	135800	76.5	
139 2,4,6-Trichlorophenol	196	8.908	8.908	0.0	92	188946	96.9	
140 2,4,5-Trichlorophenol	196	8.967	8.961	0.006	91	201720	95.5	
144 1,1'-Biphenyl	154	9.138	9.132	0.006	95	702891	89.5	
143 2-Chloronaphthalene	162	9.159	9.154	0.005	97	530061	85.1	
145 2-Nitroaniline	65	9.309	9.303	0.006	81	192616	99.3	
147 Dimethyl phthalate	163	9.560	9.544	0.016	98	706686	95.9	
50 1,3-Dinitrobenzene	168		9.613					
146 1,4-Dinitrobenzene	168		9.613					
148 2,6-Dinitrotoluene	165	9.629	9.624	0.005	90	169926	99.9	
149 Acenaphthylene	152	9.688	9.683	0.005	85	945383	96.6	
150 3-Nitroaniline	138	9.848	9.843	0.005	90	178895	91.6	
151 Acenaphthene	153	9.912	9.907	0.005	94	590991	96.5	
152 2,4-Dinitrophenol	184	9.982	9.971	0.011	81	100258	118.9	
153 4-Nitrophenol	109	10.115	10.105	0.010	66	57980	54.6	
155 Dibenzofuran	168	10.126	10.126	0.0	82	855221	98.5	
154 2,4-Dinitrotoluene	165	10.137	10.126	0.011	86	233129	107.0	
158 2,3,4,6-Tetrachlorophenol	232	10.292	10.286	0.006	91	166688	120.9	
160 Diethyl phthalate	149	10.430	10.425	0.005	97	702526	97.7	
161 Fluorene	166	10.537	10.537	0.0	74	725142	105.7	
162 4-Chlorophenyl phenyl ether	204	10.548	10.543	0.005	92	335694	98.6	
164 4-Nitroaniline	138	10.601	10.591	0.010	85	202851	99.3	
166 4,6-Dinitro-2-methylphenol	198	10.623	10.612	0.011	77	143108	111.7	
167 N-Nitrosodiphenylamine	169	10.692	10.687	0.005	91	554925	115.1	
168 1,2-Diphenylhydrazine	77	10.730	10.724	0.006	98	662003	92.4	
176 4-Bromophenyl phenyl ether	248	11.098	11.098	0.0	89	199661	103.0	
177 Hexachlorobenzene	284	11.157	11.157	0.0	85	217626	102.5	
180 Atrazine	200	11.301	11.296	0.005	88	216417	116.0	
181 Pentachlorophenol	266	11.387	11.381	0.006	80	125268	107.9	
185 Phenanthrene	178	11.606	11.600	0.006	83	1019265	102.2	
188 Anthracene	178	11.659	11.654	0.005	83	1052410	105.1	
189 Carbazole	167	11.835	11.830	0.005	80	998140	102.6	
192 Di-n-butyl phthalate	149	12.177	12.172	0.005	100	1184336	103.4	
197 Fluoranthene	202	12.776	12.776	0.0	82	1137951	105.8	
198 Benzidine	184	12.909	12.904	0.005	87	439287	66.0	
199 Pyrene	202	12.989	12.989	0.0	95	1175434	100.2	
205 Butyl benzyl phthalate	149	13.556	13.556	0.0	96	563506	99.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 3,3'-Dichlorobenzidine	252	14.036	14.031	0.005	86	341947	78.3	
210 Bis(2-ethylhexyl) phthalate	149	14.042	14.042	0.0	94	791856	102.3	
209 Benzo[a]anthracene	228	14.063	14.058	0.005	83	1125664	102.5	
211 Chrysene	228	14.101	14.090	0.011	85	1097319	97.7	
212 Di-n-octyl phthalate	149	14.597	14.597	0.0	99	1354008	104.3	
213 Benzo[b]fluoranthene	252	15.035	15.030	0.005	79	1281673	105.9	
214 Benzo[k]fluoranthene	252	15.068	15.057	0.011	79	1259533	97.1	
217 Benzo[a]pyrene	252	15.367	15.356	0.011	80	1155530	107.7	
219 Indeno[1,2,3-cd]pyrene	276	16.638	16.617	0.021	76	1604242	112.8	
220 Dibenz(a,h)anthracene	278	16.643	16.627	0.016	54	1395340	114.9	
221 Benzo[g,h,i]perylene	276	16.991	16.969	0.022	79	1397192	116.0	
S 78 3-Methylphenol	1				0		151.4	

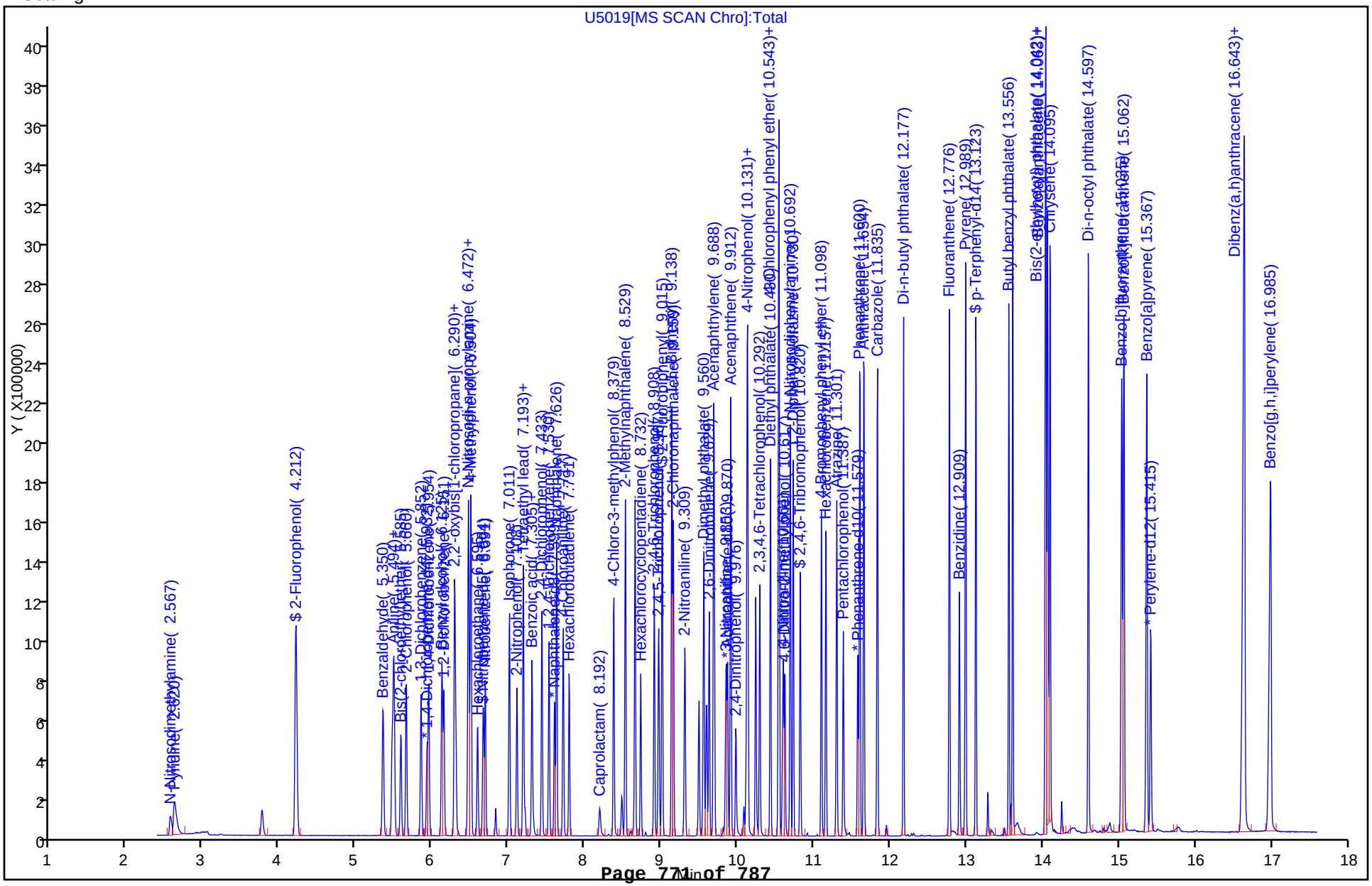
Report Date: 27-Dec-2012 13:19:47 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5019.D

Injection Date:	27-Dec-2012 12:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	5
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-97415/3-A

Matrix: Water | Lab File ID: U5020.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:59

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
120-82-1	1,2,4-Trichlorobenzene	70.6		10	0.44
95-50-1	1,2-Dichlorobenzene	63.1		10	0.40
541-73-1	1,3-Dichlorobenzene	60.2		10	0.48
106-46-7	1,4-Dichlorobenzene	60.9		10	0.46
108-60-1	2,2'-Oxybis(1-chloropropane)	71.7		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	96.3		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	94.7		5.0	0.61
120-83-2	2,4-Dichlorophenol	92.8		5.0	0.51
105-67-9	2,4-Dimethylphenol	90.0		5.0	0.50
51-28-5	2,4-Dinitrophenol	118		10	2.2
121-14-2	2,4-Dinitrotoluene	105		5.0	0.45
606-20-2	2,6-Dinitrotoluene	98.5		5.0	0.40
91-58-7	2-Chloronaphthalene	83.8		5.0	0.46
95-57-8	2-Chlorophenol	74.6		5.0	0.53
91-57-6	2-Methylnaphthalene	87.3		5.0	0.60
95-48-7	2-Methylphenol	74.0		5.0	0.40
88-74-4	2-Nitroaniline	98.1		10	0.42
88-75-5	2-Nitrophenol	87.4		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	78.2		5.0	0.40
99-09-2	3-Nitroaniline	91.4		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	111		10	2.2
101-55-3	4-Bromophenyl phenyl ether	100		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	96.4		5.0	0.45
106-47-8	4-Chloroaniline	82.5		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	97.1		5.0	0.35
106-44-5	4-Methylphenol	147		10	0.36
100-01-6	4-Nitroaniline	96.1		10	0.25
100-02-7	4-Nitrophenol	55.7		10	1.5
83-32-9	Acenaphthene	95.1		5.0	0.41
208-96-8	Acenaphthylene	95.3		5.0	0.38
120-12-7	Anthracene	103		5.0	0.28
100-52-7	Benzaldehyde	75.5		5.0	0.27
56-55-3	Benzo(a)anthracene	101		5.0	0.36
50-32-8	Benzo(a)pyrene	105		5.0	0.47

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-97415/3-A

Matrix: Water | Lab File ID: U5020.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:59

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.: 97535 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo(b)fluoranthene	96.4		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	114		5.0	0.35
207-08-9	Benzo(k)fluoranthene	104		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	78.4		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	70.4		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	99.9		5.0	1.8
85-68-7	Butyl benzyl phthalate	98.0		5.0	0.42
86-74-8	Carbazole	99.3		5.0	0.30
218-01-9	Chrysene	95.9		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	113		5.0	0.42
132-64-9	Dibenzofuran	96.9		10	0.51
84-66-2	Diethyl phthalate	96.4		5.0	0.22
131-11-3	Dimethyl phthalate	94.1		5.0	0.36
84-74-2	Di-n-butyl phthalate	101		5.0	0.31
117-84-0	Di-n-octyl phthalate	103		5.0	0.47
206-44-0	Fluoranthene	104		5.0	0.40
86-73-7	Fluorene	104		5.0	0.36
118-74-1	Hexachlorobenzene	99.6		5.0	0.51
87-68-3	Hexachlorobutadiene	65.6		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	76.8		5.0	0.59
67-72-1	Hexachloroethane	56.7		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	110		5.0	0.47
78-59-1	Isophorone	85.1		5.0	0.43
91-20-3	Naphthalene	78.4		5.0	0.76
98-95-3	Nitrobenzene	82.1		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	82.9		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	112		5.0	0.51
87-86-5	Pentachlorophenol	106		10	2.2
85-01-8	Phenanthrene	99.7		5.0	0.44
108-95-2	Phenol	42.6		5.0	0.39
129-00-0	Pyrene	99.1		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-30773-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 480-97415/3-A

Matrix: Water | Lab File ID: U5020.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/26/2012 14:02

Sample wt/vol: 1000(mL) | Date Analyzed: 12/27/2012 12:59

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.: 97535 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	110		52-132
321-60-8	2-Fluorobiphenyl	90		48-120
367-12-4	2-Fluorophenol	46		20-120
4165-60-0	Nitrobenzene-d5	84		46-120
4165-62-2	Phenol-d5	36		16-120
1718-51-0	p-Terphenyl-d14	98		67-150

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5020.D
Lims ID: LCSD 480-97415/3-A Client ID:
Inject. Date: 27-Dec-2012 12:59:30 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: 480-0017888-006
Misc. Info.:
Operator: ANM Instrument ID: HP5973U
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 97535 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U-8270.m
Last Update: 27-Dec-2012 13:21:41 Calib Date: 20-Nov-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973U\20121119-16804.b\U4112.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Column Type: RXI-5Sil MS Column Dia: 0.25 mm
Process Host: XAWRK012

First Level Reviewer: mcgoverna Date: 27-Dec-2012 13:21:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.932	5.927	0.005	95	88761	40.0	
* 2 Naphthalene-d8	136	7.599	7.599	0.0	99	347773	40.0	
* 3 Acenaphthene-d10	164	9.869	9.864	0.005	92	213892	40.0	
* 4 Phenanthrene-d10	188	11.579	11.574	0.005	97	355553	40.0	
* 5 Chrysene-d12	240	14.074	14.069	0.005	70	382115	40.0	
* 6 Perylene-d12	264	15.415	15.409	0.006	78	452386	40.0	
$ 9 2-Fluorophenol	112	4.212	4.207	0.005	96	228170	69.0	
$ 10 Phenol-d5	99	5.473	5.468	0.005	88	202601	53.3	
$ 11 Nitrobenzene-d5	82	6.664	6.664	0.0	92	261276	83.6	
$ 12 2-Fluorobiphenyl	172	9.015	9.009	0.006	99	611045	89.9	
$ 13 2,4,6-Tribromophenol	330	10.820	10.820	0.0	94	153241	165.1	
$ 14 p-Terphenyl-d14	244	13.123	13.123	0.0	78	817891	98.5	
81 N-Nitrosodimethylamine	42	2.572	2.567	0.005	81	72137	51.8	
80 1,4-Dioxane	88		2.620					
82 Pyridine	52	2.625	2.631	-0.006	87	104998	39.3	
88 Benzaldehyde	77	5.355	5.350	0.005	87	173300	75.5	
89 Phenol	94	5.489	5.489	0.0	95	172598	42.6	
90 Aniline	93	5.500	5.494	0.006	86	316197	62.3	
91 Bis(2-chloroethyl)ether	93	5.590	5.585	0.005	88	230984	70.4	
93 2-Chlorophenol	128	5.660	5.654	0.006	96	248864	74.6	
94 1,3-Dichlorobenzene	146	5.852	5.852	0.0	89	214830	60.2	
95 1,4-Dichlorobenzene	146	5.954	5.954	0.0	78	222784	60.9	
96 Benzyl alcohol	108	6.125	6.125	0.0	89	159770	74.1	
97 1,2-Dichlorobenzene	146	6.151	6.146	0.005	81	215383	63.1	
98 2-Methylphenol	108	6.290	6.285	0.005	97	222912	74.0	
99 2,2'-oxybis[1-chloropropane]	45	6.306	6.301	0.005	88	299053	71.7	
104 Acetophenone	105	6.472	6.461	0.011	90	353097	84.4	
101 N-Nitrosodi-n-propylamine	70	6.477	6.472	0.005	85	189961	82.9	
102 4-Methylphenol	108	6.504	6.493	0.011	93	447062	147.3	
106 Hexachloroethane	117	6.595	6.589	0.006	95	73726	56.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77	6.691	6.691	0.0	85	263983	82.1	
110 Isophorone	82	7.011	7.006	0.005	95	493427	85.1	
111 2-Nitrophenol	139	7.108	7.108	0.0	95	152272	87.4	
112 2,4-Dimethylphenol	107	7.193	7.188	0.005	96	282193	90.0	
113 Tetraethyl lead	237	7.214	7.214	0.0	89	27109	26.2	
115 Bis(2-chloroethoxy)methane	93	7.305	7.305	0.0	100	284972	78.4	
119 Benzoic acid	105	7.321	7.412	-0.091	80	45115	17.7	
117 2,4-Dichlorophenol	162	7.433	7.433	0.0	91	230985	92.8	
120 1,2,4-Trichlorobenzene	180	7.530	7.530	0.0	91	191118	70.6	
121 Naphthalene	128	7.626	7.626	0.0	97	701260	78.4	
123 4-Chloroaniline	127	7.717	7.711	0.006	93	315756	82.5	
126 Hexachlorobutadiene	225	7.791	7.791	0.0	91	94264	65.6	
127 Caprolactam	113	8.192	8.149	0.043	67	28528	30.3	
131 4-Chloro-3-methylphenol	107	8.379	8.374	0.005	91	268480	96.4	
133 2-Methylnaphthalene	142	8.529	8.529	0.0	86	508809	87.3	
136 Hexachlorocyclopentadiene	237	8.732	8.732	0.0	86	128885	76.8	
139 2,4,6-Trichlorophenol	196	8.908	8.908	0.0	93	174382	94.7	
140 2,4,5-Trichlorophenol	196	8.967	8.961	0.006	91	192172	96.3	
144 1,1'-Biphenyl	154	9.138	9.132	0.006	95	665948	89.7	
143 2-Chloronaphthalene	162	9.159	9.154	0.005	93	493337	83.8	
145 2-Nitroaniline	65	9.309	9.303	0.006	82	179826	98.1	
147 Dimethyl phthalate	163	9.560	9.544	0.016	98	655138	94.1	
50 1,3-Dinitrobenzene	168		9.613					
146 1,4-Dinitrobenzene	168		9.613					
148 2,6-Dinitrotoluene	165	9.629	9.624	0.005	90	158394	98.5	
149 Acenaphthylene	152	9.688	9.683	0.005	86	881802	95.3	
150 3-Nitroaniline	138	9.848	9.843	0.005	92	168563	91.4	
151 Acenaphthene	153	9.912	9.907	0.005	94	550255	95.1	
152 2,4-Dinitrophenol	184	9.976	9.971	0.005	81	94029	118.1	
153 4-Nitrophenol	109	10.115	10.105	0.010	88	55850	55.7	
155 Dibenzofuran	168	10.126	10.126	0.0	81	794649	96.9	
154 2,4-Dinitrotoluene	165	10.137	10.126	0.011	82	216578	105.2	
158 2,3,4,6-Tetrachlorophenol	232	10.292	10.286	0.006	92	153022	117.5	
160 Diethyl phthalate	149	10.430	10.425	0.005	97	654703	96.4	
161 Fluorene	166	10.537	10.537	0.0	82	675034	104.1	
162 4-Chlorophenyl phenyl ether	204	10.548	10.543	0.005	93	312324	97.1	
164 4-Nitroaniline	138	10.596	10.591	0.005	84	185353	96.1	
166 4,6-Dinitro-2-methylphenol	198	10.623	10.612	0.011	77	133857	110.7	
167 N-Nitrosodiphenylamine	169	10.692	10.687	0.005	91	510216	112.1	
168 1,2-Diphenylhydrazine	77	10.730	10.724	0.006	98	612646	90.5	
176 4-Bromophenyl phenyl ether	248	11.098	11.098	0.0	89	183573	100.3	
177 Hexachlorobenzene	284	11.157	11.157	0.0	85	199694	99.6	
180 Atrazine	200	11.301	11.296	0.005	90	202625	114.9	
181 Pentachlorophenol	266	11.387	11.381	0.006	79	115695	105.7	
185 Phenanthrene	178	11.600	11.600	0.0	83	939085	99.7	
188 Anthracene	178	11.659	11.654	0.005	83	972885	103.0	
189 Carbazole	167	11.835	11.830	0.005	83	911821	99.3	
192 Di-n-butyl phthalate	149	12.177	12.172	0.005	99	1095332	101.3	
197 Fluoranthene	202	12.776	12.776	0.0	82	1054584	103.8	
198 Benzidine	184	12.909	12.904	0.005	87	348418	56.1	
199 Pyrene	202	12.989	12.989	0.0	95	1084640	99.1	
205 Butyl benzyl phthalate	149	13.556	13.556	0.0	95	518564	98.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 3,3'-Dichlorobenzidine	252	14.031	14.031	0.0	94	318938	78.2	
210 Bis(2-ethylhexyl) phthalate	149	14.042	14.042	0.0	94	721980	99.9	
209 Benzo[a]anthracene	228	14.063	14.058	0.005	86	1036806	101.2	
211 Chrysene	228	14.095	14.090	0.005	86	1005647	95.9	
212 Di-n-octyl phthalate	149	14.597	14.597	0.0	99	1243724	102.6	
213 Benzo[b]fluoranthene	252	15.035	15.030	0.005	84	1085074	96.4	
214 Benzo[k]fluoranthene	252	15.062	15.057	0.005	79	1254365	104.0	
217 Benzo[a]pyrene	252	15.361	15.356	0.005	80	1051675	105.4	
219 Indeno[1,2,3-cd]pyrene	276	16.633	16.617	0.016	67	1460895	110.5	
220 Dibenz(a,h)anthracene	278	16.643	16.627	0.016	64	1271128	112.5	
221 Benzo[g,h,i]perylene	276	16.985	16.969	0.016	79	1278264	114.2	
S 78 3-Methylphenol	1				0		147.3	

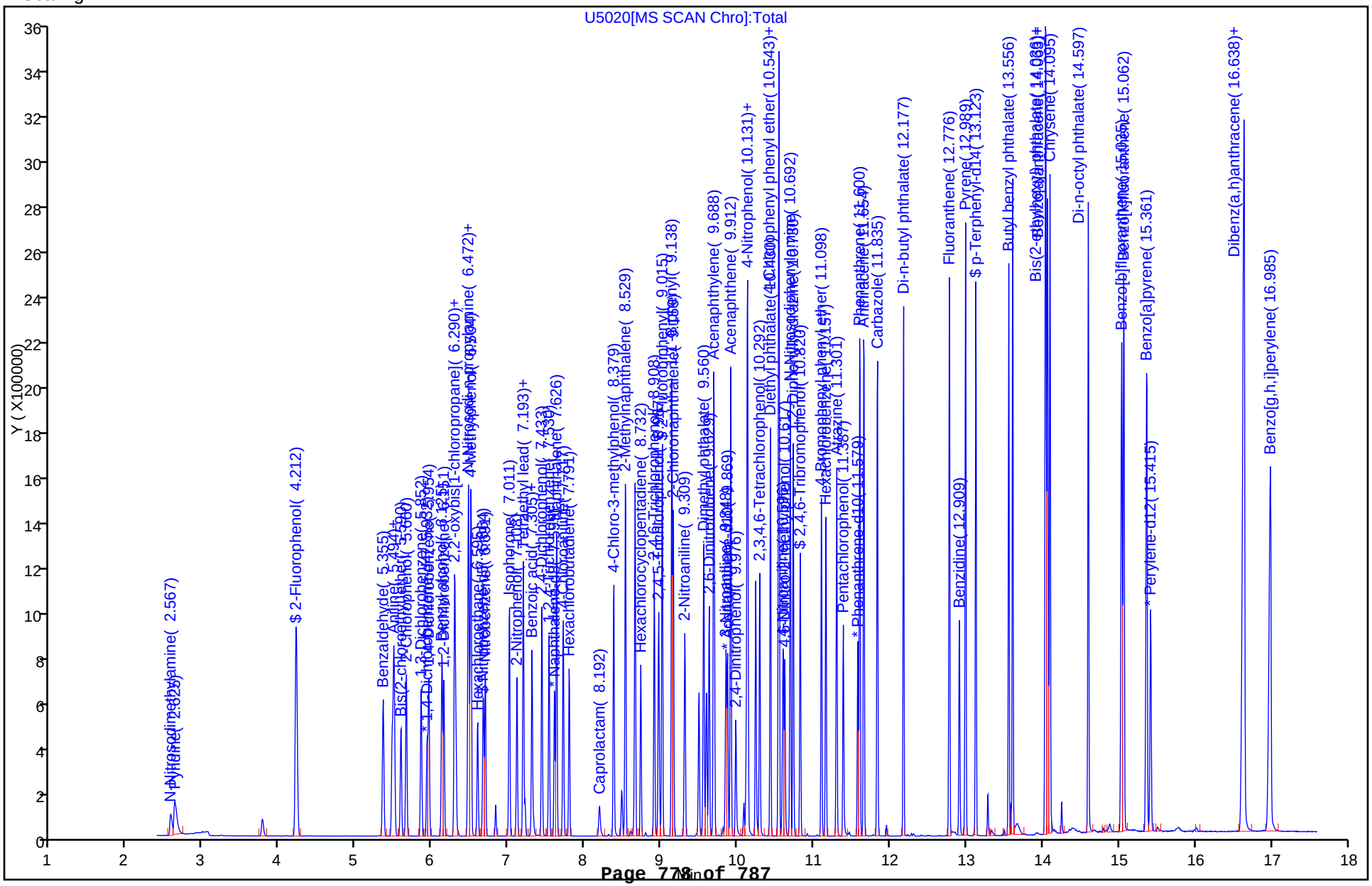
Report Date: 27-Dec-2012 13:21:42 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973U\20121227-17888.b\U5020.D

Injection Date:	27-Dec-2012 12:59:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973U
Lims Batch ID:	97535	Lims Sample ID:	6
Operator ID:	ANM	Injection Vol:	1.0 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973U Start Date: 11/20/2012 10:10

Analysis Batch Number: 91840 End Date: 11/20/2012 21:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-91840/1		11/20/2012 10:10	1	U4099.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/3		11/20/2012 10:52	1	U4101.D	RXI-5Sil MS 0.25(mm)
ICIS 480-91840/4		11/20/2012 11:15	1	U4102.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/5		11/20/2012 11:39	1	U4103.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/6		11/20/2012 12:04	1	U4104.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/7		11/20/2012 12:27	1	U4105.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/8		11/20/2012 13:17	1	U4106.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/9		11/20/2012 13:41	1	U4107.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/10		11/20/2012 14:04	1	U4108.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/11		11/20/2012 14:28	1	U4109.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/12		11/20/2012 14:52	1	U4110.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/13		11/20/2012 15:16	1	U4111.D	RXI-5Sil MS 0.25(mm)
IC 480-91840/2		11/20/2012 15:39	1	U4112.D	RXI-5Sil MS 0.25(mm)
ICV 480-91840/14		11/20/2012 16:05	1		RXI-5Sil MS 0.25(mm)
ICVL 480-91840/15		11/20/2012 16:29	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-91840/16		11/20/2012 16:53	1		RXI-5Sil MS 0.25(mm)
CCV 480-91840/17		11/20/2012 17:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 17:42	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 18:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 18:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 18:53	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 19:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 19:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 20:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 20:27	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 20:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 21:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		11/20/2012 21:38	10		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Instrument ID: HP5973U Start Date: 12/27/2012 11:07

Analysis Batch Number: 97535 End Date: 12/27/2012 22:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-97535/1		12/27/2012 11:07	1	U5015.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-97535/2		12/27/2012 11:24	1	U5016.D	RXI-5Sil MS 0.25(mm)
CCV 480-97535/3		12/27/2012 11:47	1	U5017.D	RXI-5Sil MS 0.25(mm)
MB 480-97415/1-A		12/27/2012 12:11	1	U5018.D	RXI-5Sil MS 0.25(mm)
LCS 480-97415/2-A		12/27/2012 12:35	1	U5019.D	RXI-5Sil MS 0.25(mm)
LCSD 480-97415/3-A		12/27/2012 12:59	1	U5020.D	RXI-5Sil MS 0.25(mm)
480-30773-13	GW-44538-121912-009	12/27/2012 13:22	1	U5021.D	RXI-5Sil MS 0.25(mm)
480-30773-14	GW-44538-121912-010	12/27/2012 13:46	1	U5022.D	RXI-5Sil MS 0.25(mm)
480-30773-15	GW-44538-122012-015	12/27/2012 14:10	1	U5023.D	RXI-5Sil MS 0.25(mm)
480-30773-16	GW-44538-122012-016	12/27/2012 14:34	1	U5024.D	RXI-5Sil MS 0.25(mm)
480-30773-17	GW-44538-122012-017	12/27/2012 14:58	1	U5025.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 15:23	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 15:47	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 16:11	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 16:35	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 16:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 17:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 17:46	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 18:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 18:34	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 18:58	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 19:21	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 19:45	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 20:09	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 20:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 20:56	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 21:20	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 21:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		12/27/2012 22:07	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Batch Number: 97415 Batch Start Date: 12/26/12 14:01 Batch Analyst: Bonk, Kate

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00005
MB 480-97415/1		3510C, 8270C		7	1000 mL	1 mL	<2	>11	1 mL
LCS 480-97415/2		3510C, 8270C		7	1000 mL	1 mL	<2	>11	1 mL
LCSD 480-97415/3		3510C, 8270C		7	1000 mL	1 mL	<2	>11	1 mL
480-30773-A-13	GW-44538-121912-009	3510C, 8270C	T	7	420 mL	1 mL	<2	>11	1 mL
480-30773-A-14	GW-44538-121912-010	3510C, 8270C	T	12	420 mL	1 mL	<2	>11	1 mL
480-30773-A-15	GW-44538-122012-015	3510C, 8270C	T	7	420 mL	1 mL	<2	>11	1 mL
480-30773-A-16	GW-44538-122012-016	3510C, 8270C	T	7	420 mL	1 mL	<2	>11	1 mL
480-30773-A-17	GW-44538-122012-017	3510C, 8270C	T	7	380 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00031	O_8270full#2 00032				
MB 480-97415/1		3510C, 8270C							
LCS 480-97415/2		3510C, 8270C		1 mL	1 mL				
LCSD 480-97415/3		3510C, 8270C		1 mL	1 mL				
480-30773-A-13	GW-44538-121912-009	3510C, 8270C	T						
480-30773-A-14	GW-44538-121912-010	3510C, 8270C	T						
480-30773-A-15	GW-44538-122012-015	3510C, 8270C	T						
480-30773-A-16	GW-44538-122012-016	3510C, 8270C	T						
480-30773-A-17	GW-44538-122012-017	3510C, 8270C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-30773-1

SDG No.:

Batch Number: 97415 Batch Start Date: 12/26/12 14:01 Batch Analyst: Bonk, Kate

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	2032711
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC257086
Person's name who did the concentration	TG, ND, KEB
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862008
Prep Solvent Lot #	0000026554
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	TG, ND, KEB
Person's name who witnessed reagent drop	TG, ND, KEB
Sufficient volume for MS/MSD?	NO

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.

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

COOLER #1 of 2

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Conestoga-Rovers & Associates	Mike Okamoto (519-884-0510)	12/20/12	178376
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 3
2055 Niagara Falls Blvd.	716-297-2160		
City Niagara Falls **State** NY **Zip Code** 14304	**Site Contact** B. Pickert	**Lab Contact**	
Project Name and Location (State) Sterling Site 3 - Albany NY	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOCs & SSPL	TCL SVOCs	Special Instructions/ Conditions of Receipt
GW-44538-121912-001	12/19/12	0800		X						X			2	1	SSPL includes:
002	12/19/12	0825		X						X			2	1	ethyl ether
003	12/19/12	0900		X						X			2	1	2-methyl thiophene
004	12/19/12	0930		X						X			2	1	3-methyl thiophene
005	12/19/12	1000		X						X			2	1	
006	12/19/12	1030		X						X			2	1	Sue Scacchi -
007	12/19/12	1100		X						X			2	1	CRA chemist
008	12/19/12	1200		X						X			2	1	
011	12/19/12	1430		X						X			2	1	
012	12/19/12	1530		X						X			2	1	
013	12/19/12	1600		X						X			2	1	MS/MSD *
014	12/19/12	1700		X						X			2	1	
GW-44538-121912-017	12/19/12	1100		X						X			2	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/20/12	1600	1. Received By		
2. Relinquished By			2. Received By	12/22/12	1100
3. Relinquished By			3. Received By		

Comments

2.7, 3.0 A2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

COOLER # 1 of 2

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Conestoga-Rovers & Associates	Mike Okamoto (519-884-0510)	12/20/12	178377
Address 2055 Niagara Falls Blvd.	**Telephone Number (Area Code)/Fax Number** 716-297-2160	**Lab Number**	**Page** 2 of 3
City Niagara Falls **State** NY **Zip Code** 14304	**Site Contact** B. Pickett	**Lab Contact**	
Project Name and Location (State) Sterling SITE 3 - Albany, NY	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOA's + TICs & SSPL	Analysis: TCL SVOA's + TICs
GW-44538-121912-009	12/19/12	1300		X						X			2	1
↓ ↓ ↓ 010	12/19/12	1400		X						X			2	1
GW-44538-122012-015	12/20/12	0900		X						X			2	1
↓ ↓ ↓ -016	12/20/12	1000		X						X			2	1
										TOTAL			8	

Special Instructions/ Conditions of Receipt

SSPL includes: ethyl ether, 2-methyl thiophene, 3-methyl thiophene

Sue Scrocchi- CRA chemist

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/20/12	1600	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

TAB Buffalo 12/22/12 1100

Comments

27,30 #2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample, PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

(COOLER #2 of 2

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Conestoga - Rovers & Associates	Mike Okamoto (519-884-0510)	12/20/12	167518
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 3 **of** 3
2055 Niagara Falls Blvd.	716-297-2160		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Niagara Falls / NY / 14304	B. Pickett		
Project Name and Location (State)	**Carrier/Waybill Number**		
STERLING - SITE 3 - Albany, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TCL SVOCs & TICs	Special Instructions/ Conditions of Receipt
GW-44538-121912-009	12/19/12	1300		X			X						1	Sue Scocchi - CRA Chemist
↓ ↓ ↓ 010	12/19/12	1400		X			X						1	
GW-44538-122012-015	12/20/12	0900		X			X						1	TCL SVOCs + TICs
↓ ↓ ↓ 016	12/20/12	1000		X			X						1	
↓ ↓ ↓ 017	12/20/12	1100		X			X						1	
									TOTAL				(5)	

Page 786 of 787

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	12/20/12	1600	1. Received By TAS Lab	12/22/12	1100
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

7.1, 3.6 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: NPEC - Sterling

Job Number: 480-30773-1

Login Number: 30773

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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.	True	
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	CRA
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX D

DATA QUALITY ASSESSMENT AND VALIDATION

APPENDIX D.1

OCTOBER 2012 MONITORING EVENT

CONESTOGA-ROVERS & ASSOCIATES

2055 Niagara Falls Blvd., Suite #3
Niagara Falls, New York 14304
Telephone: (716) 297-6150 Fax: (716) 297-2265
www.CRAworld.com

MEMORANDUM

TO: Mike Okamoto (Waterloo)

REF. NO.: 007830-61

FROM: Kathleen Willy/eew -1 Rev KW

DATE: November 27, 2012
Rev: November 30, 2012

CC:

E-Mail and Hard Copy if Requested

RE: **Data Quality Assessment and Validation**
Operable Unit 2 Sampling
NPEC Inc. Sterling Site #3
October 2012

INTRODUCTION

The following details a quality assessment and validation of the analytical data resulting from the October 2012 collection of groundwater samples from the NPEC Inc. Sterling Site #3 located in East Greenbush, New York. The sample summary detailing sample identification, sample location, quality control (QC) samples, and analytical parameters is presented in Table 1. Samples were submitted to TestAmerica, Inc. (TA), in Amherst, New York, and analyzed for the following:

Parameter	*Methodology*
Volatile Organic Compounds (VOCs)	SW-846 8260[1]
Semi-volatile Organic Compounds (SVOCs)	SW-846 8270[1]

The analytical results are summarized in Table 2. The QC criteria used to assess the data were established by the methods and the guidance document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999.

These guidelines are collectively referred to as "Guidelines" in this memorandum.

Full Contract Laboratory Program (CLP)-equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results, supporting quality assurance/quality control (QA/QC) and all raw data provided.

1 "Test Methods for Solid Waste Physical/Chemical Methods", SW-846, 3rd Edition, September 1986 (with all subsequent revisions).

SAMPLE PRESERVATION AND HOLDING TIMES

Sample holding time periods and preservation requirements are summarized in the analytical methods. All sample extractions and/or analyses were performed within the specified holding times.

All samples were properly preserved and cooled to 4°C (±2°C) after collection.

GAS CHROMATOGRAPHY/MASS SPECTROMETER (GC/MS) MASS CALIBRATION

Prior to analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the VOC method requires the analysis of the specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Instrument tuning data were reviewed. The tuning compound was analyzed at the required frequency throughout the analysis periods. All tuning criteria were met for the analyses, indicating proper optimization of the instrumentation.

Initial Calibration – GC/MS Analyses

To quantify compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a minimum of a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range.

Calibration data were reviewed for all samples. Linearity of the calibration curve and instrument sensitivity was evaluated against the following criteria:

i) All relative response factors (RRFs) for the GC/MS must be greater than or equal to 0.05.

ii) Percent relative standard deviation (%RSD) values for GC/MS must not exceed 30 percent or if linear regression is used, the correlation coefficient (R^2) value must be at least 0.99.

Initial calibration standards were analyzed as required and the data showed acceptable sensitivity and linearity for all compounds of interest.

Continuing Calibration – GC/MS

To ensure that instrument calibration is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values for the GC/MS must be greater than or equal to 0.05.

ii) Percent difference (%D) values must not exceed 25 percent.

Continuing calibration standards were analyzed at the required frequency and the results met the above criteria for instrument sensitivity and linearity.

METHOD BLANK SAMPLES

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method blanks were analyzed at the recommended frequency and all results were non-detect for the compounds of interest with the exception of some SVOCs. A summary of qualified results can be found in Table 3.

SURROGATE COMPOUNDS

Individual sample performance for the VOC analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

All surrogate recoveries met the method criteria, demonstrating acceptable analytical efficiency for these analyses with the exception of some high SVOC recoveries. A summary of qualified results can be found in Table 4.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

MS/MSD samples are prepared with the analytes of interest and analyzed with the sample batch. The recoveries of MS analyses are used to assess the analytical accuracy achieved on individual sample matrices. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. The relative percent difference (RPD) between the MS and MSD are used to assess analytical precision.

No MS/MSD analyses were performed on this set of investigative samples. Matrix accuracy and precision could not be assessed.

LABORATORY CONTROL SAMPLE (LCS)

The LCS analysis serves as a monitor of the overall performance in all steps of the sample analysis and is analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were all within the laboratory control limits indicating acceptable analytical accuracy.

INTERNAL STANDARD (IS) SUMMARIES

To correct for changes in GC/MS response and sensitivity, IS compounds are added to investigative samples and QC samples prior to VOC analyses. All results are calculated as a ratio of the IS response. The criteria by which the IS results are assessed are as follows:

i) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

ii) The retention time of the IS must not vary more than ±30 seconds from the associated calibration standard.

All sample IS results met the above criteria and were correctly used to calculate sample results.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

TICs were reported for the VOC and SVOC analyses. All TIC results are estimated values and are presented in Table 5. TICs which were present in the blanks or which were identified as aldol condensation products and/or siloxanes have been eliminated.

OVERALL ASSESSMENT

The data were found to exhibit acceptable levels of accuracy and precision, based on the provided information, and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
OPERABLE UNIT 2 SAMPLING
NPEC, INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

				Analysis/Parameters		
Sample I.D.	*Location I.D.*	*Collection Date (mm/dd/yy)*	*Collection Time (hr:min)*	*VOCs plus TICs*	*SVOCs plus TICs*	*Comments*
GW-007830-101112-001	MW-20B	10/11/2012	8:30:00 AM	X	X	
GW-007830-101112-002	MW-21B	10/11/2012	9:30:00 AM	X	X	
GW-007830-101112-003	MW-22B	10/11/2012	10:15:00 AM	X	X	
GW-007830-101112-004	MW-24B	10/11/2012	11:30:00 AM	X	X	
GW-007830-101112-005	MW-23B	10/11/2012	12:15:00 PM	X	X	

Notes:

TICs Tentatively identified compounds.
VOCs Volatile Organic Compounds.
SVOCs Semi-Volatile Organic Compounds.

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
NPEC, INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

Sample Location:		***MW-20B***	***MW-21B***	***MW-22B***	***MW-23B***	***MW-24B***
Sample ID:		***GW-007830-101112-001***	***GW-007830-101112-002***	***GW-007830-101112-003***	***GW-007830-101112-005***	***GW-007830-101112-004***
Sample Date:		***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***
Parameter	***Units***					
Volatiles						
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	1.7 J	ND (10)	ND (10)	ND (10)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
3-Methylthiophene	µg/L	ND (10)	0.75 J	ND (10)	ND (10)	ND (10)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Acetone	µg/L	ND (10)	13	ND (10)	ND (10)	ND (10)
Benzene	µg/L	ND (1.0)	0.52 J	ND (1.0)	ND (1.0)	ND (1.0)
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromoform	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon disulfide	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chlorobenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloroethane	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Dibromochloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Ethyl Ether	µg/L	ND (10)	1300	ND (10)	ND (10)	ND (10)
Ethylbenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
m&p-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Toluene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
NPEC, INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

	Sample Location:	*MW-20B*	*MW-21B*	*MW-22B*	*MW-23B*	*MW-24B*
	Sample ID:	*GW-007830-101112-001*	*GW-007830-101112-002*	*GW-007830-101112-003*	*GW-007830-101112-005*	*GW-007830-101112-004*
	Sample Date:	*10/11/2012*	*10/11/2012*	*10/11/2012*	*10/11/2012*	*10/11/2012*
Parameter	***Units***					
Volatiles (continued)						
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
TIC Volatiles						
Chlorodifluoromethane	µg/L	--	7.1 J	--	--	--
Dichlorodifluoromethane (CFC-12)	µg/L	--	2.8 J	--	--	--
Dichlorofluoromethane	µg/L	--	0.67 J	--	--	--
Diisopropyl ether	µg/L	--	1.0 J	--	--	--
Methyl tert butyl ether (MTBE)	µg/L	--	0.29 J	--	--	--
tert-Butyl alcohol	µg/L	--	15 J	--	--	--
Semi-Volatiles						
1,2,4-Trichlorobenzene	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
1,2-Dichlorobenzene	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
1,3-Dichlorobenzene	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
1,4-Dichlorobenzene	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4,5-Trichlorophenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4,6-Trichlorophenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4-Dichlorophenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4-Dimethylphenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,4-Dinitrophenol	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
2,4-Dinitrotoluene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2,6-Dinitrotoluene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2-Chloronaphthalene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2-Chlorophenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2-Methylnaphthalene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2-Methylphenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
2-Nitroaniline	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
2-Nitrophenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
3,3'-Dichlorobenzidine	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
3-Nitroaniline	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
4,6-Dinitro-2-methylphenol	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
4-Bromophenyl phenyl ether	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
NPEC, INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

	Sample Location:	***MW-20B***	***MW-21B***	***MW-22B***	***MW-23B***	***MW-24B***
	Sample ID:	***GW-007830-101112-001***	***GW-007830-101112-002***	***GW-007830-101112-003***	***GW-007830-101112-005***	***GW-007830-101112-004***
	Sample Date:	***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***
Parameter	***Units***					
TIC Volatiles (continued)						
4-Chloro-3-methylphenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
4-Chloroaniline	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
4-Chlorophenyl phenyl ether	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
4-Methylphenol	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
4-Nitroaniline	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
4-Nitrophenol	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
Acenaphthene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Acenaphthylene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Anthracene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Benzaldehyde	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Benzo(a)anthracene	µg/L	ND (12)	1.3 J	1.2 J	0.91 J	ND (12)
Benzo(a)pyrene	µg/L	1.1 J	1.1 J	1.2 J	ND (12)	ND (12)
Benzo(b)fluoranthene	µg/L	ND (12) U	ND (12) U	ND (12) U	ND (12)	ND (12) U
Benzo(g,h,i)perylene	µg/L	ND (12) U	ND (12) U	ND (12) U	ND (12) U	ND (12) U
Benzo(k)fluoranthene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
bis(2-Chloroethoxy)methane	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
bis(2-Chloroethyl)ether	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
bis(2-Ethylhexyl)phthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Butyl benzylphthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Carbazole	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Chrysene	µg/L	ND (12) U	ND (12) U	ND (12) U	ND (12) U	ND (12) U
Dibenz(a,h)anthracene	µg/L	7.8 J	7.0 J	7.4 J	6.7 J	7.2 J
Dibenzofuran	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
Diethyl phthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Dimethyl phthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Di-n-butylphthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Di-n-octyl phthalate	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Fluoranthene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Fluorene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Hexachlorobenzene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Hexachlorobutadiene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Hexachlorocyclopentadiene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Hexachloroethane	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Indeno(1,2,3-cd)pyrene	µg/L	ND (12) U	ND (12) U	ND (12) U	ND (12)	ND (12) U

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER SAMPLING
NPEC, INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

	Sample Location:	***MW-20B***	***MW-21B***	***MW-22B***	***MW-23B***	***MW-24B***
	Sample ID:	***GW-007830-101112-001***	***GW-007830-101112-002***	***GW-007830-101112-003***	***GW-007830-101112-005***	***GW-007830-101112-004***
	Sample Date:	***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***	***10/11/2012***
Parameter	***Units***					
TIC Volatiles (continued)						
Isophorone	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Naphthalene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Nitrobenzene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
N-Nitrosodi-n-propylamine	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
N-Nitrosodiphenylamine	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Pentachlorophenol	µg/L	ND (24)	ND (24)	ND (24)	ND (24)	ND (24)
Phenanthrene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Phenol	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
Pyrene	µg/L	ND (12)	ND (12)	ND (12)	ND (12)	ND (12)
TIC Semi-Volatiles						
Mephobarbital	µg/L	--	31 J	--	--	--
Noramidopyrine	µg/L	--	26 J	--	--	--
Phenobarbital	µg/L	--	45 J	--	--	--
Talbutal	µg/L	--	41 J	--	--	--
Unknown	µg/L	--	200 J	33 J	--	28 J

Notes:
J - Estimated.
ND - Non-detect at associated value.
TJ - Presumptively present, estimated concentration.
TJN - Presumptively present, estimated concentration.
U - Not present at or above the associated value
- - Not applicable.

TABLE 3

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
OPERABLE UNIT 2 SAMPLING
NPEC, INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

Parameter	*Analysis Date*	*Analyte*	*Blank Result*	*Sample ID*	*Qualified Sample Result*	*Units*
SVOCs	10/18/2012	Benzo(b)fluoranthene	0.369 J	GW-007830-101112-001	12 U	µg/L
				GW-007830-101112-002	12 U	µg/L
				GW-007830-101112-003	12 U	µg/L
				GW-007830-101112-004	12 U	µg/L
SVOCs	10/18/2012	Benzo(g,h,i)perylene	0.680 J	GW-007830-101112-001	12 U	µg/L
				GW-007830-101112-002	12 U	µg/L
				GW-007830-101112-003	12 U	µg/L
				GW-007830-101112-004	12 U	µg/L
				GW-007830-101112-005	12 U	µg/L
SVOCs	10/18/2012	Chrysene	0.481 J	GW-007830-101112-001	12 U	µg/L
				GW-007830-101112-002	12 U	µg/L
				GW-007830-101112-003	12 U	µg/L
				GW-007830-101112-004	12 U	µg/L
				GW-007830-101112-005	12 U	µg/L
SVOCs	10/18/2012	Dibenz(a,h)anthracene	3.03 J	GW-007830-101112-001	12 U	µg/L
				GW-007830-101112-002	12 U	µg/L
				GW-007830-101112-003	12 U	µg/L
				GW-007830-101112-004	12 U	µg/L
				GW-007830-101112-005	12 U	µg/L
SVOCs	10/18/2012	Indeno(1,2,3-cd)pyrene	0.606 J	GW-007830-101112-001	12 U	µg/L
				GW-007830-101112-002	12 U	µg/L
				GW-007830-101112-003	12 U	µg/L
				GW-007830-101112-004	12 U	µg/L

Notes:
J Estimated
U Non-detect at associated value

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING SURROGATE RECOVERIES
OPERABLE UNIT 2 SAMPLING
NPEC, INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

Parameter	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Sample ID*	*Analytes*	*Qualified Sample Results*	*Units*
SVOCs	Nitrobenzene-d5	134	46 - 120	GW-007830-101112-003	Benzo(a)pyrene	1.2 J	µg/L
	2-Fluorobiphenyl	134	48 - 120		Dibenz(a,h)anthracene	7.4 J	µg/L
					Benzo(a)anthracene	1.2 J	µg/L

Notes:
J Estimated
SVOCs Semi-Volatile Organic Compounds

TABLE 5

TENTATIVELY IDENTIFIED COMPOUNDS
OPERABLE UNIT 2 SAMPLING
NPEC, INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
OCTOBER 2012

Sample Location	*Volatile Organics*	*Estimated Concentration (µg/L)*	*Semivolatile Organics*	*Estimated Concentration (µg/L)*
GW-007830-101112-001	-	-	-	-
GW-007830-101112-002	Diisopropyl ether	1.0 J	Mephobarbital	31 J
	Methyl tert butyl ether (MTBE)	0.29 J	Talbutal	41 J
	Dichlorofluoromethane	0.67 J	Phenobarbital	45 J
	Chlorodifluoromethane	7.1 J	Noramidopyrine	26 J
	tert-Butyl alcohol	15 J	Unknown	200 J
	Dichlorodifluoromethane (CFC-12)	2.8 J	-	-
GW-007830-101112-003	-	-	Unknown	33 J
GW-007830-101112-004	-	-	Unknown	28 J
GW-007830-101112-005	-	-	-	-

Notes:
J Estimated

APPENDIX D.2

DECEMBER 2012 MONITORING EVENT

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO:	Mike Okamoto	REF. NO.:	044538
FROM:	Kathleen Willy/bjw/25 KW	DATE:	February 21, 2013
CC:	Susan Scrocchi	E-Mail and Hard Copy if Requested	
RE:	**Analytical Results and Full Validation Groundwater Monitoring NPEC Inc. Sterling Site #3 East Greenbush, New York December 2012**		

INTRODUCTION

The following document details a validation of analytical results for water samples collected in support of the Groundwater Monitoring Program at NPEC Inc. Sterling Site #3 during December 2012. Samples were submitted to TestAmerica Laboratories, located in Amherst, New York. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody form(s), calibration data, blank data, recovery data from surrogate spikes, laboratory control samples (LCS), and matrix spike samples (MS); and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses); adherence to accuracy and precision criteria; and transmittal errors.

The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and the document entitled "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999. This document will subsequently be referred to as the "Guidelines" in this Memorandum.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results, supporting quality assurance/quality control (QA/QC) and all raw data provided.

SAMPLE HOLDING TIME AND PRESERVATION

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were properly preserved and delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

GAS CHROMATOGRAPHY/MASS SPECTROMETER (GC/MS) – TUNING AND MASS CALIBRATION (INSTRUMENT PERFORMANCE CHECK)

Organic Analyses

Prior to volatile organic compound (VOC) and semi-volatile organic compound (SVOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, methods require the analysis of specific tuning compounds bromofluorobenzene (BFB) and decafluorotriphenylphosphine (DFTPP), respectively. The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout the volatile and semi-volatile analysis periods. All tuning criteria were met; indicating that proper optimization of the instrumentation was achieved.

INITIAL CALIBRATION - ORGANIC ANALYSES

GC/MS

To quantify VOC and SVOC compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05.

ii) The percent relative standard deviation (RSD) values must not exceed 30.0 percent or a minimum correlation coefficient (R) of 0.995 and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves, respectively, are used.

The initial calibration data for VOCs and SVOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

CONTINUING CALIBRATION - ORGANIC ANALYSES

GC/MS

To ensure that instrument calibration for VOC and SVOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05.

ii) Percent difference (%D) values must not exceed 25 percent.

Calibration standards were analyzed at the required frequency, and the results met the above criteria for instrument sensitivity and stability with the exception of some VOCs which showed some variability (see Table 4).

LABORATORY BLANK ANALYSES

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

Organic Analyses

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation with the exception of a low concentration of methylene chloride. Associated sample results with concentrations similar to that found in the method blank were qualified as non-detect (see Table 5). Associated sample results that were non-detect or significantly greater than that found in the method blank would not be affected and no qualification of the data was necessary.

SURROGATE SPIKE RECOVERIES

In accordance with the methods employed, all samples, blanks and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC and SVOC determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory (method) control limits with the exception of semi-volatile organic compound (SVOC) analyses. According to the "Guidelines" for SVOC

analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the above criteria.

INTERNAL STANDARDS (IS) ANALYSES

Internal standard data were evaluated for all VOC and SVOC sample analyses.

Organics Analyses

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, internal standard compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the internal standard responses.

The sample internal standard results were evaluated against the following criteria:

i) The retention time of the internal standard must not vary more than ±30 seconds from the associated calibration standard.

ii) Internal standard area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard.

All organic internal standard recoveries and retention times met the above criteria.

LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. (The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision).

For this study, LCS /LCSD were analyzed at a minimum frequency of one per 20 investigative samples and/or one per analytical batch.

Organic Analyses

The LCS/LCSD contained all compounds of interest (the compounds specified in the method). All LCS recoveries and relative percent differences were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of

concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory (method) control limits, demonstrating acceptable analytical accuracy and precision.

FIELD QA/QC SAMPLES

Site-specific field QA/QC was not collected for this sampling event.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

Chromatographic peaks recorded during VOC and SVOC sample GC/MS analyses that are not target compounds, surrogates, or internal standards, are potential TICs.

A summary of the TICs reported by the laboratory is presented in Table 6. Per the "Guidelines", TICs that were present in the method blanks or identified as solvent preservatives/aldol reaction products were rejected and are not included in the table.

ANALYTE REPORTING

The laboratory reported detected results down to the laboratory's MDL for each analyte. Positive analyte detections less than the PQL but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the PQL in Table 2.

TARGET COMPOUND IDENTIFICATION

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra (if applicable) were evaluated according to the identification criteria established by the methods. The sample(s) identified in Table 1 was (were) reviewed. The organic compounds reported adhered to the specified identification criteria.

CONCLUSION

Based on this assessment of the information provided, the data produced by (Laboratory) were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

					Analysis/Parameters		
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*VOC + TICs*	*SVOC + TICS*	*Comments*
GW-44538-121912-001	MW-2S	water	12/19/2012	08:00	X		
GW-44538-121912-012	MW-3SR	water	12/19/2012	15:30	X		
GW-44538-121912-013	MW-9B	water	12/19/2012	16:00	X		MS/MSD
GW-44538-121912-014	MW-4B	water	12/19/2012	17:00	X		
GW-44538-121912-009	MW-20B	water	12/19/2012	13:00	X	X	
GW-44538-121912-010	MW-21B	water	12/19/2012	14:00	X	X	
GW-44538-122012-015	MW-24B	water	12/20/2012	09:00	X	X	
GW-44538-122012-016	MW-22B	water	12/20/2012	10:00	X	X	
GW-44538-122012-017	MW-23B	water	12/20/2012	11:00	X	X	
GW-44538-121912-002	MW-6B	water	12/19/2012	08:25	X		
GW-44538-121912-003	MW-13A	water	12/19/2012	09:00	X		
GW-44538-121912-004	MW-13B	water	12/19/2012	09:30	X		
GW-44538-121912-005	MW-12B	water	12/19/2012	10:00	X		
GW-44538-121912-006	MW-16B	water	12/19/2012	10:30	X		
GW-44538-121912-007	MW-17B	water	12/19/2012	11:00	X		
GW-44538-121912-008	MW-19B	water	12/19/2012	12:00	X		
GW-44538-121912-011	RW-1	water	12/19/2012	14:30	X		

Notes:

VOC Volatile organic compounds.
SVOC Semi-volatile organic compounds.
TIC Tentatively identified compounds.
MS Matrix spike.
MSD Matrix spike duplicate.

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-2S*	*MW-3SR*	*MW-4B*	*MW-6B*	*MW-9B*
	Sample ID:	*GW-44538-121912-001*	*GW-44538-121912-012*	*GW-44538-121912-014*	*GW-44538-121912-002*	*GW-44538-121912-013*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,1,2,2-Tetrachloroethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,1,2-Trichloroethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,1-Dichloroethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,1-Dichloroethene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,2-Dichloroethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
1,2-Dichloropropane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
2-Hexanone	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
2-Methylthiophene	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
3-Methylthiophene	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
Acetone	µg/L	ND (50)	ND (100)	ND (10)	3.6 J	50
Benzene	µg/L	ND (5.0)	ND (10)	ND (1.0)	ND (1.0)	ND (5.0)
Bromodichloromethane	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Bromoform	µg/L	ND (25) J	ND (50) J	ND (5.0) J	ND (5.0) J	ND (25) J
Bromomethane (Methyl Bromide)	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
Carbon disulfide	µg/L	ND (25)	ND (50)	ND (5.0)	0.22 J	ND (25)
Carbon tetrachloride	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Chlorobenzene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Chloroethane	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
Chloroform (Trichloromethane)	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Chloromethane (Methyl Chloride)	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
cis-1,2-Dichloroethene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
cis-1,3-Dichloropropene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Dibromochloromethane	µg/L	ND (25) J	ND (50) J	ND (5.0) J	ND (5.0) J	ND (25) J
Ethyl Ether	µg/L	92	440	ND (10)	2.4 J	14 J
Ethylbenzene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
m&p-Xylene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Methylene chloride	µg/L	4.2 J	4.9 J	ND (5.0)	ND (5.0)	2.3 J

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-2S*	*MW-3SR*	*MW-4B*	*MW-6B*	*MW-9B*
	Sample ID:	*GW-44538-121912-001*	*GW-44538-121912-012*	*GW-44538-121912-014*	*GW-44538-121912-002*	*GW-44538-121912-013*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	*Units*					
Volatile Organic Compounds (Cont'd.)						
o-Xylene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Styrene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Tetrachloroethene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Toluene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	1500
trans-1,2-Dichloroethene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
trans-1,3-Dichloropropene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Trichloroethene	µg/L	ND (25)	ND (50)	ND (5.0)	ND (5.0)	ND (25)
Vinyl chloride	µg/L	ND (50)	ND (100)	ND (10)	ND (10)	ND (50)
Semi-Volatile Organic Compounds						
1,2,4-Trichlorobenzene	µg/L	-	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	-	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-2S*	*MW-3SR*	*MW-4B*	*MW-6B*	*MW-9B*
	Sample ID:	*GW-44538-121912-001*	*GW-44538-121912-012*	*GW-44538-121912-014*	*GW-44538-121912-002*	*GW-44538-121912-013*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	*Units*					
Semi-Volatile Organic Compounds (Cont'd.)						
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-	-
Acenaphthene	µg/L	-	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-	-
Anthracene	µg/L	-	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	µg/L	-	-	-	-	-
Butyl benzylphthalate	µg/L	-	-	-	-	-
Carbazole	µg/L	-	-	-	-	-
Chrysene	µg/L	-	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-	-
Di-n-butylphthalate	µg/L	-	-	-	-	-
Di-n-octyl phthalate	µg/L	-	-	-	-	-
Fluoranthene	µg/L	-	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-2S*	*MW-3SR*	*MW-4B*	*MW-6B*	*MW-9B*
	Sample ID:	*GW-44538-121912-001*	*GW-44538-121912-012*	*GW-44538-121912-014*	*GW-44538-121912-002*	*GW-44538-121912-013*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	*Units*					
Semi-Volatile Organic Compounds (Cont'd.)						
Fluorene	µg/L	-	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-	-
Hexachlorocyclopentadiene	µg/L	-	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-	-
Isophorone	µg/L	-	-	-	-	-
Naphthalene	µg/L	-	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-	-
Phenanthrene	µg/L	-	-	-	-	-
Phenol	µg/L	-	-	-	-	-
Pyrene	µg/L	-	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-12B*	*MW-13A*	*MW-13B*	*MW-16B*
	Sample ID:	*GW-44538-121912-005*	*GW-44538-121912-003*	*GW-44538-121912-004*	*GW-44538-121912-006*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
3-Methylthiophene	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
Acetone	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
Benzene	µg/L	ND (1.0)	ND (1.0)	ND (5.0)	ND (5.0)
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Bromoform	µg/L	ND (5.0) J	ND (5.0) J	ND (25) J	ND (25) J
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
Carbon disulfide	µg/L	0.19 J	ND (5.0)	ND (25)	ND (25)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Chlorobenzene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Chloroethane	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Dibromochloromethane	µg/L	ND (5.0) J	ND (5.0) J	ND (25) J	ND (25) J
Ethyl Ether	µg/L	2400	ND (10)	470	4000 J
Ethylbenzene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
m&p-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	2.5 J	ND (25)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-12B*	*MW-13A*	*MW-13B*	*MW-16B*
	Sample ID:	*GW-44538-121912-005*	*GW-44538-121912-003*	*GW-44538-121912-004*	*GW-44538-121912-006*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds (Cont'd.)					
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Toluene	µg/L	4.8 J	ND (5.0)	ND (25)	ND (25)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (25)	ND (25)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (50)	ND (50)
Semi-Volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	-	-	-	-
1,2-Dichlorobenzene	µg/L	-	-	-	-
1,3-Dichlorobenzene	µg/L	-	-	-	-
1,4-Dichlorobenzene	µg/L	-	-	-	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	-	-	-	-
2,4,5-Trichlorophenol	µg/L	-	-	-	-
2,4,6-Trichlorophenol	µg/L	-	-	-	-
2,4-Dichlorophenol	µg/L	-	-	-	-
2,4-Dimethylphenol	µg/L	-	-	-	-
2,4-Dinitrophenol	µg/L	-	-	-	-
2,4-Dinitrotoluene	µg/L	-	-	-	-
2,6-Dinitrotoluene	µg/L	-	-	-	-
2-Chloronaphthalene	µg/L	-	-	-	-
2-Chlorophenol	µg/L	-	-	-	-
2-Methylnaphthalene	µg/L	-	-	-	-
2-Methylphenol	µg/L	-	-	-	-
2-Nitroaniline	µg/L	-	-	-	-
2-Nitrophenol	µg/L	-	-	-	-
3,3'-Dichlorobenzidine	µg/L	-	-	-	-
3-Nitroaniline	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-12B*	*MW-13A*	*MW-13B*	*MW-16B*
	Sample ID:	*GW-44538-121912-005*	*GW-44538-121912-003*	*GW-44538-121912-004*	*GW-44538-121912-006*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
4,6-Dinitro-2-methylphenol	µg/L	-	-	-	-
4-Bromophenyl phenyl ether	µg/L	-	-	-	-
4-Chloro-3-methylphenol	µg/L	-	-	-	-
4-Chloroaniline	µg/L	-	-	-	-
4-Chlorophenyl phenyl ether	µg/L	-	-	-	-
4-Methylphenol	µg/L	-	-	-	-
4-Nitroaniline	µg/L	-	-	-	-
4-Nitrophenol	µg/L	-	-	-	-
Acenaphthene	µg/L	-	-	-	-
Acenaphthylene	µg/L	-	-	-	-
Anthracene	µg/L	-	-	-	-
Benzaldehyde	µg/L	-	-	-	-
Benzo(a)anthracene	µg/L	-	-	-	-
Benzo(a)pyrene	µg/L	-	-	-	-
Benzo(b)fluoranthene	µg/L	-	-	-	-
Benzo(g,h,i)perylene	µg/L	-	-	-	-
Benzo(k)fluoranthene	µg/L	-	-	-	-
bis(2-Chloroethoxy)methane	µg/L	-	-	-	-
bis(2-Chloroethyl)ether	µg/L	-	-	-	-
bis(2-Ethylhexyl)phthalate	µg/L	-	-	-	-
Butyl benzylphthalate	µg/L	-	-	-	-
Carbazole	µg/L	-	-	-	-
Chrysene	µg/L	-	-	-	-
Dibenz(a,h)anthracene	µg/L	-	-	-	-
Dibenzofuran	µg/L	-	-	-	-
Diethyl phthalate	µg/L	-	-	-	-
Dimethyl phthalate	µg/L	-	-	-	-
Di-n-butylphthalate	µg/L	-	-	-	-
Di-n-octyl phthalate	µg/L	-	-	-	-
Fluoranthene	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-12B*	*MW-13A*	*MW-13B*	*MW-16B*
	Sample ID:	*GW-44538-121912-005*	*GW-44538-121912-003*	*GW-44538-121912-004*	*GW-44538-121912-006*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
Fluorene	µg/L	-	-	-	-
Hexachlorobenzene	µg/L	-	-	-	-
Hexachlorobutadiene	µg/L	-	-	-	-
Hexachlorocyclopentadiene	µg/L	-	-	-	-
Hexachloroethane	µg/L	-	-	-	-
Indeno(1,2,3-cd)pyrene	µg/L	-	-	-	-
Isophorone	µg/L	-	-	-	-
Naphthalene	µg/L	-	-	-	-
Nitrobenzene	µg/L	-	-	-	-
N-Nitrosodi-n-propylamine	µg/L	-	-	-	-
N-Nitrosodiphenylamine	µg/L	-	-	-	-
Pentachlorophenol	µg/L	-	-	-	-
Phenanthrene	µg/L	-	-	-	-
Phenol	µg/L	-	-	-	-
Pyrene	µg/L	-	-	-	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-17B*	*MW-19B*	*MW-20B*	*MW-21B*
	Sample ID:	*GW-44538-121912-007*	*GW-44538-121912-008*	*GW-44538-121912-009*	*GW-44538-121912-010*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,1,2,2-Tetrachloroethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,1,2-Trichloroethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,1-Dichloroethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,1-Dichloroethene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,2-Dichloroethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
1,2-Dichloropropane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
2-Butanone (Methyl Ethyl Ketone)	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
2-Hexanone	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
2-Methylthiophene	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
3-Methylthiophene	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
Acetone	µg/L	ND (50)	ND (10)	ND (10)	150
Benzene	µg/L	ND (5.0)	ND (1.0)	ND (1.0)	ND (10)
Bromodichloromethane	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Bromoform	µg/L	ND (25) J	ND (5.0) J	ND (5.0) J	ND (50) J
Bromomethane (Methyl Bromide)	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
Carbon disulfide	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Carbon tetrachloride	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Chlorobenzene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Chloroethane	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
Chloroform (Trichloromethane)	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Chloromethane (Methyl Chloride)	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
cis-1,2-Dichloroethene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
cis-1,3-Dichloropropene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Dibromochloromethane	µg/L	ND (25) J	ND (5.0) J	ND (5.0) J	ND (50) J
Ethyl Ether	µg/L	2600 J	160 J	ND (10)	1600 J
Ethylbenzene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
m&p-Xylene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Methylene chloride	µg/L	2.3 J	ND (5.0)	ND (5.0)	5.6 J

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-17B*	*MW-19B*	*MW-20B*	*MW-21B*
	Sample ID:	*GW-44538-121912-007*	*GW-44538-121912-008*	*GW-44538-121912-009*	*GW-44538-121912-010*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds (Cont'd.)					
o-Xylene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Styrene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Tetrachloroethene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Toluene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
trans-1,2-Dichloroethene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
trans-1,3-Dichloropropene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Trichloroethene	µg/L	ND (25)	ND (5.0)	ND (5.0)	ND (50)
Vinyl chloride	µg/L	ND (50)	ND (10)	ND (10)	ND (100)
Semi-Volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	-	-	ND (24)	ND (24)
1,2-Dichlorobenzene	µg/L	-	-	ND (24)	ND (24)
1,3-Dichlorobenzene	µg/L	-	-	ND (24)	ND (24)
1,4-Dichlorobenzene	µg/L	-	-	ND (24)	ND (24)
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	-	-	ND (12)	ND (12)
2,4,5-Trichlorophenol	µg/L	-	-	ND (12)	ND (12)
2,4,6-Trichlorophenol	µg/L	-	-	ND (12)	ND (12)
2,4-Dichlorophenol	µg/L	-	-	ND (12)	ND (12)
2,4-Dimethylphenol	µg/L	-	-	ND (12)	ND (12)
2,4-Dinitrophenol	µg/L	-	-	ND (24)	ND (24)
2,4-Dinitrotoluene	µg/L	-	-	ND (12)	ND (12)
2,6-Dinitrotoluene	µg/L	-	-	ND (12)	ND (12)
2-Chloronaphthalene	µg/L	-	-	ND (12)	ND (12)
2-Chlorophenol	µg/L	-	-	ND (12)	ND (12)
2-Methylnaphthalene	µg/L	-	-	ND (12)	ND (12)
2-Methylphenol	µg/L	-	-	ND (12)	ND (12)
2-Nitroaniline	µg/L	-	-	ND (24)	ND (24)
2-Nitrophenol	µg/L	-	-	ND (12)	ND (12)
3,3'-Dichlorobenzidine	µg/L	-	-	ND (12)	ND (12)
3-Nitroaniline	µg/L	-	-	ND (24)	ND (24)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-17B*	*MW-19B*	*MW-20B*	*MW-21B*
	Sample ID:	*GW-44538-121912-007*	*GW-44538-121912-008*	*GW-44538-121912-009*	*GW-44538-121912-010*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
4,6-Dinitro-2-methylphenol	µg/L	-	-	ND (24)	ND (24)
4-Bromophenyl phenyl ether	µg/L	-	-	ND (12)	ND (12)
4-Chloro-3-methylphenol	µg/L	-	-	ND (12)	ND (12)
4-Chloroaniline	µg/L	-	-	ND (12)	ND (12)
4-Chlorophenyl phenyl ether	µg/L	-	-	ND (12)	ND (12)
4-Methylphenol	µg/L	-	-	ND (24)	6.1 J
4-Nitroaniline	µg/L	-	-	ND (24)	ND (24)
4-Nitrophenol	µg/L	-	-	ND (24)	ND (24)
Acenaphthene	µg/L	-	-	ND (12)	ND (12)
Acenaphthylene	µg/L	-	-	ND (12)	ND (12)
Anthracene	µg/L	-	-	ND (12)	ND (12)
Benzaldehyde	µg/L	-	-	ND (12)	ND (12)
Benzo(a)anthracene	µg/L	-	-	ND (12)	ND (12)
Benzo(a)pyrene	µg/L	-	-	ND (12)	ND (12)
Benzo(b)fluoranthene	µg/L	-	-	ND (12)	ND (12)
Benzo(g,h,i)perylene	µg/L	-	-	ND (12)	ND (12)
Benzo(k)fluoranthene	µg/L	-	-	ND (12)	ND (12)
bis(2-Chloroethoxy)methane	µg/L	-	-	ND (12)	ND (12)
bis(2-Chloroethyl)ether	µg/L	-	-	ND (12)	ND (12)
bis(2-Ethylhexyl)phthalate	µg/L	-	-	ND (12)	ND (12)
Butyl benzylphthalate	µg/L	-	-	ND (12)	ND (12)
Carbazole	µg/L	-	-	ND (12)	ND (12)
Chrysene	µg/L	-	-	ND (12)	ND (12)
Dibenz(a,h)anthracene	µg/L	-	-	ND (12)	ND (12)
Dibenzofuran	µg/L	-	-	ND (24)	ND (24)
Diethyl phthalate	µg/L	-	-	ND (12)	ND (12)
Dimethyl phthalate	µg/L	-	-	ND (12)	ND (12)
Di-n-butylphthalate	µg/L	-	-	ND (12)	ND (12)
Di-n-octyl phthalate	µg/L	-	-	ND (12)	ND (12)
Fluoranthene	µg/L	-	-	ND (12)	ND (12)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-17B*	*MW-19B*	*MW-20B*	*MW-21B*
	Sample ID:	*GW-44538-121912-007*	*GW-44538-121912-008*	*GW-44538-121912-009*	*GW-44538-121912-010*
	Sample Date:	*12/19/2012*	*12/19/2012*	*12/19/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
Fluorene	µg/L	-	-	ND (12)	ND (12)
Hexachlorobenzene	µg/L	-	-	ND (12)	ND (12)
Hexachlorobutadiene	µg/L	-	-	ND (12)	ND (12)
Hexachlorocyclopentadiene	µg/L	-	-	ND (12)	ND (12)
Hexachloroethane	µg/L	-	-	ND (12)	ND (12)
Indeno(1,2,3-cd)pyrene	µg/L	-	-	ND (12)	ND (12)
Isophorone	µg/L	-	-	ND (12)	ND (12)
Naphthalene	µg/L	-	-	ND (12)	ND (12)
Nitrobenzene	µg/L	-	-	ND (12)	ND (12)
N-Nitrosodi-n-propylamine	µg/L	-	-	ND (12)	ND (12)
N-Nitrosodiphenylamine	µg/L	-	-	ND (12)	ND (12)
Pentachlorophenol	µg/L	-	-	ND (24)	ND (24)
Phenanthrene	µg/L	-	-	ND (12)	ND (12)
Phenol	µg/L	-	-	ND (12)	ND (12)
Pyrene	µg/L	-	-	ND (12)	ND (12)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-22B*	*MW-23B*	*MW-24B*	*RW-1*
	Sample ID:	*GW-44538-122012-016*	*GW-44538-122012-017*	*GW-44538-122012-015*	*GW-44538-121912-011*
	Sample Date:	*12/20/2012*	*12/20/2012*	*12/20/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,1,2,2-Tetrachloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,1,2-Trichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,1-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,1-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,2-Dichloroethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
1,2-Dichloropropane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	µg/L	2.9 J	ND (10)	ND (10)	ND (50)
2-Hexanone	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
2-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
3-Methylthiophene	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
Acetone	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
Benzene	µg/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (5.0)
Bromodichloromethane	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Bromoform	µg/L	ND (5.0) J	ND (5.0) J	ND (5.0) J	ND (25) J
Bromomethane (Methyl Bromide)	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
Carbon disulfide	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Carbon tetrachloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Chlorobenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Chloroethane	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
Chloroform (Trichloromethane)	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Chloromethane (Methyl Chloride)	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
cis-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
cis-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Dibromochloromethane	µg/L	ND (5.0) J	ND (5.0) J	ND (5.0) J	ND (25) J
Ethyl Ether	µg/L	ND (10)	ND (10)	ND (10)	100
Ethylbenzene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
m&p-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Methylene chloride	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-22B*	*MW-23B*	*MW-24B*	*RW-1*
	Sample ID:	*GW-44538-122012-016*	*GW-44538-122012-017*	*GW-44538-122012-015*	*GW-44538-121912-011*
	Sample Date:	*12/20/2012*	*12/20/2012*	*12/20/2012*	*12/19/2012*
Parameter	***Units***				
Volatile Organic Compounds (Cont'd.)					
o-Xylene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Styrene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Tetrachloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Toluene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
trans-1,2-Dichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
trans-1,3-Dichloropropene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Trichloroethene	µg/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (25)
Vinyl chloride	µg/L	ND (10)	ND (10)	ND (10)	ND (50)
Semi-Volatile Organic Compounds					
1,2,4-Trichlorobenzene	µg/L	ND (24)	ND (26)	ND (24)	-
1,2-Dichlorobenzene	µg/L	ND (24)	ND (26)	ND (24)	-
1,3-Dichlorobenzene	µg/L	ND (24)	ND (26)	ND (24)	-
1,4-Dichlorobenzene	µg/L	ND (24)	ND (26)	ND (24)	-
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	µg/L	ND (12)	ND (13)	ND (12)	-
2,4,5-Trichlorophenol	µg/L	ND (12)	ND (13)	ND (12)	-
2,4,6-Trichlorophenol	µg/L	ND (12)	ND (13)	ND (12)	-
2,4-Dichlorophenol	µg/L	ND (12)	ND (13)	ND (12)	-
2,4-Dimethylphenol	µg/L	ND (12)	ND (13)	ND (12)	-
2,4-Dinitrophenol	µg/L	ND (24)	ND (26)	ND (24)	-
2,4-Dinitrotoluene	µg/L	ND (12)	ND (13)	ND (12)	-
2,6-Dinitrotoluene	µg/L	ND (12)	ND (13)	ND (12)	-
2-Chloronaphthalene	µg/L	ND (12)	ND (13)	ND (12)	-
2-Chlorophenol	µg/L	ND (12)	ND (13)	ND (12)	-
2-Methylnaphthalene	µg/L	ND (12)	ND (13)	ND (12)	-
2-Methylphenol	µg/L	ND (12)	ND (13)	ND (12)	-
2-Nitroaniline	µg/L	ND (24)	ND (26)	ND (24)	-
2-Nitrophenol	µg/L	ND (12)	ND (13)	ND (12)	-
3,3'-Dichlorobenzidine	µg/L	ND (12)	ND (13)	ND (12)	-
3-Nitroaniline	µg/L	ND (24)	ND (26)	ND (24)	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-22B*	*MW-23B*	*MW-24B*	*RW-1*
	Sample ID:	*GW-44538-122012-016*	*GW-44538-122012-017*	*GW-44538-122012-015*	*GW-44538-121912-011*
	Sample Date:	*12/20/2012*	*12/20/2012*	*12/20/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
4,6-Dinitro-2-methylphenol	µg/L	ND (24)	ND (26)	ND (24)	-
4-Bromophenyl phenyl ether	µg/L	ND (12)	ND (13)	ND (12)	-
4-Chloro-3-methylphenol	µg/L	ND (12)	ND (13)	ND (12)	-
4-Chloroaniline	µg/L	ND (12)	ND (13)	ND (12)	-
4-Chlorophenyl phenyl ether	µg/L	ND (12)	ND (13)	ND (12)	-
4-Methylphenol	µg/L	ND (24)	ND (26)	ND (24)	-
4-Nitroaniline	µg/L	ND (24)	ND (26)	ND (24)	-
4-Nitrophenol	µg/L	ND (24)	ND (26)	ND (24)	-
Acenaphthene	µg/L	ND (12)	ND (13)	ND (12)	-
Acenaphthylene	µg/L	ND (12)	ND (13)	ND (12)	-
Anthracene	µg/L	ND (12)	ND (13)	ND (12)	-
Benzaldehyde	µg/L	ND (12)	ND (13)	ND (12)	-
Benzo(a)anthracene	µg/L	ND (12)	ND (13)	ND (12)	-
Benzo(a)pyrene	µg/L	ND (12)	ND (13)	ND (12)	-
Benzo(b)fluoranthene	µg/L	ND (12)	ND (13)	ND (12)	-
Benzo(g,h,i)perylene	µg/L	ND (12)	ND (13)	ND (12)	-
Benzo(k)fluoranthene	µg/L	ND (12)	ND (13)	ND (12)	-
bis(2-Chloroethoxy)methane	µg/L	ND (12)	ND (13)	ND (12)	-
bis(2-Chloroethyl)ether	µg/L	ND (12)	ND (13)	ND (12)	-
bis(2-Ethylhexyl)phthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Butyl benzylphthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Carbazole	µg/L	ND (12)	ND (13)	ND (12)	-
Chrysene	µg/L	ND (12)	ND (13)	ND (12)	-
Dibenz(a,h)anthracene	µg/L	ND (12)	ND (13)	ND (12)	-
Dibenzofuran	µg/L	ND (24)	ND (26)	ND (24)	-
Diethyl phthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Dimethyl phthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Di-n-butylphthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Di-n-octyl phthalate	µg/L	ND (12)	ND (13)	ND (12)	-
Fluoranthene	µg/L	ND (12)	ND (13)	ND (12)	-

TABLE 2

ANALYTICAL RESULTS SUMMARY
GROUNDWATER MONITORING
NPEC INC. STERLING SITE 3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

	Sample Location:	*MW-22B*	*MW-23B*	*MW-24B*	*RW-1*
	Sample ID:	*GW-44538-122012-016*	*GW-44538-122012-017*	*GW-44538-122012-015*	*GW-44538-121912-011*
	Sample Date:	*12/20/2012*	*12/20/2012*	*12/20/2012*	*12/19/2012*
Parameter	***Units***				
Semi-Volatile Organic Compounds (Cont'd.)					
Fluorene	µg/L	ND (12)	ND (13)	ND (12)	-
Hexachlorobenzene	µg/L	ND (12)	ND (13)	ND (12)	-
Hexachlorobutadiene	µg/L	ND (12)	ND (13)	ND (12)	-
Hexachlorocyclopentadiene	µg/L	ND (12)	ND (13)	ND (12)	-
Hexachloroethane	µg/L	ND (12)	ND (13)	ND (12)	-
Indeno(1,2,3-cd)pyrene	µg/L	ND (12)	ND (13)	ND (12)	-
Isophorone	µg/L	ND (12)	ND (13)	ND (12)	-
Naphthalene	µg/L	ND (12)	ND (13)	ND (12)	-
Nitrobenzene	µg/L	ND (12)	ND (13)	ND (12)	-
N-Nitrosodi-n-propylamine	µg/L	ND (12)	ND (13)	ND (12)	-
N-Nitrosodiphenylamine	µg/L	ND (12)	ND (13)	ND (12)	-
Pentachlorophenol	µg/L	ND (24)	ND (26)	ND (24)	-
Phenanthrene	µg/L	ND (12)	ND (13)	ND (12)	-
Phenol	µg/L	ND (12)	ND (13)	ND (12)	-
Pyrene	µg/L	ND (12)	ND (13)	ND (12)	-

Notes:

J - Estimated concentration.
ND - Not detected at the associated reporting limit.
TJ - Tentatively identified compound, estimated concentration.
TJN - Tentatively identified compound, estimated concentration.
UJ - Not detected; associated reporting limit is estimated.
- - Not applicable.

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Parameter	*Method* [1]	*Matrix*	*Holding Time*	
			Collection to Extraction (Days)	*Collection or Extraction to Analysis (Days)*
TCL VOC	SW-846 8260	Water	-	14
TCL SVOC	SW-846 8270C	Water	7	40

Notes

[1] "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Acetone	12/29/2012	-	39	GW-44538-121912-006	500 UJ	µg/L
					GW-44538-121912-007	400 UJ	µg/L
					GW-44538-121912-008	20 UJ	µg/L
					GW-44538-121912-010	190 J	µg/L
					GW-44538-121912-013	67 J	µg/L
VOCs	Ethyl ether	12/29/2012	-	33	GW-44538-121912-006	4000 J	µg/L
					GW-44538-121912-007	2600 J	µg/L
					GW-44538-121912-008	160 J	µg/L
					GW-44538-121912-010	1600 J	µg/L
					GW-44538-121912-013	16 J	µg/L
VOCs	Dibromochloromethane	12/28/2012	-	28	GW-44538-121912-001	25 UJ	µg/L
					GW-44538-121912-002	5.0 UJ	µg/L
					GW-44538-121912-003	5.0 UJ	µg/L
					GW-44538-121912-004	25 UJ	µg/L
					GW-44538-121912-005	5.0 UJ	µg/L
					GW-44538-121912-006	25 UJ	µg/L
					GW-44538-121912-007	25 UJ	µg/L
					GW-44538-121912-008	5.0 UJ	µg/L
					GW-44538-121912-009	5.0 UJ	µg/L
					GW-44538-121912-010	50 UJ	µg/L
					GW-44538-121912-011	25 UJ	µg/L
					GW-44538-121912-012	50 UJ	µg/L
					GW-44538-121912-013	25 UJ	µg/L
					GW-44538-121912-014	5.0 UJ	µg/L
					GW-44538-122012-015	5.0 UJ	µg/L
					GW-44538-122012-016	5.0 UJ	µg/L
					GW-44538-122012-017	5.0 UJ	µg/L

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Parameter	*Analyte*	*Calibration Date*	*RRF*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Bromoform	12/28/2012	-	33	GW-44538-121912-001	25 UJ	µg/L
					GW-44538-121912-002	5.0 UJ	µg/L
					GW-44538-121912-003	5.0 UJ	µg/L
					GW-44538-121912-004	25 UJ	µg/L
					GW-44538-121912-005	5.0 UJ	µg/L
					GW-44538-121912-006	25 UJ	µg/L
					GW-44538-121912-007	25 UJ	µg/L
					GW-44538-121912-008	5.0 UJ	µg/L
					GW-44538-121912-009	5.0 UJ	µg/L
					GW-44538-121912-010	50 UJ	µg/L
					GW-44538-121912-011	25 UJ	µg/L
					GW-44538-121912-012	50 UJ	µg/L
					GW-44538-121912-013	25 UJ	µg/L
					GW-44538-121912-014	5.0 UJ	µg/L
					GW-44538-122012-015	5.0 UJ	µg/L
					GW-44538-122012-016	5.0 UJ	µg/L
					GW-44538-122012-017	5.0 UJ	µg/L

Notes:

- Not applicable.
%D Percent difference.
RRF Relative response factor.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Parameter	*Analyte*	*Analysis Date*	*Blank Result **	*Sample ID*	*Original Result*	*Qualified Result*	*Units*
VOCs	Methylene chloride	12/29/12	0.723 J	GW-44538-121912-008	1.1 J	10 U	µg/L
				GW-44538-121912-006	39 J	250 U	µg/L
				GW-44538-121912-007	29 J	200 U	µg/L
				GW-44538-121912-010	16 J	100 U	µg/L
				GW-44538-121912-013	15 J	100 U	µg/L

Notes:

* Blank result adjusted for sample factors where applicable.
U Not detected at the associated reporting limit.

TABLE 6

TENTATIVELY IDENTIFIED COMPOUNDS
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Sample Location	*Volatile Organics*	*Estimated Concentration (µg/L)*	*Semivolatile Organics*	*Estimated Concentration (µg/L)*
GW-44538-121912-002	Isopropyl Alcohol	51 J	-	-
GW-44538-121912-003	Isopropyl Alcohol	47 J	-	-
GW-44538-121912-004	Dichlorofluoromethane	2.0 J	-	-
	Chlorodifluoromethane	13 J	-	-
	Dichlorodifluoromethane (CFC-12)	9.1 J	-	-
GW-44538-121912-005	Diisopropyl ether	3.0 J	-	-
	Ethyl Acetate	1.7 J	-	-
	Methyl tert butyl ether (MTBE)	0.62 J	-	-
	Diethoxymethane	3.4 J	-	-
	Isopropyl Alcohol	67 J	-	-
	Dichlorofluoromethane	1.1 J	-	-
	Chlorodifluoromethane	11 J	-	-
	tert-Butyl alcohol	34 J	-	-
GW-44538-121912-006	Ethyl Acetate	4.0 J	-	-
	Chlorodifluoromethane	13 J	-	-
GW-44538-121912-007	Chlorodifluoromethane	13 J	-	-
GW-44538-121912-008	Chlorodifluoromethane	1.8 J	-	-
GW-44538-121912-009	-	-	Unknown	81 J

TABLE 6

TENTATIVELY IDENTIFIED COMPOUNDS
GROUNDWATER MONITORING
NPEC INC. STERLING SITE #3
EAST GREENBUSH, NEW YORK
DECEMBER 2012

Sample Location	*Volatile Organics*	*Estimated Concentration (µg/L)*	*Semivolatile Organics*	*Estimated Concentration (µg/L)*
GW-44538-121912-010	Ethyl Acetate	8.5 J	Benzeneacetic acid	69 J
	Isopropyl Alcohol	470 J	Talbutal	35 J
	-	-	Vanillin	34 J
	-	-	4-Hydroxy-benzaldehyde	12 J
	-	-	Benzenepropanoic acid	30 J
	-	-	Unknown	280 J
GW-44538-121912-011	Chlorodifluoromethane	16 J	-	-
GW-44538-121912-012	Chlorodifluoromethane	110 J	-	-
GW-44538-121912-013	Isopropyl Alcohol	260 J	-	-
	Unknown	13 J	-	-
GW-44538-121912-015	-	-	Unknown	53 J
GW-44538-122012-016	Ethyl Acetate	1.5 J	Unknown	50 J
	Isopropyl Alcohol	47 J		
GW-44538-122012-017	-	-	Unknown	102 J

Note:

- Not applicable.
J Estimated concentration.