Environment

Submitted to

U.S. Army Corps of Engineers
Baltimore District
10 South Howard Street
Baltimore, Maryland

Submitted by

AECOM
Alexandria, Virginia
and
Bureau Veritas North America, Inc.
Edison, New Jersey

Project No. 60247178

January 2013

Vapor Intrusion Site Investigation Report Main Post and Charles Wood Area OACSIM – U.S. Army Fort Monmouth Oceanport, New Jersey

Final

200.1e
FTMM_01.08_0527_a

Table of Contents

1 INTRODUCTION 1-1
1.1 Objectives and Scope of this Site Investigation 1-1
1.2 Fort Monmouth Background 1-1
2 PHYSICAL SETTING AND GENERAL SITE-WIDE CONCEPTUAL MODEL 2-1
2.1 Physiography and Topography 2-1
2.2 Soils 2-1
2.3 Geology 2-1
2.4 Hydrogeology 2-2
2.4.1 Regional Hydrogeology 2-2
2.4.2 Site-Specific Hydrogeology 2-2
2.5 Surface Water 2-2
2.6 Ecology 2-2
2.7 Climatology/Meteorology 2-2
2.8 Land Use over 1,000-Foot Radius 2-3
2.9 General Site-Wide Conceptual Model for Vapor Intrusion 2-3
3 VAPOR INTRUSION SITE INVESTIGATION ACTIVITIES 3-1
3.1 Selection of Targeted Buildings 3-1
3.2 Kickoff Meeting 3-1
3.3 Site Inspection 3-2
3.4 Sampling Activities 3-2
3.4.1 Indoor and Ambient Air Sampling Methods 3-3
3.4.2 Sub-Slab Soil-Gas Sampling Methods 3-3
3.5 Deviations from Guidance, Regulations, and the Workplan 3-5
3.6 Data Evaluation and Reporting 3-5
4 VAPOR INTRUSION SITE INVESTIGATION RESULTS 4-1
4.1 Building Inspection Results 4-1
4.2 Sampling Results 4-2
5 DISCUSSION OF VAPOR INTRUSION SITE INVESTIGATION RESULTS 5-1
5.1 Summary of the Data Quality Review 5-1
5.2 Discussion of the Sampling Results and the Vapor Intrusion Pathway 5-1
6 CONCLUSIONS AND RECOMMENDATIONS 6-1
7 REFERENCES 7-1

Appendices

Appendix A Historical Groundwater Analytical Data
Appendix B Field Forms
Appendix C Laboratory Analytical Records

This page intentionally left blank.

List of Figures

Figure 1 Site Location Map
Figure 2 Main Post, Fort Monmouth, New Jersey
Figure 3 Charles Wood Area, Fort Monmouth, New Jersey
Figure 4 Land Use Map
Figure 5 General VI Site-wide Conceptual Model
Figure 6 Building 323 Vapor Intrustion (VI) Site Investigation Sampling Results
Figure 7 Building 602 Vapor Intrustion (VI) Site Investigation Sampling Results
Figure 8 Buildings 699 and 700 Vapor Intrustion (VI) Site Investigation Sampling Results
Figure 9 Building 1001 Vapor Intrustion (VI) Site Investigation Sampling Results
Figure 10 Building 2700 Vapor Intrustion (VI) Site Investigation Sampling Results

List of Tables

Table 1 Sample Details and Analytical Parameters
Table 2 Summary of VI Site Investigation Results

This page intentionally left blank.

List of Acronyms and Abbreviations

AA	ambient air
ATSDR	Agency for Toxic Substances and Disease Registry
bgs	below ground surface
BRAC	Base Realignment and Closure Act of 1990
BTEX	benzene, toluene, ethylbenzene, and xylenes
CECOM	Communications and Electronics Command
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CWA	Charles Wood Area
DCA	dichloroethane
DCE	dichloroethene
EPA	Environmental Protection Agency
eV	electron volt
GWSLs	Groundwater Screening Levels
HVAC	heating, ventilation, and air conditioning
IA	indoor air
IASLs	Indoor Air Screening Levels
LEL	lower explosive limit
µg/L	micrograms per liter
$\mu g/m^3$	micrograms per cubic meter
mL/min	milli liters per minute
MP	Main Post
NELAP	National Environmental Laboratory Accreditation Program
NJAC	New Jersey Administrative Code
NJDEP	New Jersey Department of Environmental Protection
OQA	Office of Quality Assurance
PCA	tetrachloroethane
PCE	tetrachloroethene
PID	photoionization detector
QA/QC	quality assurance/quality control
QC	quality control
SGSLs	Soil-gas Screening Levels
SS	sub-slab
TCA	trichloroethane
TCE	trichloroethene
US	United States
USACE	United States Army Corps of Engineers
VI	vapor intrusion
VOCs	volatile organic compounds

This page intentionally left blank.

1 Introduction

This *Vapor Intrusion Site Investigation Report* documents the findings of a vapor intrusion (VI) site investigation conducted between February and April 2012 at Fort Monmouth, New Jersey by the Fort Monmouth Team, which consists of Bureau Veritas North America (Bureau Veritas), AECOM, and Fort Monmouth and U.S. Army Corps of Engineers representatives. The VI site investigation was completed in accordance with the New Jersey Department of Environmental Protection (NJDEP) document *Vapor Intrusion Technical Guidance*, dated January 2012 (*VI Guidance*); the *Vapor Intrusion Workplan* (Bureau Veritas-AECOM, 2012); the New Jersey Administrative Code (N.J.A.C.) 7:26E, Section 4.2; and all applicable existing Federal regulations (i.e., the Comprehensive Environmental Response, Compensation, and Liability Act [CERCLA]). The sampling methodology, and any deviations from the *VI Workplan* or the *VI Guidance*, was approved in a meeting with the NJDEP on 22 February 2012. This report summarizes the work conducted as part of this task order and the findings of this study.

1.1 Objectives and Scope of this Site Investigation

The overall objective for this investigation is to evaluate and provide recommendations related to the VI pathway at six buildings at Fort Monmouth, including five buildings at the Main Post (MP) and one building at the Charles Wood Area (CWA). In order to achieve this objective, the project includes the following activities:

1. Conduct a site visit for the purpose of identifying potential background sources of volatile organic compounds (VOCs) at sampling locations, complete Building Evaluation Forms, determine points of potential VI into targeted buildings, identify sampling locations, and document ventilation systems (if operational);
2. Collect co-located indoor air and sub-slab soil-gas samples in targeted buildings;
3. Collect background ambient air samples adjacent to targeted buildings;
4. Compare results with published NJDEP indoor air and soil-gas screening levels;
5. Determine whether or not subsurface utility lines are preferential pathways for VOC migration into targeted buildings; and
6. Evaluate the VI pathway and provide recommendations.

1.2 Fort Monmouth Background

Fort Monmouth was established in June 1917 and was originally named Camp Little Silver. The primary mission of Fort Monmouth was to provide command, administrative and logistical support for Headquarters, U.S. Army Communications and Electronics Command (CECOM). The support provided by the installation was used by tenant activities in the performance of research, development, procurement and production of prototype communications and electronics equipment for use by the United States Armed Forces. The post was closed 15 September 2011 in accordance with the recommendations of the Department of Defense Base Realignment and Closure Act of 1990 (BRAC), Public Law 101-510, as amended. The six buildings targeted in this VI site investigation have been vacant since the closure of the post.

This page intentionally left blank.

2 Physical Setting and General Site-Wide Conceptual Model

The following section describes the physical setting of Fort Monmouth, including physiography, geology, hydrogeology, surface water, ecology, and climatology.

2.1 Physiography and Topography

Fort Monmouth is located in the central-eastern portion of New Jersey in Monmouth County, approximately 45 miles south of New York City, New York, 70 miles northeast of Philadelphia, Pennsylvania, and 40 miles east of Trenton, New Jersey. The Atlantic Ocean is approximately 3 miles to the east. Fort Monmouth falls within the Boroughs of Eatontown, Oceanport, and Tinton Falls. The areas surrounding the post are characterized by a mixture of residential, commercial, and light industrial uses.

Fort Monmouth occupies approximately 1,126 acres and is currently comprised of two operational areas, the MP and the CWA. The MP is generally bounded by State Highway 35 to the west, Parkers Creek to the north, the New Jersey Transit Railroad to the east, and Main Street and State Highway 71 to the south. The CWA is bounded by the Garden State Parkway to the west, Tinton Avenue to the north, Maxwell Place and the New Jersey Transit Railroad to the east, and Pine Brook to the south. Figure 1 shows the location of both areas, and Figures 2 and 3 provide detailed maps of the MP and CWA, respectively.

Both the MP and CWA are located within New Jersey's Coastal Plains Physiographic Province, which is described as gently dipping to the southeast. The Coastal Plains Physiographic Province is characterized by sedimentary beds dissected by meandering rivers that drain to the Raritan or Delaware River. The topography of the installation is relatively flat, and has an elevation of 20 to 25 feet above mean sea level.

2.2 Soils

Surface soils in the vicinity of the MP and CWA are sandy loams ranging in depth from 9 to 12 inches. The surface soils are underlain by sandy loam, sandy clay loam, or loam that may grade to loamy sand at a depth of approximately 5 feet below ground surface (bgs). Some areas at the MP and CWA are covered by impermeable surfaces such as roads, parking lots, buildings, etc. Additional detail with respect to soils at the MP and CWA can be found in the *VI Workplan* (Bureau Veritas-AECOM, 2012). (Source: United States Department of Agriculture, Soil Conservation Service, *Soil Survey of Monmouth County New Jersey*, 1989).

2.3 Geology

Numerous geologic studies have been conducted in northern New Jersey in the vicinity of the Fort Monmouth area. The following section describes the regional and site-specific geology obtained from the *Geologic Map of New Jersey* (NJDEP, Division of Science, Research and Technology, Geological Survey, 1999); *Bedrock Geology of the Long Branch Quadrangle, Monmouth County, New Jersey* (Stanford and Sugarman in conjunction with USGS, 2010); and *Surficial Geology of the Long Branch Quadrangle, Monmouth County, New Jersey* (Stanford, 2000).

The State of New Jersey is divided into four Physiographic regions, including the Valley and Ridge, Highlands, Piedmont and Coastal Plain. The Valley & Ridge, Highlands, and Piedmont consist of consolidated Paleozoic and Precambrian rocks (folded and metamorphosed sedimentary rocks, crystalline intrusive and metamorphic rocks) that outcrop in the northern part of the state. The Coastal Plain occurs to the southeast and is characterized by a wedge of generally unconsolidated sedimentary deposits of Cretaceous (Mesozoic) to Miocene Age (Cenezoic) that thickens to the southeast. The fall line separates the older consolidated rocks of the Valley and Ridge, Highlands, and Piedmont from the unconsolidated Coastal Plain deposits, and is located approximately 25 miles northwest of Fort Monmouth.

The Coastal Plain sediments are comprised of layers of silt, sand and clay deposited in deltaic and marine environments as sea level fluctuated in Cretaceous and Tertiary time. The coastal plain deposits are overlain in some areas by a thin veneer of more recent (Late Tertiary and Quaternary) fluvial sand and gravel deposits associated with fluvial systems.

The MP and CWA are situated on Coastal Plain deposits. Both the MP and the CWA are underlain by surficial deposits of the Cape May Formation (Unit 2, Late Pleistocene and Unit 1, Middle Pliestocene, respectively). The Cape May Formation is

described as sand, with little silt and clay, and gravel. The sand is mostly quartz, with minor glauconite and mica; the gravel is quartz and quartzite. The MP also has intermittent deposits of alluvium composed of sand, silt, and clay, with some pebble gravel that occurs mostly in or adjacent to surficial waterways. Bedrock underlies the surficial deposits of the Cape May Formation, and going from younger (near surface) to older (deeper) consist of the Vincentown Formation (Tertiary), the Hornerstown Formation (Tertiary), the Tinton Formation (Cretaceous) and the Red Bank Formation (Cretaceous). The Vincentown Formation does not occur in the area of the MP. These bedrock formations are described as follows:

- The Vincentown Formation is described as glauconitic, silty, medium- to coarse-grained quartz sand with some fine-grained pebbles.
- The Vincentown Formation unconformably overlies the Hornerstown Formation, which is described as glauconitic clay and silty clay.
- The Hornerstown Formation unconformably overlies the Tinton Formation, which is described as glauconitic silty quartz sand with common iron cementation.
- The Red Bank Formation is quartz sand with little silt and glauconite.

2.4 Hydrogeology

2.4.1 Regional Hydrogeology

Regionally, the MP and CWA are located within a composite confining unit. Typically, silt and clay with localized sand lenses define the area. Confining units in the Fort Monmouth area include the Hornerstown and Tinton Formations, as well as the lower part of the Red Bank Formation. Localized water table aquifers are composed of massive quartz sand outcrops of the Vincentown Formation and the upper part of the Red Bank Formation. The aquifers grade into confining units southeastward in the subsurface where the quartz sands become more glauconitic and silty. Water quality in the aquifers is generally good, but iron and manganese levels may be locally elevated. Calcium-bicarbonate-type waters dominate this area.

2.4.2 Site-Specific Hydrogeology

Onsite depth to groundwater ranges from 2.37 to 30.19 feet bgs, with groundwater elevations ranging from -0.45 to 54.52 feet above mean sea level. The groundwater table is relatively shallow at the installation, and it fluctuates with the tidal action in Parkers and Oceanport Creeks at the MP.

2.5 Surface Water

The northeastern and southeastern portions of the MP are bordered by Parkers Creek and Oceanport Creek, respectively, and the southern portion of the MP is bordered by Husky Brook. The Shrewsbury River is located within one mile to the east of the MP. Wampam Brook is located to the south of the CWA, and an unnamed brook transverses the CWA from east to west. No other surface water bodies were identified within one mile of the CWA.

All identified surface water bodies ultimately drain into the Shrewsbury Bay, situated adjacent to the eastern edge of the MP. Shrewsbury Bay is separated from the Atlantic Ocean by a barrier island. However, channels through the barrier island ensure hydraulic connection between Shrewsbury Bay and the Atlantic Ocean. As a result, the water in Shrewsbury Bay is tidally influenced and is brackish to saline. Water in the tributary streams to Shrewsbury Bay is also tidally influenced, and is fresh water to brackish at low tide and brackish to saline at high tide.

Storm water drains from the site to municipal drainage systems via overland flow.

2.6 Ecology

Ecological features of this area include Southern mixed oak forest, Upland pine forest, Beech-oak forest, Red maple-sweet gum forest, Virginia pine successional forest, coastal white cedar swamp, hardwood swamp, emergent marshes, and freshwater tidal marsh.

2.7 Climatology/Meteorology

The climate in the Fort Monmouth area is typically humid subtropical and is impacted by continental and oceanic influences. The proximity of the Atlantic Ocean tends to minimize seasonal temperature fluctuations as compared to interior regions of the state. Based on data obtained from the National Weather Service, the temperature at Fort Monmouth ranges from 20^{o}F to 90^{o}F (average of 57^{o}F), and precipitation averages 42 inches per year. Winter is typically cold with occasional Nor'easters,

resulting in rain along the coast; springs are mild, with the average temperature in the 50s and common thunderstorms; summers are hot and humid, with rare hurricanes; and autumns are similar to spring in terms of temperature and precipitation, although unpredictable weather is common. New Jersey air quality has improved significantly over the last 40 years, but exceeds the current standards for ozone throughout the state and fine particles in urban areas.

2.8 Land Use over 1,000-Foot Radius

The area surrounding the MP and CWA are used for both residential and commercial purposes (see Figure 4). The following public places are located near the MP and CWA:

Main Post (MP)

- Wampam Brook Park – located to the southwest
- Old Wharf Park – located to the south at 321 E. Main St., Oceanport, NJ 07757
- St. Dorothea's Roman Catholic Church, 240 Broad Street, Eatontown, NJ 07724-1601
- Eatontown Historical Museum, 75 Broad Street, Eatontown, NJ 07724

Charles Wood Area (CWA)

- Borough of Tinton Falls, 556 Tinton Avenue, Tinton Falls, NJ 07724

2.9 General Site-Wide Conceptual Model for Vapor Intrusion

Vapor intrusion is typically conceptualized as shown Figure 5. Vapor intrusion occurs when vapors migrate from sources into buildings. These vapors may be generated at a variety of sources, including, but not limited to, leaking underground storage tanks, groundwater impacted by VOCs, gasoline that may have been released into the ground, and chemicals containing VOCs that may have been released into the ground. VOCs in the source area volatilize, creating volatile organic vapors in the ground. These vapors generally move away from the source area from advection (pressure gradients) and diffusion (concentration gradients). Vapor movement can be blocked by, among other conditions and structures, water trapped in the soil, less permeable soil (e.g., clay), and low permeability or impermeable manmade structures (e.g., building foundations). Therefore, the direction of vapor movement is difficult to predict.

The vapor eventually vents to the atmosphere or accumulates under a structure (such as a building). If vented to the atmosphere, the vapor is rapidly diluted and is not generally of concern. Vapors that accumulate under building foundations, however, could eventually migrate into the building. Vapor migration is most likely to occur along preferential pathways through a building foundation. Such pathways may include cracks in the concrete floor of a slab-on-grade building, areas where utility lines penetrate the foundation, or unpaved basements and crawl spaces. Once the vapor migrates into the building, it may affect indoor air quality. If the building is frequently occupied, there are human receptors for the VOC vapors and the vapor intrusion pathway is considered complete.

The term vapor intrusion, as it is used in this report, does not include migration of vapors from ambient air into buildings. Automobile exhaust, factory emissions from smokestacks, natural processes, and many other sources all impact local and regional air quality. Chemicals, including VOCs that are in ambient air, may affect indoor air quality, but this is not considered to be vapor intrusion. Likewise, VOCs in indoor air may be attributable to new carpeting, paints and stains/weatherproofing compounds, and many other sources. Although these VOCs may also affect indoor air quality, this also is not considered to be vapor intrusion.

Based upon the above discussion, the vapor intrusion pathway is considered complete when a source releases VOC vapors, the vapors accumulate under a building, and the vapors migrate into a building. Environmental studies, such as documented in this report, generate data to determine whether VOC vapors are present beneath buildings and in indoor air. If no source area exists, no vapors are present at elevated concentrations in soil-gas below buildings, or the vapors do not migrate into buildings, the vapor intrusion pathway is considered incomplete and there is no adverse impact to human receptors who may occupy the buildings.

This page intentionally left blank.

3 Vapor Intrusion Site Investigation Activities

The VI site investigation consisted of the following elements:

- Selection of buildings to be included in the VI site investigation;
- The 22 February 2012 kickoff meeting at the NJDEP;
- The 27 February 2012 site inspection, including inspection of targeted buildings;
- Collection and analysis of indoor air, ambient air, and sub-slab soil-gas samples; and
- Data analysis and reporting.

The VI site investigation was completed in accordance with the NJDEP *VI Guidance* (2012) and the *VI Workplan* (Bureau Veritas-AECOM, 2012); any deviations from the *VI Guidance* or the *VI Workplan* were approved in a meeting with the NJDEP on 22 February 2012 and are listed in Section 3.5 below. Sections 3.1 through 3.6 summarize the methods used to complete the investigation.

3.1 Selection of Targeted Buildings

Analytical data from prior groundwater sampling events and previous VI investigations (U.S. Army BRAC, 2008 and 2011) guided the selection of buildings for this VI site investigation. To determine the target buildings, the most recent available eight quarters of groundwater analytical data (the second quarter 2009 through the first quarter 2011) were compared to the NJDEP VI Groundwater Screening Levels (GWSLs) referenced in the NJDEP *VI Guidance* (the screening levels can be found here: http://www.nj.gov/dep/srp/guidance/vaporintrusion/). The NJDEP *VI Guidance* recommends a VI investigation for buildings within 100 feet horizontally or vertically of shallow groundwater contamination in excess of the GWSL, with an exception for compounds associated with gasoline (e.g., benzene, toluene, ethylbenzene, and xylenes [BTEX]). For locations where BTEX contamination is in excess of the GWSL, a 30-foot horizontal or vertical critical distance is used.

Based on concentrations of chlorinated VOCs and BTEX compounds in groundwater at Fort Monmouth, the following six buildings were targeted for the VI site investigation: Buildings 283, 602, 699, 700, 1001, and 2700. Building 283 is located within 30 feet of a groundwater monitoring well that previously contained benzene at a concentration above its GWSL. Buildings 602, 699, 700, 1001 and 2700 are located within 100 feet of a well that contained one or more chlorinated VOC at a concentration(s) above its respective GWSL. The chlorinated VOCs detected at concentrations above their respective GWSLs were tetrachloroethene (PCE), trichloroethene (TCE), chloroethane, and vinyl chloride. Appendix A contains maps showing historical groundwater analytical data for each building.

This selection of buildings was completed prior to the 22 February 2012 kickoff meeting, and recommendations for the target buildings were presented and discussed at the meeting (see Section 3.2 below).

3.2 Kickoff Meeting

The Fort Monmouth VI site investigation kickoff meeting was held at the NJDEP on 22 February 2012, with the following attendees: Linda Range and Anne Charles, NJDEP; James T. Moore, USACE; Wanda Green, Ft Monmouth; Dave Parse and Elizabeth Larsen, AECOM; Geoff Clark, Chris Ostermann and Sanford Garret, Bureau Veritas; and Joe Pearson, Calibre-Ft Monmouth. The following items were discussed at the meeting: project background, review of previous discussions with the NJDEP concerning the site investigation at Ft Monmouth, the purpose of the VI site investigation, target buildings, proposed sample types, methods and locations, proposed analytical parameters, and follow-up actions.

During the meeting, it was noted that concerns have been raised regarding VOC concentrations in groundwater in the vicinity of Buildings 812, 1122, and 2706 as well as in areas where no buildings currently exist at Fort Monmouth. However, as discussed at the meeting, a VI investigation is not warranted at Buildings 812, 1122 and 2706 as they are located outside of the critical distance (i.e., 100’ or 30’, depending on contaminant) recommended by the *VI Guidance*. At locations where no buildings currently exist, with the concern being that vapors could accumulate under buildings constructed during redevelopment, engineering controls should be designed as part of any redevelopment effort to match up the future land use with the potential threat to current and planned buildings.

Additionally, questions were raised concerning building 675, which lies hydraulically downgradient from monitoring well M5MW16 (the trigger well for building 602). Building 675 was not selected for the VI site investigation, as it is located outside the 100-foot radius of well M5MW16, although it is located downgradient of that well. Another monitoring well (M5MW19), which had PCE and TCE detections exceeding their respective GWSL, is located on the opposite side of Building 675 as compared to well M5MW16. It was agreed at the meeting that the building would be assessed and the interior air monitored during the site inspection, and that recommendations would be made at that time with respect to sampling.

The TO-15 analyte list was also discussed at the kickoff meeting, and a decision was made to use the following shortened VOC list: PCE, 1,1,2,2-tetrachloroethane (PCA), 1,1,1-trichloroethane (1,1,1-TCA), 1,1,2-TCA, TCE, 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene (cis-1,2,-DCE), trans-1,2-DCE, chloroethane, chloromethane, methylene chloride and vinyl chloride. These chlorinated VOCs are a subset of all TO-15 compounds. With the exception of Building 283 samples, which would only be analyzed for benzene as that was the only detected chemical of concern for that building, the samples collected at all targeted buildings would be analyzed for the shortened list. This is presented further in Section 3.5 (Deviations from the Guidance, Regulations, and Workplan) below.

3.3 Site Inspection

The site inspection was conducted on 27 February 2012 by Elizabeth Larsen (AECOM), Geoff Clark (Bureau Veritas) and Rob Youhas (Fort Monmouth). As part of the site inspection, each of the targeted buildings and three additional buildings were inspected to:

- Gather information on building use; condition; construction; and heating, ventilation, and air conditioning (HVAC) system operation;
- Fill out the NJDEP “Indoor Air Building Survey and Sampling Form”; and
- Monitor indoor air quality.

The team inspected the interior and immediate surroundings of the six targeted buildings (283, 602, 699, 700, 1001, and 2700). Additionally, Building 675 and two adjacent buildings, Buildings 676 and 677, were inspected to determine potential for addition to the VI site investigation. The purpose of the building inspections was to gather critical information and determine sampling locations within each building. During the building inspections, potential sources of VOC vapors were noted and the indoor air quality was monitored with a photoionization detector (PID). The results of the building inspections are summarized in Section 4.1 below and on the forms included in Appendix B.

3.4 Sampling Activities

At each selected building, ambient air, indoor air, and sub-slab soil-gas samples were collected to assess whether the VI pathway was complete. The sampling was completed over two events between 5 and 30 March 2012. Samples were collected in 6-liter Summa canisters provided by the contracted analytical laboratory, TestAmerica, Burlington, Vermont. TestAmerica Burlington is National Environmental Laboratory Accreditation Program (NELAP) accredited and certified by the NJDEP for the Low-level TO-15 Method.

Indoor air and sub-slab soil-gas samples were collected from the portion of each building closest to the well where VOCs were detected at a concentration above their respective GWSL (i.e., the trigger well). Except for Buildings 283, 1001, and 2700, all indoor air and sub-slab soil-gas samples were collected within the 100-foot radius of the trigger well. The exceptions were for the following reasons:

- Building 283. Because benzene was the chemical of concern, a 30-foot critical distance was used.
- Building 1001. Only the extreme southwestern corner of Building 1001 was within the 100-foot radius of the trigger well; as a result, it was not possible to collect the samples inside the building and within the 100-foot radius (see Figure 9).
- Building 2700. Including duplicate samples, a total of seven sub-slab and indoor air samples were collected at Building 2700 (see Figure 10); none of the indoor air and only one of the sub-slab samples (SS-15) was collected from a location beyond the 100-foot radius of the trigger well.

The specific sample collection methods used for the VI site investigation are provided below. The results from the investigation are summarized in Section 4.2 and in Table 2, field forms are provided in Appendix B, and analytical data are provided in Appendix C.

3.4.1 Indoor and Ambient Air Sampling Methods

A total of seven ambient air samples (including two duplicate ambient air samples) were collected and analyzed during this VI site investigation, and a total of 11 indoor air samples (including two duplicate indoor air samples) were collected. Note: the original indoor air sample (IA-7) collected at Building 1001 was not analyzed, as the final pressure reading indicated a positive pressure (i.e., higher pressure in the Summa canister than in the surrounding indoor air); therefore, indoor air sample IA-7-R was collected as a replacement sample and analyzed.

All other indoor air and ambient air sampling was completed prior to initiating the soil-gas sampling at each building, except as noted above, consistent with the *VI Guidance*. All indoor air sampling locations were within 20 feet of a sub-slab soil-gas location, as required by the *VI Workplan*. Note, however, that there was one more sub-slab soil-gas sample than indoor air sample collected in each building. The additional sub-slab soil-gas sample was generally collected more than 20 feet from an indoor air sample, as the spacing of sub-slab soil-gas samples was selected to be spatially representative of the area within 30 feet (at Building 283) or 100 feet (at all other targeted buildings) of the trigger well.

Indoor air sampling locations were biased to locations where cracks or seams were observed in the concrete foundation and/or where utility lines penetrated the slab. A crack was observed in the floor of Building 699, and a floor drain was observed in Building 1001. Consequently, indoor air samples IA-4 and IA-7-R, collected at Buildings 699 and 1001, respectively, were collected from within a foot of the floor near the crack and the floor drain. All ambient air samples and all other indoor air samples were through 3/8-inch inner diameter, 1/2-inch outer diameter Teflon-lined tubing attached to the canister. The end of the tubing was set at an adult's breathing zone height (i.e., approximately three to five feet above floor level). All Summa canisters used for collecting indoor air samples were equipped with five-micron filters and flow controllers, which allowed the canister to fill over a 24-hour period.

The Indoor air sampling sequence was as follows at each location:

1. The Summa canister and flow controller identification numbers were recorded.
2. The canister valve was opened and quickly shut, and the vacuum reading on the gauge was then recorded. Note: the vacuum in all cases was at least 18 inches of mercury, so the sampling was able to proceed.
3. The canister was opened, and the start time was recorded.
4. The pressure gauge was checked periodically during the sampling period, and the vacuum and time of the interim check were recorded on the sampling form. As the samples were generally collected over a 24-hour period, Bureau Veritas and AECOM personnel were not in attendance throughout the sampling period.
5. The sampling period was deemed to be complete when one of the following conditions occurred: 1) the Summa canister read between 1 and 5 inches of mercury, or 2) approximately 24 hours had elapsed.
6. At the end of the sampling period, the Summa canister valve was closed and the flow controller apparatus was detached.
7. The end time for the sampling was recorded.

Ambient air samples were collected using the same methods used to collect the indoor air samples, except that they were collected exterior to the targeted building. Except for ambient air sample AA-1, which was collected at Building 283, all ambient air sampling locations were at least 20 feet from the targeted building's nearest door or window, as specified in the *VI Workplan*. Ambient air sample AA-1 was collected from a courtyard between wings of Building 283 that had closely-spaced windows and several doors. Further, the ambient air sampling location was selected as far away as possible from a location formerly designated for smoking and from storm sewer manholes. As a result, AA-1 was situated approximately 10 to 15 feet from the nearest window. It is not believed that the proximity of sampling location AA-1 to windows in Building 283 affected data usability.

A weather station was established outside each building targeted during the investigation. The weather station was capable of measuring the temperature, pressure, and humidity. These data were recorded at intervals throughout the day.

Indoor air samples and ambient air samples were collected with as much temporal overlap as possible and prior to initiating intrusive activities associated with soil-gas sampling, except as noted above with regard to sample IA-7-R. All indoor and ambient air samples were analyzed for the VOCs listed in Table 1 using Low Level TO-15 Method.

3.4.2 Sub-Slab Soil-Gas Sampling Methods

The following methods were used to collect the 15 sub-slab soil-gas samples and two duplicate sub-slab soil-gas samples collected during the investigation:

1. A small one-square-foot section of floor was swept clean after removal of carpet, if necessary.

2. A hole was drilled through the entire thickness of the concrete slab using a hammer drill equipped with a 5/8-inch-diameter drill bit. In Buildings 283, 602, 699, 700, and 1001, which were slab-on-grade construction, the borehole accessed soil-gas below the building. Building 2700 was found to have a crawl space below the auditorium where sampling was proposed. The crawl space was observed to have a soil floor without a vapor barrier where the crawl space could be accessed without entry. As a result, the sub-slab soil-gas sample was collected from the crawl space through the floor slab. Concentrations of vapors within the crawl space are considered to be representative of concentrations within soil-gas because there is no barrier to vapor flux from the soil into the crawl space.

3. At least six inches of 3/8-inch inner diameter, 1/2-inch outer diameter Teflon-lined tubing was inserted through the borehole. The annular space between the tubing and the borehole was sealed using Play-Doh, which is a non-toxic/VOC-free modeling compound. The compound was also mounded above the concrete slab.

4. The tubing was attached to a Teflon "T" fitting equipped with a three-way valve. The three-way valve may be shut, may allow flow through the left branch of the "T," or may allow flow through the right branch of the "T." The left branch of the "T" was attached to a helium meter temporarily. The right branch was attached to a six-liter Summa canister, which was equipped with a five-micron filter and a flow controller set to allow approximately 200 milliliters per minute (mL/min).

5. A helium tracer gas was used to confirm the annular seal of each soil-gas sampling. A plastic shroud was placed over the sampling apparatus described above. The three-way valve was shut so as not to allow air flow through the system, and the helium meter was detached from the tubing and connected to the space under the shroud. A helium canister was used to introduce helium into the shroud; the shroud was filled with helium until the helium meter detected at least 10% helium.

   The helium meter was reconnected to the left branch of the tubing, and the three-way valve was opened to allow flow to the meter. The helium meter was used to check the concentration of helium in air in the tubing. When the concentration of helium was less than 10% of the helium concentration under the shroud, the system was considered to be intact and without leaks. The helium canister was then shut, and the three-way valve again was shut.

   In some instances, particularly in Building 1001, the concentration of helium measured in the sampling apparatus exceeded 10% of the helium concentration under the shroud. In these cases, the Play-Doh seal was mounded higher, and the concentration of helium in the system was re-checked. When the concentration of helium in the sampling apparatus was below 10% of the helium concentration below the shroud, the sampling proceeded. Otherwise, the borehole was abandoned and a new borehole was drilled, the borehole was sealed, and the helium tracer test was run at the new location. The borehole was abandoned because helium had accumulated below the concrete slab and a successful tracer test was consequently not possible at the original location. At two locations (see Figure 6, for example), the new borehole had to be drilled at a distance from the original location in order to have a successful helium tracer test.

6. Upon completion of a successful helium tracer test, the helium meter was replaced with a multi-gas meter equipped with a PID (11.7 eV lamp), lower explosive limit (LEL) sensor, oxygen sensor, hydrogen sulfide sensor, and carbon monoxide sensor. In addition to measuring these parameters in sub-slab soil-gas, the multi-gas meter was used to purge the borehole of at least 3 volumes of soil-gas at a maximum flow rate of 200 mL/min. A one-minute purge was used at all locations, as the same borehole diameter, minimal tubing diameter, and relatively consistent tubing length resulted in minimal variation in the volume of the sampling apparatus.

7. At the end of the purge, the valve was shut and the multi-gas meter was disconnected.

8. The Summa canister identification number and flow controller identification numbers were recorded on the sampling form and Chain of Custody form (Appendix C).

9. The canister vacuum was recorded. Note: In all cases, the vacuum was at least 18 inches of mercury, so the sampling was able to proceed.

10. The Summa canister valve and three-way valve were opened to allow gas to flow in to the Summa canister, and the sampling start time was recorded.

11. The Summa canisters were monitored during collection to ensure that the canister was filling and that the vacuum was not at "0." An interim check was performed at all locations and the time and vacuum of the interim checks was recorded on the sampling form.

12. The sampling period was deemed to be complete when the Summa canister vacuum read between 1 and 5 inches of mercury or 30 minutes had elapsed.

13. At the end of the sampling period, the Summa canister valve was closed and the flow controller apparatus was detached.

14. The end time for the sampling was recorded.

15. The tubing and related sampling equipment was disassembled and removed from the borehole, and the borehole was sealed using hydraulic cement.

3.5 Deviations from Guidance, Regulations, and the Workplan

NJDEP guidance documents and regulations relevant to the VI site investigation include N.J.A.C. 7:26E and the *VI Guidance*. Additionally, the VI site investigation was conducted in accordance with the *VI Workplan*. There were no deviations from N.J.A.C. 7:26E; deviations from the *VI Guidance* and the *VI Workplan* are listed below.

Deviations from the *VI Guidance*

1. The *VI Guidance* requires initial samples to be analyzed for all TO-15 compounds. However, groundwater analytical results generated at Fort Monmouth show few VOCs in groundwater at concentrations above their respective GWSLs. Therefore, the Fort Monmouth Team recommended sampling for specific VOCs at each building, as described below. The NJDEP verbally approved this approach during the 22 February 2012 kickoff meeting, and the *VI Workplan* documents this deviation from the *VI Guidance*.

   Rather than analyzing samples collected at Building 283 for all TO-15 compounds, these samples were only analyzed for benzene. Benzene was the only targeted analyte because groundwater samples collected in the vicinity of Building 283 did not contain any other compound at a concentration above its GWSL.

   Likewise, groundwater samples collected at Buildings 602, 699, 700, 1001 and 2700 only contained chlorinated VOCs at concentrations above GWSLs. Samples collected at these five buildings were analyzed for the following chlorinated VOCs: PCE, PCA, 1,1,1-TCA, 1,1,2-TCA, TCE, 1,2-DCA, cis-1,2,-DCE, trans-1,2-DCE, chloroethane, chloromethane, methylene chloride, and vinyl chloride. PCE, TCE, chloroethane, and vinyl chloride were all detected at concentrations above their respective GWSL in groundwater samples collected within 100 feet of Buildings 602, 699, 700, 1001, and 2700. The remaining compounds are considered to be parent or daughter products of the compounds detected in groundwater samples.

2. The *VI Guidance* requires VI sampling throughout the entire building footprint. However, many of the buildings targeted during this investigation have footprints that are much larger than the extent of the groundwater impacts (see Figures 6 through 10). Therefore, the Fort Monmouth Team proposed investigating the portion of the building closest to the groundwater impacts. As soil vapors are anticipated to decrease with distance from the groundwater impacts, the sub-slab soil-gas concentrations and potential for VI were anticipated to be greatest in the portion of each building where samples were proposed and collected. This approach was verbally approved by the NJDEP during the 22 February 20120 kickoff meeting. The *VI Workplan* documents this deviation from the *VI Guidance*.

Deviations from the *VI Workplan*

1. The *VI Workplan* required a helium concentration of between 10% and 20% under the shroud. However, in a few locations, the concentration of helium exceeded 20% before the helium canister was shut. This deviation from the *VI Workplan* is not considered to have affected data usability, as the helium tracer test was still able to confirm the absence of leaks in the seal.

2. The *VI Workplan* required that indoor air samples be collected prior to sub-slab soil-gas samples. This requirement prevented the potential for cross-contamination of the indoor air sample by sub-slab soil gas migrating through a borehole drilled through the concrete slab. However, indoor air was re-sampled at Building 1001, and the second indoor air sample (IA-7-R) was collected after sub-slab soil-gas samples SS-11 and SS-12 were collected (note: the sub-slab soil gas sampling points were abandoned and sealed prior to the re-sampling event). Re-sampling was necessary because the Summa canister associated with the initial indoor air sample (IA-7) exhibited positive pressure rather than the required vacuum. This deviation from the *VI Workplan* did not affect data usability. No targeted compounds were detected in indoor air sample IA-7-R, indicating that there was no cross contamination of this sample.

3. The *VI Workplan* required that all ambient air samples be collected at least 20 feet from the targeted building's nearest door or window. This requirement limited the amount of indoor air that could escape the building and be detected in the ambient air sample. The ambient air samples collected at Buildings 602, 699/700 (the same ambient air sample was collected at these two adjacent buildings), 1001, and 2700 all met this requirement. However, ambient air sample AA-1, which was associated with Building 283, was collected from a courtyard between wings of Building 283 that had closely-spaced windows and several doors. Further, the location for AA-1 was selected as far away as possible from a location formerly designated for smoking and from storm sewer manholes. As a result, AA-1 was situated approximately 10-15 feet from the nearest window. This deviation from the *VI Workplan* did not affect data usability. No benzene was detected in any samples, indicating that vapors from inside the building did not impact AA-1.

3.6 Data Evaluation and Reporting

All analytical results were compared to screening levels set forth in the *VI Guidance* and consistent with CERCLA. Indoor air and ambient air results were compared to the Indoor Air Screening Levels (IASLs). Additionally, the indoor air results were assessed relative to the ambient air screening results, as vapors in ambient (outdoor) air may impact indoor air quality. Sub-

slab soil-gas results were compared to the Soil-gas Screening Levels (SGSLs). All data generated during the VI site investigation are summarized in Section 4.2 and in Table 2.

In accordance with the *VI Workplan*, the Fort Monmouth Team completed a data quality review of all data generated during the investigation. The data quality review was conducted to determine: 1) if any data should be rejected or qualified; 2) if qualification is necessary, whether the results are likely biased high (positive bias) or low (negative bias); and 3) if the data are usable or not for their intended purpose. The initial step in the data quality review was a review of the Laboratory Chronicle for quality assurance/quality control (QA/QC) issues acknowledged by the analytical laboratory. Issues identified by TestAmerica in the Laboratory Chronicle were evaluated to determine whether data should be rejected or qualified. In addition to the Laboratory Chronicle review, the Fort Monmouth Team assessed quality control (QC) data associated with the following: sample holding times; the instrument performance check; continuing calibration data, internal standard area and retention time; the method blank; laboratory control sample; recovery of spiked compounds; and the detection limits. The above-listed QC data were compared to pre-defined limits, which have been established by the U.S. Environmental Protection Agency (EPA) Region II and adopted by the NJDEP Office of Quality Assurance (OQA).

The above-listed QC data were assessed, and deviations from the pre-defined limits were noted. Decisions were made as to whether data associated with deviations from pre-defined limits should be rejected or qualified. The decision whether to reject or qualify data as estimated is based on the degree of deviation from the QC limits and whether the issue could be systemic or pertains to a concentration for a single compound.

Findings from the data quality review are summarized in Section 5.1 below.

4 Vapor Intrusion Site Investigation Results

Consistent with the site-wide conceptual model, a site investigation has been performed that involves the following elements: selection of buildings to be included in the investigation; building inspections; collection and analysis of ambient air, indoor air, and sub-slab soil-gas samples; and data analysis and reporting. Evaluation of the VI pathway at these buildings is based on a multiple-lines-of-evidence approach, as reliance on a single approach or dataset is not only considered inadequate, but may also lead to flawed decision making. For example, reliance solely on a comparison of groundwater analytical data to GWSLs would lead to the incorrect conclusion that the VI pathway is complete at the targeted buildings. Sections 4.1 and 4.2 summarize the results of the building inspections and investigation sampling, respectively.

4.1 Building Inspection Results

The interior and immediate surroundings of Buildings 283, 602, 699, 700, 1001, and 2700 were inspected by Bureau Veritas and AECOM personnel on 27 February 2012 during the site inspection. A summary of salient observations is provided below for each building. Additional details are recorded on the Building Evaluation Forms provided in Appendix B.

Building 283

Building 283 is located in the northern portion of the MP (see Figure 2). The portion of Building 283 that lies within 30 feet of the trigger well (i.e., the area subject to this investigation) is vacant, but was formerly used for office space. An electric switch panel and associated infrastructure has been incorporated into the building; sampling locations were adjusted to avoid this potential hazard. The building is slab-on grade construction. The area subject to the investigation was divided into several rooms, and the indoor air and sub-slab soil-gas samples were located to assess the VI pathway in different rooms (see Figure 6). Other than carpeting, which appeared to be new relative to the age of the building, no potential sources of volatile organic vapors were observed during the building inspection. No volatile organic vapors were measured using a PID equipped with an 11.7 electron volt (eV) lamp.

Building 602

Building 602 is located in the western portion of the MP (see Figure 2). The portion of Building 602 that lies within 100 feet of the trigger well is vacant, but was formerly used for materials testing. The building, which is slab-on-grade construction, has an elevated ceiling and aluminum walls that are not airtight where they meet the concrete slab. A bay door is situated along the building's eastern side. A two-story mezzanine and a two story room are situated within a large open area that can be accessed by interior doors or the bay door. The area subject to the VI site investigation is partially within the two-story room. One sub-slab soil-gas sample and the indoor air sample were collected inside this room; the other sub-slab soil-gas sample was collected outside the room (see Figure 7). Other than oil and grease in one area of the floor and glue formerly used to hold down linoleum, no sources of volatile organic vapors were observed during the building inspection. The oil/grease and glue were located near the mezzanine section, which is almost forty feet from the nearest VI site investigation sampling location. These materials were not removed prior to conducting the VI sampling. No volatile organic vapors were measured using a PID equipped with an 11.7 eV lamp.

Building 699

Building 699 is located in the central portion of the MP (see Figure 2). The western portion of Building 699 was formerly used as a convenience store, while the eastern portion of the building was used as a vehicle service station. Gasoline dispensers were located in front of the convenience store. The building is entirely vacant at this time. Three bay doors accessed one room at the service station, while a fourth bay door accessed a separate room. The portion of Building 699 that lies within 100 feet of the trigger well is almost entirely within the room accessed by one bay door. The building is slab-on-grade construction.

As all VI samples were collected in the room accessible by one bay door (see Figure 8), only this room is described below. A crack in the floor and a vertical water pipe penetration of the slab were noted in the northeastern portion of the room. No volatile organic vapors were measured at the crack or the utility pipe penetration using a PID equipped with an 11.7 eV lamp. No sources of volatile organic vapors were identified in the room.

Building 700

Building 700 is located in the central portion of the MP, adjacent to Building 699 (see Figure 2). This building is vacant, but was previously used for office space in connection with Army recruitment. Building 700 is the site of a former dry cleaning

facility, which is believed to be the source of the chlorinated VOCs detected in groundwater near Buildings 699 and 700. The portion of the building that lies within 100 feet of the trigger well includes several rooms. The area subject to the site investigation was divided into several rooms, and the indoor air and sub-slab soil-gas samples were located to assess the VI pathway in different rooms (see Figure 8). Other than carpeting, which appeared to be new relative to the age of the building, no potential sources of volatile organic vapors were observed during the building inspection. No volatile organic vapors were measured using a PID equipped with an 11.7 eV lamp.

Building 1001

Building 1001 is located in the southern portion of the MP (see Figure 2). This building is vacant, but was previously used as a dining hall. Only the extreme southwestern portion of the building lies within 100 feet of the trigger well. This area was used as an electric room, and no sub-slab soil-gas or indoor air samples were collected in this room for safety purposes. Therefore, all site investigation samples were collected in the southwestern portion of Building 1001, but slightly more than 100 feet from the trigger well. The building is slab-on-grade construction.

Because the hammer drill was unable to penetrate the full thickness of the slab at several locations, sub-slab soil-gas sample SS-12 was offset three times and ultimately installed farther from (but within 20 feet of, as specified in the *VI Workplan*) indoor air sampling location IA-7-R than originally intended. The location of IA-7-R was as close as possible to a floor drain, which was considered to be a potential preferential pathway for volatile organic vapors from beneath the slab. The second sub-slab soil-gas sample (SS-11) was collected in a separate room. No VI samples were collected from the utility room, freezer, or electric room (see Figure 9), as the potential to hit an underground utility line was considered too great. No sources of volatile organic vapors were identified during the building inspection, and no volatile organic vapors were measured using a PID equipped with an 11.7 eV lamp.

Building 2700

Building 2700 is the only one of the six targeted buildings to be located at CWA (see Figure 3). Building 2700 is vacant, but was previously used for various purposes, including the following: meetings and conferences, office space and laboratory space. Only the extreme eastern portion of one wing of the building lies within 100 feet of the trigger well. The portion of Building 2700 within 100 feet of the trigger well was used as an auditorium. The concrete floor of the auditorium is situated above a crawl space that contains numerous utility lines. The crawl space can be accessed from the rear of the auditorium and in the level beneath the auditorium. A hole in the floor of a closet adjacent to the stage allows air exchange with the crawl space. Exterior doors are situated to either side of the stage, as shown on Figure 10. The crawl space interior was observed without entry from an access door located beyond the rear of the auditorium. At this location, the crawl space was observed to have a soil floor. No sources of volatile organic vapors were encountered during the building inspection, and no volatile organic vapors were measured using a PID equipped with an 11.7 eV lamp.

Sub-slab samples were situated as far as possible from the hole in the floor and from access portals, as these areas could potentially represent areas of lower vapor concentrations than other portions of the crawl space. Likewise, the indoor air samples were collected away from the exterior doors, which were kept shut to the extent possible during indoor air sample collection.

Buildings 675, 676 and 677

Buildings 675, 676 and 677 are located in the western portion of the MP, just northwest of Building 602 (see Figure 2). Although none of the three buildings lie within the 100-foot radius trigger for performance of a VI investigation, it was decided during the kickoff meeting that additional information was necessary due to their proximity to the trigger well for Building 602. As a result, the buildings were visited during the site inspection. Building 675 is a small, above-grade building with air space beneath the floor (similar to a trailer), Building 676 is a two-story building with slab-on-grade construction, and Building 677 is a one-story building with slab-on-grade construction and office space. Buildings 675 and 676 could not be accessed during the site inspection. No VI samples were collected inside the buildings.

4.2 Sampling Results

A total of 34 samples were collected between 5 and 30 March 2012 as part of the VI site investigation, including 14 sub-slab soil-gas samples, 9 indoor air samples, 5 ambient air samples, and 6 duplicate samples. As noted above, the samples were collected from the interior and exterior to Buildings 283, 602, 699, 700, 1001 and 2700. All samples were analyzed by TestAmerica, a laboratory with NELAP accreditation and certified by the NJDEP for the Low-level TO-15 Method. As verbally approved by the NJDEP during the 22 February 2012 kickoff meeting:

- Samples collected at Building 283 were analyzed for benzene (by the Low-level TO-15 Method). This parameter was selected because it was the only VOC detected at a concentration above its GWSL in the trigger well.

- Samples collected at Buildings 602, 699, 700, 1001 and 2700 were analyzed for 12 chlorinated VOCs (by the Low-level TO-15 Method), which were the compounds considered most likely to be parent or daughter products in groundwater at Fort Monmouth.

Analytical parameters are provided in Table 1, sampling results are provided in Table 2 and Appendix C, and a building-by-building discussion of the sampling results is provided below.

Building 283

Three sub-slab soil-gas samples (SS-1 through SS-3), two indoor air samples (IA-1 and IA-2), and one ambient air sample (AA-1) were collected at Building 283. As shown in Figure 6 and Table 2, no benzene was detected in any of the six VI samples. The reporting limits for the indoor/ambient air and sub-slab soil-gas samples were below the residential and non-residential IASLs and SGSLs for benzene.

Building 602

Two sub-slab soil-gas samples (SS-4 and SS-5), one indoor air sample (IA-3), and one ambient air sample (AA-2) were collected at Building 602. As shown in Figure 7 and Table 2, the only analyte detected in a sub-slab soil-gas sample was PCE, which was detected at a concentration of 38 micrograms per cubic meter ($\mu g/m^3$) at location SS-5; this concentration exceeds the residential and non-residential SGSLs for PCE, which are 34 and 36 $\mu g/m^3$, respectively. The reporting limits for all non-detect sub-slab soil-gas results were below the residential and non-residential SGSLs.

The only analyte detected in an indoor air and/or ambient air sample at Building 602 was chloromethane, which was detected at a concentration of 1 $\mu g/m^3$ in both IA-3 and AA-2; this concentration is below the residential and non-residential IASLs for chloromethane, which are 95 and 130 $\mu g/m^3$, respectively. The reporting limits for all non-detect indoor/ambient air results were below the residential and non-residential IASLs.

Building 699

Two sub-slab soil-gas samples (SS-6 and SS-7), 1 indoor air sample (IA-4), 1 ambient air sample (AA-3) and 2 duplicate ambient air samples were collected at Building 699. Note: sample AA-3 was the ambient air sample for both Buildings 699 and 700. As shown in Figure 8 and Table 2, the only analytes detected in a sub-slab soil-gas sample were PCE and TCE. PCE was detected at concentrations of 210 and 360 $\mu g/m^3$ at locations SS-6 and SS-7, respectively; both concentrations exceed the residential and non-residential SGSLs for PCE, which are 34 and 36 $\mu g/m^3$, respectively. TCE was detected at a concentration of 94 $\mu g/m^3$ at location SS-6; this concentration exceeds the residential and non-residential SGSLs for TCE, which are 27 and 27 $\mu g/m^3$, respectively. The reporting limits for all non-detect sub-slab soil-gas results were below the residential and non-residential SGSLs.

The only analyte detected in an indoor air, ambient air and/or duplicate ambient air sample at Building 699 was chloromethane, which was detected at a concentration of 1 $\mu g/m^3$ in IA-4, AA-3, and the duplicate samples collected at AA-3; this concentration is below the residential and non-residential IASLs for chloromethane, which are 95 and 130 $\mu g/m^3$, respectively. The reporting limits for all non-detect indoor/ambient/duplicate air results were below the residential and non-residential IASLs.

Building 700

Three sub-slab soil-gas samples (SS-8 through SS-10), 1 duplicate sub-slab soil-gas sample, 2 indoor air samples (IA-5 and IA-6), 1 duplicate indoor air sample, 1 ambient air sample (AA-3) and 2 duplicate ambient air samples were collected at Building 700. Note: sample AA-3 was the ambient air sample for both Buildings 699 and 700. The duplicate sub-slab soil-gas sample was collected at location SS-8, and the duplicate indoor air sample was collected at IA-5.

As shown in Figure 8 and Table 2, the only analyte detected in sub-slab soil-gas samples was PCE, which was detected at a concentration of 24 $\mu g/m^3$ at SS-9; this concentration is below the residential and non-residential SGSLs for PCE, which are 34 and 36 $\mu g/m^3$, respectively. The reporting limits for all non-detect sub-slab soil-gas results were below the residential and non-residential SGSLs.

The only analyte detected in an indoor air, duplicate indoor air, ambient air or duplicate ambient air sample at Building 700 was chloromethane, which was detected at a concentration of 1 $\mu g/m^3$ at IA-5, AA-3 and the duplicate samples collected at AA-3; this concentration is below the residential and non-residential IASLs for chloromethane, which are 95 and 130 $\mu g/m^3$, respectively. The reporting limits for all non-detect indoor/ambient/duplicate air results were below the residential and non-residential IASLs.

Building 1001

Two sub-slab soil-gas samples (SS-11 and SS-12), 1 indoor air sample (IA-7-R) and 1 ambient air sample (AA-4) were collected at Building 1001. As shown in Figure 9 and Table 2, no analytes were detected in the sub-slab soil-gas samples. The reporting limits for all non-detect sub-slab soil-gas results were below the residential and non-residential SGSLs.

The only analyte detected in the indoor and ambient air samples at Building 1001 was chloromethane, which was detected at a concentration of 1 µg/m^3 in both IA-7-R and AA-4; this concentration is below the residential and non-residential IASLs for chloromethane, which are 95 and 130 µg/m^3, respectively. The reporting limits for all non-detect indoor/ambient air results were below the residential and non-residential IASLs.

Building 2700

Two sub-slab soil-gas samples (SS-13 and SS-15), one duplicate sub-slab soil-gas sample, two indoor air samples (IA-8 and IA-9), one duplicate indoor air sample, and one ambient air sample (AA-5) were collected at Building 2700. The duplicate sub-slab soil-gas sample was collected at SS-13, and the duplicate indoor air sample was collected at IA-8.

As noted above, the auditorium where these samples were collected was situated above a crawl space. The sub-slab soil-gas samples were therefore collected by drilling through the concrete floor of the auditorium and collecting a sample from the crawl space. As shown in Figure 10 and Table 2, no analytes were detected in the sub-slab soil-gas samples or in the duplicate sub-slab soil-gas sample. The reporting limits for all non-detect sub-slab soil-gas results were below the residential and non-residential SGSLs.

The only analyte detected in an indoor air, duplicate indoor air or ambient air sample at Building 2700 was chloromethane, which was detected at a concentration of 1 µg/m^3 in both IA-9 and AA-5; this concentration is below the residential and non-residential IASLs for chloromethane, which are 95 and 130 µg/m^3, respectively. The reporting limits for all non-detect indoor/ambient air results were below the residential and non-residential IASLs.

5 Discussion of Vapor Intrusion Site Investigation Results

This section presents a discussion of the VI site investigation sampling results. Section 5.1 summarizes the findings of the data quality review, and Section 5.2 presents a building-by-building discussion of the sampling results and evaluation of the VI pathway based on a the multiple-lines-of-evidence approach..

5.1 Summary of the Data Quality Review

All samples collected during this site investigation were submitted to TestAmerica for analysis for benzene (samples collected at Building 283 only) or the site-specific list of chlorinated VOCs (samples collected at Buildings 602, 699, 700, 1001 and 2700). TestAmerica is a laboratory with NELAP accreditation and certification by the NJDEP for the Low-level TO-15 Method.

The data quality review included QC data listed in Section 3.6. The following list includes all QC issues identified during this data quality review. Based on the listed issues, no data generated during the investigation were rejected, and few data were qualified. The data are usable for their intended purpose, which is to assess the VI pathway at Fort Monmouth.

Issues Identified during the Data Quality Assessment

1. Laboratory Data Package 200-10127-1, Recovery of Spiked Compounds: The percent recovery for ethanol in a matrix spike sample was 0%. This result was outside the QC limits of 70 to 130% recovery. Typically, this result would result in laboratory-reported ethanol data being rejected or qualified. However, ethanol was not a targeted analyte for the VI site investigation; therefore, no action was taken.
2. Laboratory Data Package 200-10127-1, Laboratory Control Sample: The percent recovery for methanol in laboratory control sample 200-36628/5 was 187%. This exceeds the QC limits of 60 to 140% recovery. As such, a positive bias in the methylene chloride data is anticipated. Laboratory control sample 200-36628/5 was associated with samples AA-2, IA-3, SS-4, and SS-5, all of which were collected at building 602. Methylene chloride was not detected in these samples, so the potential positive bias did not impact data quality. The methylene chloride results for the above-listed samples are considered to be non-detect, qualified as estimated.

5.2 Discussion of the Sampling Results and the Vapor Intrusion Pathway

Vapor intrusion is typically conceptualized with chemicals volatilizing from impacted soil and/or groundwater beneath a building and diffusing toward areas of lower chemical concentration (see Figure 5). The migration of vapors into a building is controlled by factors such as pressure changes related to a building's HVAC system, barometric pressure changes and wind load, and the rate of movement of the vapors into a building is controlled by factors such as soil type, chemical properties, building design and condition and pressure differentials. Upon entry into a building, vapors mix with the existing air through the natural or mechanical ventilation of the building. Assessment of the VI pathway typically includes a discussion of the physical setting, potential sources and transport pathways, and involves a multiple-lines-of-evidence approach. For the purposes of this VI site investigation, the physical setting, potential sources, and transport pathways can be summarized as follows:

- Physical Setting: The geology at Fort Monmouth consists of sandy loam, sandy clay loam or loam that may grade to loamy sand to a depth of approximately 5 feet bgs, which is in turn underlain by a thick sequence of Coastal Plain sediments comprised of layers of silt, sand and clay deposited in deltaic and marine environments. The groundwater table is relatively shallow at the installation (2.37 to 30.19 feet bgs), and it fluctuates with the tidal action in Parkers and Oceanport Creeks at the MP. The study area is characterized by very low-level (or non detect) benzene concentrations in shallow groundwater near Building 283, and by low-level chlorinated VOC concentrations in shallow groundwater near Buildings 602, 699, 700, 1001 and 2700.

  The presence or absence of the fine-grained silts and clays likely plays a role in contaminant distribution and migration at the site. Where present, the low-permeability materials will impede vertical migration of contamination (e.g., VOCs volatilizing off a groundwater plume and diffusing upward through the soil column); where absent, vertical migration is more likely. However, the shallow depth to groundwater and tidal action, combined with sandy soils, increase the likelihood that VOCs volatilizing off a groundwater plume could reach building slabs.

- Potential Sources: For the purposes of this site investigation, it is assumed that the sole potential source of VI at Fort Monmouth is shallow groundwater contamination, which could allow VOCs to volatilize and diffuse upward through the soil column to beneath a building slab.
- Transport Pathways: The four main transport pathways include:
    1. Diffusion of vapors from sources in the unsaturated zone, which is considered unlikely at the six targeted buildings as there are no known sources under or immediately adjacent to any of the buildings;
    2. Diffusion of vapors from shallow groundwater, which is considered the primary potential transport pathway;
    3. Advective/convective transport of vapors (i.e., the horizontal and vertical movement of vapors located near a building foundation from areas of higher pressure to areas of lower pressure), which could occur if vapors diffusing off groundwater reach building slabs; and
    4. Vapor migration through preferential pathways (preferential pathways include natural [e.g., vertically fractured soil] and man-made [e.g., buried utilities] pathways in the subsurface with high gas permeability through which vapors can rapidly migrate), which was not specifically targeted during the VI site investigation.

A building-by-building discussion of the sampling results and evaluation of the VI pathway is provided below. The primary lines of evidence that were considered in the assessment of the VI pathway at each building include: 1) VOC concentrations in shallow groundwater, as reported in previous groundwater monitoring reports; 2) indoor air, sub-slab-soil-gas, and ambient/outdoor air concentrations, as measured in samples collected during the VI site investigation; and 3) potential sources, including information gathered during building inspections on potential indoor air and outdoor air sources.

Note: The majority of indoor and ambient air samples (13 of 16 samples) collected and analyzed for chlorinated VOCs contained chloromethane at a concentration of 1 µg/m^3. Chloromethane was detected at this consistently low concentration in air samples collected at different times and at different locations; no chloromethane was detected in any of the sub-slab soil-gas samples. Therefore, the data suggest that chloromethane is a background presence in air and unrelated to activities at Fort Monmouth. Also supporting this conclusion:

1. An Agency for Toxic Substances and Disease Registry (ATSDR) document dated December 1998 and entitled "*Public Health Statement Chloromethane CAS # 74-87-3*" indicates that similarly low concentrations of chloromethane are naturally occurring; natural sources include oceans, rotting wood, forest fires and volcanoes.
2. Chloromethane has been detected in air samples collected throughout New Jersey.

Building 283

All samples collected at Building 283 were only analyzed for benzene, as that was the only detected chemical of concern in groundwater at well 283MW-2, the trigger well for this investigation. However, groundwater samples collected from well 283MW-2 have not contained benzene at concentrations above its GWSL since 19 May 2009 (benzene was detected at 1.29 micrograms per liter [µg/L] in February 2011; the GWSL is 15 µg/L), minimizing the concern for VI in the building. During the current site investigation, no benzene was detected in any sub-slab soil-gas, indoor air or ambient air samples collected at Building 283, and nothing of concern was noted during the building inspection. Therefore, there is no current source for benzene at/near Building 283, there is no accumulation of benzene vapors beneath Building 283, and there are no detectable concentrations of benzene within Building 283. As a result, the VI pathway for benzene at Building 283 is considered incomplete.

Building 602

All samples collected at Building 602 were analyzed for the 12 chlorinated VOCs based on detections of PCE, TCE and vinyl chloride in groundwater at well M5MW-16 (see Appendix A), the trigger well for this investigation. However, during the most recent groundwater sampling event (February 2011), only vinyl chloride was detected above its GWSL (detected at 1.65 µg/L versus a GWSL of 1 µg/L), minimizing the concern for VI in the building. During the current site investigation, only PCE and chloromethane were detected in any sub-slab soil-gas, indoor air, or ambient air samples collected at Building 602. PCE was only detected in one sub-slab soil-gas sample (SS-5 at 38 µg/m^3) at a concentration exceeding the residential and non-residential SGSLs of 34 and 36 µg/m^3, respectively. PCE was not detected in sub-slab soil-gas sample SS-4 or the indoor and ambient air samples. As discussed above, chloromethane is considered to be unrelated to activities at Fort Monmouth. Also, nothing of concern was noted during the building inspection.

Based on historical groundwater analytical data and VI data collected during this site investigation, it appears that groundwater is acting as a source for the PCE contamination detected in sub-slab soil gas at Building 602. However, PCE was only detected in one of two sub-slab soil-gas samples at a concentration above residential and non-residential SGSLs, and it was not detected in indoor air. As a result, the VI pathway for PCE and the other targeted chlorinated VOCs at Building 602 is considered incomplete.

Building 699

All samples collected at Building 699 were analyzed for the 12 chlorinated VOCs based on detections of PCE at wells 699MW-09 and 699MW-16 (see Appendix A), the trigger wells for this investigation. However, during the most recent groundwater sampling event (March 2011), PCE was not detected above its GWSL (1 µg/L), so any groundwater source has attenuated thus minimizing the concern for VI in the building. During the current site investigation, both sub-slab soil-gas samples (SS-6 and SS-7) collected at Building 699 contained PCE at concentrations (210 and 360 µg/m^3) above the residential and non-residential SGSLs, and sub-slab soil-gas sample SS-6 contained TCE at a concentration (94 µg/m^3) above the residential and non-residential SGSLs. No other chlorinated VOCs were detected in either sub-slab soil-gas sample collected at Building 699, and no chlorinated VOCs (including PCE) were detected in the indoor or ambient air samples (other than chloromethane). Also, nothing of concern was noted during the building inspection.

Based on historical groundwater analytical data and VI data collected during this site investigation, it appears that groundwater is acting as a source for the PCE (and likely TCE) contamination detected in sub-slab soil gas at Building 699. However, neither PCE nor TCE was detected in indoor air. As a result, the VI pathway for PCE, TCE, and the other targeted chlorinated VOCs at Building 699 is considered incomplete.

Building 700

As was the case at Building 699, all samples collected at Building 700 were analyzed for the 12 chlorinated VOCs based on detections of PCE at wells 699MW-09 and 699MW-16 (see Appendix A), the trigger wells for this investigation. However, during the most recent groundwater sampling event (March 2011), PCE was not detected above its GWSL (1 µg/L), minimizing the concern for VI in the building. During the current site investigation, only PCE and chloromethane were detected in any sub-slab soil-gas, indoor air, or ambient air samples collected at Building 700. PCE was only detected in one sub-slab soil-gas sample (SS-9 at 24 µg/m^3) at a concentration below the residential and non-residential SGSLs of 34 and 36 µg/m^3, respectively. No other chlorinated VOCs were detected in the other sub-slab soil-gas sample collected at Building 700, and no chlorinated VOCs (including PCE) were detected in the indoor or ambient air samples (other than chloromethane). Also, nothing of concern was noted during the building inspection.

Based on historical groundwater analytical data and VI data collected during this site investigation, it appears that groundwater is acting as a source for the PCE contamination detected in sub-slab soil gas at Building 700. However, PCE was only detected in one of four sub-slab soil-gas samples (including one duplicate) at a concentration below residential and non-residential SGSLs, and it was not detected in indoor air. As a result, the VI pathway for PCE and the other targeted chlorinated VOCs at Building 700 is considered incomplete.

Building 1001

All samples collected at Building 1001 were analyzed for the 12 chlorinated VOCs based on detections of vinyl chloride and chloroethane in groundwater at wells 812MW-04 and 812MW-05 (see Appendix A), the trigger wells for this investigation. However, during the most recent groundwater sampling event (February 2011), vinyl chloride and chloroethane were not detected above their respective GWSLs (1 µg/L for vinyl chloride, 4 µg/L for chloroethane), minimizing the concern for VI in the building. During the current site investigation, only chloromethane was detected (in the indoor air and ambient air samples); no other chlorinated VOCs were detected in the samples collected at Building 1001. As discussed above, chloromethane is considered to be unrelated to activities at Fort Monmouth. Also, nothing of concern was noted during the building inspection. Therefore, there is no current source for chlorinated VOCs at/near Building 1001, there is no accumulation of chlorinated VOC vapors beneath Building 1001, and there are no detectable concentrations of chlorinated VOCs within Building 1001. As a result, the VI pathway for chlorinated VOCs at Building 1001 is considered incomplete.

Building 2700

All samples collected at Building 2700 were analyzed for the 12 chlorinated VOCs based on detections of TCE in groundwater at wells CW1MW-28, CW1MW-29 and CW1MW-281 (see Appendix A), the trigger wells for this investigation. During the most recent groundwater sampling event (February 2011), TCE was detected above its respective GWSL (1 µg/L), suggesting it could be a potential source for VI in the building. During the current site investigation, only chloromethane was detected (in the indoor air and ambient air samples); no TCE or other chlorinated VOCs were detected in the samples collected at Building 2700. As discussed above, chloromethane is considered to be unrelated to activities at Fort Monmouth. Also, nothing of concern was noted during the building inspection.

Based on historical groundwater analytical data, it appears that groundwater could be a potential TCE source for VI in the building. However, based on the VI data collected during this site investigation, there is no accumulation of chlorinated VOC vapors beneath Building 2700 and there are no detectable concentrations of chlorinated VOCs within Building 2700. As a result, the VI pathway for chlorinated VOCs at Building 2700 is considered incomplete.

Buildings 675, 676 and 677

Because Buildings 675, 676 and 677 do not lie within the 100-foot radius trigger for performance of a VI investigation, no VI samples were collected. Instead, the VI pathway at Buildings 675, 676 and 675 was assessed through data generated at Building 602, which is located adjacent to the three buildings and within the 100-foot trigger radius. Because the VI pathway at Building 602 is considered incomplete, the pathway at Buildings 675, 676 and 675 is also considered incomplete. Additionally, the above-grade construction of Building 675, which lines downgradient of the trigger well, eliminates potential risk related to the VI pathway.

6 Conclusions and Recommendations

Based on the results of this VI site investigation, the Fort Monmouth Team has reached the following conclusions:

- Based on groundwater sampling analytical data generated at Fort Monmouth through the first quarter 2011 and as approved at the 22 February 2012 kickoff meeting at the NJDEP, the VI site investigation was only warranted at Buildings 283, 602, 699, 700, 1001 and 2700.
- At Building 283, there is no current source for benzene, there is no accumulation of benzene vapors beneath the building, and there are no detectable concentrations of benzene within the building. As a result, the VI pathway for benzene at Building 283 is considered incomplete and no further action is recommended.
- Based on historical groundwater analytical data and VI data collected at Building 602 during this site investigation, it appears that groundwater was acting, but no longer acts, as a source for the PCE contamination detected in sub-slab soil gas at the building. However, because PCE was only detected in one of two sub-slab soil-gas samples and was not detected in the indoor air sample, the VI pathway for PCE and the other targeted chlorinated VOCs at Building 602 is considered incomplete and no further action is recommended. Based on this conclusion, the VI pathway at Buildings 675, 676 and 677 (located adjacent to Building 602) is also considered incomplete and no further action is recommended.
- Based on historical groundwater analytical data and VI data collected at Building 699 during this site investigation, it appears that groundwater is acting as a source for the PCE (and likely TCE) contamination detected in sub-slab soil gas at the building. Because neither PCE nor TCE was detected in the indoor air sample, the VI pathway for PCE, TCE, and the other targeted chlorinated VOCs at Building 699 is considered incomplete at this time. However, VI at this location should be considered when the remedy for Building 700 is being evaluated; additional sampling is recommended after the completion of the Building 700 remedy, if necessary.
- Based on historical groundwater analytical data and VI data collected at Building 700 during this site investigation, it appears that groundwater is acting as a source for the PCE contamination detected in sub-slab soil gas at the building. PCE was only detected in one of four sub-slab soil-gas samples and was not detected in the indoor air samples, and hence, the VI pathway for PCE and the other targeted chlorinated VOCs at Building 700 is considered incomplete at this time. The area around Building 700 will be subject to an RI/FS for the PCE spill. During the FS portion, the potential for VI should be considered and if necessary, after the Building 700 remedy is implemented, additional VI sampling is recommended.
- At Building 1001, there is no current source for chlorinated VOCs, there is no accumulation of chlorinated VOC vapors beneath the building, and there are no detectable concentrations of chlorinated VOCs within the building. As a result, the VI pathway for chlorinated VOCs at Building 1001 is considered incomplete and no further action is recommended.
- Based on historical groundwater analytical data at Building 2700, it appears that groundwater could be a potential TCE source for VI in the building. However, based on the VI data collected during this site investigation, there is no accumulation of chlorinated VOC vapors beneath the building and there are no detectable concentrations of chlorinated VOCs within the building. As a result, the VI pathway for chlorinated VOCs at Building 2700 is considered incomplete and no further action is recommended.
- At locations where no buildings currently exist, with the concern being that vapors could accumulate under buildings constructed during redevelopment, the Fort Monmouth Team recommends that engineering controls be designed as part of any redevelopment effort to match up the future land use with the potential threat to current and planned buildings by the new owner.

This page intentionally left blank.

7 References

Bureau Veritas / AECOM, 2012. *Vapor Intrusion Workplan*. March.

New Jersey Administrate Code (N.J.A.C.) 7:26E, Section 4.2.

New Jersey Department of Environmental Protection (NJDEP), Division of Science, Research and Technology, Geological Survey, 1999. *Geologic Map of New Jersey*.

NJDEP, 2012. *Vapor Intrusion Technical Guidance*. January.

Stanford, 2000. *Surficial Geology of the Long Branch Quadrangle, Monmouth County.*

Stanford and Sugarman, in conjunction with United States .Geological Survey (USGS), 2010. *Bedrock Geology of the Long Branch Quadrangle, Monmouth County, New Jersey.*

United States Base Realignment and Closure (BRAC), 2008. *U.S. Army BRAC 2005 Site Investigation Report - Final, Fort Monmouth.* July.

BRAC, 2011. *U.S. Army BRAC 2005 Site Investigation Report Addendum 1 - Final, Fort Monmouth*. August.

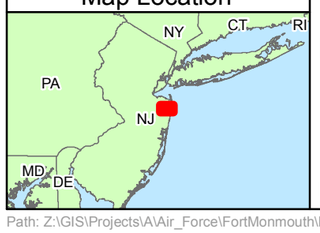
United States Department of Agriculture, Soil Conservation Service, 1989. *Soil Survey of Monmouth County New Jersey*.

This page intentionally left blank.

Figures

This page intentionally left blank.

Map Location



Legend

- Base Boundary
- Stream (USGS)
- Lake (USGS)

Image Source: Bing Aerial Imagery

Site Description:
Fort Monmouth
Main Post & Charles Wood Area
Monmouth County, NJ
Longitude – 74° 2' 33.39" W
Latitude – 40° 18' 49.33" N
Latitude and Longitude
represents center point of Main Post

N W E S

Fort Monmouth

Site Location Map

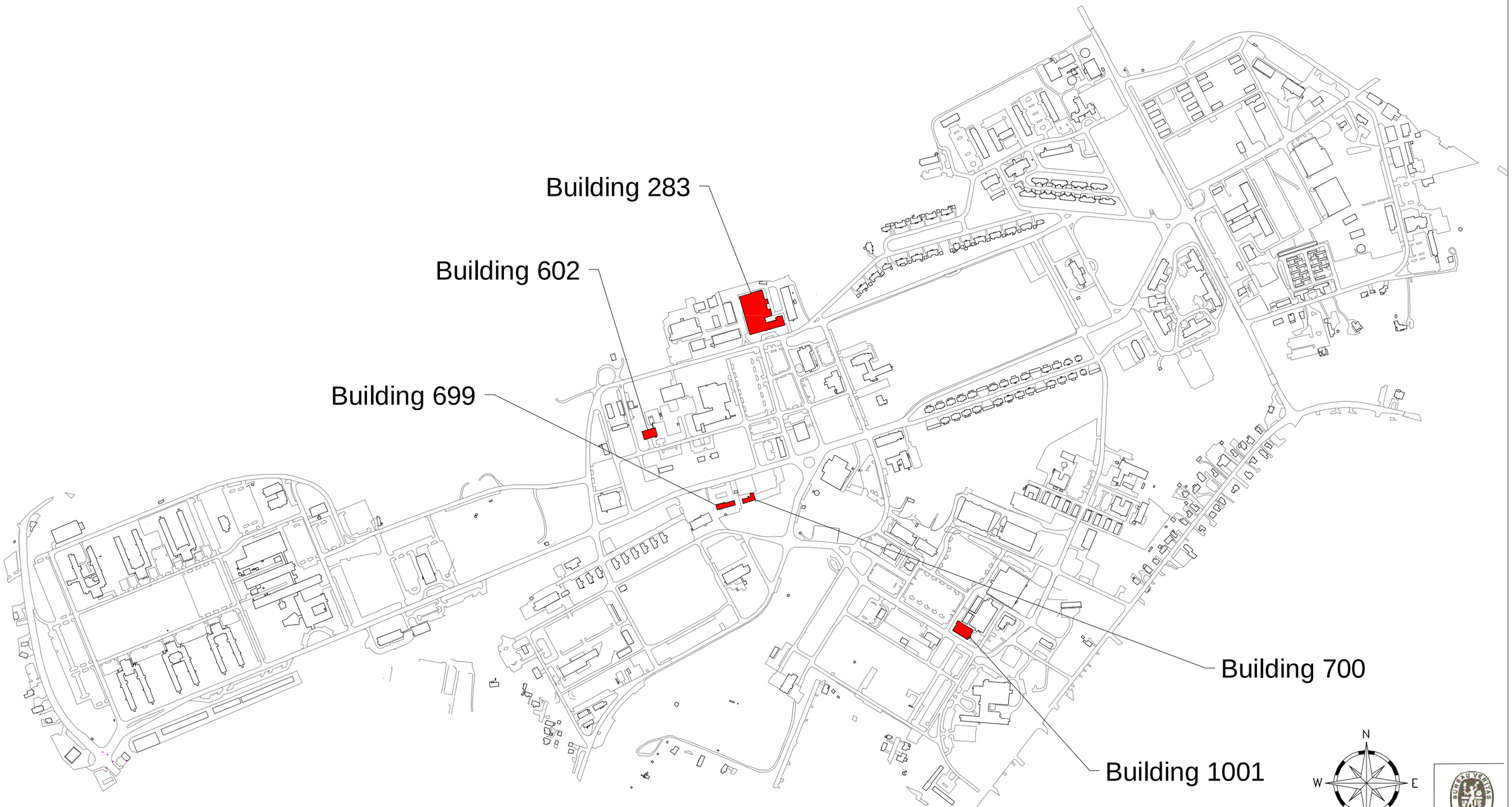
Scale: 1:43,200

0 1,800 3,600 7,200 Feet

AECOM

	Figure 1
June 5, 2012	Project #: 60247178.1.3

Path: Z:\GIS\Projects\A\Air_Force\FortMonmouth\MXD\Fig_1_SiteLocation.mxd



SCALE: 1" = 700'

0' 700' 1400' 2800'

DRAWN BY: L. Deskins	DATE: 5-7-12	LOCATION	TITLE
CHECKED BY: I. Goldsberry	DATE: 5-7-12	Main Post	Main Post Fort Monmouth, New Jersey
APPROVED BY: D. Parse	DATE: 5-7-12		FIGURE 2
BUREAU VERITAS PROJECT NO. 12012-000065.00			

N

W E

S

SCALE: 1" = 700'

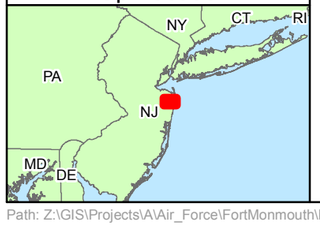
0' 700' 1400' 2800'

DRAWN BY: L. Deskins	DATE: 5-7-12	LOCATION: Charles Wood Area	TITLE: Charles Wood Area, Fort Monmouth, New Jersey
CHECKED BY: I. Goldsberry	DATE: 5-7-12		
APPROVED BY: D. Parse	DATE: 5-7-12		
BUREAU VERITAS PROJECT NO. 12012-000065.00			FIGURE: 3

Main Post

Charles Wood Area

Map Location



Legend

- Base Boundary
- Open Water
- Perennial Ice/Snow
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land (Rock/Sand/Clay)
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Grassland/Herbaceous
- Pasture/Hay
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands

N W E S

Fort Monmouth

Land Use Map

Scale: 1:43,200

0 1,800 3,600 7,200 Feet

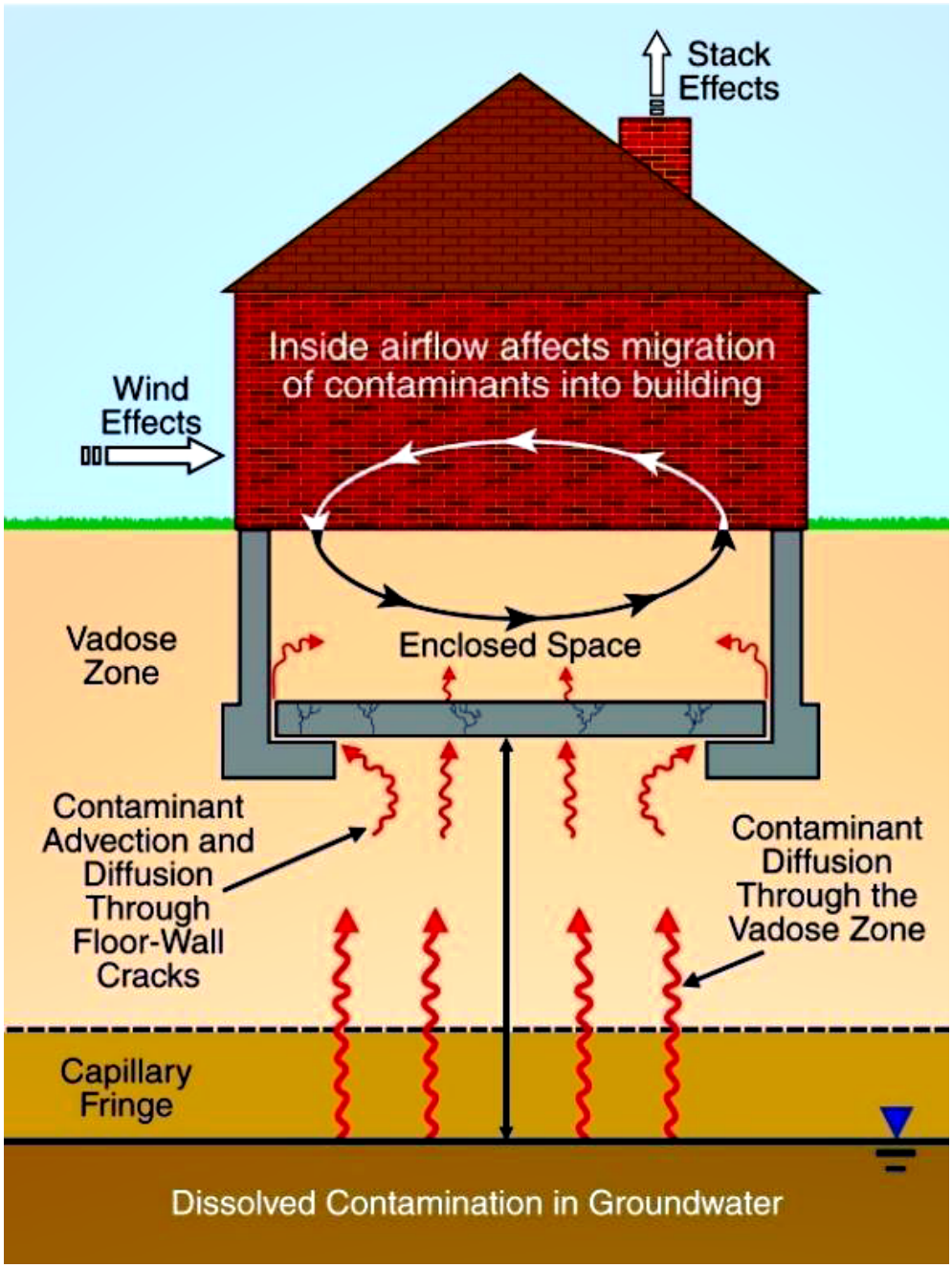
AECOM

Figure 4

June 5, 2012

Project #: 60247178.1.3

Path: Z:\GIS\Projects\A\Air_Force\FortMonmouth\MXD\Fig_4_Landuse.mxd



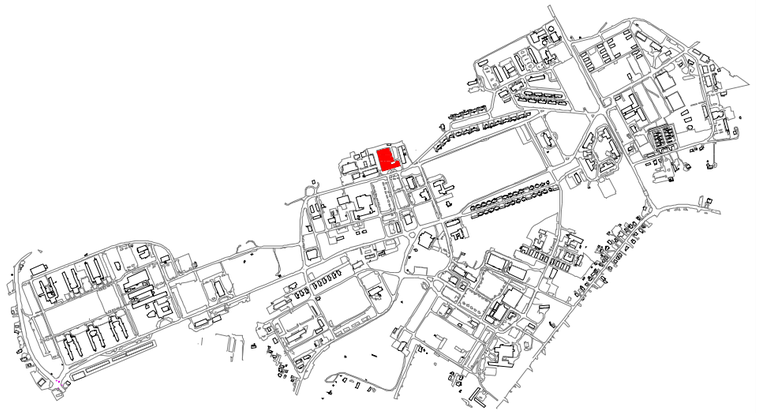
From: USEPA, 2002. OSWER Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils.

AECOM
675 N. Washington Street, Suite 300, Alexandria, Virginia 22314
Phone: 703-549-8728 Fax: 703-549-9134 www.aecom.com

Figure 5
General VI Site-wide Conceptual Model

Project #:	Task #:
Designed By:	Drawn By:
Checked By:	Date:
	Sheet:

Figure_5.pdf



Key Map
(Not To Scale)

No detections at this location.

30-Foot Radius from Well 283MW02

IA-2
SS-3
SS-2
IA-1
SS-1
283MW02
AA-1

U.G.

INLTSO

Legend

- SS-1 — Vapor Sub-slab Soil Gas Sampling Location
- IA-1 — Indoor Air Sampling Location
- AA-1 — Ambient Air Sampling Location
- Single Door
- Double Doors
- Storm Sewer with Manholes
- Inactive Utility Line
- Underground Electric
- 283MW02 — Benzene Concentration above GWSL

Notes

1) Sampling locations and features inside Building 283 are based on field measurements and a drawing prepared by London, Kantor, Umland and Associates entitled Heating Systems Replacement Building 283, and dated August 14, 1978.

2) Locations of wells, buildings, roads, and all other features exterior to Building 283 were provided by Fort Monmouth personnel.

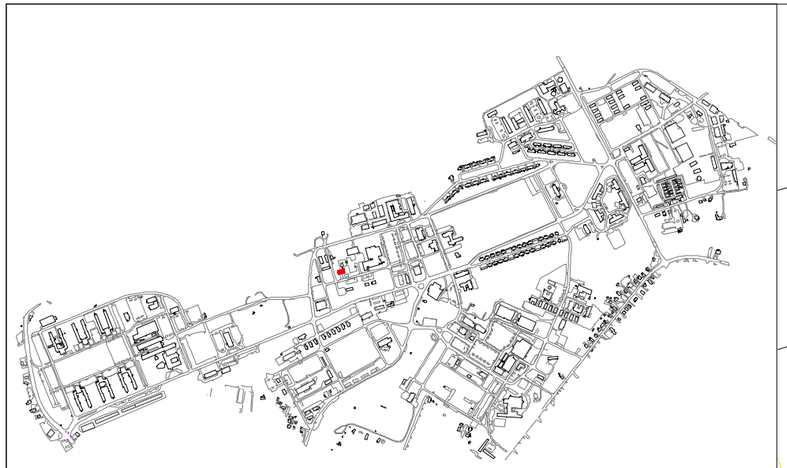
3) Only detections are presented in the figure; if no data box is presented at a sample location, then no analytes were detected.

SCALE: 1" = 20'

0' 20' 40' 80'

N W E S

DRAWN BY: L. Deskins	DATE: 6-8-12	LOCATION: Building 283 Main Post	TITLE: Building 283 Vapor Intrusion (VI) Site Investigation Sampling Results
CHECKED BY: I. Goldsberry	DATE: 6-8-12		
APPROVED BY: D. Parse	DATE: 6-8-12		
BUREAU VERITAS PROJECT NO. 12012-000068.00			FIGURE 6



Key Map
(Not To Scale)

Legend

- SS-4 ● Vapor Sub-slab Soil Gas Sampling Location
- X Attempted Vapor Sub-slab Soil Gas Sampling Location (Note 1)
- IA-3 ● Indoor Air Sampling Location
- AA-1 ● Ambient Air Sampling Location
- Single Door
- Inactive Utility Line
- Storm Sewer with Manholes
- M5MW16 ◐ Concentration of Chlorinated VOCs above GWSL

Battery Ave.

100-Foot Radius from Well M5MW16

M5MW16

Building 602 IA-3	µg/m³
Chloromethane	1

Building 602 SS-5	µg/m³
Tetrachloroethene	38

Building 602 AA-2	µg/m³
Chloromethane	1

Bldg. 602

Stairs Up to 2nd Floor

Mezzanine

Stairs Up to Mezzanine

Bay Door

Interior Windows

X X X

IA-3

SS-4

SS-5

AA-2

Messenger Ave.

Telegraph Avenue

SCALE: 1" = 30'

0' 30' 60' 120'

N W E S

BUREAU VERITAS

Notes

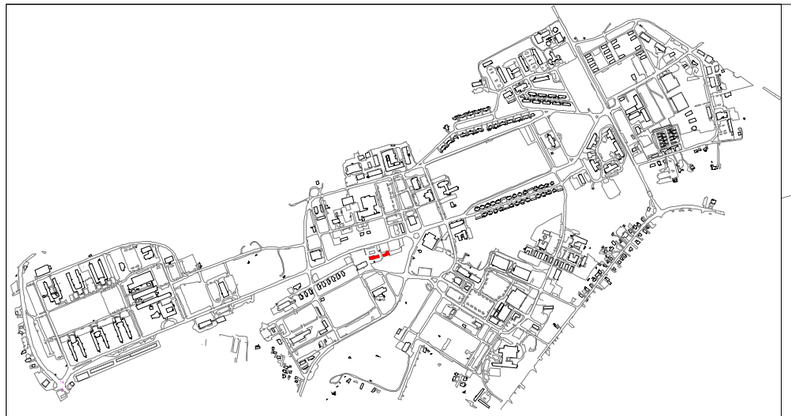
1) Vapor sub-slab soil gas sampling location SS-5 was re-located from its proposed location near the northern interior window. This adjustment was required based on locations where previous sub-slab sampling was attempted.
2) Sampling locations and features inside Building 602 are based on field measurements.
3) Locations of wells, buildings, roads, and all other features exterior to Building 602 were provided by Fort Monmouth personnel.
4) Only detections are presented in the figure; if no data box is presented at a sample location, then no analytes were detected.

DRAWN BY: L. Deskins	DATE: 6-8-12
CHECKED BY: I. Goldsberry	DATE: 6-8-12
APPROVED BY: D. Parse	DATE: 6-8-12
BUREAU VERITAS PROJECT NO. 12012-000065.00	

LOCATION: Building 602, Main Post

TITLE: Building 602 Vapor Intrusion (VI) Site Investigation Sampling Results

FIGURE: 7



Key Map
(Not To Scale)

Building 699 IA-4	µg/m³
Chloromethane	1

Building 699 SS-6	µg/m³
Tetrachloroethene	210
Trichloroethene	94

Building 699 SS-7	µg/m³
Tetrachloroethene	360

Building 699 AA-3	µg/m³
Chloromethane	1

Building 699 AA-3 DUP-1	µg/m³
Chloromethane	1

Building 699 AA-3 DUP-2	µg/m³
Chloromethane	1

Building 700 IA-6	µg/m³
Chloromethane	1

Building 700 SS-9	µg/m³
Tetrachloroethene	24

Building 700 IA-5	µg/m³
Chloromethane	1

Building 700 AA-3	µg/m³
Chloromethane	1

Building 700 AA-3 DUP-1	µg/m³
Chloromethane	1

Building 700 AA-3 DUP-2	µg/m³
Chloromethane	1

Legend

- SS-11 — Vapor Sub-slab Soil Gas Sampling Location
- IA-7-R — Indoor Air Sampling Location
- AA-4 — Ambient Air Sampling Location
- Storm Sewer with Manholes
- Inactive Utility Line
- Water Line
- Underground Electric
- MW05 — Concentration of Chlorinated VOCs above GWSL

Building 699
Auto Repair Garage Use
Bath-room
Hydraulic Lifts
Store Room
Air Comp. Room
Convenience Store Use
Vents
Bay Doors
Auto Repair Garage Use
IA-4
SS-6
SS-7
Vertical Water Pipe Penetrates Slab

Building 700
Hall
Office
Office
Office
Meeting/Conference Room
Office
Office
Bathroom
Adjacent Utility Room and Server Room
IA-6
SS-9
SS-10
IA-5 and Duplicate Sample
SS-8 and Duplicate Sample

MW09
AA-3 and Duplicate Samples
100-Foot Radius from Well MW09

SCALE: 1" = 20'
0' 20' 40' 80'

N W E S

Notes
1) Because Buildings 699 and 700 are adjacent to one another, ambient air sample AA-3 (and the duplicate samples collected at this location) apply to the vapor intrusion (VI) investigation for both buildings.
2) Sampling locations and features inside Buildings 699 and 700 are based on field measurements.
3) Locations of wells, buildings, roads, and all other features exterior to Buildings 699 and 700 were provided by Fort Monmouth personnel.
4) Based upon the current site conceptual model, the source of chlorinated volatile organic compounds in groundwater is exterior to the office in the southeastern corner of Building 700.
5) Only detections are presented in the figure; if no data box is presented at a sample location, then no analytes were detected.

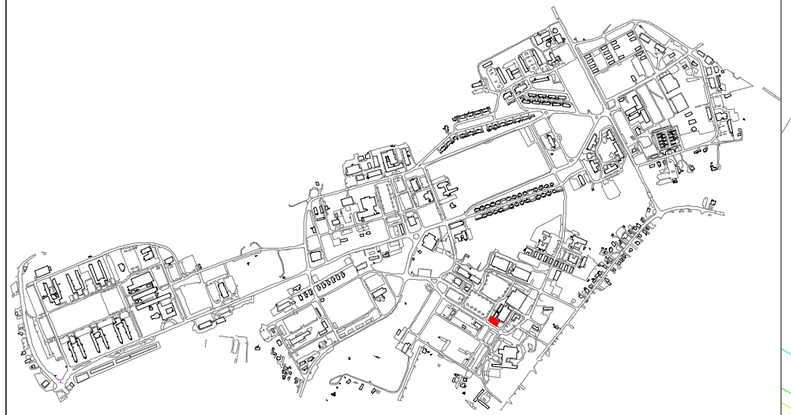
DRAWN BY: L. Deskins	DATE: 6-8-12
CHECKED BY: I. Goldsberry	DATE: 6-812
APPROVED BY: D. Parse	DATE: 6-8-12
BUREAU VERITAS PROJECT NO. 12012-000065.00	

LOCATION
Buildings 699 and 700
Main Post

TITLE
Buildings 699 and 700
Vapor Intrusion (VI) Site Investigation
Sampling Results

FIGURE
8

BUREAU VERITAS



Key Map
(Not To Scale)

Legend

- SS-11 — Vapor Sub-slab Soil Gas Sampling Location
- X — Attempted Vapor Sub-slab Soil Gas Sampling Location (Note 1)
- IA-7-R — Indoor Air Sampling Location
- AA-4 — Ambient Air Sampling Location
- Storm Sewer with Manholes
- Inactive Utility Line
- Water Line
- Underground Electric
- MW05 — Concentration of Chlorinated VOCs above GWSL

Building 1001 IA-7-R	µg/m³
Chloromethane	1

Building 1001 AA-4	µg/m³
Chloromethane	1

Building 1001

Building 1000

Hall
SS-11
AA-4
SS-12
Empty Room
Empty Room
Utility Room with Water Heater
IA-7-R
Walk-In Freezer
Electric Room
Loading Dock

ABANDONED
Alexander Ave.
Stephenson Ave.
100-Foot Radius from Well MW04
100-Foot Radius from Well MW05
12" C.I.
12" V.C.
8" C.I.
6" C.I.
10" V.C.
MW04
MW05

SCALE: 1" = 30'
0' 30' 60' 120'

N W E S

Notes

1) Sub-slab soil gas sample SS-12 was proposed at a location adjacent to IA-7-R. However, the hammer drill was unable to penetrate the concrete slab at the attempted locations.
2) Sampling locations and features inside Building 1001 are based on field measurements.
3) Locations of wells, buildings, roads, and all other features exterior to Building 1001 were provided by Fort Monmouth personnel.
4) The proposed indoor air sample IA-7 was collected, but upon return to Builidng 1001, the Summa canister vacuum gauge indicated positive pressure. Therefore, the indoor air sample was re-collected and is identified as IA-7-R. Original indoor air sample IA-7 was not analyzed.
5) Only detections are presented in the figure; if no data box is presented at a sample location, then no analytes were detected.

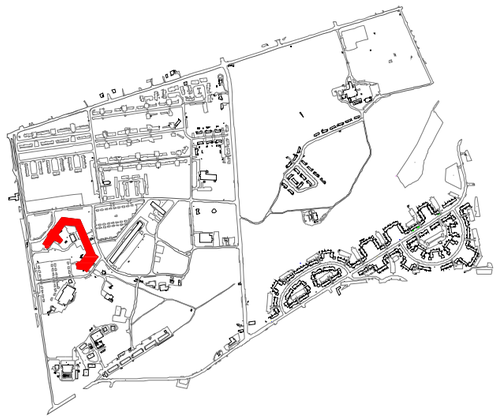
DRAWN BY: L. Deskins	DATE: 6-8-12
CHECKED BY: I. Goldsberry	DATE: 6-8-12
APPROVED BY: D. Parse	DATE: 6-8-12
BUREAU VERITAS PROJECT NO. 12012-000065.00	

LOCATION: Building 1001 Main Post

TITLE: Building 1001 Vapor Intrusion (VI) Site Investigation Sampling Results

FIGURE: 9

BUREAU VERITAS



Key Map
(Not To Scale)

Building 2700 AA-5	µg/m³
Chloromethane	1

Building 2700 IA-9	µg/m³
Chloromethane	1

Legend

- SS-15 — Vapor Sub-slab Soil Gas Sampling Location
- IA-9 — Indoor Air Sampling Location
- AA-5 — Ambient Air Sampling Location
- Single Door
- Double Doors
- Storm Sewer with Manholes
- Inactive Utility Line
- MW-28 — Concentration of Chlorinated VOCs above GWSL

Area Within 100 Feet of Wells MW-28, MW-29, and/or MW-281

Notes

1) An asterisk following the field sample identification indicates that a field duplicate sample was also collected.
2) Sampling locations and features inside Building 2700 are based on field measurements and a drawing prepared by Ross Murphy Finkelstein Inc., entitled Renovation of Myer Center Auditorium Building 2700 Power and Sound System Electrical, and dated August 7, 1989.
3) Locations of wells, buildings, roads, and all other features exterior to Building 2700 were provided by Fort Monmouth personnel.
4) Only detections are presented in the figure; if no data box is presented at a sample location, then no analytes were detected.

SCALE: 1" = 30'

0' 30' 60' 120'

N W E S

BUREAU VERITAS

DRAWN BY: L. Deskins	DATE: 6-8-12	LOCATION	FIGURE
CHECKED BY: I. Goldsberry	DATE: 6-8-12	Building 2700 Camp Charles Wood Area	10
APPROVED BY: D. Parse	DATE: 6-8-12	TITLE: Building 2700 Vapor Intrusion (VI) Site Investigation Sampling Results	
BUREAU VERITAS PROJECT NO. 12012-000068.00			

Tables

This page intentionally left blank.

Table 1: Sample Details and Analytical Parameters

Sample Number(s)	Building Number and Property Address (Street Name)	Parcel/Site ID	Medium	Approximate Number of Square Feet Subject to Vapor Intrusion Investigation	Number of Samples, Sample Method, and Analytical Parameters
SS-1 SS-2 SS-3 IA-1 IA-2 AA-1	Building 283 Sherrill Avenue	Parcel 50	Soil-gas Indoor Air Ambient Air	1,500	3 Sub-Slab 2 Indoor Air 1 Ambient Air Summa Canister LLTO-15 Benzene
SS-4 SS-5 IA-3 AA-2	Building 602 Telegraph Avenue	Site M5	Soil-gas Indoor Air Ambient Air	1,200	2 Sub-Slab 1 Indoor Air 1 Ambient Air Summa Canister LLTO-15 List 1
SS-6 SS-7 IA-4 AA-3 2 Duplicate Samples at AA-3	Building 699 Saltzman Avenue	Parcel 52	Soil-gas Indoor Air Ambient Air	1,200	2 Sub-Slab 1 Indoor Air 3 Ambient Air Summa Canister LLTO-15 List 1
SS-8 SS-9 SS-10 IA-5 IA-6 Duplicate samples at SS-8 & IA-5	Building 700 Saltzman Avenue	Parcel 52	Soil-gas Indoor Air	4,000	4 Sub-Slab 3 Indoor Air Summa Canister LLTO-15 List 1
SS-11 SS-12 IA-7-R AA-4	Building 1001 Saltzman Avenue	Not Provided	Soil-gas Indoor Air Ambient Air	500	2 Sub-Slab 1 Indoor Air 1 Ambient Air Summa Canister LLTO-15 List 1
SS-13 SS-14 SS-15 IA-8 IA-9 AA-5 Duplicate samples at SS-13 and IA-8	Building 2700 Corregidor Road	Parcel 15	Soil-gas Indoor Air Ambient Air	3,500	4 Sub-Slab 3 Indoor Air 1 Ambient Air Summa Canister LLTO-15 List 1

Notes and Abbreviations:

SS – Sub-Slab

IA – Indoor Air

AA – Ambient Air

DUP – Duplicate

1) The analytical program requires List 1 where a halogenated VOC was detected at a concentration above its Groundwater Screening Level (GWSL). List 1 includes the following halogenated TO-15 compounds: Chloroethane; Chloromethane; 1,1-Dichloroethane; 1,2-Dichloroethane; 1,1-Dichloroethene; cis-1,2-Dichloroethene; trans-1,2-Dichloroethene; Dichloromethane; Methylene Chloride; 1,1,2,2-Tetrachloroethane; Tetrachloroethene (PCE); 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; Trichloroethene (TCE); and, Vinyl Chloride.

Table 2: Summary of VI Site Investigation Results

Building ID	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 283			Building 283			Building 283			Building 283			Building 283			Building 283		
Sample Type					Sub-Slab Soil Gas			Sub-Slab Soil Gas			Sub-Slab Soil Gas			Ambient Air			Indoor Air			Indoor Air		
Field Sample ID					SS-1			SS-2			SS-3			AA-1			IA-1			IA-2		
Lab Sample ID	Residential	Non-Residential	Residential	Non-Residential	22-9749-10			22-9749-11			22-9749-12			22-9749-4			22-9749-2			22-9749-3		
Sample Collection Date(s)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	3/6/2012			3/6/2012			3/6/2012			3/5/2012			3/5/2012			3/5/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	ND		6	ND		6	ND		6	ND		0.6	ND		0.6	ND		0.6
Chloroethane	110	250	2	5	NA			NA			NA			NA			NA			NA		
Chloromethane	4,700	6,600	95	130	NA			NA			NA			NA			NA			NA		
1,2-Dichloroethane	20	20	2	2	NA			NA			NA			NA			NA			NA		
1,2-Dichloroethene (cis)	1,800	2,600	36	51	NA			NA			NA			NA			NA			NA		
1,2-Dichloroethene (trans)	3,600	5,100	73	100	NA			NA			NA			NA			NA			NA		
Methylene chloride	190	430	4	9	NA			NA			NA			NA			NA			NA		
1,1,2,2-Tetrachloroethane	34	34	3	3	NA			NA			NA			NA			NA			NA		
Tetrachloroethene	34	36	3	3	NA			NA			NA			NA			NA			NA		
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	NA			NA			NA			NA			NA			NA		
1,1,2-Trichloroethane	27	27	3	3	NA			NA			NA			NA			NA			NA		
Trichloroethene	27	27	3	3	NA			NA			NA			NA			NA			NA		
Vinyl chloride	13	48	1	1	NA			NA			NA			NA			NA			NA		

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID Sample Type Field Sample ID Lab Sample ID Sample Collection Date(s)	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 602 Sub-Slab Soil Gas SS-4 200-10127-3 3/30/2012			Building 602 Sub-Slab Soil Gas SS-5 200-10127-4 3/30/2012			Building 602 Ambient Air AA-2 200-10127-1 3/29/2012			Building 602 Indoor Air IA-3 200-10127-2 3/29/2012		
NJDEP-LLTO015-RESULTS	Residential (ug/m^3)	Non-Residential (ug/m^3)	Residential (ug/m^3)	Non-Residential (ug/m^3)	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		13	ND		13	ND		1	ND		1
Chloromethane	4,700	6,600	95	130	ND		10	ND		10	**1**			**1**		
1,2-Dichloroethane	20	20	2	2	ND		8	ND		8	ND		0.8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		8	ND		8	ND		0.8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		8	ND		8	ND		0.8	ND		0.8
Methylene chloride	190	430	4	9	ND		17	ND		17	ND		2	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		14	ND		14	ND		1	ND		1
Tetrachloroethene	34	36	3	3	ND		14	**38**			ND		1	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		11	ND		11	ND		1	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		11	ND		11	ND		1	ND		1
Trichloroethene	27	27	3	3	ND		11	ND		11	ND		1	ND		1
Vinyl chloride	13	48	1	1	ND		5	ND		5	ND		0.5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID Sample Type Field Sample ID Lab Sample ID Sample Collection Date(s)	Soil Gas Screening Levels Residential (ug/m^3)	 Non-Residential (ug/m^3)	Indoor Air Screening Levels Residential (ug/m^3)	 Non-Residential (ug/m^3)	Building 699 Sub-Slab Soil Gas SS-6 200-9750-5 3/8/2012			Building 699 Sub-Slab Soil Gas SS-7 200-9750-10 3/8/2012			Building 699 (Note 4) Ambient Air AA-3 200-9750-17 3/7/2012			Building 699 (Note 4) Ambient Air *AA-3 (aka, AA-DUP-1) 200-9750-8 3/7/2012			Building 699 (Note 4) Ambient Air *AA-3 (aka, AA-DUP-2) 200-9750-9 3/7/2012			Building 699 Indoor Air IA-4 200-9749-16 3/7/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		13	ND		13	ND		1	ND		1	ND		1	ND		1
Chloromethane	4,700	6,600	95	130	ND		10	ND		10	**1**			**1**			**1**			**1**		
1,2-Dichloroethane	20	20	2	2	ND		8	ND		8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		8	ND		8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		8	ND		8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
Methylene chloride	190	430	4	9	ND		17	ND		17	ND		2	ND		2	ND		2	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		14	ND		14	ND		1	ND		1	ND		1	ND		1
Tetrachloroethene	34	36	3	3	**210**			**360**			ND		1	ND		1	ND		1	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		11	ND		11	ND		1	ND		1	ND		1	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		11	ND		11	ND		1	ND		1	ND		1	ND		1
Trichloroethene	27	27	3	3	**94**			ND		11	ND		1	ND		1	ND		1	ND		1
Vinyl chloride	13	48	1	1	ND		5	ND		5	ND		0.5	ND		0.5	ND		0.5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 700			Building 700			Building 700			Building 700			Building 700 (Note 4)		
Sample Type					Sub-Slab Soil Gas			Sub-Slab Soil Gas			Sub-Slab Soil Gas			Sub-Slab Soil Gas			Ambient Air		
Field Sample ID					*SS-8			*SS-8 (aka, SS-DUP-1)			SS-9			SS-10			*AA-3		
Lab Sample ID					200-9750-11			200-9750-14			200-9750-12			200-9750-13			200-9749-17		
Sample Collection Date(s)	Residential (ug/m^3)	Non-Residential (ug/m^3)	Residential (ug/m^3)	Non-Residential (ug/m^3)	3/8/2012			3/8/2012			3/8/2012			3/8/2012			3/7/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		13	ND		13	ND		13	ND		13	ND		1
Chloromethane	4,700	6,600	95	130	ND		10	ND		10	ND		10	ND		10	**1**		
1,2-Dichloroethane	20	20	2	2	ND		8	ND		8	ND		8	ND		8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		8	ND		8	ND		8	ND		8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		8	ND		8	ND		8	ND		8	ND		0.8
Methylene chloride	190	430	4	9	ND		17	ND		17	ND		17	ND		17	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		14	ND		14	ND		14	ND		14	ND		1
Tetrachloroethene	34	36	3	3	ND		14	ND		14	**24**			ND		14	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		11	ND		11	ND		11	ND		11	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		11	ND		11	ND		11	ND		11	ND		1
Trichloroethene	27	27	3	3	ND		11	ND		11	ND		11	ND		11	ND		1
Vinyl chloride	13	48	1	1	ND		5	ND		5	ND		5	ND		5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 700 (Note 4)			Building 700 (Note 4)			Building 700			Building 700			Building 700		
Sample Type					Ambient Air			Ambient Air			Indoor Air			Indoor Air			Indoor Air		
Field Sample ID					*AA-3 (aka, AA-DUP-1)			*AA-3 (aka, AA-DUP-2)			*IA-5			*IA-5 (aka, IA-DUP-1)			IA-6		
Lab Sample ID					200-9750-8			200-9750-9			200-9749-18			200-9750-6			200-9750-1		
Sample Collection Date(s)	Residential (ug/m^3)	Non-Residential (ug/m^3)	Residential (ug/m^3)	Non-Residential (ug/m^3)	3/7/2012			3/7/2012			3/7/2012			3/7/2012			3/7/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		1	ND		1	ND		1	ND		1	ND		1
Chloromethane	4,700	6,600	95	130	**1**			**1**			**1**			ND		1	**1**		
1,2-Dichloroethane	20	20	2	2	ND		0.8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		0.8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		0.8	ND		0.8	ND		0.8	ND		0.8	ND		0.8
Methylene chloride	190	430	4	9	ND		2	ND		2	ND		2	ND		2	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		1	ND		1	ND		1	ND		1	ND		1
Tetrachloroethene	34	36	3	3	ND		1	ND		1	ND		1	ND		1	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		1	ND		1	ND		1	ND		1	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		1	ND		1	ND		1	ND		1	ND		1
Trichloroethene	27	27	3	3	ND		1	ND		1	ND		1	ND		1	ND		1
Vinyl chloride	13	48	1	1	ND		0.5	ND		0.5	ND		0.5	ND		0.5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 1001			Building 1001			Building 1001			Building 1001		
Sample Type					Sub-Slab Soil Gas			Sub-Slab Soil Gas			Ambient Air			Indoor Air		
Field Sample ID					SS-11			SS-12			AA-4			IA-7-R		
Lab Sample ID	Residential	Non-Residential	Residential	Non-Residential	200-9749-14			200-9749-15			200-9749-8			200-7949-1		
Sample Collection Date(s)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	3/6/2012			3/6/2012			3/5/2012			3/9/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		13	ND		13	ND		1	ND		1
Chloromethane	4,700	6,600	95	130	ND		10	ND		10	**1**			**1**		
1,2-Dichloroethane	20	20	2	2	ND		8	ND		8	ND		0.8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		8	ND		8	ND		0.8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		8	ND		8	ND		0.8	ND		0.8
Methylene chloride	190	430	4	9	ND		17	ND		17	ND		2	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		14	ND		14	ND		1	ND		1
Tetrachloroethene	34	36	3	3	ND		14	ND		14	ND		1	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		11	ND		11	ND		1	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		11	ND		11	ND		1	ND		1
Trichloroethene	27	27	3	3	ND		11	ND		11	ND		1	ND		1
Vinyl chloride	13	48	1	1	ND		5	ND		5	ND		0.5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 2700			Building 2700			Building 2700			Building 2700		
Sample Type					Sub-Slab Soil Gas			Sub-Slab Soil Gas			Sub-Slab Soil Gas			Ambient Air		
Field Sample ID					*SS-13			*SS-13 (aka, SS-DUP-2)			SS-15			AA-5		
Lab Sample ID	Residential	Non-Residential	Residential	Non-Residential	200-9750-15			200-9750-18			200-9750-17			200-9750-4		
Sample Collection Date(s)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	3/8/2012			3/8/2012			3/8/2012			3/7/2012		
NJDEP-LLTO015-RESULTS					Result	Qual	RL	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA			NA		
Chloroethane	110	250	2	5	ND		13	ND		13	ND		13	ND		1
Chloromethane	4,700	6,600	95	130	ND		10	ND		10	ND		10	**1**		
1,2-Dichloroethane	20	20	2	2	ND		8	ND		8	ND		8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		8	ND		8	ND		8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		8	ND		8	ND		8	ND		0.8
Methylene chloride	190	430	4	9	ND		17	ND		17	ND		17	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		14	ND		14	ND		14	ND		1
Tetrachloroethene	34	36	3	3	ND		14	ND		14	ND		14	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		11	ND		11	ND		11	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		11	ND		11	ND		11	ND		1
Trichloroethene	27	27	3	3	ND		11	ND		11	ND		11	ND		1
Vinyl chloride	13	48	1	1	ND		5	ND		5	ND		5	ND		0.5

Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter (ug/m^3).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent to one-another. As such, the results are shown for both Buildings 699 and 700.

Table 2: Summary of VI Site Investigation Results (Continued)

Building ID Sample Type Field Sample ID Lab Sample ID Sample Collection Date(s)	Soil Gas Screening Levels		Indoor Air Screening Levels		Building 2700 Indoor Air *IA-8 200-9750-2 3/7/2012			Building 2700 Indoor Air *IA-8 (aka, IA-DUP-2) 200-9750-7 3/7/2012			Building 2700 Indoor Air IA-9 200-9750-3 3/7/2012		
NJDEP-LLTO015-RESULTS	Residential (ug/m^3)	Non-Residential (ug/m^3)	Residential (ug/m^3)	Non-Residential (ug/m^3)	Result	Qual	RL	Result	Qual	RL	Result	Qual	RL
Benzene	16	26	2	2	NA			NA			NA		
Chloroethane	110	250	2	5	ND		1	ND		1	ND		1
Chloromethane	4,700	6,600	95	130	ND		1	ND		1	**1**		
1,2-Dichloroethane	20	20	2	2	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (cis)	1,800	2,600	36	51	ND		0.8	ND		0.8	ND		0.8
1,2-Dichloroethene (trans)	3,600	5,100	73	100	ND		0.8	ND		0.8	ND		0.8
Methylene chloride	190	430	4	9	ND		2	ND		2	ND		2
1,1,2,2-Tetrachloroethane	34	34	3	3	ND		1	ND		1	ND		1
Tetrachloroethene	34	36	3	3	ND		1	ND		1	ND		1
1,1,1-Trichloroethane	51,000	72,000	1,000	1,400	ND		1	ND		1	ND		1
1,1,2-Trichloroethane	27	27	3	3	ND		1	ND		1	ND		1
Trichloroethene	27	27	3	3	ND		1	ND		1	ND		1
Vinyl chloride	13	48	1	1	ND		0.5	ND		0.5	ND		0.5

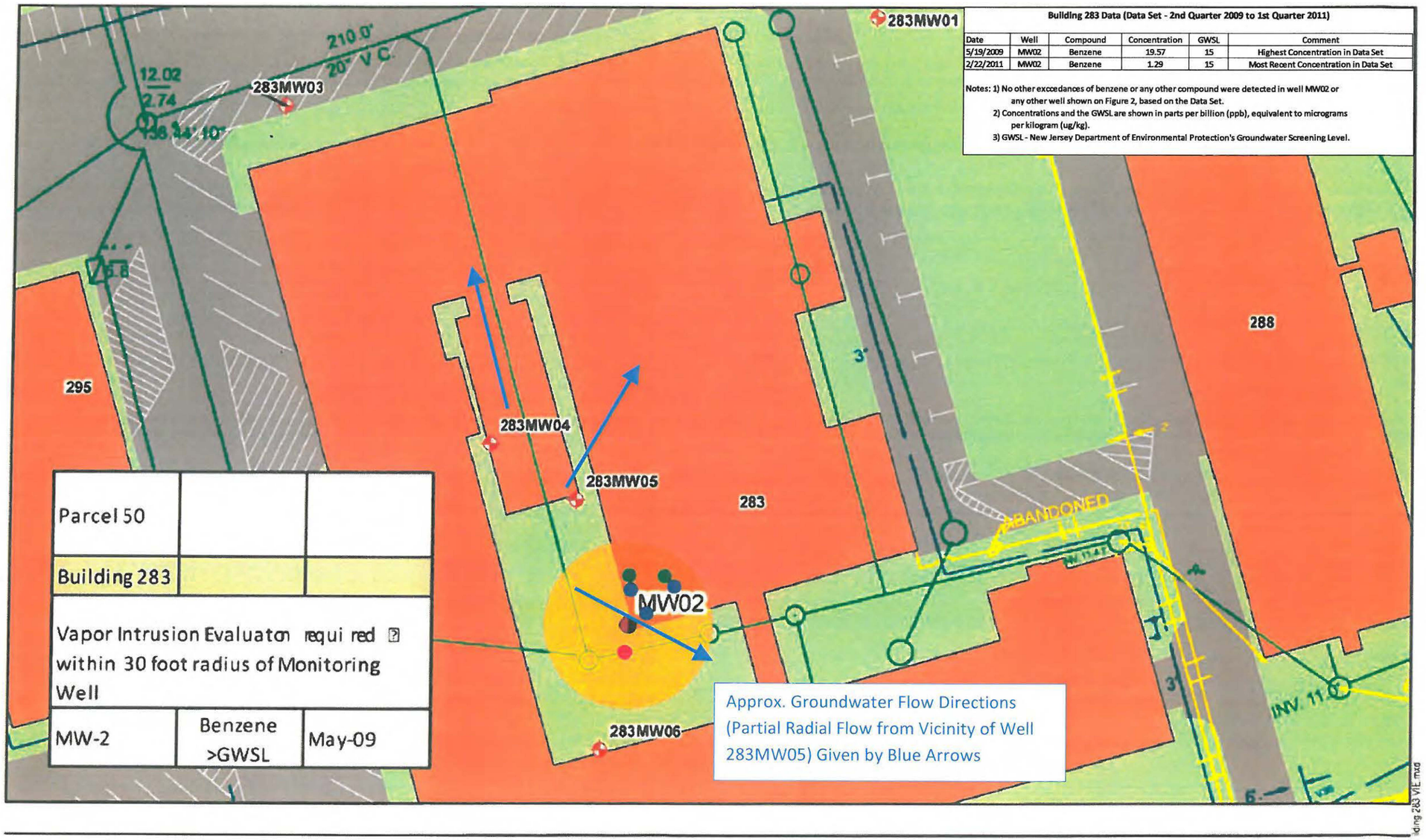
Notes and Abbreviations:
NA - Not Analyzed
ND - The compound was targeted for analysis, but was not detected above the reporting limit
Qual - Laboratory data qualifier
RL - Reporting Limit
* - Field duplicate sample

1) All results and reporting limits are provided in units of micrograms per cubic meter ($\mu g/m^3$).
2) Detections appear in bold font.
3) Concentrations that are highlighted in yellow exceed at least the appropriate Residential Screening Levels.
4) Ambient air sample AA-3 and the duplicates collected at this location apply to both Building 699 and Building 700, which are immediately adjacent t
one-another. As such, the results are shown for both Buildings 699 and 700.

Appendix A

Historical Groundwater Analytical Data

This page intentionally left blank.



Building 283 Data (Data Set - 2nd Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
5/19/2009	MW02	Benzene	19.57	15	Highest Concentration in Data Set
2/22/2011	MW02	Benzene	1.29	15	Most Recent Concentration in Data Set

Notes: 1) No other exccedances of benzene or any other compound were detected in well MW02 or any other well shown on Figure 2, based on the Data Set.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).
3) GWSL - New Jersey Department of Environmental Protection's Groundwater Screening Level.

Legend

- VIE Monitoring Wells_2
- Monitoring Well
- 30' Radius
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Post Boundary
- Ambient Air Sample
- Indoor Air Sample
- Sub-Slab Sample

0' 30' 60' 120'

N W E S

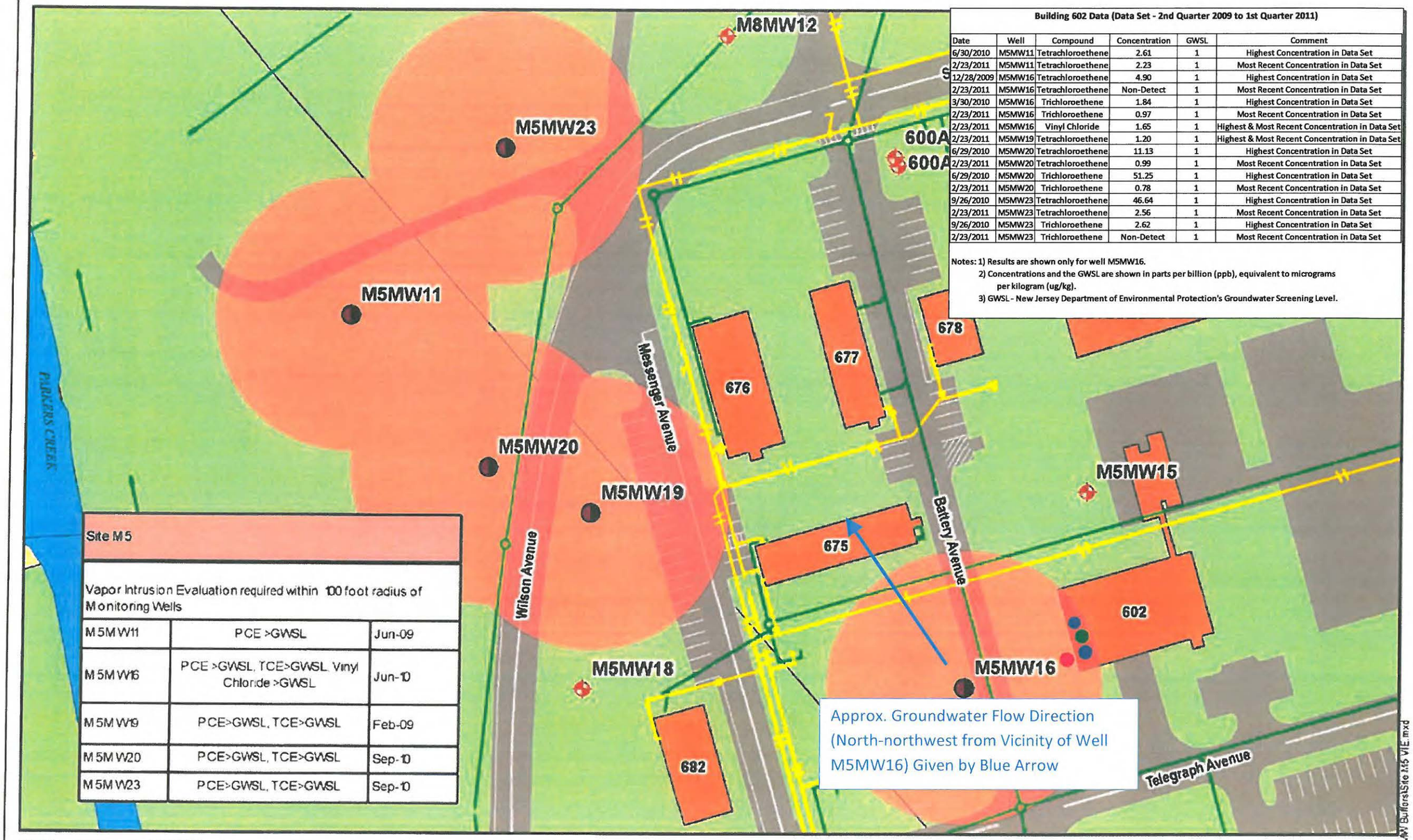
BUREAU VERITAS

DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: G. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION: Main Post Building 283 Sherill Avenue

TITLE: Proposed Vapor Sampling Points Building 283

FIGURE: 2



Building 602 Data (Data Set - 2nd Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
6/30/2010	M5MW11	Tetrachloroethene	2.61	1	Highest Concentration in Data Set
2/23/2011	M5MW11	Tetrachloroethene	2.23	1	Most Recent Concentration in Data Set
12/28/2009	M5MW16	Tetrachloroethene	4.90	1	Highest Concentration in Data Set
2/23/2011	M5MW16	Tetrachloroethene	Non-Detect	1	Most Recent Concentration in Data Set
3/30/2010	M5MW16	Trichloroethene	1.84	1	Highest Concentration in Data Set
2/23/2011	M5MW16	Trichloroethene	0.97	1	Most Recent Concentration in Data Set
2/23/2011	M5MW16	Vinyl Chloride	1.65	1	Highest & Most Recent Concentration in Data Set
2/23/2011	M5MW19	Tetrachloroethene	1.20	1	Highest & Most Recent Concentration in Data Set
6/29/2010	M5MW20	Tetrachloroethene	11.13	1	Highest Concentration in Data Set
2/23/2011	M5MW20	Tetrachloroethene	0.99	1	Most Recent Concentration in Data Set
6/29/2010	M5MW20	Trichloroethene	51.25	1	Highest Concentration in Data Set
2/23/2011	M5MW20	Trichloroethene	0.78	1	Most Recent Concentration in Data Set
9/26/2010	M5MW23	Tetrachloroethene	46.64	1	Highest Concentration in Data Set
2/23/2011	M5MW23	Tetrachloroethene	2.56	1	Most Recent Concentration in Data Set
9/26/2010	M5MW23	Trichloroethene	2.62	1	Highest Concentration in Data Set
2/23/2011	M5MW23	Trichloroethene	Non-Detect	1	Most Recent Concentration in Data Set

Notes: 1) Results are shown only for well M5MW16.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).
3) GWSL - New Jersey Department of Environmental Protection's Groundwater Screening Level.

Site M5

Vapor Intrusion Evaluation required within 100 foot radius of Monitoring Wells

M5MW11	PCE >GWSL	Jun-09
M5MW16	PCE >GWSL, TCE>GWSL, Vinyl Chloride >GWSL	Jun-10
M5MW19	PCE>GWSL, TCE>GWSL	Feb-09
M5MW20	PCE>GWSL, TCE>GWSL	Sep-10
M5MW23	PCE>GWSL, TCE>GWSL	Sep-10

Legend

- Vapor Intrusion Well
- Monitoring Well
- 100' Buffer Area
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Water Body
- Post Boundaries

0' 50' 100' 200'

N W E S

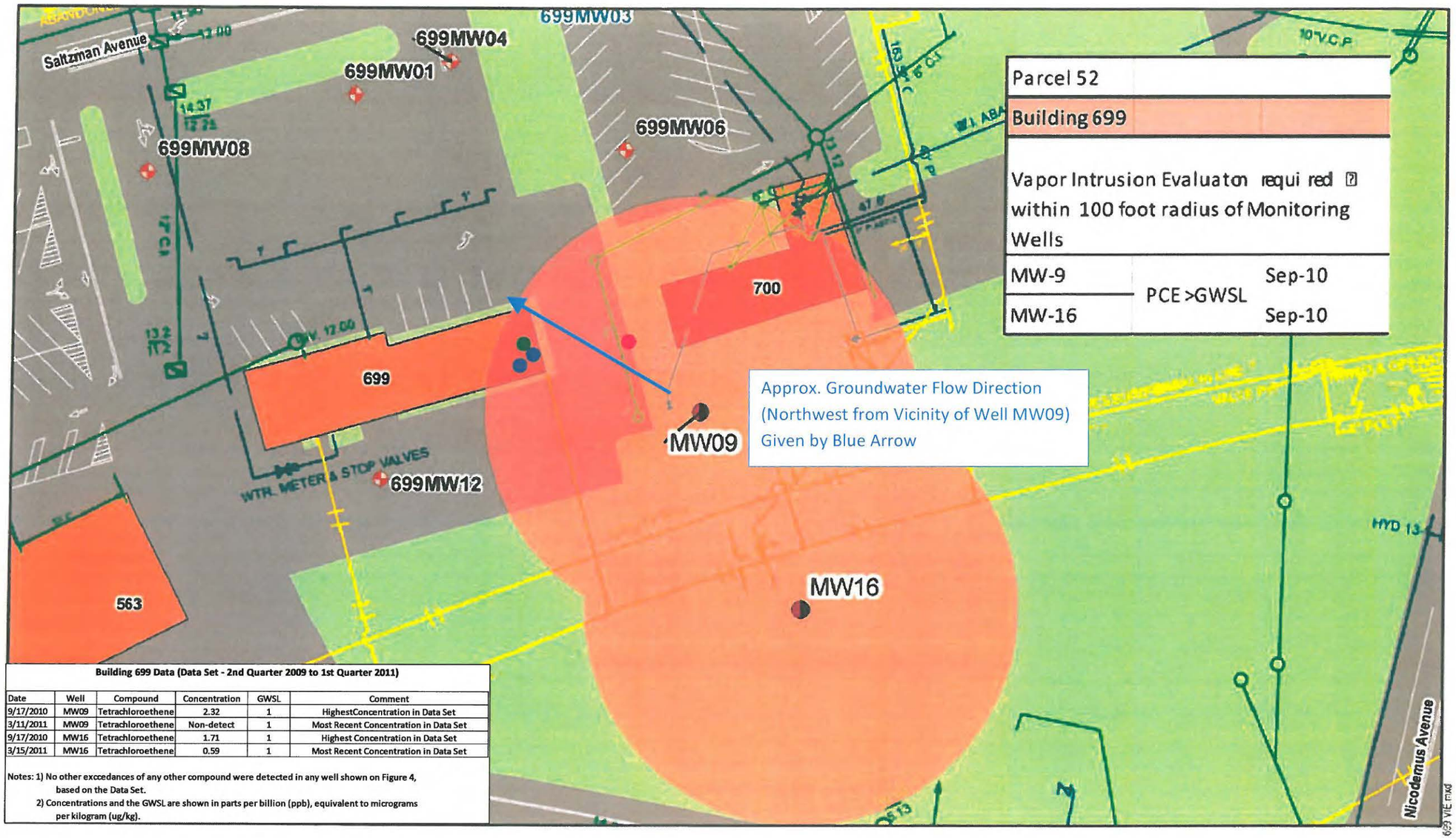
BUREAU VERITAS

DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: G. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION: Main Post Building 602 Telegraph Avenue

TITLE: Proposed Vapor Sampling Points Building 602

FIGURE: 3



Building 699 Data (Data Set - 2nd Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
9/17/2010	MW09	Tetrachloroethene	2.32	1	HighestConcentration in Data Set
3/11/2011	MW09	Tetrachloroethene	Non-detect	1	Most Recent Concentration in Data Set
9/17/2010	MW16	Tetrachloroethene	1.71	1	Highest Concentration in Data Set
3/15/2011	MW16	Tetrachloroethene	0.59	1	Most Recent Concentration in Data Set

Notes: 1) No other exceedances of any other compound were detected in any well shown on Figure 4, based on the Data Set.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).

Legend

- Vapor Intrusion Well
- Monitoring Well
- 100' Buffer Area
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Water Body
- Post Boundaries
- Ambient Air Sample
- Indoor Air Sample
- Sub-Slab Sample

0' 40' 80' 160'

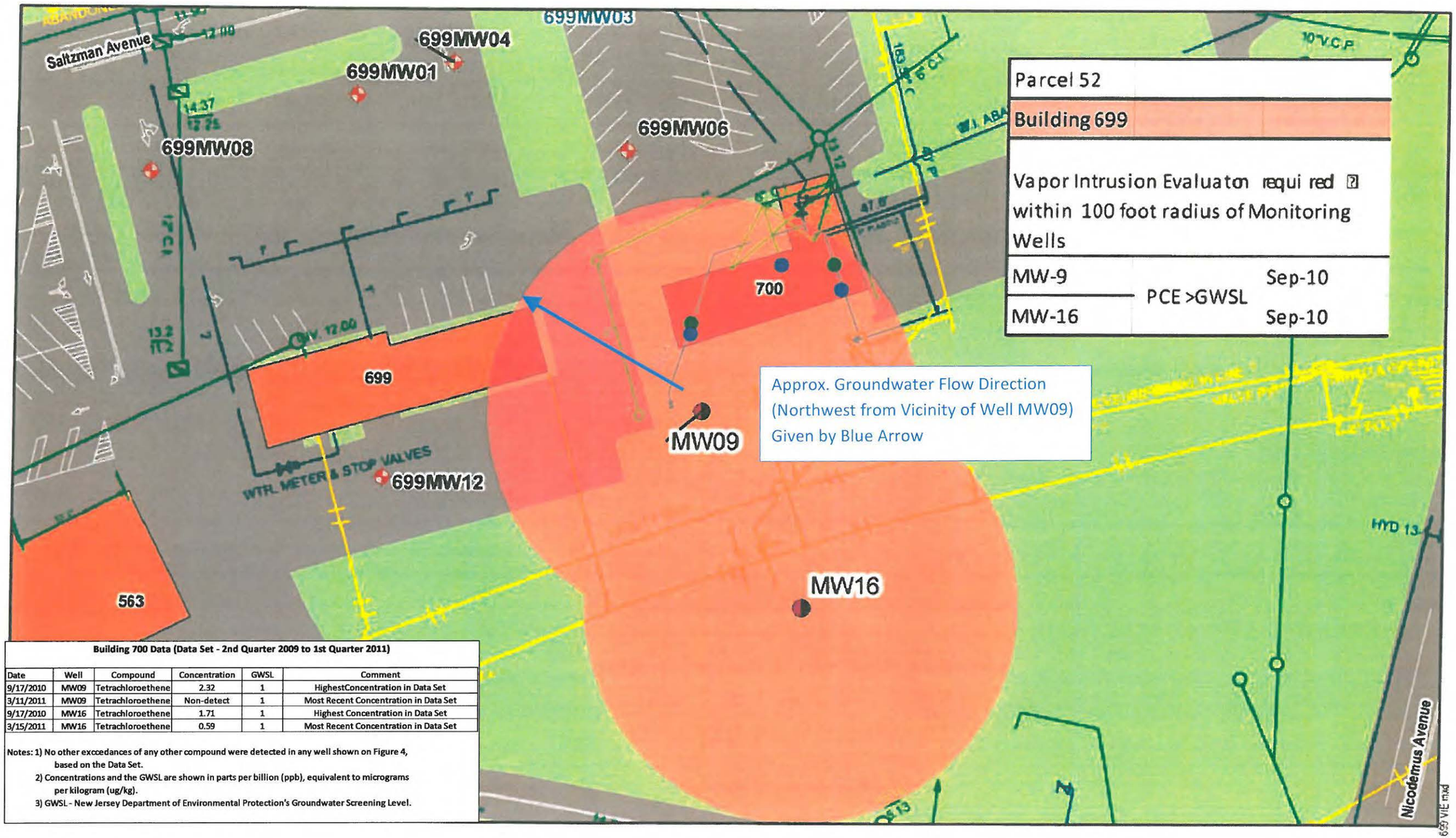
DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: G. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION: Main Post Building 699 Saltzman Avenue

TITLE: Proposed Vapor Sampling Points Building 699

FIGURE: 4

BUREAU VERITAS



Building 700 Data (Data Set - 2nd Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
9/17/2010	MW09	Tetrachloroethene	2.32	1	HighestConcentration in Data Set
3/11/2011	MW09	Tetrachloroethene	Non-detect	1	Most Recent Concentration in Data Set
9/17/2010	MW16	Tetrachloroethene	1.71	1	Highest Concentration in Data Set
3/15/2011	MW16	Tetrachloroethene	0.59	1	Most Recent Concentration in Data Set

Notes: 1) No other exccedances of any other compound were detected in any well shown on Figure 4, based on the Data Set.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).
3) GWSL - New Jersey Department of Environmental Protection's Groundwater Screening Level.

Legend

- Vapor Intrusion Well
- Monitoring Well
- 100' Buffer Area
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Water Body
- Post Boundaries
- Indoor Air Sample
- Sub-Slab Sample

0' 40' 80' 160'

N W E S

DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: G. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION
Main Post
Building 700
Saltzman Avenue

TITLE
Proposed Vapor Sampling Points Building 700

FIGURE
5

Building 812		
Vapor Intrusion Evaluation required within 100 foot radius of Monitoring Wells		
MW-05	Chloroethane >GWSL	Feb-10
MW-04	Vinyl Chloride	Aug-10

1000
1001
1006
812MW14
812MW02
812MW07
812MW08
812MW01
812MW06
MW04
MW05
812MW03
ABANDONED
Alexander Avenue
Heliograph Avenue
Stephenson Avenue
Murphy Drive
POST
17.25
3.82
13.18
24.10
18.98
26.00

Approx. Groundwater Flow Directions (North to Northwest from Vicinity of Wells MW05 and MW06) Given by Blue Arrows

Building 1001 Data (Data Set - 1st Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
8/10/2009	MW04	Vinyl Chloride	12.25	1	Highest Concentration in Data Set
2/15/2011	MW04	Vinyl Chloride	Non-detect	1	Most Recent Concentration in Data Set
2/9/2009	MW05	Chloroethane	8.14	4	Highest Concentration in Data Set
2/15/2011	MW05	Chloroethane	0.67	4	Most Recent Concentration in Data Set

Notes: 1) No other exceedances of any other compound were detected in any well shown on Figure 6, based on the Data Set.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).
3) GWSL - New Jersey Department of Environmental Protection's Groundwater Screening Level.

Img 812 VIE.mxd

Legend

- Vapor Intrusion Well
- Monitoring Well
- 100' Buffer Area
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Water Body
- Post Boundaries
- Ambient Air Sample
- Indoor Air Sample
- Sub-Slab Sample

0' 30' 60' 120'

N W E S

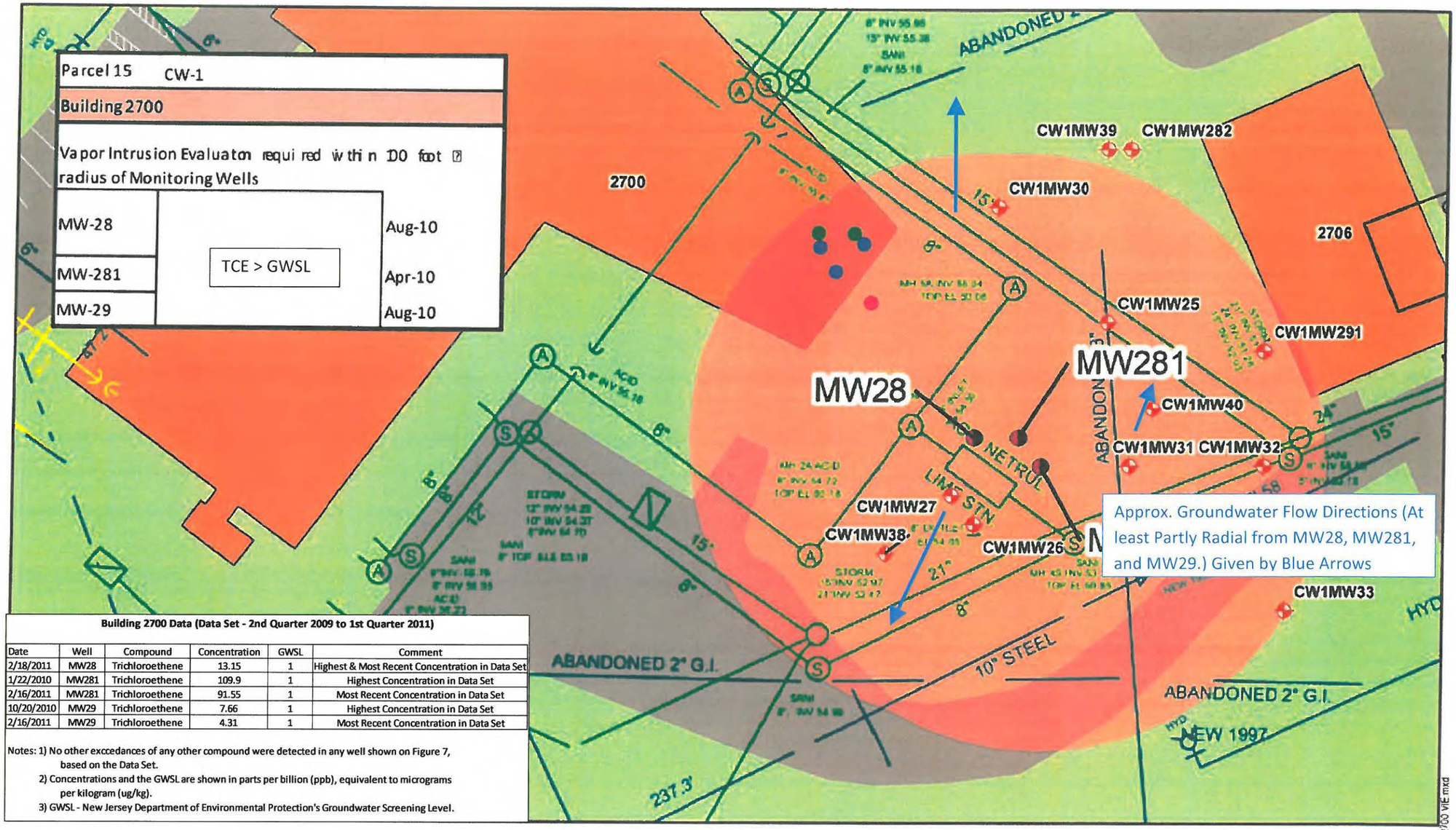
BUREAU VERITAS

DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: G. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION
Main Post
Building 1001
Stephenson Avenue

TITLE
Proposed Vapor Sampling Points Building 1001

FIGURE
6



Building 2700 Data (Data Set - 2nd Quarter 2009 to 1st Quarter 2011)

Date	Well	Compound	Concentration	GWSL	Comment
2/18/2011	MW28	Trichloroethene	13.15	1	Highest & Most Recent Concentration in Data Set
1/22/2010	MW281	Trichloroethene	109.9	1	Highest Concentration in Data Set
2/16/2011	MW281	Trichloroethene	91.55	1	Most Recent Concentration in Data Set
10/20/2010	MW29	Trichloroethene	7.66	1	Highest Concentration in Data Set
2/16/2011	MW29	Trichloroethene	4.31	1	Most Recent Concentration in Data Set

Notes: 1) No other exccedances of any other compound were detected in any well shown on Figure 7, based on the Data Set.
2) Concentrations and the GWSL are shown in parts per billion (ppb), equivalent to micrograms per kilogram (ug/kg).
3) GWSL - New Jersey Department of Environmental Protection's Groundwater Screening Level.

Legend

- Vapor Intrusion Well
- Monitoring Well
- 100' Buffer Area
- Existing Building
- Water
- Sewer
- Gas
- Steam
- Condensate
- Roadway & Parking
- Water Body
- Post Boundaries
- Ambient Air Sample
- Indoor Air Sample
- Sub-Slab Sample

0' 30' 60' 120'

N W E S

BUREAU VERITAS

DRAWN BY: C. Ostermann	DATE: 2-9-12
CHECKED BY: C. Clark	DATE: 2-9-12
APPROVED BY: B. Munoz	DATE: 2-9-12
BUREAU VERITAS PROJECT NO.	

LOCATION
Chrales Wood Area
Building 2700
Corregidor Road

TITLE
Proposed Vapor Sampling Points Building 2700

FIGURE
7

Building 2700 VIE.mxd

Appendix B

Field Forms

This page intentionally left blank.

Building Evaluation Form Building 283, Main Post (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Now Vacant

	Residential	Government
	X Office (formerly)	School
	Commercial	Warehouse
	Industrial	Other:

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: 1,500 sq ft** Number of Floors: **Subject to VI: One**

*Ceiling Height: 2 dropped ceilings lower at 8.5'; next at ~12.5'; Roof at ~30' - Building Age: **Approx. 77 years**

General Description of Building Construction Materials: **Brick & cinder block (exterior)**

acoustic board & paneling on interior sheet rock walls

*Foundation Type:	Basement	Crawl Space	X Slab	
Foundation Materials:	Poured Concrete		X Cinder Blocks	Earthen
	Wood		Other, specify	
Foundation Wall Material:	Poured Concrete		X Cinder Blocks	Earthen
	Wood		Stone	

Draw in the Floor Plan:

See Figure 2 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

There is no basement in the area subject to the VI Investigation.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: _____

Is the basement finished? Yes No

Does anyone live in the basement as a primary residence or use the basement daily? Yes No

The basement is generally: Wet Dry Damp

Is there a sump in the basement? Yes No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have a drainage point in floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? Yes

No

If yes, what is the PID/FID/CGI reading? _____

Is the basement sealed with waterproof paint or epoxy coating? Yes No

Does the basement have flooring over the foundation? Yes No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? **X** Cinder Block & Brick **X** Sheet Rock **X** Paneling

Other, Specify **Acoustic Board**

Is there flooring in the first floor? **X**Yes No

If Yes, what type? **X** Tile **X** Carpet Wood

Pergo Other, Specify _____

Are there pipes or utility conduits through the outside walls or floor? Yes **X** No

Not in rooms where VI Investigation samples were collected

If yes, what is the PID/FID/CGI reading?

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable)

N/A - No second floor in area subject to VI Investigation

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? Yes No

If yes, what type? Tile Carpet Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	X Electric Baseboard
X Other, specify:	Electric heaters w/ natural gas & forced air to some rooms.

What type of fuel(s) are used in the building? (Check all that apply)

X Natural Gas	X Electric
Fuel Oil	Wood
Coal	Solar

Other, specify _____

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply) **None observed in area subject to VI Investigation**

Mechanical Fans	Open Windows
Individual Air Conditioning Units	Kitchen Range Hood
Bathroom Ventilation Fan	Air-to-Air Heat Exchanger
Other, specify	

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event. **None observed in areas subject to the VI Investigation.**

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
Other		

G. BUILDING USE:
Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes X No If yes, date_____

Is there a septic system? Yes X No If yes, date of system_____

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes X No

Was recent remodeling or painting done in the building? Yes X No

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? X Yes No

Wall paneling and acoustic board

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

_____

Has the building been treated with any insecticides/pesticides? Yes X No

Chemicals used and how often they are applied? **None are currently used; cleaning chemicals may have been used historically.**

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: Grass

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? Monitoring wells (see Figure 2)

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

_____

_____

_____

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply): Smoking area to south of Room 115.

Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? **X** Yes No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	⊛ Other, describe Gasoline

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

The release resulted from a leaking underground storage tank. As of 26 January 2010, remaining contamination was limited to benzene in groundwater at one well. Additional groundwater samples collected from May 2010 through the first quarter 2011 demonstrate that all groundwater impacts have attenuated as a result of active groundwater remediation.

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement			
First Floor		0.0	
Second Floor			
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT (to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

Building Evaluation Form Building 602, Main Post (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Residential Government
Now Vacant
Office School
X Commercial (former) Warehouse
Industrial Other: _____

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: 1,200 sq ft** Number of Floors: **Subject to VI: Two**

*Ceiling Height: Approx. 30' Building Age: **Approx. 10-17 years**

General Description of Building Construction Materials: **Aluminum (exterior)**
Aluminum (building perimeter) and sheet rock (interior rooms)

*Foundation Type: Basement Crawl Space XSlab

Foundation Materials: X Poured Concrete Cinder Blocks Earthen
Wood Other, specify_____

Foundation Wall Material: X Poured Concrete Cinder Blocks Earthen
Wood Stone

Draw in the Floor Plan:

See Figure 7 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

There is no basement in Building 602.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: _____

Is the basement finished? Yes No

Does anyone live in the basement as a primary residence or use the basement daily? Yes No

The basement is generally: Wet Dry Damp

Is there a sump in the basement? Yes No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have a drainage point in floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? Yes

No

If yes, what is the PID/FID/CGI reading? _____

Is the basement sealed with waterproof paint or epoxy coating? Yes No

Does the basement have flooring over the foundation? Yes No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block & Brick **X** Sheet Rock Paneling

Other, Specify **Aluminum**

Is there flooring in the first floor? **X** Yes No

If Yes, what type? Tile Carpet Wood

Pergo Other, Specify Linoleum (Note: concrete floor in area subject to VI.

Are there pipes or utility conduits through the outside walls or floor? Yes **X** No

Not in rooms where VI Investigation samples were collected

If yes, what is the PID/FID/CGI reading? **0.0 parts per million near joints in floor.**

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable)

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block **X** Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? **X** Yes No

If yes, what type? Tile Carpet **X** Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes **X** No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes **X** No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	Electric Baseboard
X Other, specify:	**Natural gas heaters mounted on the ceiling**

What type of fuel(s) are used in the building? (Check all that apply)

X Natural Gas	Electric
Fuel Oil	Wood
Coal	Solar

Other, specify _____

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply) **None observed in area subject to VI Investigation**

X Mechanical Fans	Open Windows
Individual Air Conditioning Units	Kitchen Range Hood
Bathroom Ventilation Fan	Air-to-Air Heat Exchanger
Other, specify	

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event.

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
Other – Glue, oil stains	**North of area subject to VI Investigation**	**No**

G. BUILDING USE:

Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes **X** No If yes, date_____

Is there a septic system? Yes **X** No If yes, date of system_____

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes **X** No

Was recent remodeling or painting done in the building? Yes X No

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? Yes **X** No

Wall paneling and acoustic board

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

_____

Has the building been treated with any insecticides/pesticides? Yes X No

Chemicals used and how often they are applied?_____ **None are currently used; cleaning chemicals may have been used historically.**

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: Grass and asphalt pavement

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? Monitoring wells (see Figure 3)

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?
The join between the concrete slab and the aluminum wall is not airtight; in some areas, there is a gap.

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply):
None observed.

Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? Yes **X** No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	⊗ Other, describe _____

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement			
First Floor		0.0	
Second Floor		0.0	
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT
(to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

Building Evaluation Form Building 699, Main Post (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Residential Government
Now Vacant Office School
Commercial Warehouse
Industrial X Other: **Formerly a convenience store, gas station, and vehicle maintenance garage**

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: 1,200 sq ft** Number of Floors: **Subject to VI: One**

*Ceiling Height: Approx. 15' Building Age: **Approx. 55-65 years**

General Description of Building Construction Materials: **Brick & cinder block (exterior)**

*Foundation Type: Basement Crawl Space X Slab

Foundation Materials: X Poured Concrete Cinder Blocks Earthen
Wood Other, specify____

Foundation Wall Material: X Poured Concrete Cinder Blocks Earthen
Wood Stone

Draw in the Floor Plan:

See Figure 8 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

Building 699 has no basement.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: _____

Is the basement finished? Yes No

Does anyone live in the basement as a primary residence or use the basement daily? Yes No

The basement is generally: Wet Dry Damp

Is there a sump in the basement? Yes No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have a drainage point in floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? Yes

No

If yes, what is the PID/FID/CGI reading? _____

Is the basement sealed with waterproof paint or epoxy coating? Yes No

Does the basement have flooring over the foundation? Yes No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block **X** Sheet Rock Paneling

X Other, Specify **Brick**

Is there flooring in the first floor? **X** Yes No

If Yes, what type? Tile Carpet Wood

Pergo **X** Other, Specify **Linoleum (in convenience store, otherwise concrete slab)**

Are there pipes or utility conduits through the outside walls or floor? **X** Yes No

Floor - exhaust vents, lifts, and a water pipe.

If yes, what is the PID/FID/CGI reading? **0.0 ppm at all features listed above and at joints in concrete.**

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable) Building 699 has no second floor

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? Yes No

If yes, what type? Tile Carpet Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	**X** Electric Baseboard
X Other, specify:	Electric heaters mounted on ceiling

What type of fuel(s) are used in the building? (Check all that apply)

Natural Gas	**X** Electric
Fuel Oil	Wood
Coal	Solar

Other, specify _____

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply) **None observed in area subject to VI Investigation**

Mechanical Fans	Open Windows
Individual Air Conditioning Units	Kitchen Range Hood
Bathroom Ventilation Fan	Air-to-Air Heat Exchanger
Other, specify	

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event.

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
X. Other – Oil stains on floor	Same room as VI sampling	No

G. BUILDING USE:

Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes X No If yes, date_____

Is there a septic system? Yes X No If yes, date of system_____

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No **(Except that the eastern portion of the building was formerly used for vehicle maintenance).**

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes **X** No

Was recent remodeling or painting done in the building? Yes **X**No

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? Yes **X** No

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

_____

Has the building been treated with any insecticides/pesticides? Yes **X** No

Chemicals used and how often they are applied?_____**None are currently used; cleaning chemicals may have been used historically.**_____

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: **Asphalt Pavement**

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? **Monitoring wells (see Figure 8)**

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

_____

_____

_____

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply):

Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? **X** Yes No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	☐

Other, describe Tetrachloroethene, oil staining on concrete slab

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

The release resulted from dry cleaning operations in a building formerly situated adjacent to Building 699. The former building has been demolished and razed. Hydraulic control (pump and treat) is ongoing. A catalytic converter system operates in close proximity to Building 699.

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement			
First Floor		0.0	
Second Floor			
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT
(to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

Building Evaluation Form Building 700, Main Post (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Now Vacant

Residential		Government
X Office (Former)		School
Commercial		Warehouse
Industrial		Other:

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: 4,000 sq ft** Number of Floors: **One**

*Ceiling Height: Approx. 20' Building Age: **Approx. 6-10 years**

General Description of Building Construction Materials: **Brick (exterior), Sheet rock (interior walls)**

*Foundation Type: Basement Crawl Space XSlab

Foundation Materials:	X Poured Concrete	Cinder Blocks	Earthen
	Wood	Other, specify	
Foundation Wall Material:	X Poured Concrete	Cinder Blocks	Earthen
	Wood	Stone	

Draw in the Floor Plan:

See Figure 8 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

Building 700 has no basement.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: _____

Is the basement finished? Yes No

Does anyone live in the basement as a primary residence or use the basement daily? Yes No

The basement is generally: Wet Dry Damp

Is there a sump in the basement? Yes No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have a drainage point in floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? Yes No

If yes, what is the PID/FID/CGI reading? _____

Is the basement sealed with waterproof paint or epoxy coating? Yes No

Does the basement have flooring over the foundation? Yes No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block **X** Sheet Rock Paneling

X Other, Specify **Brick**

Is there flooring in the first floor? **X** Yes No

If Yes, what type? Tile **X** Carpet Wood

Pergo Other, Specify_____

Are there pipes or utility conduits through the outside walls or floor? **X** Yes No

Floor - geothermal heating, electric conduit channeled through floor.

If yes, what is the PID/FID/CGI reading? **0.0 ppm at all features listed above.**

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable) Building 700 has no second floor

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? Yes No

If yes, what type? Tile Carpet Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	Electric Baseboard

X Other, specify: Hot water heaters from geothermal source.

What type of fuel(s) are used in the building? (Check all that apply)

Natural Gas	Electric
Fuel Oil	Wood
Coal	Solar

X Other, specify **Geothermal**

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply) **None observed in area subject to VI Investigation**

Mechanical Fans
Individual Air Conditioning Units
Bathroom Ventilation Fan
Other, specify

Open Windows
Kitchen Range Hood
Air-to-Air Heat Exchanger

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event. **None observed in areas subject to the VI Investigation.**

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
X. Other – Oil stains on floor	Same room as VI sampling	No

G. BUILDING USE:

Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes X No If yes, date_____

Is there a septic system? Yes X No If yes, date of system_____

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes X No

Was recent remodeling or painting done in the building? Yes XNo

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? Yes X No

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

_____

Has the building been treated with any insecticides/pesticides? Yes X No

Chemicals used and how often they are applied? **None are currently used; cleaning chemicals may have been used historically.**

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: Grass

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? Monitoring wells (see Figure 8)

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

_____

_____

_____

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply):

X Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? **X** Yes No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	

Other, describe Tetrachloroethene

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

The release resulted from dry cleaning operations in a building formerly situated within and adjacent to the footprint of Building 700. The former building has been demolished and razed. Hydraulic control (pump and treat) is ongoing. A catalytic converter system operates in close proximity to Building 699.

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement			
First Floor		0.0	
Second Floor			
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT (to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

Building Evaluation Form Building 1001, Main Post (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Residential Government
Now Vacant Office (Former) School
Commercial Warehouse
Industrial X Other: Former dining room/mess hall

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: Maximum 500 sq ft** Number of Floors: **One**

*Ceiling Height: Approx. 12' Building Age: **Approx. 43-49 years**

General Description of Building Construction Materials: **Cinder block exterior walls covered in places with steel sheeting. Interior walls are tile and mortar or sheet rock.**

*Foundation Type: Basement Crawl Space XSlab

Foundation Materials: X Poured Concrete Cinder Blocks Earthen
Wood X Other, specify I-beams

Foundation Wall Material: Poured Concrete X Cinder Blocks Earthen
Wood Stone

Draw in the Floor Plan:

See Figure 9 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

Building 1001 has no basement.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: _____

Is the basement finished? Yes No

Does anyone live in the basement as a primary residence or use the basement daily? Yes No

The basement is generally: Wet Dry Damp

Is there a sump in the basement? Yes No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have a drainage point in floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? Yes No

If yes, what is the PID/FID/CGI reading? _____

Is the basement sealed with waterproof paint or epoxy coating? Yes No

Does the basement have flooring over the foundation? Yes No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? **X** Cinder Block **X** Sheet Rock Paneling

X Other, Specify **Tile & mortar (interior) and some exterior walls covered with steel sheeting**

Is there flooring in the first floor? **X** Yes No

If Yes, what type? **X** Tile Carpet Wood

Pergo Other, Specify_____

Are there pipes or utility conduits through the outside walls or floor? **X** Yes No

Floor - Floor drains, cleanouts, water pipes, and electrical conduit.

If yes, what is the PID/FID/CGI reading? **0.0 ppm at all features listed above.**

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable)

Building 1001 has no second floor

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? Yes No

If yes, what type? Tile Carpet Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	**X** Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	Electric Baseboard

Other, specify: _____

What type of fuel(s) are used in the building? (Check all that apply)

X Natural Gas	Electric
Fuel Oil	Wood
Coal	Solar

Other, specify _____

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply) **None observed in area subject to VI Investigation**

Mechanical Fans	Open Windows
Individual Air Conditioning Units	Kitchen Range Hood
Bathroom Ventilation Fan	Air-to-Air Heat Exchanger
Other, specify	

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event. **None observed in areas subject to the VI Investigation.**

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
Other		

G. BUILDING USE:

Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes X No If yes, date_____

Is there a septic system? Yes X No If yes, date of system_____

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes X No

Was recent remodeling or painting done in the building? Yes XNo

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? Yes X No

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

_____

Has the building been treated with any insecticides/pesticides? Yes X No

Chemicals used and how often they are applied? **None are currently used; cleaning chemicals may have been used historically.**

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: Grass, asphalt pavement

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? Monitoring wells (see Figure 9)

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

A loading dock is present on the southeastern side of the building. As the building slab is situated at an elevation higher than the driveway to the loading dock, there may be void space beneath a portion of Building 1001, the slab of Building 1001 may thicken towards the loading dock, or land surface may rise away from the loading dock.

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply):

Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? Yes No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	☐

Other, describe _____

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement			
First Floor		0.0	
Second Floor			
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT
(to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

Building Evaluation Form Building 2700, Charles Wood Area (Note: Information only for areas subject to VI Investigation)

Address: United States Army Fort Monmouth, Oceanport, New Jersey Date: 27 February 2012

Occupant Name: Vacant Phone: Not Applicable

Owner's Name: United States Army Phone: See Point of Contact

Owner's Address: P.O. Box 148, Oceanport, New Jersey

Point of Contact: Ms. Wanda Green Phone: 732-380-7064

Contact Information: Property owner requested the investigation. NJDEP notified on 22 February 2012

Conducted By: Ms. Wanda Green Company: OACSIM US Army Ft. Monmouth

A. GENERAL BUILDING INFORMATION

Provides information on building construction that will be used to identify possible points of VI (including preferential pathways) and documents the rationale for selecting sample locations.
(* Denotes information used in the EPA Spreadsheet Model.)

Building Type/Use: Now Vacant

Residential		Government
Office		School
Commercial		Warehouse
Industrial		**X** Other: **Auditorium**

Number of Occupants: Adults____ Infants____ Children 1-6____ Children 6-15____ N/A - vacant

*Area of Building Footprint: **Subject to VI: 3,500 sq ft** Number of Floors: **Subject to VI: Two**

*Ceiling Height: Approx. 30' Building Age: **Approx. 53-62 years**

General Description of Building Construction Materials: **Cinder block walls with wood paneling in areas. Elevated wooden stage approx. 3.5' above adjacent concrete floor. Auditorium is pitched towards stage and is widest at end furthest from stage.**

*Foundation Type: Basement **X** Crawl Space Slab

Foundation Materials:	Poured Concrete	Cinder Blocks	**X** Earthen
	Wood	Other, specify	
Foundation Wall Material:	Poured Concrete	**X** Cinder Blocks	Earthen
	Wood	Stone	

Draw in the Floor Plan:

See Figure 10 of VI Investigation Report for a Plan View of the Area Subject to the VI Investigation

If there is a basement, please answer questions in Section B. If there is not a basement, skip to Section C.

B. BASEMENT INFORMATION

Provides information regarding VI and the potential for groundwater intrusion into basement, as well as documents human activity patterns (e.g., sleeping in the basement) that should be used to determine where samples should be collected.

(* Denotes information used in the EPA Spreadsheet Model.)

*Depth of basement or crawl space: **Approx. 4-8'**

Is the basement finished? Yes **X** No

Does anyone live in the basement as a primary residence or use the basement daily? Yes **X** No

The basement is generally: Wet **X** Dry Damp

Is there a sump in the basement? Yes **X** No

If yes, please describe the size, the construction, where it is located and whether or not there is a sump pump and how it is activated.

_____

_____

_____

Does the basement have cracks? Yes **X** No

If yes, what is the PID/FID/CGI reading? Earthen – No PID reading above background at access points

Does the basement have a drainage point in floor? Yes **X** No

If yes, what is the PID/FID/CGI reading? _____

Does the basement have pipes or utility conduits through floor or outside walls? **X** Yes

No

If yes, what is the PID/FID/CGI reading? **Numerous utility pipes, so background PID at access points was deemed to be sufficient.**

Is the basement sealed with waterproof paint or epoxy coating? Yes **X** No

Does the basement have flooring over the foundation? Yes **X** No

If yes, what type? Tile Carpet Wood

Pergo Other, specify _____

Are there odors in the basement? Yes **X** No

If yes, describe: _____

C. FIRST FLOOR INFORMATION

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? **X** Cinder Block Sheet Rock Paneling

X Other, Specify **Interior walls have wooden paneling for acoustics.**

Is there flooring in the first floor? **X** Yes No

If Yes, what type? Tile **X** Carpet Wood

Pergo **X** Other, Specify **Concrete slab**

Are there pipes or utility conduits through the outside walls or floor? Yes **X** No

If yes, what is the PID/FID/CGI reading?

Are there odors on the first floor? Yes **X** No If yes, describe _____

D. SECOND FLOOR INFORMATION (if applicable) Building 2700 has no second floor in the area subject to the VI Investigation.

Provides information on building construction and human activity patterns to be used to determine where samples should be collected.

What are the walls constructed of? Cinder Block Sheet Rock Paneling

Other, specify _____

Is there flooring in the second floor? Yes No

If yes, what type? Tile Carpet Wood

_____ Pergo Other, specify

Are there pipes or utility conduits through the outside walls or floor? Yes No

If yes, what is the PID/FID/CGI reading? _____

Are there odors on the second floor? Yes No

If yes, describe _____

E. HEATING AND VENTILATION SYSTEMS

Provides information on the type of heating and ventilation system used in the structure to help identify potential indoor and outdoor contaminant sources, as well as provides information to assist with data interpretation.

What type of heating system(s) are used in the building? (Check all that apply)

Heat Pump/Furnace	**X** Hot Air Radiation
Steam Radiation	Unvented Kerosene Heater
Wood Stove	Electric Baseboard

Other, specify: _____

What type of fuel(s) are used in the building? (Check all that apply)

Natural Gas	Electric
X Fuel Oil	Wood
Coal	Solar

Other, specify _____

What type of mechanical ventilation systems are present and/or currently operating in the building? (Check all that apply)

Mechanical Fans	Open Windows
Individual Air Conditioning Units	Kitchen Range Hood
Bathroom Ventilation Fan	Air-to-Air Heat Exchanger
X Other, specify: **Ceiling fans**	

F. POTENTIAL SOURCES OF INDOOR CHEMICALS:

Helps identify typical sources of indoor air contamination that may be found in the building (including attached garages), and documents whether the item was removed from the building prior to the sampling event. **None observed in areas subject to the VI Investigation.**

Which of these items are present in the building? (Check all that apply)

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Paints		
Gas-powered equipment		
Gasoline storage cans		
Cleaning solvents (thinner)		
Air fresheners		
Oven cleaners		
Carpet / Upholstery cleaners		
Hairspray		
Nail polish / Polish remover		
Bathroom cleaner		
Appliance cleaner		
Furniture / Floor polish		
Mothballs		
Fuel tank		
Woodstove		
Fireplace		
Perfume / Colognes		
Hobby supplies (e.g., solvents, paints, lacquers, glues, photographic darkroom chemicals)		
Scented trees, wreaths, potpourri, etc.		

Potential VOC Source	Location of Source	Removed at least 24 hours prior to sampling (Yes/No/NA)
Polish / Wax		
Insecticide / Pesticide		
Kerosene		
Other		

G. BUILDING USE:

Provides miscellaneous information about human activities and building construction that may assist in the data interpretation and identification of indoor and outdoor contaminant sources.

Is there standing water in the building (historic or current)? Yes X No

Is there water damage in the building (historic or current)? Yes X No

Is there fire damage to the building? Yes X No If yes, date_____

Is there a septic system? X Yes No If yes, date of system Although not a septic system, a wastewater treatment lime pit that is believed to be as old as Building 2700 was formerly situated to the southeast of the area subject to the VI Investigation.

Do one or more smokers occupy this building on a regular basis? Yes X No

Has anybody smoked in the building in the last 48 hours? Yes X No

Does the building have an attached garage? Yes X No

If so, is a car usually parked in the garage? Yes No

Do the occupants of the building frequently have their clothes dry-cleaned? Yes X No

Was recent remodeling or painting done in the building? Yes XNo

Date: _____ Location: _____ Activity:

_____

Are there any pressed wood products in the building (e.g., hardwood, plywood, wall paneling, particleboard, fiberboard)? X Yes No

Are there new furniture, upholstery, drapes, or other textiles in the building? Yes X No

Date: _____ Location: _____ Item(s):

Has the building been treated with any insecticides/pesticides? Yes X No

Chemicals used and how often they are applied?_____**None are currently used; cleaning chemicals may have been used historically.**_____

Do any of the occupants apply pesticides/herbicides in the yard or garden? Yes **X** No

If yes, what chemicals are used and how often are they applied?_____

Type of ground cover (e.g., grass, pavement, etc.) outside the building: Grass

Is there a well on the property? **X** Yes No

If yes, what is it used for and where is it screened? Monitoring and recovery wells (see Figure 10)

Is there any other information about the structural features of this building, the habits of its occupants or potential sources of constituent contaminants to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

At least three access points exist from the crawl space to the first floor of the auditorium. Sampling locations were selected to be as distant as possible from these access points.

H. OTHER POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINATION

Helps identify typical sources of background indoor air contamination that may be found in the building or outside the building, and includes a table to document the results of portable field screening measurements. A portable photo-ionization detector (PID) can be used to identify individual cans of solvents that should be removed prior to the sampling event or to identify VI points and help with on-site decisions regarding sample placement.

Outdoor Sources of Contamination (check all that apply):

Garbage Dumpsters	Heavy Motor Traffic
Loading Dock In Use	Construction Activities
Airport Flight Path	Railyard / Railcar Traffic

Nearby Industries, specify _____

UST/AST (gasoline / heating fuel / other, specify _____)

Is there a known spill or release outside or inside the building? **X** Yes No

If yes, was it:

Oil	Natural Gas
Kerosene	Heating Oil
Used Vehicle Oil	Solvents
Pesticide / Insecticide	☐

X Other, describe Wastewater, which is known to have included chlorinated solvents.

Describe any additional information about the release (amount, when it occurred, action taken to clean up, etc):

The volume is unknown. The release is believed to be from the wastewater treatment lime pit and/or associated subsurface pipes. The release date is between the 1950s (building construction) and 1980s (cessation of the wastewater treatment system). Pump and treat actions were taken until recently. These actions were for hydraulic control and groundwater remediation. Other remedial measures are being evaluated.

I. BUILDING SCREENING RESULTS (PID/FID/CGI)

Location	FID (ppm)	PID (ppm)	CGI (%)
Basement		**0.0**	
First Floor		**0.0**	
Second Floor			
Other			

PID – photo-ionization detector; FID – flame ionization detector; CGI – combustible gas indicator.

Note: Data measured using a Photoionization detector (PID) with an 11.7 electron-Volt lamp.

INSTRUCTIONS FOR OCCUPANTS OF BUILDING PRIOR TO SAMPLING EVENT
(to be followed starting at least 24 hours prior to and during the sampling event)

- Operate furnace and whole house air-conditioner as appropriate for current weather conditions.
- Do not keep doors open.
- Do not use air fresheners or odor eliminators.
- Do not smoke in the house.
- Do not use wood stoves, fireplace or auxiliary heating equipment (e.g., kerosene heater).
- Do not use paints or varnishes.
- Do not use cleaning products (e.g., bathroom cleaners, furniture polish, appliance cleaners, all-purpose cleaners, floor cleaners).
- Do not use cosmetics, including hair spray, nail polish, nail polish remover, perfume, etc.
- Do not partake in indoor hobbies that use solvents.
- Do not apply pesticides.
- Do not store containers of gasoline, oil, petroleum-based or other solvents, within the house or attached garage (except for fuel oil tanks).
- Do not operate or store automobiles in an attached garage.

LEAK TESTING

Date	Time	LocID	Ambient PID	Ambient He
3/6/12	11:52	SS-1	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
13.9%	3 ft	200 mL	0.25%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/6/12	12:22	SS-2	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
14.0%	3 ft	200 mL	0.5%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/6/12	13:07	SS-3	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
10.7%	3 ft	200 mL	0.15%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/6/12	14:21	SS-11	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
14.2%	3 ft	200 mL	0.09%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/6/12	16:39	SS-12	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
13.9%	3 ft	200 mL	0.16%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	10:55	SS-6	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
12.7%	3 ft	200 mL	0.11%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	12:02	SS-7	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
12.1%	3 ft	200 mL	0.1525%	
Comments				

Length (feet)	Volume Purge Vol (mL)
1	21.74
2	43.49
3	65.23
4	86.97
5	108.72
6	130.46
7	152.20
8	173.95
9	195.69
10	217.44

Notes:

LEAK TESTING

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	13:16	SS-8	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
13.1%	3 ft		200 mL	0.155%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	13:54	SS-9	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
12.8%	3 ft		200 mL	0.0%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	14:38	SS-10	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
11.2%	3 ft		200 mL	0.07%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	13:16	SS-DUP-1 (SS-8)	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
13.1%	3 ft		200 mL	0.155%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	16:40	SS-13	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
11.8%	3 ft		200 mL	0.0%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	17:09	SS-14	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
21.7%	3 ft		200 mL	0.0%
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	17:51	SS-15	0.0 ppm	0.0%
He under Shroud	Length of Probe + Tubing		Amount Purged	He from Probe
13.4%	3 ft		200 mL	0.0%
Comments				

Length (feet)	Volume Purge Vol (mL)
1	21.74
2	43.49
3	65.23
4	86.97
5	108.72
6	130.46
7	152.20
8	173.95
9	195.69
10	217.44

Notes:

LEAK TESTING

Date	Time	LocID	Ambient PID	Ambient He
3/8/12	16:40	SS-DUP-2 (SS-13)	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
11.8%	3 ft	200 mL	0.0%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/30/12	15:14	SS-4	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
12.3%	3 ft	200 mL	0.0%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
3/30/12	16:34	SS-5	0.0 ppm	0.0%
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
14.8%	3 ft	200 mL	0.0%	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
Comments				

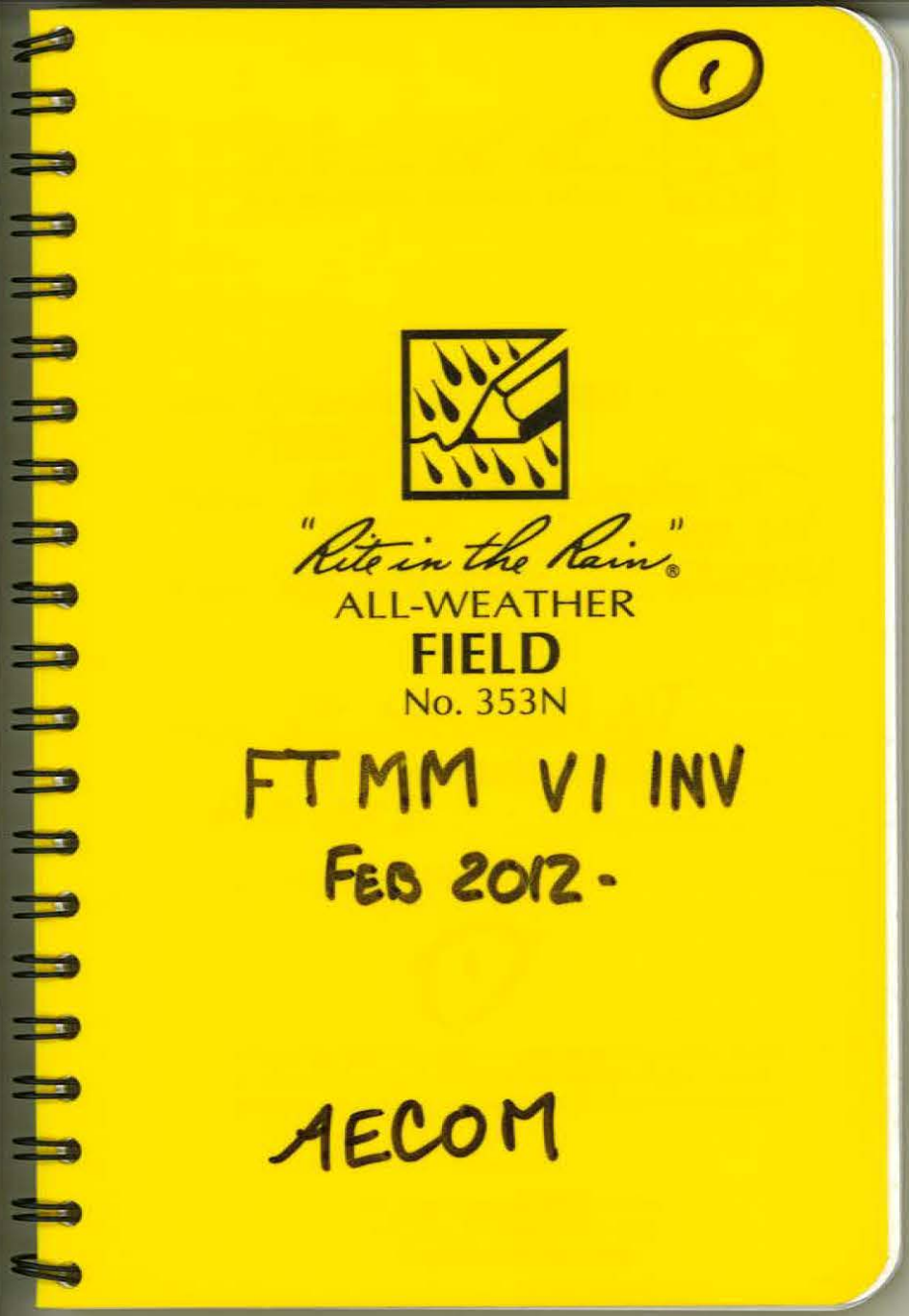
Date	Time	LocID	Ambient PID	Ambient He
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
Comments				

Date	Time	LocID	Ambient PID	Ambient He
He under Shroud	**Length of Probe + Tubing**	**Amount Purged**	**He from Probe**	
Comments				

Length (feet)	Volume Purge Vol (mL)
1	21.74
2	43.49
3	65.23
4	86.97
5	108.72
6	130.46
7	152.20
8	173.95
9	195.69
10	217.44

Notes:

This page intentionally left blank.


1
"Rite in the Rain"®
ALL-WEATHER
FIELD
No. 353N
FT MM VI INV
FEB 2012 -
AECOM

CONTENTS

PAGE	REFERENCE	DATE
1.	Sunday - Mob day	02.26.12
2.	Sick walk & de. mob 1001 &	02.27.12.
10.	IA Sampling @ Bldg 283, 602	03.05.12
14	~~IA Sampling~~ Leak Testing @ Bldg 283,	03.06.12
~~17~~	1001 + 602 + SS sampling	~~03.07.12~~
19	IA Sampling at Bldg 699 700, 2700	03.07.12
22	Leak Test + Then SS Sampling at Bldgs 699, 700 + 2700	03.08.12
28	Resample	03.30.12

FTMM VI Stodey

Sunday 26 Feb 2012.
WEATHER · Clear, sunny, 50°
ACTIVITY. Mob to FTMM.
CREW: E Lawn of AECOM.
EQUIPMENT: POV VA lic # XAX7038
1430 Mob to FTMM
Starting mileage 3003.
Tolls @ 267
Balt Harbor Tunnel
MD
DE Newark
No toll Northbound De Memorial
1845 Arrive Staybridge Hotel.
End of Log

02.26.12

FTMM VI Study

Monday ~~Sunday~~ 27 FEB 2012

WEATHER: Clear, sunny, Temps 43-58°, winds light - variable

ACTIVITY: Site walk

CREW: E Larsen of AECOM, G Clark of BUNA, R. Youhasi (FTMM cont).

EQUIPMENT: PID MiniRAE 3000, SN# (see calibration form).

0830 depart hotel for meeting place

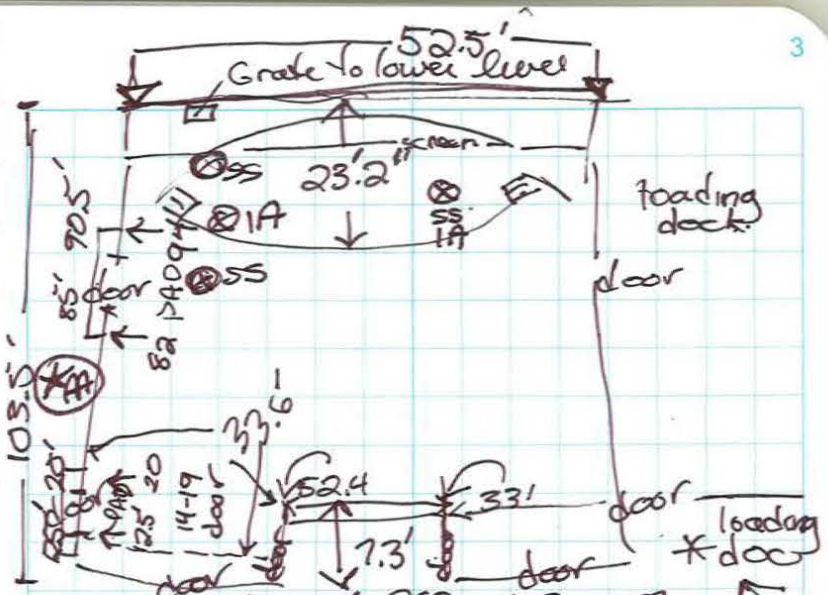
0900 - GC + R at FTMM entrance go to meet - GC is calibrating the PID (See cal form)

0910 Mob to Charlestwood Area to locate sampling locations in Bldg 2700.

Slab on grade, pump-n-treat off for ~1 yr - DTW 8-12' bgs when pumping down to ~50' bgs (~30' below bldg) For this location.

Fill out building eval form.

~~Auto~~ - think the floor is below the floor of Autoclaves - locate back Room w/ lower floor.



ambient PID 0.0ppm.

Bldg. 2700

NOTE - we located a room beneath the stage - access from here beneath - 1 floor down. we identified a crawl space that appears to be beneath the stage + this is a confined space - locate 3 sub-slabs in crawl space plus the 2 indoor airs - the ambient air will be taken between the doors see (AA*)

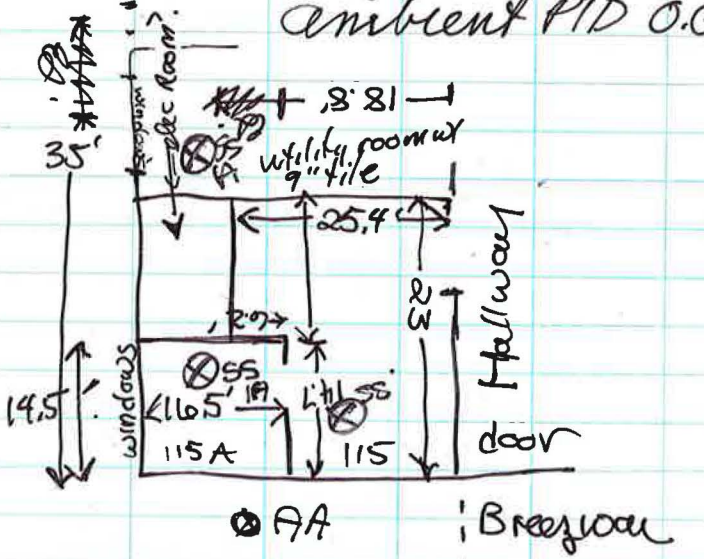
Vacant bldg - w/ crawl space no locations in Autoclaves

FTMM VI Study

1125 Mob to next - go back to FTMM Base

1145 at Bldg 283

Pass through breezeway. ambient PID 0.0ppm



Room 115A SS+1A

115 SS

117 SS+1A (Refridgerator Room.

↳ Break Room w/ Fridg.

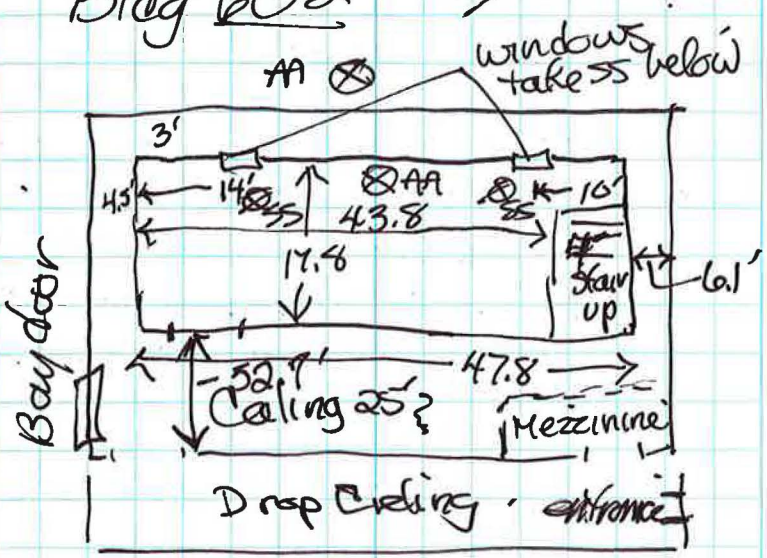
1300 Mob to next. Bldg 602

Go locate panels on that building - discuss Bldg 675.

02.27.12

Bldg 602

→ Bldg 675



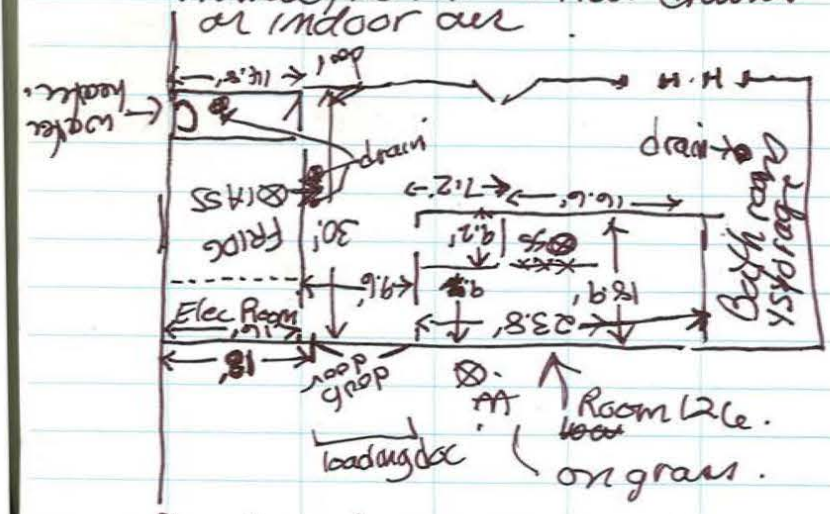
2 SoB-Stabs below windows in inside room - take 1A between the SS points. NO PID hits in this location. HVAC is working. Slab on grade.

1355 Check Bldg 675 a temp like bldg - trailer mold issue inside appears to be vented beneath Bldg 676 (2 floors on concrete

FT MM #1 Study

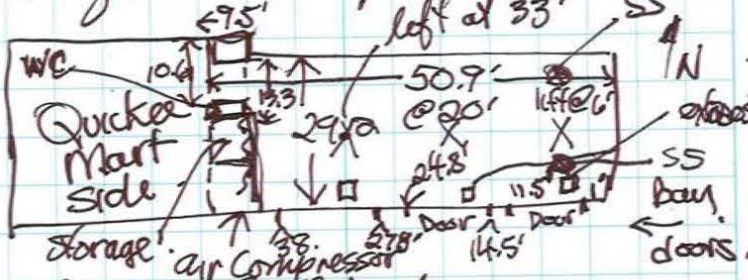
slab; Bldg 677 - one floor on slab - offices.
These buildings are not in the scope - but for future reference - NOTE: will put the Ambient sens outside where the 2 S.S windows are on grass - see diag prev. pg.

1410 Go to bldg 1001 - PX.
Slab on grade, no PID hits inside, NO PID on floor drains or indoor air.



Ambient on grass just outside

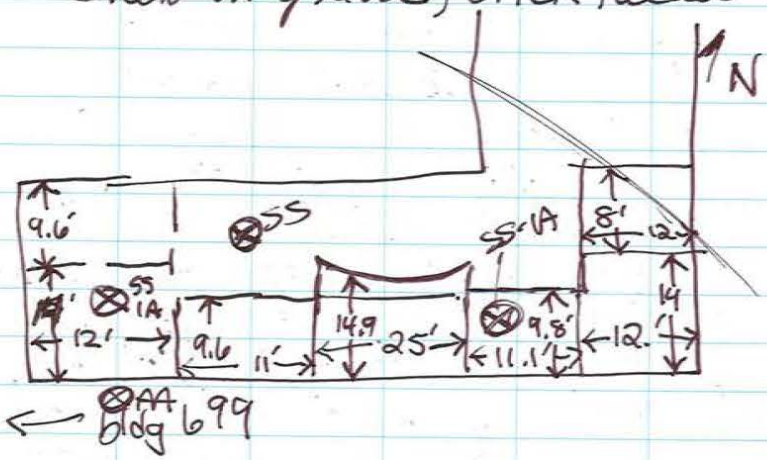
1500 Mob to Bldgs 699 & 700
Bldg 699 - Gas Station w/ Quickee Mart - The unpacked side is on the Gas Station side - 3 bays w/ car lifts Open - Slab on grade w/ lifts & "Exhaust vents" at floor on bay door side.



All floor penetrations 0.0 ppm
In Compressor Room. oil stains on floor.
The room has a musty odor.
The Sub slabs will be taken approx 9ft W of E wall and 5' from bldg edge to N & S.
Due to use of building & future use - this building may not be an RI issue -

FTMM VI Study

Building 700 - The entire footprint is within the well contam radius. This is a recreation office. Slab on grade, brick facad?



Ambient Air between wells S of Bldg 700 the SW corner. OK - all locations located — Rob will send out maps & floor plans & check into the confined space @ 700 - Liz need to confirm w/ SL. Request from Rob - Plume maps for base.

02.27.12

GC asks about hours on base for work (escorts) - ~0730 - 1630 - but flexible ~~1500~~. Discuss logistics for next week - GC considers pushing sampling back to ~~eo~~ & consider review of moves with Bldg 675/676/677 and ~~699~~ 602 and the confined space sampling in Bldg 700 -

1730 Depart FTMM Base - Mob to VA

2130 at Va - End of Log

mileage begin 3003

mileage end 3498

Total driven 495 miles

Last Entry

02.27.12

2012-MAR-04/SUN

DRIVE DOV FROM ATLANTIC CITY TO STRATBROOKE SUITES IN EATONTOWN, NJ

2012-MAR-05/MON

WEATHER: CLEAR 30's @ 0700

0700 DEPART STRATBROOKE

0719 ARRIVE @ LOT NEAR CREDIT UNION + SECURITY TRAILER

0758 CALL TO GEOFF CLARK - EN ROUTE N5 MW.

0805 GEOFF ARRIVE - PROCEED TO GATE

0810 CONDUCT TAILGATE BRIEFING MTG. ON EVACUATION ROUTE AND ACKNOWLEDGE APPISSHP

NO815 ESCORT ARRIVE - WANDA

0830-0915 @ BLDG 283 SAUER HALL

BLDG 283 OUTDOOR/AMBIENT

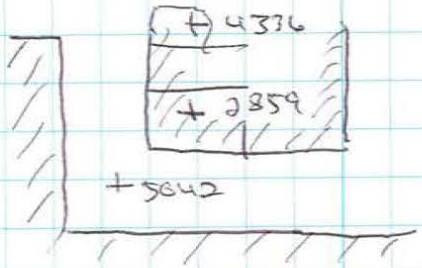
CAN # 5042, ~~BATCH~~ # 4873 CKQC, SERIAL # 8031, LAB PRESSURE -28.9, REGULATOR ID 3449

INITIAL PRESSURE < -30 mmHg, OPEN 0914

BLDG 283 INDOOR

CAN # 4336, BATCH 3686 CKQC, SERIAL # 6700, LAB PRESSURE -29.4, REGULATOR ID 5251

INITIAL PRESSURE -29 mmHg, OPEN 0912



BLDG 283 INDOOR

CAN # 2859, BATCH ~~4873~~ CKQC, ~~SERIAL #~~

LAB PRESSURE -28.9, REGULATOR ID 3938

INITIAL PRESSURE < -30 mmHg, OPEN 0914

SETTING TEFLON TUBE FOR INDOOR AIR @ 5' ABOVE FLOOR U.O.N.

0920-0926 Bldg 602

WEATHER STATION BAR 29.94, 55°F, H.I. 17

@ 0923

WIDRA NOTIFIED NATURAL GAS ODOR IN BLDG - NOTIFIED RESPONDER ON SCENE - MOVE TO NEXT BLDG.

~5 MIN. DELAY @ 1001 DUE TO LOCK KEY

0938 - ~1010 Bldg 1001

Bldg 1001 @ FLOOR DRAIN (1st ABOVE)

CAN # 2879, BATCH 5045 CKQD, SERIAL # 5538, LAB PRESSURE -28.9, REGULATOR # 3130, INITIAL PRESSURE -25, OPEN @

Bldg 1001 AMBIENT

CAN # 4460, BATCH 5045 CKQD, ~~SER~~, LAB PRESSURE -28.9, REGULATOR # 2935 INITIAL PRESSURE -30, OPEN @ 1009

WEATHER: 41°F, 29.95 PR, 40% HI

~~#5m~~

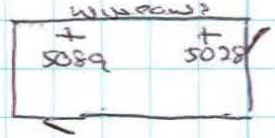
1016-1045 Bldg 602

@Bldg 602,

CAN 5089, BATCH 5045 CKQD, SERIAL # C8631, REGULATOR # 3530, LAB PRESSURE -28.9, INITIAL PRESSURE -28, OPEN @ 1050

Bldg 602

CAN # ~~5089~~ 5038, BATCH 5045 CKQD, SERIAL # ~~C8631~~ 7343, REGULATOR # ~~3530~~ 3099, LAB PRESSURE -28.9, INITIAL PRESSURE ~~-28~~ -29, OPEN @ 1050



Bldg 602 AMBIENT

CAN # 5083, BATCH 4873 CKQC, SERIAL # C8617, REGULATOR # 4035, LAB PRESSURE -28.9, INITIAL PRESSURE -28, OPEN @ 1048

WEATHER: 63°F, 29.97 BR, HI 2C %

CHECK STATIONS:

283 #4336 => -7.5
#2859 => -2.6
#5042 => -2.2
} ~1100

1001 #4460 => -29.2 @ 1105
#2879 => -1.6 @ 1104

602 #5083 => -28.2 @ 1117
#5089 => -28 @ 1118
#5038 => -11 @ 1118

283 # 4336 => -4.1 @ 1134
5042 => -2 @ 1137
602 # 5083 => 27.5 @ 1155
5089 => -26 @ 1157
5028 => -1 @ 1158 CLOSE
283 # 5042 => -3 @ 1208
4336 => -2.2 @ 1211, SAME @ 1230
4336 => -1.1 @ 1307 CLOSE

GEOCC INQUIRE ABOUT 4' DRILL BIT
(-)+)
283 # 5042 => -1.8 @ 1310, CLOSE

SITE ADDRESS: 8100 BOSTON AVE
BRIGANTINE 07737

1325 DEPART FTMM
1410-1505 PRINTING APP/SSHP COPY @
FEDEX OFFICE $36.83

2012-MAR-04/TUE

0730 ARRIVE @ FTMM GATE. MEET
GEORGE, ALICE

0740 CONDUCT TAILGATE SAFETY MTG.
ON TRAFFIC SAFETY AND DRIVING ON
BASE - ALICE WARNED OF CELL PHONE USE
WHILE DRIVING
PROCEED TO CHECK WOOD AIR AND
WEATHER 30's, CLEAR, LOW WIND

602 # 5083 => -3 @ 0753
5089 => 0- @ 0754 CLOSE
283 # 2859 => -7 @ 0804
1001 # 4460 => -2 @ 0815
2879 => +2 @ 0816 CLOSE
WAIT FOR GW # 2859 TO REACH 24 HR.
WHILE MEASURING LOCATIONS
2859 => CLOSE @ 0911, -6-
1001 # 4460 => -1- @ 0934 CLOSE
LOCATED 18' FROM NE CORNER ON SE SIDE
602 # 5083 => 0- CLOSE @ 0949
LOCATED 9' FROM SE CORNER ON E SIDE
WEATHER: @ 0955, 39°, 41% HI, BM 30.55

1000 START PROD FOR SUSSLAB

BLDG 283-3 SUBSLAB LOCATIONS

REMOVE CARPET & SLAB AND SCRAPER UP MASTIC AS POSSIBLE

GC PREP He LEAK PROBE

BK PREP MULTI-RAE / PUMP ID 18297

100 PPM ISOBUTYLENE LOT G428FD11 EXP. 06/2015 ⇒ 0.3/98.9

O_2/LEL/H_2S/CO ⇒ LOT BAM-412P-1 EXP 04/2013

LOCATION #1, BLDG 283, SLAB 0.8', OUTER ROOM @ BLDG CORNER

CO 1, VOC 0.4, O_2 20.9%, LEL 0, H_2S 0

LEAK TEST @ 0.25% IN BOOTH @ 13.5% IN BUCKET AFTER FAILING TEST AND RE-PACKING SEAL W/ PLAY-DOUGH

OPEN @ 1152, CAN #4777, BATCH 48T2CKQC, SERIAL # 7800, REGULATOR # 4M64, INITIAL PRESSURE -30-

CLOSE @ 1222, END PRESSURE -1-

LOCATION #2, BLDG 283, SLAB 0.8', INNER RM.

LEAK TEST MODIFIED TO BLDG BOREHOLE TUBE TUBE BUCKET TOP ⇒ 0.5%/14.0%.

OPEN @ 1222, INITIAL PRESSURE -30-

CAN #3521, BATCH 5045CKQD, GAS PRESSURE -28.9, SERIAL # 1649, REGULATOR #4710

CO 3, VOC 0.7, O_2 20.2%, H_2S 0, LEL 0

CLOSE @ 1252/ -4+

LOCATION #3, BLDG 283, SLAB 0.8', BCKGRM.

CAN #3602, BATCH 48T2CKQC, GAS PRESSURE -28.9, REGULATOR # 4M11, INITIAL PRESSURE -30-

LEAK TEST 0.01%/13.2%

CO 4, VOC 0.0, H_2S 0, LEL 0, O_2 21.6%

OPEN @ 1307, CLOSE @ 1321 ⇒ -1+

LOCATION #4, BLDG 602 BTWN. WOOD SHAKES

CAN #5157, CONTROLLER 5011, SERIAL # C85 88

BATCH 48T0CKQC, GAS PRESSURE -28.9,

LEAK TEST 0.32%/13.6%.

CO 2, LEL 0, H_2S 0, VOC 0.3, O_2 22.5%.

OPEN @ 1421/-30, CLOSE @ 1451/-3

LOCATION #5, BLDG 100 IN ROOM
LEAK TEST <0.01 1./11.31
CAN #4149, CONTROLLER 5293, BATCH 4872CKGC, LAB PRESSURE -28.9,
CO 0, VOC 0.4, H_2S 0, LEL 0, O_2 19.9%.
OPEN @1552 / -30-, CLOSE @1622 / -1-

LOCATION #6, BLDG 100 IN WALL
3 ATTEMPTS NEAR DRAIN DID NOT PENETRATE SLAB, CAN #4835, BATCH 5045CKGD, LAB PRESSURE -28.9, CONTROLLER 4599,
LEAK TEST ⇒ 0/12.5%
CAN FAILED UPON OPEN - DISCARD & REPLACE
CAN #3784, BATCH 4872CKGC, CONTROLLER 4? MS (CAN'T READ FROM LABEL, 2ND#)
LAB PRESSURE -28.9
CO 0, VOC 0.2, H_2S 0, LEL 0, O_2 20.3%
OPEN @1639 / -29, CLOSE @1709 / -6

1710 DESERT SITE

2012-MAR-07 / WED

0810 DRIVE @ FTMM - MEET GEOFF, ALICE, GEORGE
PROCEED TO AAFES STATION / BLDG 699
0815 CONDUCT TAILGATE SAFETY MTG. ON PPE

BLDG. 699 / AAFES STATION

- WDOOR, CAN #4281, BATCH 4872CKGC, LAB PRESSURE -28.9, REGULATOR #3742, LOCATED ~ 6' FROM CORNER ABOVE GUTTER DIDE DRN. ~0.9' ABOVE FLOOR
INITIAL PRESSURE -29 @ 0848
- AMBIENT, CAN # 3028, BATCH 3620CKGE, REGULATOR #5222, LAB PRESSURE -29.1 LOCATED BEHIND & BTWN BLDG 700 & 699 ~ 4' FROM WHITE FENCE, INITIAL PRESSURE -30 - / 0917
DUP. CAN # 4909, BATCH 3620CKGE, REGULATOR # 3959, LAB PRESSURE -29.1
INITIAL PRESSURE -30 - / 0917, CLOSE 0956 / 0 - (LEAST DEPRESSURE)

BLDG 700 - 2 INDOOR + 1 DUP.

- CAN # 2592, BATCH 3600 CKQE, REGULATOR # 3168, LAB PRESSURE -29.1, SERIAL # 5615, INITIAL PRESSURE -27 - 1094 1
- DUP. CAN # 4129, BATCH 3600 CKQE, REGULATOR # 4522, LAB PRESSURE -29.1, SERIAL # 6434, INITIAL PRESSURE -30 - 1094 1
  LOCATED CORNER BACK CLOSE TO 699 N 18' FROM BACK WALL
- CAN # 5096, BATCH 3600 CKQE, REGULATOR 5226, SERIAL # C8571, LAB PRESSURE -29.1, INITIAL PRESSURE -30 / 0951
  LOCATED MID-L SIDE APX. 19' FROM BACK WALL & R SIDE

CHECK CAN # 4909 (AMBIENT DUP.) @ 0956, PRESSURE @ 0 - => CLOSE AND DISPOSE NEW CAN
=> CAN # 3035, BATCH 3600 CKQE, REGULATOR 3940, LAB PRESSURE -29.1, SERIAL # 5813, INITIAL PRESSURE -30 - / 1004

BLDG. 2700 @ AUDITORIUM CW CAMPUS

- CAN # 3866, BATCH 5045 CKQD, SERIAL # 5487, REGULATOR # 3451, LAB PRESSURE -28.9, INITIAL PRESSURE -30 / 1110
- CAN # 4094, BATCH 5045 CKQD, ~~SERIAL #~~ REGULATOR 3064, LAB PRESSURE -28.9, INITIAL PRESSURE -28 / 1110
- CAN # 4321, BATCH 5045 CKQD, SERIAL # 6473, REGULATOR # 4986, LAB PRESSURE -28.9 INITIAL PRESSURE -30 / 1111
- CAN # 2585, BATCH 4873 CKQC, SERIAL # 1656, REGULATOR 4761, LAB PRESSURE -28.9 INITIAL PRESSURE -30 / 1108

~~- CAN #~~

WEATHER @ 1300 58°, 33 %, 41, BAR 30.41

CAN # 3035 @ 699/700 IS DEPRESSURIZING
RESOLVE @ 1300 - GE OFF CONSULTING W/ LAB
DECIDE THAT I WILL RETURN @ 1515 TO CHECK LOW CANISTER ACCOMPANYING DUP. CAN BE CLOSED IF ABOVE -20 (PREF. -15) ~~AND~~
1328 DEPART FTMM
1518 MEET VINCE @ BLDG 699
1520 CHECK CAN # 3037 => -1- => CLOSE
DUP CAN 3038 PRESSURE -24-, LEAVE OPEN

2017-MAR-08 | THU

CHECK OUT OF STARBRIDGE SUITES
0805 ARRIVE @ FTMM
0820 MEET GEOFF AND ALICE - PROCEED TO 699/700 AFTER TAILGATE SAFETY MTG.

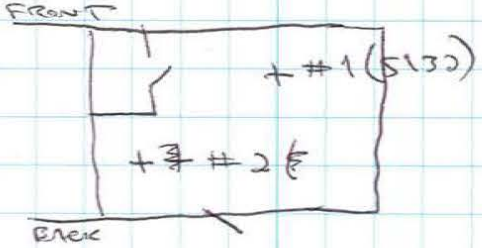
CHECK 24-HR. CANS

CAN	TIME	PRESSURE	CLOSE
3028	0833	-5-	0917/-4+
4281	0835	-8-	0848/-6
4129	0829	-10	
3591	0830	-9-	
5096	0832	-8+	

GEOFF PROCEED W/ ALICE TO BLDG 1760 TO CHECK INDOOR AIR CANS WHILE I WAIT TO CLOSE CANS @ 699/700 @ 24-HR. MARK
0935 CALIBRATE MULTI-RAE PLUS | 180287 FROM PWE, FRESH AIR CAL Φ
MIXED GAS LOT BAM-4102F-1 EXP 04/11/2015 CO 50, H_2S 25, LEL 50%, O_2 20.9%
BAM 100 PPM ISOBUTYLENE LOT 0428FD11 EXP. 06/2015 => 99.9

GEOFF CHECKED BLDG 1700 CANS - SHUT OFF 1 NEAR -1 mm Hg, THEN RETURN @ 0925 AND SET UP FOR SUBSLAB DRILLING @ 699

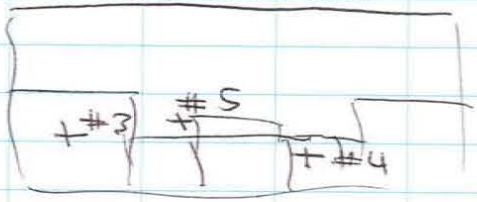
SUBSLAB @ 699



LOCATION #1, BLDG 699, 1' SLAB
CAN #5132, BATCH 3459CKQE, SERIAL # C8578, VAC PRESSURE -29.1, REGULATOR # 5321,
LEAK TEST W/ DISLEGATE He/H MULTI-GAS DETECTOR (PWE # 144963) => (BUBBLE/BORING) 1ST TEST FAIL - RE-SEAT, SUBSEQUENT FAILURES
OFFSET #1 TO NEW HOLE
LEAK TEST PASS => 12.7%/0.1%
CO 2, H_2S 0, LEL 0, O_2 20.6%, VOC 1.4
INITIAL PRESSURE -29, OPEN @ 1025
END PRESSURE -4-, CLOSE @ 1125

BEGIN TO BLDG. 7700 WHILE I WAIT TO FINISH @ 5132

BLDG 7700 FRONT



LOCATION #3, BLDG 699.1' SW3
CAN #4112, BATCH 3459CKQE, SERIAL# 6421, LAB PRESSURE -29.1, REGULATOR# 5316, LEAK TEST 12.5% / 0.15% He - PASS
INITIAL PRESSURE -28, OPEN @ 1032
CO 0, H_2S 0, LEL 0, VOC 0.8, O_2 20.1%

BEGIN START PREPARATION @ BLDG 700 WHILE I GO W/ALICE TO GET WATER + CEMENT

LOCATION #3, BLDG. 700, 0.5' SW3, W/ DUP.
LEAK TEST 1ST + 2ND ATTEMPT FAIL-OF-SEAL
⇒ PASS @ 15% / 13.0%
CO 0, H_2S 0, LEL 0, O_2 19.9%, VOC 0.4
CAN # 4911/3162, BATCH 3459 CKQE (BOTH), SERIAL # 7364 / NOT USED, LAB PRESSURE -29.1 (BOTH), REGULATOR # 4976/4611
INITIAL PRESSURE -30/-28, OPEN @ 1316
END PRESSURE -4/-6, CLOSE @ 1346

LOCATION #4, BLDG 700, 0.5' SW3
CAN # 2678, BATCH 3459CKQE, REGULATOR # 4585 (?), LAB PRESSURE -29.1.
LEAK TEST PASS ⇒ 12.8% / <0.1%
INITIAL PRESSURE -30, OPEN @ 1354
CO 0, H_2S 0, LEL 0, O_2 19.4%, VOC 1.4
END PRESSURE -8, CLOSE @ 1424

LOCATION #5, BLDG 700, 0.5' SW3
CAN # 4477, BATCH 3459CKQE, REGULATOR # 4595
LAB PRESSURE -28.1, LEAK TEST PASS ⇒ 22.7% / <0.1%
CO 0, H_2S 0, LEL 0, O_2 20.5%, VOC 0.3
INITIAL PRESSURE EST. -24 (DIAL SCREWS LOOSE N + 2 ON DISPLAY ST.) OPEN @ 1438
END PRESSURE -2, CLOSE @ 1508

1514 DESERT SUC 1001/CR9

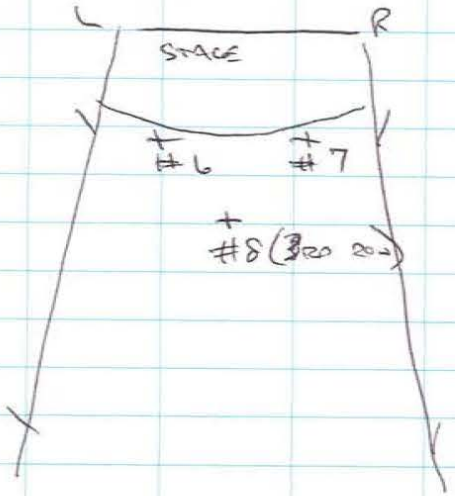
1523 @ SUC 1001 - REDESIGN WOOD AIR C

FLOOR DRAW LOCATION (PREV. DEPRESSURIZED)

CAN #4068, BATCH 3600CKQE, LAB PRESSURE -29.1, REGULATOR #3847, LOCATED OVER DRAW. ~1' ABOVE FLOOR

INITIAL PRESSURE -28, OPEN @1530

BLDG J700



LOCATION #6, J700 AUDITORIUM, 0.8' SUB

CAN # 5063, BATCH 3459CKQE, REGULATOR # 5320, LAB PRESSURE -29.1, INITIAL PRESSURE -29,

DUP. CAN # 5075, BATCH 3459CKQE, REGULATOR #4699, LAB PRESSURE -29.1, INITIAL PRESSURE -30-

LEAK TEST 11.8 Y./0 Y. PASS

CO 0, H_2S 0, LEL 0, O_2 20.9%, VOC 0.0

OPEN @1640, CLOSE @1710 (5075 => -15, 5063 => -17)

LOCATION #7, J700 AUDITORIUM R SIDE, 0.8' SUB

CAN #5120, BATCH 3459CKQE, REGULATOR # 4691, LEAK TEST PASS => 21.7 Y./0

CO 0, H_2S 0, LEL 0, O_2 20.9%, VOC 0.0

INITIAL PRESSURE -30-, OPEN @1709

LOCATION #8, J700 AUDITORIUM 300 R/W CENTER, 0.8' SUB

TILE WORK ~~CUT~~ 9"x9", CHIPPED OFF PIECES TO AND DRILLING THROUGH

CAN # 3369, BATCH 3600CKQE, REGULATOR #5094, LAB PRESSURE -29.1, LEAK TEST PASS 13.9 Y./0

CO 0, H_2S 0, LEL 0, O_2 20.9%, VOC 0.0

INITIAL PRESSURE -30-, GPSN @ 1751
END PRESSURE -6, CLOSE @ 1833

1830. DEPART FTMM

2012-MAR-30 /KRL/

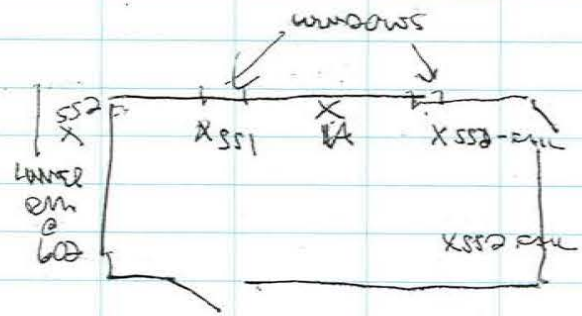
0730 DEPART AECOM-ALEXANDRIA IN SILVERADO /81893 mi
A1300 ARRIVE @ FTMM GATE ON OCEANPORT / 82130 mi
WEATHER: CLEAR, 50°s, LOW HUMIDITY

EQUIPMENT: MULTIRAE PLUS, DISTOMAT M6D (PLUS 12678)
2002, BOSCH HAMMER DRILL W/ 1/2" BIT

1315 CONTACT MALCOLM EASTERN MTG W/ GEOCF
1720 CALIBRATE MULTIRAE PLUS / 007335
100 PPM ISOBUTYLENE, & LOT 0206FB12 EXP 03/14
=> 0.0 / 99.4, MIXED GAS LOT 1271135
O_2 => 20.9, 50% LEL = 25%

1300 MEET GEOCF CHRIS, BWA & ROB FROM FTMM @ GATE ON OCEANPORT - ESCORTED TO BLDG. 602
CHECK INDOOR / AMBIENT AIR CANISTER PRESSURES NEGATIVE

29 MAR DEPLOYMENT - INDOOR & AMBIENT AIR (24 HRS)
BLDG 607
IA => CAN 2723, CONTROLLER 5219, FLOW 430 SCCM, INITIAL VAC -30, LBS -28.9, START @ 1420
AA => CAN 4557, CONTROLLER 3854, FLOW 308 SCCM, INITIAL VAC -28, LBS -29.5, START @ 1416
77° WIND (N55°), 29.74" Hg, 37% HUMIDITY



SUBSURF 1

CAN # 3219, BATCH 4307 CKQV, CONTROLLER #4440, LAB PRESSURE -28.9

INITIAL PRESSURE -30-, START @ 1515

LEAK TEST: 12.3 1./0

LEL 0 O_2 19.9 ~~20.3~~ CO 0 H_2S 0, VOC 0.0

CLOSE PRESSURE -1 @ 1544

SUBSURF 2 N/C

~~CAN # 2659, BATCH 4307CKQV, CONTROLLER 4679, LAB PRESSURE -28.9~~

INITIAL PRESSURE: , START @

LEAK TEST

~~VOID CAN - INCORRECT LAB PRESSURE~~

PROPOSAL

SUBSURF 2

CAN # 4074, BATCH 4307CKQV, CONTROLLER #5321, LAB PRESSURE -28.9

~~INITIAL PRESSURE @~~

LEAK TEST 11.7 1./1.9 L-PSIG, OFFSET

LEAK TEST 2 13.2 1./1.01., OFFSET

SUSPECT He DISCUSSED IN SUBSURF - OFFSET TO CORRIDOR NEAR ET. WALL

VOC ~~0.0~~ 0.2, H_2S 0, CO 0, LEL 0, O_2 19.6 - 20.6 1.

INITIAL PRESSURE -26 @ 1634

CLOSE PRESSURE -5- @ 1703

1650 END CHECK PID => 0.0/~~0.0~~ 80.2

LEL => 83, O_2 => 20.9%

1705-1720 RATCH MOVES W/ CONCRETE

1736 DEPART FTMM 82130

This page intentionally left blank.

VI SAMPLING SUMMARY FORM
DATA RECORDED BY: G. CLARK

LocID	Sample Type	Sub-Slab Oxygen	Sub-Slab PID (ppm)	Ambient PID (ppm)	Sample Start	Initial Vacuum (in Hg)	Pressure Check Time	Pressure Check Vacuum (in Hg)	Sample End	Final Vacuum (in Hg)
IA-1	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*9:11*	*<-30*	*11:36*	*-23*	*9:11*	*-6*
IA-2	Indoor Air	Not Applicable	Not Applicable	0.0	9:12	-29	11:00	-7.5	13:07	-2
AA-1	Ambient Air	Not Applicable	Not Applicable	0.0	9:14	<-30	11:40	-3	13:09	-2
AA-4	*Ambient Air*	*Not Applicable*	*Not Applicable*	*0.0*	*10:10*	*-30*	*8:15*	*-2*	*9:38*	*-1*
IA-10	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*10:50*	*-29*	*11:15*	*-11*	*10:58*	*-0.5*
SS-1	Sub-Slab	20.9%	0.4	0.0	11:52	-30	11:59	-24	12:22	-8
SS-2	Sub-Slab	20.2%	0.0	0.0	12:22	-20	12:27	-19	12:52	-6
SS-3	Sub-Slab	22.5%	0.3	0.0	13:07	-30	13:11	-27	13:37	-8
SS-11	Sub-Slab	20.3%	0.2	0.0	16:39	-29	16:44	-24	17:09	-6
SS-12	Sub-Slab	19.9%	0.4	0.0	15:52	-30	16:02	-21	16:22	-4
IA-4	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*8:48*	*-29*	*8:27*	*-8*	*8:48*	*-7*
AA-3	*Ambient Air*	*Not Applicable*	*Not Applicable*	*0.0*	*9:17*	*-30*	*8:25*	*-9*	*9:15*	*-8*
IA-5	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*9:41*	*-27*	*8:32*	*-9*	*9:41*	*-8*
IA-6	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*9:51*	*-30*	*8:32*	*-8*	*9:51*	*-6*
IA-8	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*11:10*	*-28*	*9:02*	*-7*	*11:20*	*-2*
IA-9	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*11:11*	*-30*	*12:30*	*-25*	*9:04*	*-4*
AA-5	*Ambient Air*	*Not Applicable*	*Not Applicable*	*0.0*	*11:08*	*-30*	*8:58*	*-8*	*11:17*	*-4*
SS-6	Sub-Slab	22.6%	1.4	0.0	10:55	-29	11:11	-16	11:25	-4
IA-DUP-1 (IA-5)	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*9:41*	*-30*	*15:57*	*-24*	*9:41*	*-10*
IA-DUP-2 (IA-8)	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*11:10*	*-30*	*16:00*	*-8*	*11:20*	*-5*
AA-DUP-1 (AA-3)	*Ambient Air*	*Not Applicable*	*Not Applicable*	*0.0*	*10:04*	*-30*	*16:07*	*-22*	*9:15*	*0*
AA-DUP-2 (AA-3)	Ambient Air	Not Applicable	Not Applicable	0.0	9:17	-30	9:49	-4	9:56	0
SS-7	Sub-Slab	20.1%	0.8	0.0	12:02	-29	12:25	-7	12:32	-1
SS-8	Sub-Slab	Ranges from 19.8-19.9%	0.3	0.0	13:16	-30	13:32	-17	13:46	-4
SS-9	Sub-Slab	19.4%	1.0	0.0	13:54	-30	13:59	-26	14:24	-8
SS-10	Sub-Slab	20.5%	0.3	0.0	14:38	-22	14:46	-14	15:08	0
SS-DUP-1 (SS-8)	Sub-Slab	Ranges from 19.8-19.9%	0.3	0.0	13:16	-28	13:32	-18	13:46	-4
SS-13	Sub-Slab	20.9%	0.0	0.0	16:40	<-30	16:54	-23	17:10	-17
SS-14	Sub-Slab	20.9%	0.0	0.0	17:09	<-30	17:22	-16	17:39	-5
SS-15	Sub-Slab	20.9%	0.0	0.0	17:51	<-30	18:10	-13	18:23	-6
SS-DUP-2 (SS-13)	Sub-Slab	20.9%	0.0	0.0	16:40	-29	16:51	-25	17:10	-15
IA-7-R	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*15:30*	*-28*	*14:25*	*-9*	*15:32*	*-6*
AA-2	*Ambient Air*	*Not Applicable*	*Not Applicable*	*0.0*	*14:16*	*-28*	*13:55*	*-9*	*14:16*	*-7*
IA-3	*Indoor Air*	*Not Applicable*	*Not Applicable*	*0.0*	*14:20*	*-28*	*13:55*	*-9*	*14:16*	*-7*
SS-4	Sub-Slab	Ranges from 19.9-20.3%	0.0	0.0	15:14	<-30	15:32	-14	15:44	-1
SS-5	Sub-Slab	Ranges from 19.6-20.6%	Bounces 0.0-0.2	0.0	16:34	-26	16:45	-17	17:04	-5

1) Italics indicate that the sampling period started on one day and ended the next.

This page intentionally left blank.

Appendix C

Laboratory Analytical Reports

(Included on the attached CD)

This page intentionally left blank.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

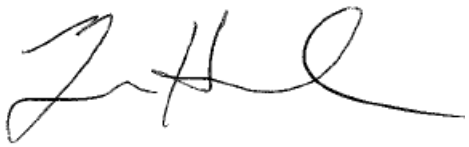
Job Number: 200-9749-1

SDG Number: 200-9749-1

Job Description: Fort Monmouth

For:
Bureau Veritas North America, Inc.
3380 Chastain Meadows Parkway
Suite 300
Kennesaw, GA 30144

Attention: Mr. Chris Ostermann



Approved for release.
Ryan J Hammond
Project Manager I
3/30/2012 10:37 AM

Ryan J Hammond
Project Manager I
ryan.hammond@testamericainc.com
03/30/2012

cc: Geoffrey Clark

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

Table of Contents

Cover Title Page 1

Sample List 4

External Chain of Custody 5

Internal Chain of Custody 8

Shipping Documentation 9

- Airbills (if Applicable) 10
- Sample Receipt and Log In Check List 16

Standards Traceability 17

Methodology Review 100

Report Narrative 101

- Case Narrative 101
- Manual Integration Documentation 102
- Data Sheets in Excel 112
- Qualifier Definition 128

Method Detection Limit Studies 129

- Method Detection Limit Study Summary 129
- Verified MDL Summary 135

Organic Sample Data 143

- Air - GC/MS VOA 143
  - Method TO15 Low Level - New Jersey 143
    - QC Summary 144
      - Reporting Limit Laboratory Control Sample Summary 144
      - Method Blank Summary 149
      - Instrument Performance Check 152
      - Internal Standard and RT Summary 157
    - Sample Data 162

Table of Contents

Standards Data 232

Method TO15 Low Level - New Jersey Initial Calibration 232

Method TO15 Low Level - New Jersey Initial Calibration Verification Sample Standard Summary . . . 310

Method TO15 Low Level - New Jersey Continuing Calibration Summary(ies) 320

Raw QC Data 359

GC/MS Tune Perfromance DataMethod TO15 Low Level - New Jersey Tune Data 359

Method TO15 Low Level - New Jersey Blank Data 379

Reporting Limit Laboratory Control Sample DataMethod TO15 Low Level - New Jersey LCS/LCSD Data 394

Sample Preparation 418

Method TO15 Low Level - New Jersey Instrument Run Logs (sample data run logs) 418

Method TO15 Low Level - New Jersey Air Canister Receipt Pressure Check 427

Clean Canister Certification Data 428

Pre-Shipment Clean Canister Certification Report 428

Laboratory Control Sample Summary 432

Method Blank Summary and Data Report 448

Instrument Performance Check 476

Internal Standard Area and RT Summary 484

Clean Canister Data 492

Initial Calibration Summary 516

Initial Calibration Verification Sample Standard Summary 548

Continuing Calibration Summary(ies) including Closing CCV 556

Instrument Run Logs (clean canister run logs) 572

ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NEW JERSEY 08625

Agency/Division:	NA	**Bureau/Office:**	NA
Project No:	NA	**Contract No.:**	NA
Laboratory Name:	TestAmerica Laboratories	**Laboratory Location:**	South Burlington, Vermont
SDG or Batch No.:	200-9749-1	**NJDEP Certification No.:**	VT972
Date of First Sample Receipt:	03/10/2012	**Date of Last Sample Receipt:**	03/10/2012

Agency Sample Number	Laboratory Sample Number	Sample Location	Date and Time of Collection
BLDG1001 IA-7-R	200-9749-1	BLDG1001 IA-7-R	03/08/2012 15:32
BLDG1001 SS-11	200-9749-14	BLDG1001 SS-11	03/06/2012 17:09
BLDG1001 SS-12	200-9749-15	BLDG1001 SS-12	03/06/2012 16:22
BLDG101 AA-4	200-9749-8	BLDG101 AA-4	03/05/2012 09:38
BLDG283 AA-1	200-9749-4	BLDG283 AA-1	03/05/2012 13:09
BLDG283 IA-1	200-9749-2	BLDG283 IA-1	03/05/2012 09:11
BLDG283 IA-2	200-9749-3	BLDG283 IA-2	03/05/2012 13:07
BLDG283 SS-1	200-9749-10	BLDG283 SS-1	03/06/2012 12:22
BLDG283 SS-2	200-9749-11	BLDG283 SS-2	03/06/2012 12:52
BLDG283 SS-3	200-9749-12	BLDG283 SS-3	03/06/2012 13:37
BLDG699 AA-3	200-9749-17	BLDG699 AA-3	03/07/2012 09:15
BLDG699 IA-4	200-9749-16	BLDG699 IA-4	03/07/2012 08:48
BLDG700 IA-5	200-9749-18	BLDG700 IA-5	03/07/2012 09:41

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable date submitted on disk or electronically has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager (Typed):	William S. Cicero	**Date:**
Laboratory Manager (Signature):		
Quality Assurance Manager (Typed):	Kirstin Daigle	**Date:**
Quality Assurance Manager (Signature):		

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	FORT MONMOUTH VI INVESTIGATION [60146397]	TO15 Project-specific list	20012
Address	**Point of Contact / Phone No.**		Batch Apr10
30 Community Drive	GEOFFREY CLARK geoffrey.clarke@us.bureauveritas.com devon.chicoine@aecom.com		
City / State / Zip	**Site Contact / Phone No.**		
South Burlington / VT / 05403	ELIZABETH LARSEN elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information										
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID		Comment
BUDC 1001			IA-7-R	3/8/12	15:30	15:32	-28	-6	Air	3867	4068		Check program & call G. Clark for instructions

		Date	Time		Date	Time
1. Relinquished By / Company	Graham K Clark / Bureau Veritas North America, Inc.	3/9/12	8:48	1. Received By / Company			
2. Relinquished By / Company	TestAmerica, Edison	3/9/12	1935	2. Received By / Company	UPS		
3. Relinquished By / Company				3. Received By / Company		3/10/12	0915
4. Relinquished By / Company				4. Received By / Company			
5. Relinquished By / Company				5. Received By / Company			

Comments *See D. Dawicky. Please calibrate for all TO-15 compounds (low level), but report only those listed on the Chain of Custody.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

03/30/2012

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	[60146397] FORT MONMOUTH VI INVESTIGATION	TO15 - Benzene; Project-Specific List	**20012** Batch Apr10
Address 30 Community Drive	Point of Contact / Phone No. devon.chicoine@aecom.com GEOFFREY CLARK geoffrey.clark@us.bureauveritas.com		
City South Burlington / **State** VT / **Zip** 05403	Site Contact / Phone No. elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information													
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID	TO15 - Benzene	Project-Specific List				Comment
~~BLDG 283 IA-1~~			IA-1	3/5/12	9:11	9:11	~~<-30~~	-6	Air	3938	2859	X					
BLDG 283			IA-2	3/5/12	9:12	13:07	-29	-2	Air	5251	4336	X					
BLDG 283			AA-1	3/5/12	9:14	13:09	<-30	-2	Air	3449	5042	X					
BLDG 602			IA-3	3/5/12	10:50	7:55	-28	0	Air	2530	5089		X				
BLDG 602			AA-2	3/5/12	10:48	9:49	-28	0	Air	4035	5083		X				
BLDG 1001			IA-7	3/5/12	10:09	8:18	-25	+2	Air	3130	2879		X				Check pressure & call for instructions
BLDG 1001			AA-4	3/5/12	10:10	9:38	-30	-1	Air	2935	4460		X				
BLDG 602			IA-10	3/5/12	10:50	10:58	-29	-0.5	Air	3099	5028						Hold for addl instruct
BLDG 283			SS-1	3/6/12	11:52	12:22	-30	-8	Air	4709	4777		X				
BLDG 283			SS-2	3/6/12	12:22	12:52	-30	-6	Air	4710	3521		X				
BLDG 283			SS-3	3/6/12	13:07	13:37	-30	-8	Air	4711	3602		X				
BLDG 602			SS-4	3/6/12	14:21	14:51	-30	-6	Air	5011	5157		X				
BLDG 1001			SS-11	3/6/12	16:34	17:09	-29	-6	Air	4775	2784		X				Controller ID not clear

1. Relinquished By / Company: Geoffrey K Clark / Bureau Veritas North America, Inc.	Date: 3/9/12	Time:	1. Received By / Company:	Date:	Time:
2. Relinquished By / Company: BVNA	Date: 3/9/12	Time: 16:37	2. Received By / Company: Test America	Date: 3/9/12	Time: 16:37
3. Relinquished By / Company: Test America	Date: 3/9/12	Time: 1700	3. Received By / Company: Test America Edison	Date: 3/9/12	Time: 1700
4. Relinquished By / Company: Test America Edison	Date: 3/9/12	Time: 1930	4. Received By / Company: UPS	Date:	Time:
5. Relinquished By / Company:	Date:	Time:	5. Received By / Company: DSC TARGET	Date: 3/10/12	Time: 0915

Comments: * See D. Darwicky. Calibrate for all ~~+~~ TO-15 (Low Level) Compounds, but report as above.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	[60146397] FORT MONMOUTH VI INVESTIGATION	TO15 - Benzene; * Project-specific List	20012 Batch Apr10
Address: 30 Community Drive	Point of Contact / Phone No.: GEOFFREY CLARK; devon.chicoine@aecom.com; Geoffrey.clark@us.bureauveritas.com		
City: South Burlington / State: VT / Zip: 05403	Site Contact / Phone No.: elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information										
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID	*	Comment
BLDG 1001			SS-12	3/6/12	15:52	16:22	-30	-4	Air	5293	4149	X	
BLDG 699			IA-4	3/7/12	8:48	8:48	-29	-7	Air	3742	4281	X	
BLDG 699			AA-3	3/7/12	9:17	9:15	-30	-8	Air	5222	3028	X	
BLDG 700			IA-5	3/7/12	9:41	9:41	~~-29~~ -28	-8	Air	3108	2592	X	
BLDG 700			IA-6	3/7/12	9:51	9:51	-30	-6	Air	5226	5096	X	
BLDG 2700			IA-8	3/7/12	11:10	11:20	-28	-2	Air	3064	4094	X	
BLDG 2700			IA-9	3/7/12	11:11	9:04	-30	-2	Air	4986	4321	X	
BLDG 2700			AA-5	3/7/12	11:08	11:17	-30	-4	Air	4761	2585	X	
BLDG 699			SS-6	3/8/12	10:55	11:25	-29	-4	Air	5321	5132	X	
—			IA-DUP-1	3/7/12	9:41	9:41	-30	-10	Air	4522	4129	X	
—			IA-DUP-2	3/7/12	11:10	11:20	-30	-5	Air	3451	3866	X	
—			AA-DUP-1	3/7/12	10:04	9:15	-30	0	Air	3107	3025		** Check pressure
—			AA-DUP-2	3/7/12	9:17	9:56	-30	0	Air	4909	4999		** Check pressure

	Date	Time		Date	Time
1. Relinquished By / Company			1. Received By / Company		
2. Relinquished By / Company USPS HBY	3/9/12	16:37	2. Received By / Company Tasha Smith Test America	3/9/12	1637
3. Relinquished By / Company Tasha Smith Test America	3/9/12	1700	3. Received By / Company Taylor Edison	3/9/12	1700
4. Relinquished By / Company Test America Edison	3/8/12	1930	4. Received By / Company UPS		
5. Relinquished By / Company			5. Received By / Company TABOR	3/10/12	0915

Comments: * See Drawing. Estimate for all TO-15 compounds (raw results) but report as above.
** Check can pressure and call G. Clark for further instructions.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

03/30/2012

TestAmerica Burlington

INTERNAL CHAIN OF CUSTODY LOG (ICOC)

Project Information:	
Log In #: 200-9749	**Method:** TO15_LL_NJ
Client: BUREAU VERITAS	**LAB IDs:** 200-9749-1 THRU 18

Samples associated with this log-in were placed into storage on 3/12/2012 (Date) 1518 (Time[2]) **by:** *Sample Custodian Signature*

Storage Location: AIR STORAGE *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ☐ Refrigeration ☐ Frozen ☒ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		9749-1 to -18	3/12/12	1930	✓			MP	MP	Pressure Check
✓		" "	"	2047			✓	MP	MP	STORAGE
✓		"	"	2050		✓		Angela H. Keene	Angela H. Keene	Screen analysis
✓		"	3/16/12	1200			✓	Pat O.	Pat O.	storage
✓		"	3/26/12	1530		✓		Pat O.	Pat O.	Analysis
✓		"	3/28/12	0920			✓	Pat O.	Pat O.	storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

Shipping and Receiving Documents

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

15 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5470 0219

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping advice, call 1-800-782-7892.
United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5363 5122

1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping plans, call 1-800-782-7892.

United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5309 8758

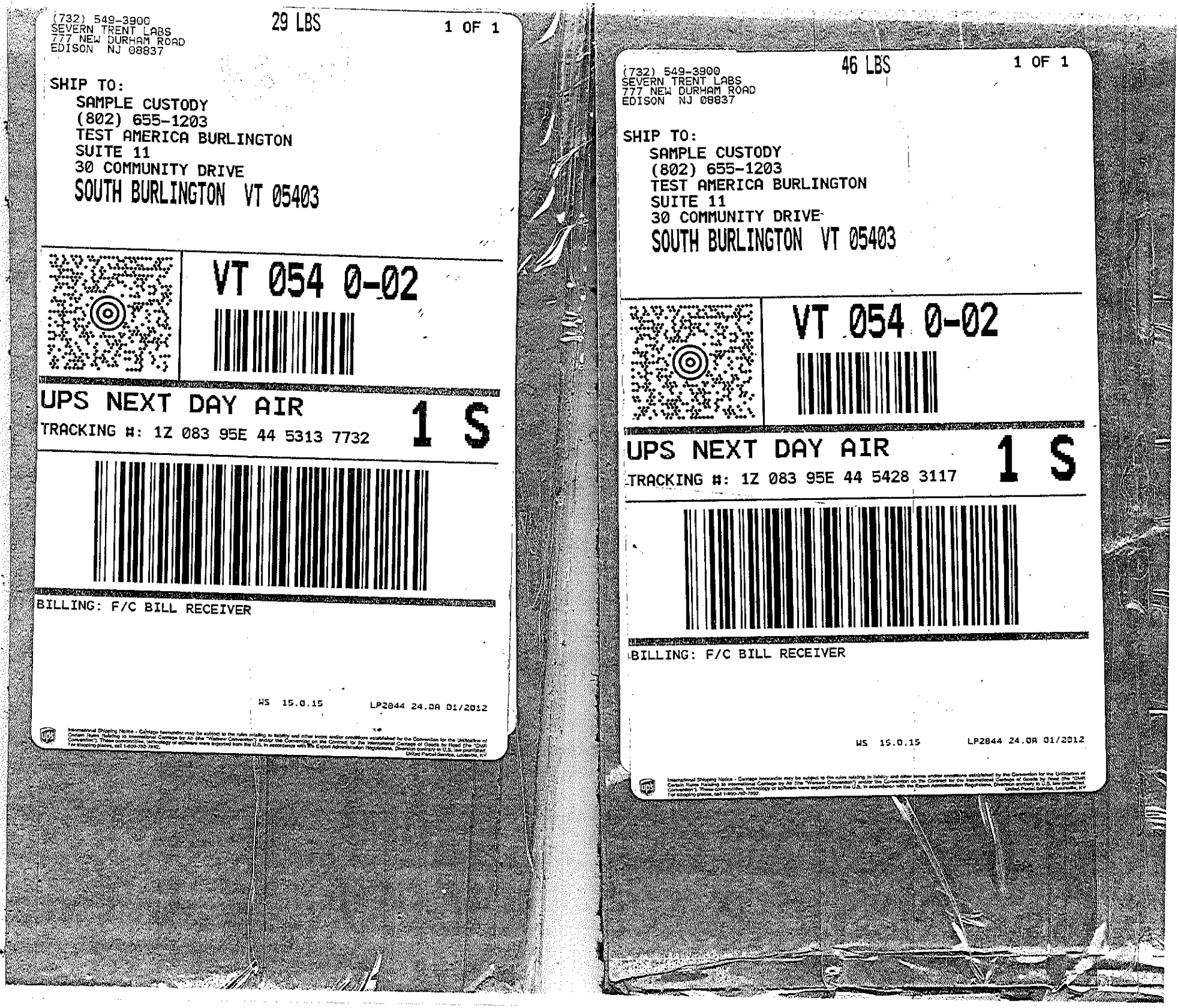
1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping plans, call 1-800-782-7892.

United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5313 7732

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping please call 1-800-742-7892.

United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

46 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

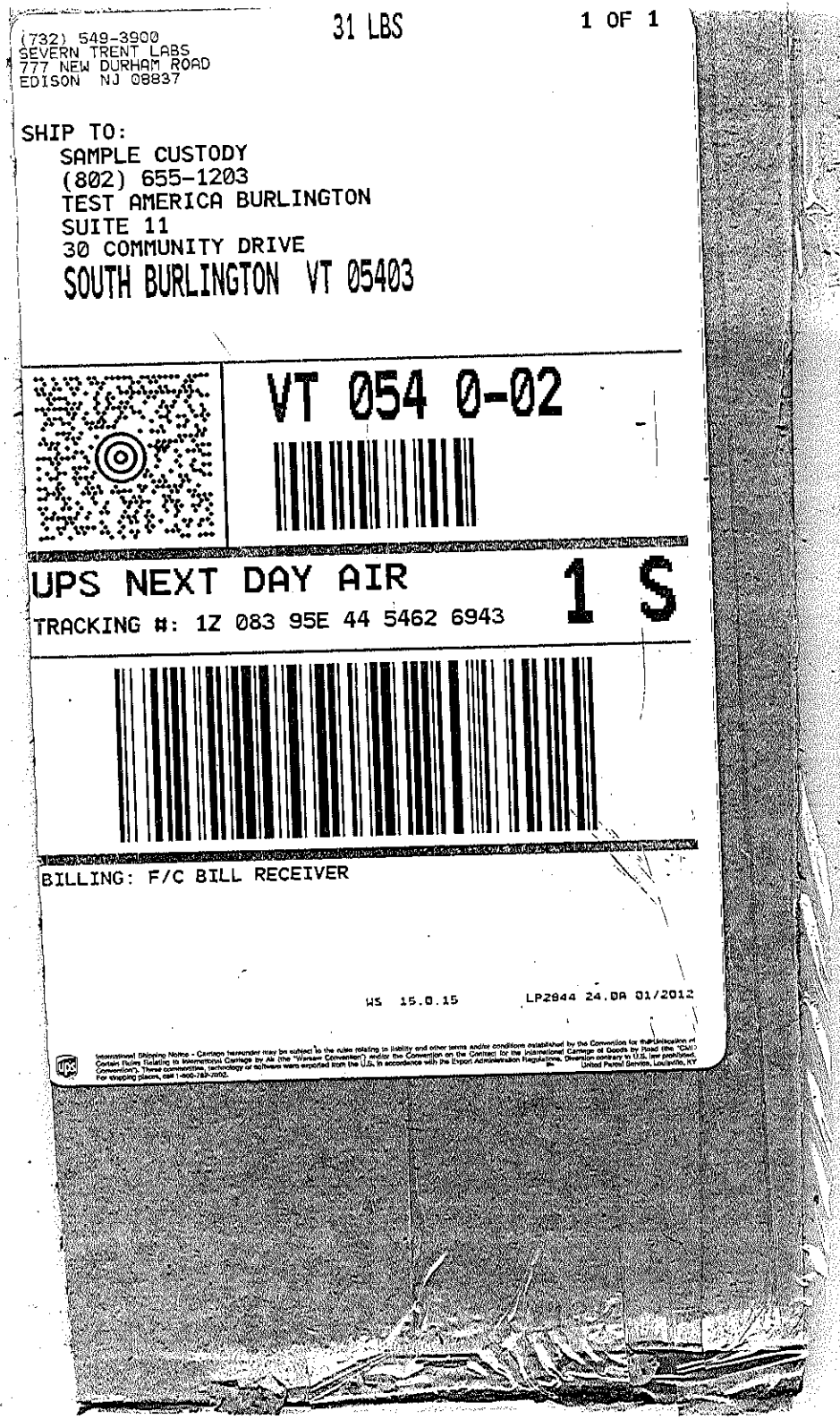
TRACKING #: 1Z 083 95E 44 5428 3117

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping please call 1-800-742-7892.

United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

31 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

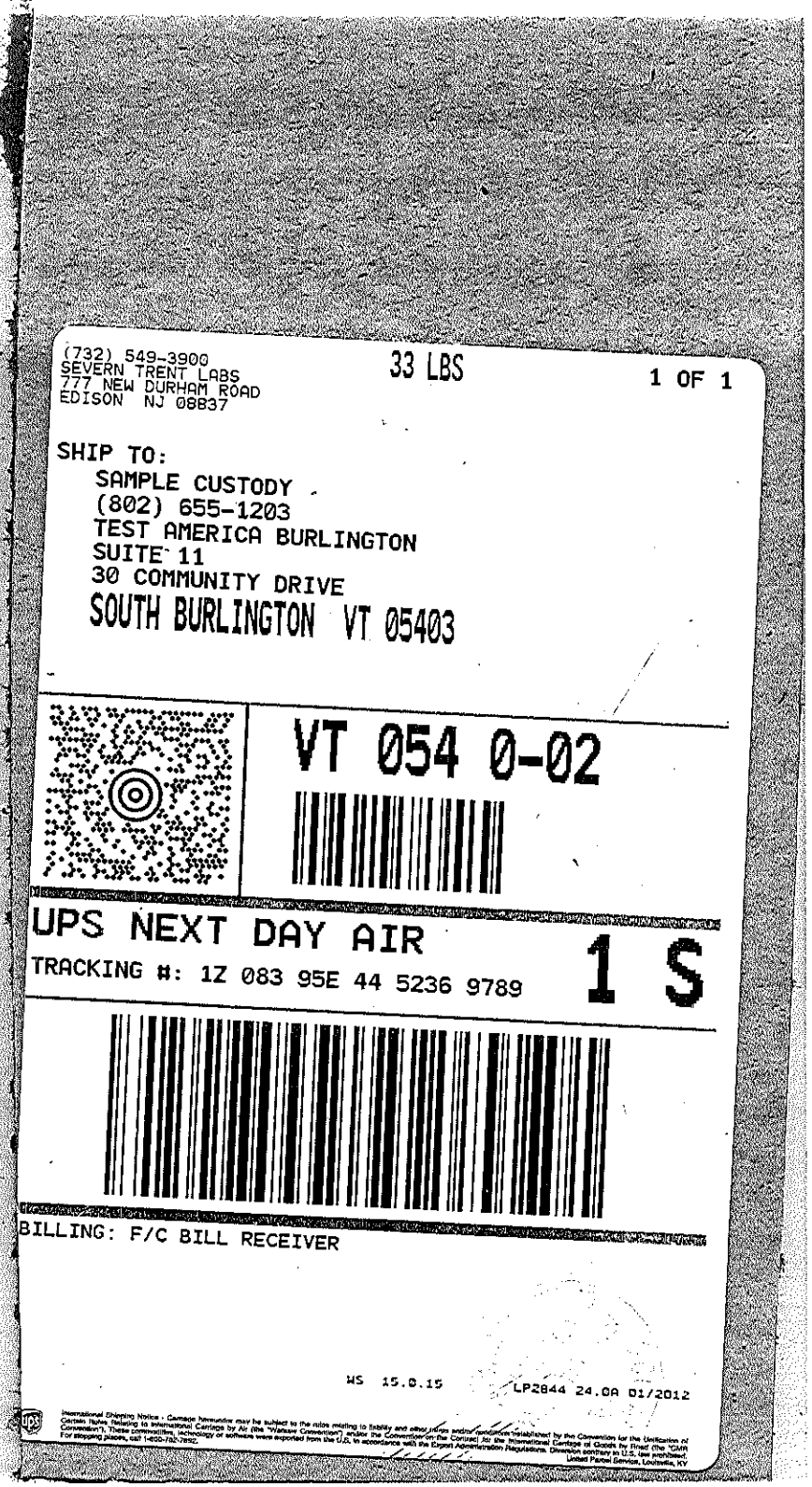
TRACKING #: 1Z 083 95E 44 5462 6943

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-781-3762.

United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

33 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

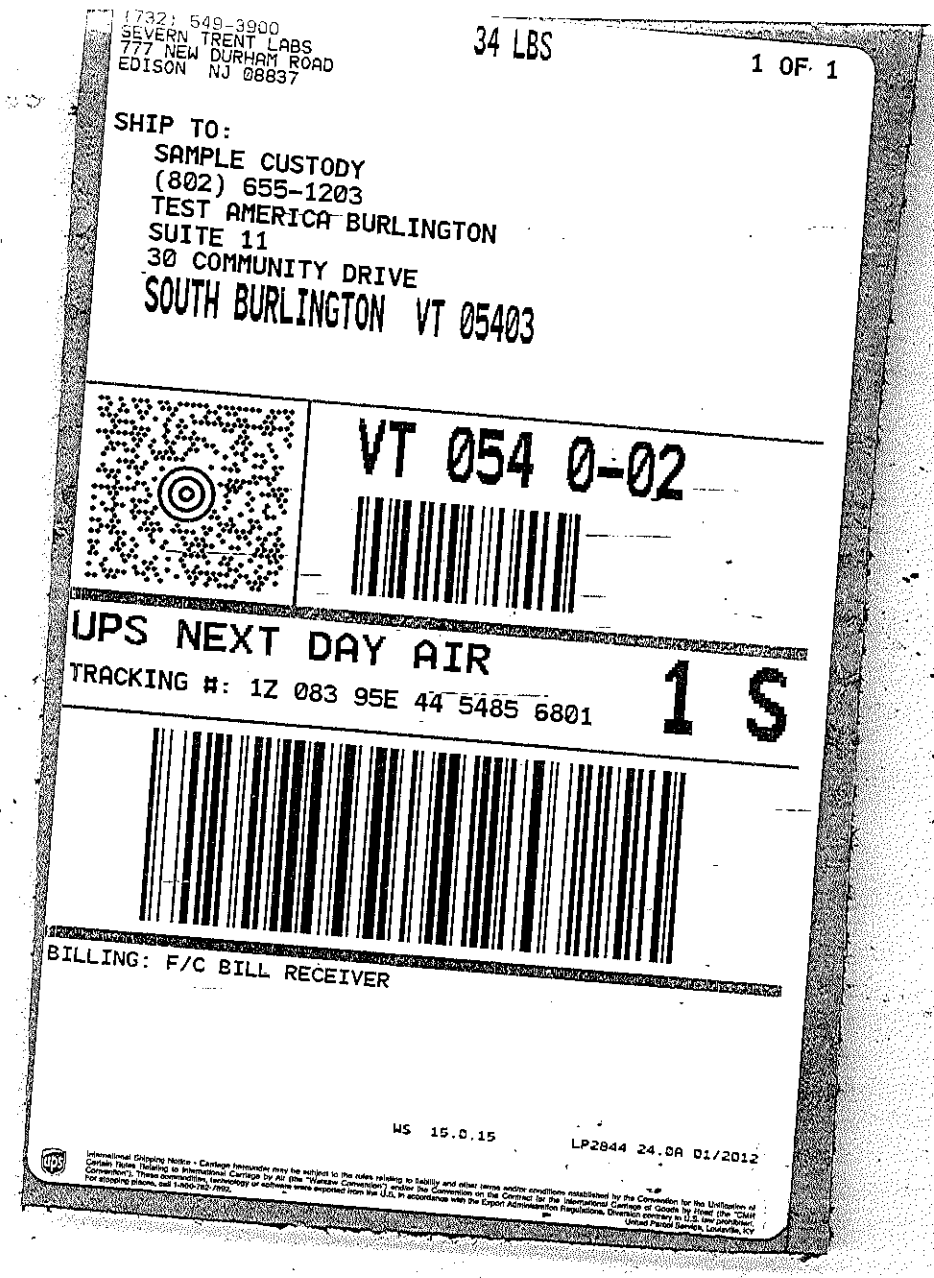
TRACKING #: 1Z 083 95E 44 5236 9789

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-781-3762.

United Parcel Service, Louisville, KY


(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

34 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5485 6801

1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15

LP2844 24.0A 01/2012

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

33 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

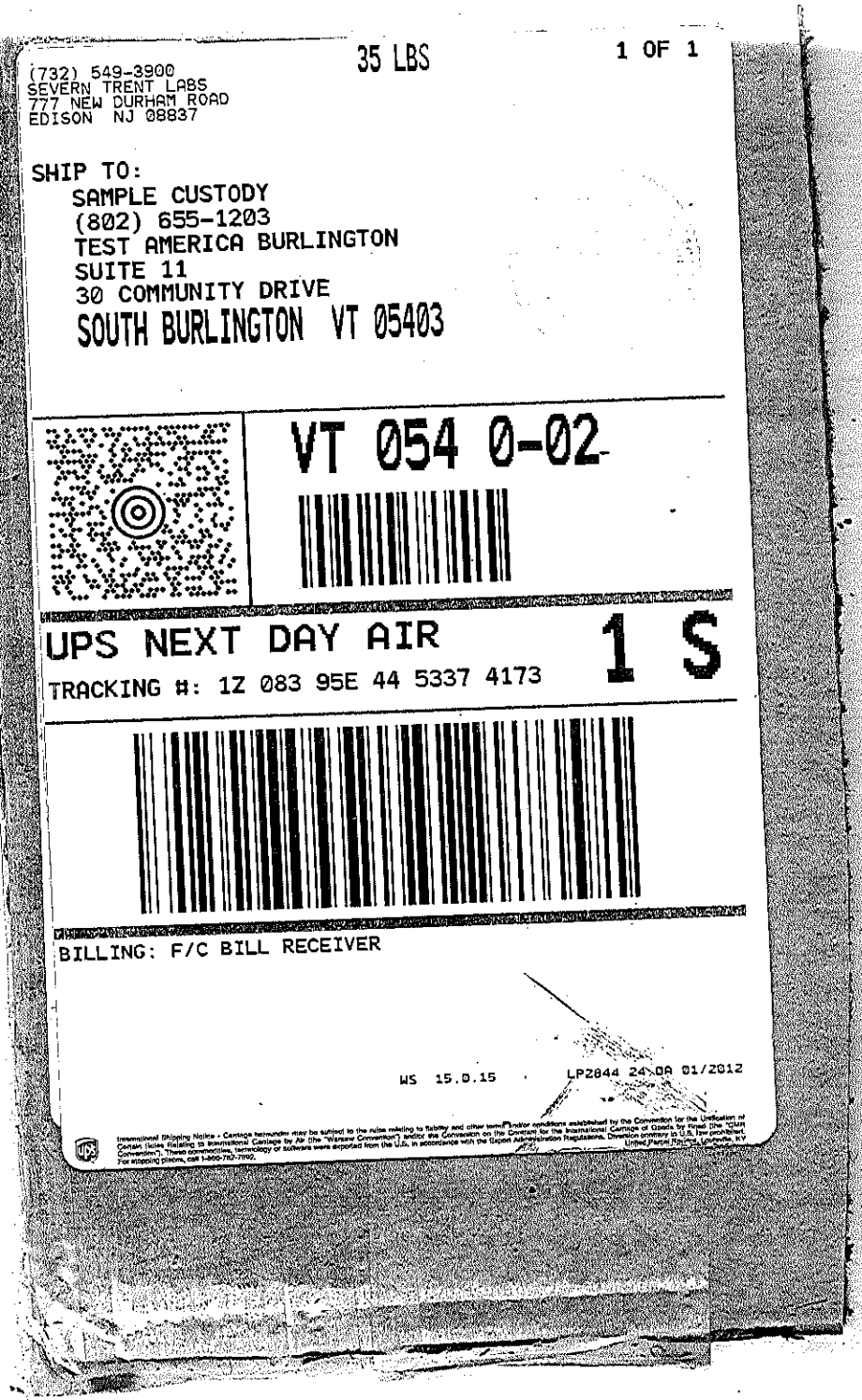
TRACKING #: 1Z 083 95E 44 5293 1992

1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15

LP2844 24.0A 01/2012



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

35 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

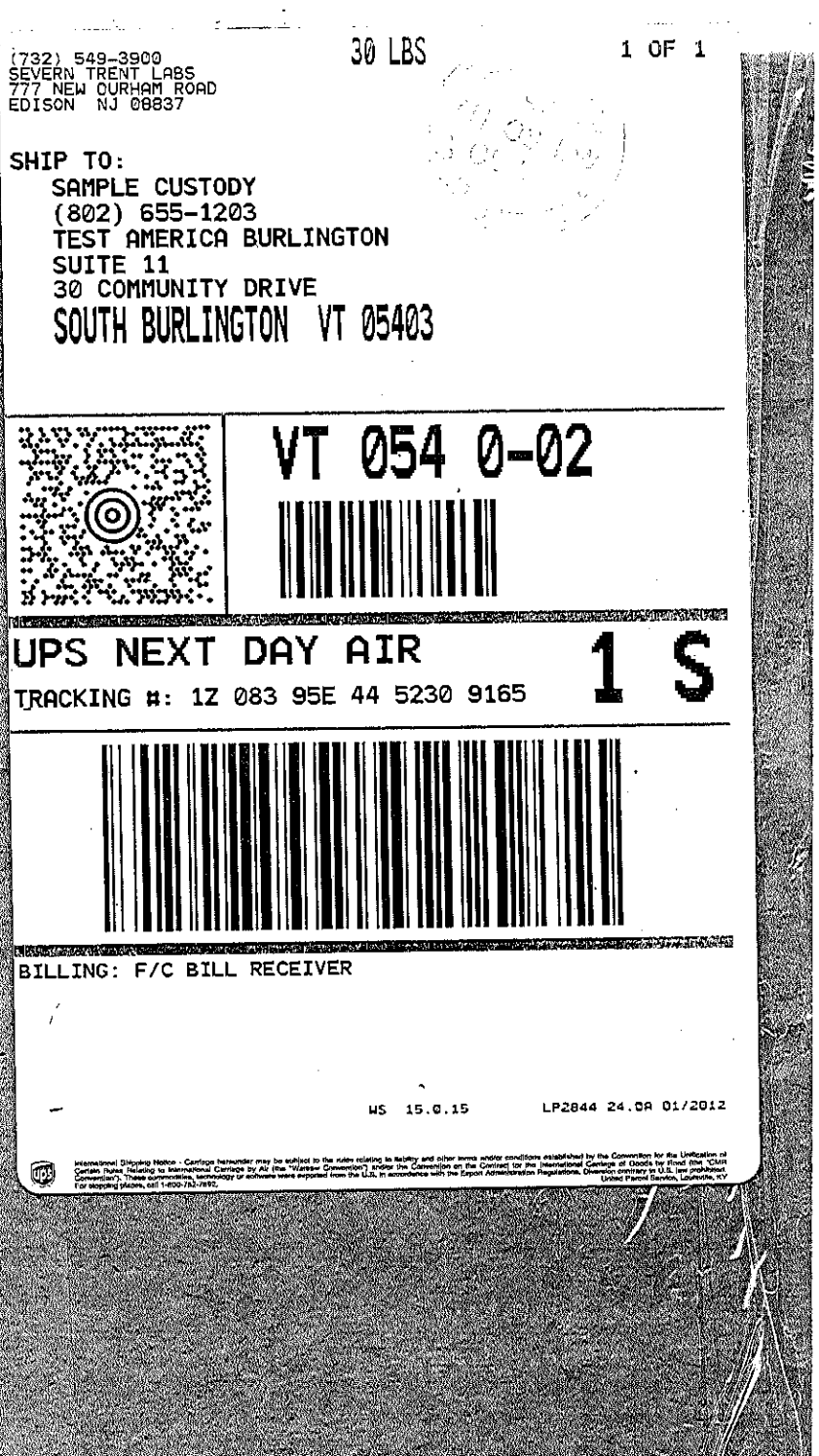
UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5337 4173

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

30 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5230 9165

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

Login Sample Receipt Checklist

Client: Bureau Veritas North America, Inc.

Job Number: 200-9749-1
SDG Number: 200-9749-1

Login Number: 9749
List Number: 1
Creator: Kirchner, Benjamin

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
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.	N/A	NO SAMPLE INFO ON LABELS
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	NO SAMPLE INFO ON LABELS
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00056	04/03/12	01/18/12	DI WATER, Lot 3510	15.463 L	ATTO15CAL6w_00045	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloroethene, cis-	0.20044 ppb v/v
							1,2-Dichloroethene, trans-	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2-Butanone (MEK)	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methyl-2-propanol	0.20044 ppb v/v
							3-Chloro-1-propene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Butadiene	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodibromomethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dichlorobromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Ethylene Dibromide	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Hexane	0.20044 ppb v/v
							Isooctane	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m-Xylene & p-Xylene	0.400879 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							o-Xylene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Vinyl bromide	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL1w_00066	05/29/12	03/12/12	DI WATER, Lot 5015	15.463 L	ATTO15CAL6w_00047	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloroethene, cis-	0.20044 ppb v/v
							1,2-Dichloroethene, trans-	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Benzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Benzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00052	04/03/12	01/18/12	DI WATER, Lot 3382	15.463 L	ATTO15CAL6w_00045	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloroethene, cis-	0.500453 ppb v/v
							1,2-Dichloroethene, trans-	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methyl-2-propanol	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylene Dibromide	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00054	04/03/12	01/18/12	DI WATER, Lot 2603	15.463 L	ATTO15CAL6w_00045	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloroethene, cis-	0.500453 ppb v/v
							1,2-Dichloroethene, trans-	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Ethylene Dibromide	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00056	05/29/12	03/12/12	DI WATER, Lot 4837	15.463 L	ATTO15CAL6w_00047	387 mL	Chloroethane	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	Chloroethane	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
ATTO15CAL3w_00064	04/03/12	01/10/12	DI WATER, Lot 3093	15.463 L	ATTO15CALSTKi_00029	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloroethene, cis-	4.99256 ppb v/v
							1,2-Dichloroethene, trans-	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2-Butanone (MEK)	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methyl-2-propanol	4.99256 ppb v/v
							3-Chloro-1-propene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (MIBK)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Butadiene	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodibromomethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dichlorobromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Ethylene Dibromide	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Hexane	4.99256 ppb v/v
							Isooctane	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m-Xylene & p-Xylene	9.98513 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Vinyl bromide	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00175	04/03/12	01/10/12	DI WATER, Lot 3543	15.463 L	ATTO15CALSTKi_00029	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodibromomethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00181	04/03/12	02/16/12	DI WATER, Lot 3482	15.463 L	ATTO15CALSTKi_00029	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodibromomethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	9.99806 ppb v/v
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-25017				1,1,1-Trichloroethane (Purchased Reagent)	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00188	05/29/12	03/10/12	DI WATER, Lot 3040	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Benzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Benzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00189	05/29/12	03/10/12	DI WATER, Lot 2680	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL5w_00022	04/03/12	01/17/12	DI WATER, Lot 3643	15.463 L	ATTO15CALSTKi_00029	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloroethene, cis-	15.0036 ppb v/v
							1,2-Dichloroethene, trans-	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2-Butanone (MEK)	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methyl-2-propanol	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (MIBK)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Butadiene	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodibromomethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dichlorobromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Ethylene Dibromide	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Hexane	15.0036 ppb v/v
							Isooctane	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m-Xylene & p-Xylene	30.0071 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Vinyl bromide	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL7w_00023	04/03/12	01/10/12	DI WATER, Lot 3631	15.463 L	ATTO15CALSTKi_00029	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloroethene, cis-	39.9922 ppb v/v
							1,2-Dichloroethene, trans-	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2-Butanone (MEK)	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methyl-2-propanol	39.9922 ppb v/v
							3-Chloro-1-propene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (MIBK)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	39.9922 ppb v/v
							Butadiene	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodibromomethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dichlorobromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Ethylene Dibromide	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Hexane	39.9922 ppb v/v
							Isooctane	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m-Xylene & p-Xylene	79.9845 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Vinyl bromide	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CISs_00005	11/15/15	Spectra, Lot CC-250115			(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15GIS_00007	11/15/15	Spectra Gases, Lot CC-344439			(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00171	03/13/12	02/15/12	DI WATER, Lot 3640	15.463 L	ATTO15LCSSTKi_00026	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00026	04/05/12	01/05/12	DI WATER, Lot 1014	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15LCSs_00010	12/07/12	Spectra Gases, Lot CC-230119			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15LCSW_00172	03/13/12	02/15/12	DI WATER, Lot 2960	15.463 L	ATTO15LCSSTKi_00026	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00026	04/05/12	01/05/12	DI WATER, Lot 1014	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Benzene	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15LCSs_00010	12/07/12	Spectra Gases, Lot CC-230119			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Benzene	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

AT 02 008 13

Recert AT-02-010-13 exp 12/10/08

CERTIFICATE OF ANALYSIS

Instrument V

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250115
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84578
ID: ATTO15CISs_00004
Exp 11/15/11 Prpd WRD Open 12/01/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

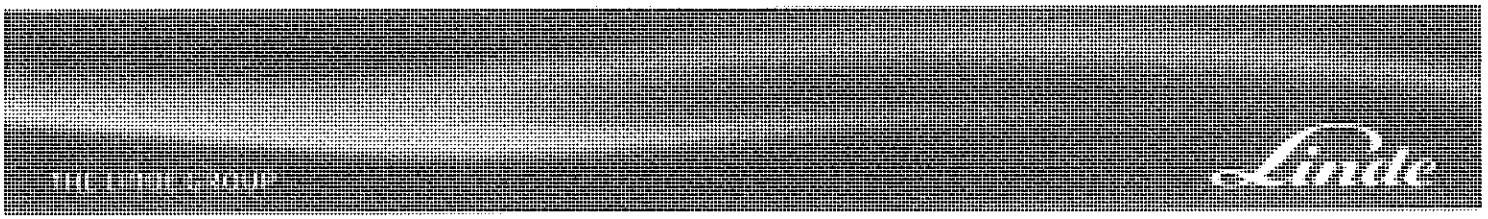
PAGE: 1 of 4

87019
ID: ATTO15CALs_00005
Exp 11/30/11 Prpd WRD Opnd 12/08/10
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.06 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.98 ppm
Chloromethane	74-87-3	1.00 ppm	0.97 ppm
Freon-114	76-14-2	1.00 ppm	0.96 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.97 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.97 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.03 ppm
Bromomethane	74-83-9	1.00 ppm	1.00 ppm
Chloroethane	75-00-3	1.00 ppm	0.97 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.01 ppm
Acetonitrile (Analytical Accuracy +/- 10%)	75-05-8	1.00 ppm	1.03 ppm
Acrolein (Analytical Accuracy +/- 10%)	107-02-8	1.00 ppm	1.10 ppm
Isopentane	78-78-4	1.00 ppm	1.04 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.04 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.92 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.96 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.01 ppm
Tert Butanol	75-65-0	1.00 ppm	1.01 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.01 ppm
Freon-113	76-13-1	1.00 ppm	0.96 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.02 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

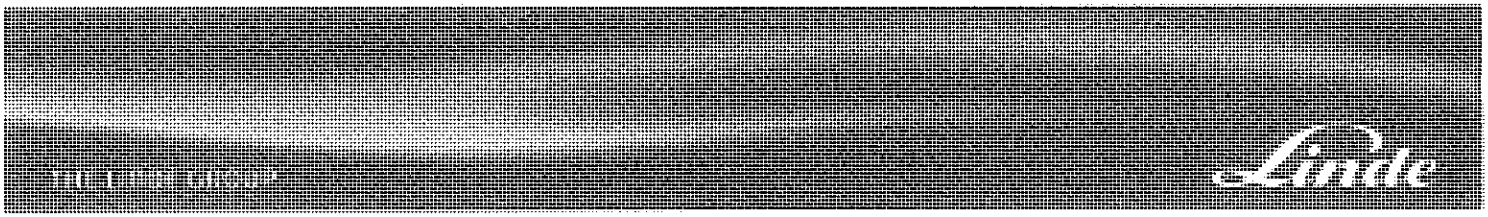


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.00 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.05 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.00 ppm
Hexane	110-54-3	1.00 ppm	1.07 ppm
Chloroform	67-66-3	1.00 ppm	1.02 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.02 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.05 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.00 ppm
Benzene	71-43-2	1.00 ppm	1.02 ppm
1-Butanol	71-36-3	1.00 ppm	0.98 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.01 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.00 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.04 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.01 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.08 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.06 ppm
Toluene	108-88-3	1.00 ppm	1.05 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.06 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.07 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.04 ppm
n-Octane	111-65-9	1.00 ppm	1.02 ppm

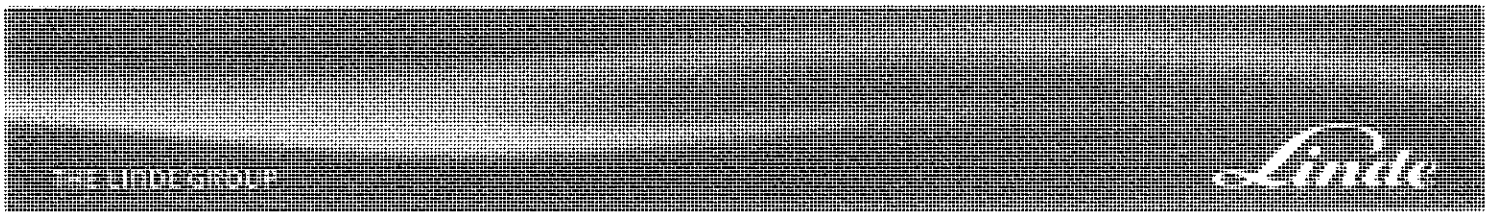


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.01 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.06 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.04 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.05 ppm
o-xylene	95-47-6	1.00 ppm	1.06 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.06 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.03 ppm
Nonane	111-84-2	1.00 ppm	1.01 ppm
Cumene	98-82-8	1.00 ppm	1.00 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.05 ppm
n-Propylbenzene	103-65-1	1.00 ppm	0.98 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.04 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (Analytical Accuracy +/- 10%)	98-83-9	1.00 ppm	1.05 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.05 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.05 ppm
n-Decane	124-18-5	1.00 ppm	1.04 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.04 ppm
sec-Butylbenzene	135-98-8	1.00 ppm	1.01 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.03 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.06 ppm
n-Butylbenzene	104-51-8	1.00 ppm	1.03 ppm
n-Undecane	1120-21-4	1.00 ppm	1.01 ppm



SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.07 ppm
n-Dodecane	112-40-3	1.00 ppm	1.00 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.00 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.07 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti **DATE:** 11/30/2010

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

G

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403 USA

ATO2-011-18

CERTIFICATE OF ANALYSIS

SGI ORDER # :	140016		
ITEM# :	1	**CYLINDER # :**	CC-279057
CERTIFICATION DATE:	12/11/2008	**CYLINDER PRES:**	2000 psig
P.O.# :	2282386	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/11/2009

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	107 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84582
ID: ATTO15GIS_00005
Exp: 11/15/11 Prpd: WRD Open: 12/01/10
Instrument G Internal Sta

SOURCE REFERENCE # 260788

ANALYST: Matthew Booth

DATE: 12/11/2008

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Instrument E

Recert 4/24/07

AT02-010-10

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

CERTIFICATE OF ANALYSIS

AT02008 12

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250117
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	104 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84581
ID: ATTO15ElSs_00004
Exp 11/15/11 Prpd WRD Open 12/08/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

15671
ID: atto15viss_00002
Exp: 12/7/2010 Prpd: WRD
Instrument B Internal Sta

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403

installed on Inst B 1/7/2010

CERTIFICATE OF ANALYSIS

SGI ORDER # :	155786		
ITEM# :	1	**CYLINDER # :**	CC-318016
CERTIFICATION DATE:	12/07/2009	**CYLINDER PRES:**	2000 psig
P.O.# :	2336911	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/07/2010

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	106 ppb
1,4-Difluorobenzene	100 ppb	104 ppb
Chlorobenzene-d5	100 ppb	103 ppb
4-Bromofluorobenzene	100 ppb	102 ppb
Nitrogen	Balance	Balance

84580
ID: ATTO15VISs_00004
Exp: 11/15/11 Prpd: WRD Open: 12/01/10
Instrument B Internal Sta

SOURCE REFERENCE #: 265214

ANALYST: Matthew Booth

DATE: 12/07/2009

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT~~06~~= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

Recert AT020/009 exp 12/14/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/9/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Recert AT02-010-05 1/10/08 → 1/14/09

Spectra Gases, Inc. LCS

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Recert AT-02-012-06 EXP 1/6/10 MTP 3/20/09

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

PAGE: 1 of 4

AT0200614 Lot # 242666 246

CERTIFICATE OF ANALYSIS

1/9/06 DWN

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

Recertified 1/12/07

90493

ID: ATTO15LCSs_00008

Exp: 11/30/11 Prpd: WRD Open: 12/14/10

TO15 Second Source Tank

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 12/29/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

THE LINDE GROUP

SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 4

260478
ID: ATTO15CALs_00008
Exp: 12/07/12 Prpd: WRD Open: 12/07/11
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.00 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.96 ppm
Chloromethane	74-87-3	1.00 ppm	0.98 ppm
Freon-114	76-14-2	1.00 ppm	0.97 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.98 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.00 ppm
Methanol (no stability guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.05 ppm
Bromomethane	74-83-9	1.00 ppm	1.01 ppm
Chloroethane	75-00-3	1.00 ppm	0.98 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.06 ppm
Acetonitrile (Analytical Accuracy +/-10%)	75-05-8	1.00 ppm	0.99 ppm
Acrolein (Analytical Accuracy +/-10%)	107-02-8	1.00 ppm	1.09 ppm
Isopentane	78-78-4	1.00 ppm	1.06 ppm
Acetone	67-64-1	1.00 ppm	1.06 ppm
Freon-11	75-69-4	1.00 ppm	0.98 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.99 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.98 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.03 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	0.97 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.04 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.02 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax

THE LINDE GROUP

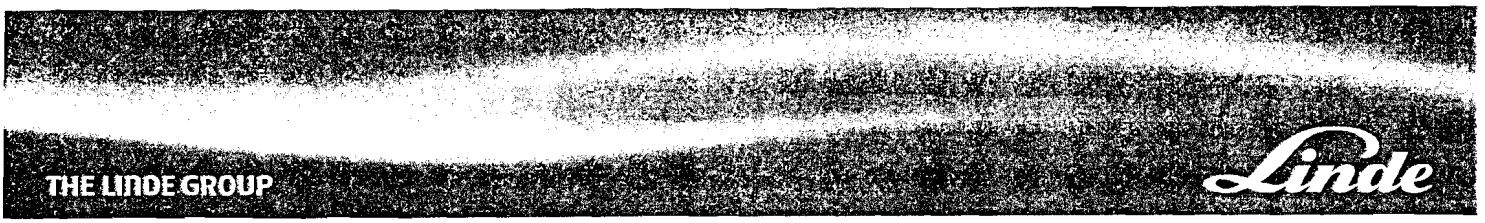
SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.03 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.08 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.02 ppm
Hexane	110-54-3	1.00 ppm	1.09 ppm
Chloroform	67-66-3	1.00 ppm	1.03 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.03 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.08 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.03 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.02 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol	71-36-3	1.00 ppm	1.02 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.05 ppm
Cyclohexane	110-82-7	1.00 ppm	1.06 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.04 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.04 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.02 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.06 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.11 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.07 ppm
Toluene	108-88-3	1.00 ppm	1.07 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.10 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.08 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm
n-Octane	111-65-9	1.00 ppm	1.05 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax



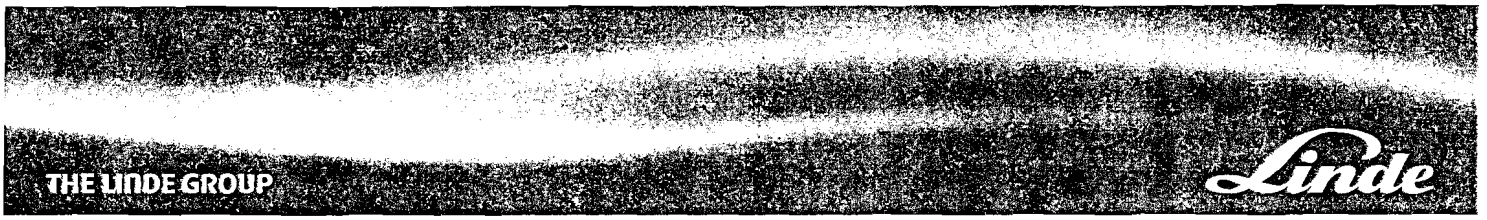
SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.00 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.08 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.06 ppm
p-xylene	106-42-3	1.00 ppm	1.04 ppm
m-xylene	108-38-3	1.00 ppm	1.04 ppm
Bromoform	75-25-2	1.00 ppm	1.04 ppm
Styrene	100-42-5	1.00 ppm	1.07 ppm
o-xylene	95-47-6	1.00 ppm	1.08 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.08 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.03 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.08 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.00 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.07 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.07 ppm
alpha-Methyl Styrene (no stability guarantee)	98-83-9	1.00 ppm	1.03 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.05 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.05 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.08 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.08 ppm
n-Decane	124-18-5	1.00 ppm	1.05 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.05 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.02 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.10 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.04 ppm
n-Undecane	1120-21-4	1.00 ppm	0.99 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com



SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.08 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.03 ppm
n-Dodecane	112-40-3	1.00 ppm	0.96 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.08 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Matthew Booth

DATE: Dec-07-2011

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

#24266
AT0200614 Lot ~~240~~

CERTIFICATE OF ANALYSIS

1/9/06 DMW

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

Recertified 1/12/10

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prpd WRD Open 12/14/10
TO15 Second Source Tank

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

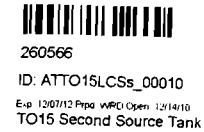
DATE: 12/29/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

TestAmerica Burlington

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: BTVLCS
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: allTO15.sub
Method File: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m
Misc Info: 200,1,



Client SDG: bkiswrd
Fraction: VOA
Client Smp ID: BTVLCS
Operator: wrd
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
1	Propene	40	41	102.72	70-130
2	Dichlorodifluorome	40	41	102.17	70-130
3	Chlorodifluorometh	40	41	103.31	70-130
4	1,2-Dichloro-1,1,2	40	41	102.51	70-130
5	Chloromethane	40	41	103.13	70-130
6	Butane	40	40	101.01	70-130
7	Vinyl chloride	40	41	103.17	70-130
8	1,3-Butadiene	40	42	105.66	70-130
9	Bromomethane	40	40	99.02	70-130
10	Chloroethane	40	40	100.91	70-130
11	2-Methylbutane	40	40	101.23	70-130
12	Vinyl bromide	40	41	102.72	70-130
13	Trichlorofluoromet	40	41	102.04	70-130
14	Pentane	40	40	99.45	70-130
15	Ethanol	60	0.0	*	70-130
16	Ethyl ether	40	39	97.23	70-130
17	1,1,2-Trichloro-1,	40	44	109.03	70-130
18	Acrolein	40	41	102.04	70-130
19	1,1-Dichloroethene	40	45	111.60	70-130
20	Acetone	40	40	99.00	70-130
21	Carbon disulfide	40	41	103.28	70-130
22	Isopropanol	40	46	115.82	70-130
23	Allyl chloride	40	42	104.41	70-130
24	Acetonitrile	40	41	101.75	70-130
25	Methylene chloride	40	43	108.02	70-130
26	Tert-butyl alcohol	40	44	108.86	70-130
27	Methyl tert-butyl	40	41	103.42	70-130
28	1,2-Dichloroethene	40	40	101.10	70-130
29	Acrylonitrile	40	42	105.27	70-130
30	n-Hexane	40	41	102.18	70-130
31	1,1-Dichloroethane	40	41	102.41	70-130
32	Vinyl acetate	40	42	105.40	70-130
M 33	1,2-Dichloroethene	80	82	102.50	70-130

	SPIKE	COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
	34	1,2-Dichloroethene	40	42	104.24	70-130
	35	Ethyl acetate	40	41	102.92	70-130
	36	Methyl Ethyl Keton	40	42	104.40	70-130
	38	Tetrahydrofuran	40	42	104.05	70-130
	39	Chloroform	40	41	102.35	70-130
	40	Cyclohexane	40	40	101.21	70-130
	41	1,1,1-Trichloroeth	40	40	100.92	70-130
	42	Carbon tetrachlori	40	40	100.02	70-130
	43	2,2,4-Trimethylpen	40	40	101.17	70-130
	44	Benzene	40	40	100.74	70-130
	45	1,2-Dichloroethane	40	41	102.01	70-130
	46	n-Heptane	40	41	101.41	70-130
	48	n-Butanol	40	47	117.21	70-130
	49	Trichloroethene	40	40	100.08	70-130
	50	1,2-Dichloropropan	40	40	99.31	70-130
	51	Methyl methacrylat	40	41	102.05	70-130
	52	Dibromomethane	40	40	100.03	70-130
	53	1,4-Dioxane	40	44	111.22	70-130
	54	Bromodichlorometha	40	41	103.52	70-130
	55	1,3-Dichloropropen	40	40	99.65	70-130
	56	Methyl isobutyl ke	40	42	104.94	70-130
	57	n-Octane	40	40	100.98	70-130
	58	Toluene	40	40	99.91	70-130
	59	1,3-Dichloropropen	40	40	100.59	70-130
	60	1,1,2-Trichloroeth	40	39	97.32	70-130
	61	Tetrachloroethene	40	39	98.45	70-130
	62	2-Hexanone	40	43	107.26	70-130
	63	Dibromochlorometha	40	41	103.60	70-130
	64	1,2-Dibromoethane	40	40	99.07	70-130
	66	Chlorobenzene	40	40	98.99	70-130
	67	n-Nonane	40	41	101.30	70-130
	68	Ethylbenzene	40	40	100.73	70-130
	69	Xylene (m,p)	80	79	99.35	70-130
M	70	Xylenes, Total	120	120	99.13	70-130
	71	Xylene (o)	40	39	98.68	70-130
	72	Styrene	40	40	100.22	70-130
	73	Bromoform	40	41	102.39	70-130
	74	Isopropylbenzene	40	41	101.83	70-130
	75	1,1,2,2-Tetrachlor	40	40	98.91	70-130
	76	n-Propylbenzene	40	41	101.62	70-130
	77	1,2,3-Trichloropro	40	41	101.92	70-130
	78	n-Decane	40	41	101.87	70-130
	79	4-Ethyltoluene	40	41	102.53	70-130
	80	2-Chlorotoluene	40	41	102.49	70-130
	81	1,3,5-Trimethylben	40	40	100.65	70-130
	82	Alpha Methyl Styre	40	41	101.84	70-130
	83	tert-butylbenzene	40	41	102.53	70-130

SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
84 1,2,4-Trimethylben	40	40	99.57	70-130
85 sec-Butylbenzene	40	41	102.21	70-130
86 4-Isopropyltoluene	40	41	102.84	70-130
87 1,3-Dichlorobenzen	40	40	99.21	70-130
88 1,4-Dichlorobenzen	40	40	98.94	70-130
89 Benzyl chloride	40	48	120.94	70-130
90 Undecane	40	41	103.26	70-130
91 n-Butylbenzene	40	41	102.58	70-130
92 1,2-Dichlorobenzen	40	39	97.14	70-130
93 Dodecane	40	37	93.36	70-130
94 1,2,4-Trichloroben	40	37	93.22	70-130
95 1,3-Hexachlorobuta	40	37	92.09	70-130
96 Naphthalene	40	40	100.83	70-130
97 1,2,3-Trichloroben	40	37	91.31	70-130

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prod WFD: Open 12/14/12
TO15 Second Source Tank

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i
Lab File ID: bkis008.d
Analysis Type: AIR
Lab Sample ID: BTVLCS
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

Injection Date: 02-DEC-2011 21:22
Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Init. Cal. Times: 19:38 19:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Propene	0.15634	0.16060	0.010	-2.72293	30.00000	Averaged	
2 Dichlorodifluoromethane	1.24541	1.27240	0.010	-2.16761	30.00000	Averaged	
3 Chlorodifluoromethane	0.43806	0.45256	0.010	-3.31017	30.00000	Averaged	
4 1,2-Dichloro-1,1,2,2-tetraf	1.21378	1.24424	0.010	-2.50957	30.00000	Averaged	
5 Chloromethane	0.23145	0.23869	0.010	-3.12837	30.00000	Averaged	
6 Butane	0.35340	0.35697	0.010	-1.00886	30.00000	Averaged	
7 Vinyl chloride	0.35162	0.36278	0.010	-3.17267	30.00000	Averaged	
8 1,3-Butadiene	0.24282	0.25657	0.010	-5.66400	30.00000	Averaged	
9 Bromomethane	0.70776	0.70079	0.010	0.98427	30.00000	Averaged	
10 Chloroethane	0.31944	0.32236	0.010	-0.91347	30.00000	Averaged	
11 2-Methylbutane	0.48032	0.48622	0.010	-1.22950	30.00000	Averaged	
12 Vinyl bromide	0.99445	1.02154	0.010	-2.72375	30.00000	Averaged	
13 Trichlorofluoromethane	2.14025	2.18389	0.010	-2.03938	30.00000	Averaged	
14 Pentane	0.82843	0.82388	0.010	0.54979	30.00000	Averaged	
15 Ethanol	++++	++++	0.010	++++	30.00000	Averaged	<-
16 Ethyl ether	0.56587	0.55022	0.010	2.76663	30.00000	Averaged	
17 1,1,2-Trichloro-1,2,2-trifl	1.92906	2.10322	0.010	-9.02824	30.00000	Averaged	
18 Acrolein	0.24599	0.25100	0.010	-2.03646	30.00000	Averaged	
19 1,1-Dichloroethene	1.00107	1.11716	0.010	-11.59701	30.00000	Averaged	
20 Acetone	0.78277	0.77496	0.010	0.99721	30.00000	Averaged	
21 Carbon disulfide	2.67833	2.76612	0.010	-3.27813	30.00000	Averaged	
22 Isopropanol	0.59757	0.69209	0.010	-15.81882	30.00000	Averaged	
23 Allyl chloride	0.65415	0.68298	0.010	-4.40805	30.00000	Averaged	
24 Acetonitrile	0.41133	0.41854	0.010	-1.75302	30.00000	Averaged	
25 Methylene chloride	0.64397	0.69561	0.010	-8.01919	30.00000	Averaged	
26 Tert-butyl alcohol	1.17483	1.27887	0.010	-8.85576	30.00000	Averaged	
27 Methyl tert-butyl ether	2.31031	2.38924	0.010	-3.41618	30.00000	Averaged	
28 1,2-Dichloroethene (trans)	1.01084	1.02195	0.010	-1.09869	30.00000	Averaged	
29 Acrylonitrile	0.51530	0.54248	0.010	-5.27328	30.00000	Averaged	
30 n-Hexane	1.12739	1.15199	0.010	-2.18186	30.00000	Averaged	
31 1,1-Dichloroethane	1.34445	1.37681	0.100	-2.40712	30.00000	Averaged	
32 Vinyl acetate	1.30721	1.37785	0.010	-5.40388	30.00000	Averaged	
M 33 1,2-Dichloroethene,Total	1.04484	1.07329	0.010	-2.72246	30.00000	Averaged	
34 1,2-Dichloroethene (cis)	1.07884	1.12463	0.010	-4.24388	30.00000	Averaged	
35 Ethyl acetate	0.09234	0.09504	0.010	-2.91728	30.00000	Averaged	
36 Methyl Ethyl Ketone	0.40541	0.42323	0.010	-4.39747	30.00000	Averaged	

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 Tetrahydrofuran	0.12400	0.12903	0.010	-4.04957	30.00000	Averaged
39 Chloroform	1.80634	1.84873	0.010	-2.34647	30.00000	Averaged
40 Cyclohexane	0.27639	0.27972	0.010	-1.20583	30.00000	Averaged
41 1,1,1-Trichloroethane	0.40237	0.40609	0.010	-0.92487	30.00000	Averaged
42 Carbon tetrachloride	0.45533	0.45542	0.010	-0.02151	30.00000	Averaged
43 2,2,4-Trimethylpentane	0.67714	0.68508	0.010	-1.17280	30.00000	Averaged
44 Benzene	0.58038	0.58465	0.010	-0.73599	30.00000	Averaged
45 1,2-Dichloroethane	0.19911	0.20312	0.010	-2.01242	30.00000	Averaged
46 n-Heptane	0.19918	0.20199	0.010	-1.41020	30.00000	Averaged
48 n-Butanol	0.07641	0.08955	0.010	-17.20570	30.00000	Averaged
49 Trichloroethene	0.29051	0.29074	0.010	-0.07599	30.00000	Averaged
50 1,2-Dichloropropane	0.19100	0.18968	0.010	0.69072	30.00000	Averaged
51 Methyl methacrylate	0.20786	0.21212	0.010	-2.05037	30.00000	Averaged
52 Dibromomethane	0.31474	0.31484	0.010	-0.03287	30.00000	Averaged
53 1,4-Dioxane	0.08495	0.09447	0.010	-11.21585	30.00000	Averaged
54 Bromodichloromethane	0.42143	0.43625	0.010	-3.51619	30.00000	Averaged
55 1,3-Dichloropropene (cis)	0.33819	0.33700	0.010	0.35098	30.00000	Averaged
56 Methyl isobutyl ketone	0.25293	0.26544	0.010	-4.94494	30.00000	Averaged
57 n-Octane	0.20627	0.20829	0.010	-0.97972	30.00000	Averaged
58 Toluene	0.46235	0.46192	0.010	0.09315	30.00000	Averaged
59 1,3-Dichloropropene (trans)	0.33831	0.34031	0.010	-0.59101	30.00000	Averaged
60 1,1,2-Trichloroethane	0.24617	0.23957	0.010	2.67925	30.00000	Averaged
61 Tetrachloroethene	0.52336	0.51523	0.010	1.55370	30.00000	Averaged
62 2-Hexanone	0.27112	0.29081	0.010	-7.26312	30.00000	Averaged
63 Dibromochloromethane	0.57154	0.59209	0.010	-3.59580	30.00000	Averaged
64 1,2-Dibromoethane	0.52434	0.51944	0.010	0.93344	30.00000	Averaged
66 Chlorobenzene	0.79218	0.78414	0.300	1.01480	30.00000	Averaged
67 n-Nonane	0.31517	0.31927	0.010	-1.29799	30.00000	Averaged
68 Ethylbenzene	1.06790	1.07570	0.010	-0.73001	30.00000	Averaged
69 Xylene (m,p)	0.40436	0.40172	0.010	0.65153	30.00000	Averaged
M 70 Xylenes, Total	1.25462	1.24348	0.010	0.88797	30.00000	Averaged
71 Xylene (o)	0.44590	0.44003	0.010	1.31680	30.00000	Averaged
72 Styrene	0.70237	0.70393	0.010	-0.22171	30.00000	Averaged
73 Bromoform	0.54585	0.55889	0.010	-2.38917	30.00000	Averaged
74 Isopropylbenzene	1.24994	1.27286	0.010	-1.83358	30.00000	Averaged

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
75 1,1,2,2-Tetrachloroethane	0.56511	0.55897	0.010	1.08641	30.00000	Averaged
76 n-Propylbenzene	1.14718	1.16574	0.010	-1.61772	30.00000	Averaged
77 1,2,3-Trichloropropane	0.33232	0.33870	0.010	-1.92019	30.00000	Averaged
78 n-Decane	0.34483	0.35127	0.010	-1.86815	30.00000	Averaged
79 4-Ethyltoluene	1.14490	1.17386	0.010	-2.52882	30.00000	Averaged
80 2-Chlorotoluene	0.99901	1.02391	0.010	-2.49188	30.00000	Averaged
81 1,3,5-Trimethylbenzene	1.01834	1.02495	0.010	-0.64916	30.00000	Averaged
82 Alpha Methyl Styrene	0.61340	0.62468	0.010	-1.83919	30.00000	Averaged
83 tert-butylbenzene	1.00745	1.03291	0.010	-2.52687	30.00000	Averaged
84 1,2,4-Trimethylbenzene	1.00990	1.00553	0.010	0.43270	30.00000	Averaged
85 sec-Butylbenzene	1.41605	1.44730	0.010	-2.20647	30.00000	Averaged
86 4-Isopropyltoluene	1.24407	1.27938	0.010	-2.83808	30.00000	Averaged
87 1,3-Dichlorobenzene	0.82411	0.81764	0.010	0.78604	30.00000	Averaged
88 1,4-Dichlorobenzene	0.83260	0.82374	0.010	1.06443	30.00000	Averaged
89 Benzyl chloride	0.82450	0.99713	0.010	-20.93732	30.00000	Averaged
90 Undecane	0.29725	0.30693	0.010	-3.25804	30.00000	Averaged
91 n-Butylbenzene	0.80815	0.82904	0.010	-2.58486	30.00000	Averaged
92 1,2-Dichlorobenzene	0.80394	0.78094	0.010	2.86051	30.00000	Averaged
93 Dodecane	0.30550	0.28521	0.010	6.64042	30.00000	Averaged
94 1,2,4-Trichlorobenzene	0.63609	0.59297	0.010	6.77768	30.00000	Averaged
95 1,3-Hexachlorobutadiene	0.39526	0.36398	0.010	7.91427	30.00000	Averaged
96 Naphthalene	1.37515	1.38659	0.010	-0.83171	30.00000	Averaged
97 1,2,3-Trichlorobenzene	0.52513	0.47949	0.010	8.69156	30.00000	Averaged

METHODOLOGY SUMMARY

Laboratory:	TestAmerica Laboratories	Project No:	NA
Location:	South Burlington, Vermont	SDG No:	200-9749-1

VOA

Volatile Organics - NJDEP-LLTO-15

CASE NARRATIVE

Client: Bureau Veritas North America, Inc.

Project: Fort Monmouth

Report Number: 200-9749-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 03/10/2012; the samples arrived in good condition.

Upon receipt, a post-sampling pressure check was performed that identified eight of the received samples near ambient pressure or under positive pressure. The associated flow controllers were tested upon receipt and found acceptable. The laboratory proceeded with the analysis of the samples per client request.
Samples BLDG 602 IA-3, BLDG 602 AA-2, BLDG 602 IA-10, BLDG 602 SS-4 and BLDG 1001 IA-7 were received on 03/10/2012 and were not analyzed per client request.

VOLATILE ORGANIC COMPOUNDS

Samples BLDG1001 IA-7-R, BLDG283 IA-1, BLDG283 IA-2, BLDG283 AA-1, BLDG101 AA-4, BLDG283 SS-1, BLDG283 SS-2, BLDG283 SS-3, BLDG1001 SS-11, BLDG1001 SS-12, BLDG699 IA-4, BLDG699 AA-3 and BLDG700 IA-5 were analyzed for Volatile Organic Compounds in accordance with NJDEP-LLTO-15. The samples were analyzed on 03/13/2012, 03/14/2012, 03/20/2012, 03/21/2012 and 03/27/2012.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/5 Client Sample ID:

Date Analyzed: 02/24/12 11:42 Lab File ID: ckq005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:37

Lab Sample ID: IC 200-34198/6 Client Sample ID:

Date Analyzed: 02/24/12 12:32 Lab File ID: ckq006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: ICIS 200-34198/7 Client Sample ID:

Date Analyzed: 02/24/12 13:22 Lab File ID: ckq007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: IC 200-34198/8 Client Sample ID:

Date Analyzed: 02/24/12 14:13 Lab File ID: ckq008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:39

Lab Sample ID: IC 200-34198/9 Client Sample ID:

Date Analyzed: 02/24/12 15:03 Lab File ID: ckq009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:40

TO15LL/NJ

jd1 Jennifer Mayo 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/10 Client Sample ID:

Date Analyzed: 02/24/12 15:53 Lab File ID: ckq010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:41

Lab Sample ID: ICV 200-34198/16 Client Sample ID:

Date Analyzed: 02/24/12 20:54 Lab File ID: ckq016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:46

jd1 Jennifer Magno 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 35378

Lab Sample ID: CCVIS 200-35378/2 Client Sample ID:

Date Analyzed: 03/20/12 13:03 Lab File ID: ckqr002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/21/12 11:19

Lab Sample ID: LCS 200-35378/4 Client Sample ID:

Date Analyzed: 03/20/12 15:39 Lab File ID: ckqr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.74	Baseline event	pd	03/20/12 16:17
1,1,1-Trichloroethane	11.41	Baseline event	pd	03/20/12 16:17
1,2-Dichloroethane	11.98	Analyte misidentified by the data system	pd	03/20/12 16:17

Lab Sample ID: CCVC 200-35378/27 Client Sample ID:

Date Analyzed: 03/21/12 10:47 Lab File ID: ckqr027.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	03/21/12 13:12

PAD 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 35786

Lab Sample ID: CCVIS 200-35786/2 Client Sample ID:

Date Analyzed: 03/27/12 11:26 Lab File ID: ckqw002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/28/12 09:02

PAD 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: G.i Analysis Batch Number: 34961

Lab Sample ID: LCS 200-34961/4 Client Sample ID:

Date Analyzed: 03/13/12 12:33 Lab File ID: gghh004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.06	Baseline event	pd	03/13/12 12:58

PAD 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/5 Client Sample ID:

Date Analyzed: 02/24/12 11:42 Lab File ID: ckq005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:37

Lab Sample ID: IC 200-34198/6 Client Sample ID:

Date Analyzed: 02/24/12 12:32 Lab File ID: ckq006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: ICIS 200-34198/7 Client Sample ID:

Date Analyzed: 02/24/12 13:22 Lab File ID: ckq007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: IC 200-34198/8 Client Sample ID:

Date Analyzed: 02/24/12 14:13 Lab File ID: ckq008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:39

Lab Sample ID: IC 200-34198/9 Client Sample ID:

Date Analyzed: 02/24/12 15:03 Lab File ID: ckq009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:40

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/10 Client Sample ID:

Date Analyzed: 02/24/12 15:53 Lab File ID: ckq010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:41

Lab Sample ID: ICV 200-34198/16 Client Sample ID:

Date Analyzed: 02/24/12 20:54 Lab File ID: ckq016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:46

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 35378

Lab Sample ID: CCVIS 200-35378/2 Client Sample ID:

Date Analyzed: 03/20/12 13:03 Lab File ID: ckqr002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/21/12 11:19

Lab Sample ID: LCS 200-35378/4 Client Sample ID:

Date Analyzed: 03/20/12 15:39 Lab File ID: ckqr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.74	Baseline event	pd	03/20/12 16:17
1,1,1-Trichloroethane	11.41	Baseline event	pd	03/20/12 16:17
1,2-Dichloroethane	11.98	Analyte misidentified by the data system	pd	03/20/12 16:17

Lab Sample ID: CCVC 200-35378/27 Client Sample ID:

Date Analyzed: 03/21/12 10:47 Lab File ID: ckqr027.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	03/21/12 13:12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Analysis Batch Number: 35786

Lab Sample ID: CCVIS 200-35786/2 Client Sample ID:

Date Analyzed: 03/27/12 11:26 Lab File ID: ckqw002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/28/12 09:02

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: G.i Analysis Batch Number: 34961

Lab Sample ID: LCS 200-34961/4 Client Sample ID:

Date Analyzed: 03/13/12 12:33 Lab File ID: gghh004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.06	Baseline event	pd	03/13/12 12:58

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.52		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	0.20	U	0.6			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	0.20	U	0.6			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	0.20	U	0.6			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.54		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	2.0	U	6			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	2.0	U	6			

TARGET/NON TARGET ANALYTES - AIR RESULTS

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	2.0	U	6			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.52		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.58		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.53		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Benzene	71-43-2	78.11	0.20	U	0.6			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Benzene	71-43-2	78.11	0.20	U	0.6			

DATA REPORTING QUALIFIERS

Client: Bureau Veritas North America, Inc.

Job Number: 200-9749-1
Sdg Number: 200-9749-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	Matrix:	Air	QA Review:	Kirstin McCracken		
PREP METHOD:	NA	Instrument(s):	C,B,G	Date Approved:	2/25/2011		
CLEANUP METHOD(s):	NA			TALS Entry:	2/25/2011 (TO15) 05/18/11 (NJLLTO15)		
ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3	0.2	3.7	1.5
1,1,2,2-Tetrachloroethane	79-34-5	0.040	0.13	3	0.2	3.3	1.5
1,1,2-Trichloroethane	79-00-5	0.019	0.04	1	0.2	2.1	5.0
1,1-Dichloroethane	75-34-3	0.035	0.13	3	0.2	3.7	1.5
1,1-Dichloroethene	75-35-4	0.030	0.08	2	0.2	2.7	2.5
1,2,4-Trichlorobenzene	120-82-1	0.050	0.13	3	0.5	2.6	3.8
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	3	0.2	2.5	1.5
1,2-Dibromoethane	106-93-4	0.018	0.04	1	0.2	2.2	5.0
1,2-Dichlorobenzene	95-50-1	0.048	0.13	3	0.2	2.7	1.5
1,2-Dichloroethane	107-06-2	0.031	0.08	2	0.2	2.6	2.5
1,2-Dichloropropane	78-87-5	0.014	0.04	1	0.2	2.9	5.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2	0.2	2.5	2.5
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	3	0.2	2.5	1.5
1,3-Butadiene	106-99-0	0.010	0.04	1	0.2	4.0	5.0
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3	0.2	3.0	1.5
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3	0.2	3.0	1.5
1,4-Dioxane	123-91-1	0.088	0.32	5	5.0	3.6	15.6
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3	0.2	3.6	1.5
2-Chlorotoluene	95-49-8	0.047	0.13	3	0.2	2.8	1.5
3-Chloropropene	107-05-1	0.019	0.04	1	0.2	2.1	5.0
4-Ethyltoluene	622-96-8	0.046	0.13	3	0.2	2.8	1.5
Acetone	67-64-1	0.045	0.13	3	5.0	2.9	38.5
Benzene	71-43-2	0.018	0.04	1	0.2	2.2	5.0
Bromodichloromethane	75-27-4	0.028	0.08	2	0.2	2.9	2.5
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	1	0.2	2.1	5.0
Bromoform	75-25-2	0.019	0.04	1	0.2	2.1	5.0
Bromomethane	74-83-9	0.012	0.04	1	0.2	3.3	5.0
Carbon disulfide	75-15-0	0.066	0.20	4	0.5	3.0	2.5
Carbon tetrachloride	56-23-5	0.033	0.13	3	0.2	3.9	1.5
Chlorobenzene	108-90-7	0.020	0.08	2	0.2	4.0	2.5
Chloroethane	75-00-3	0.016	0.04	1	0.5	2.5	12.5
Chloroform	67-66-3	0.031	0.08	2	0.2	2.6	2.5
Chloromethane	74-87-3	0.013	0.04	1	0.5	3.1	12.5
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	1	0.2	2.9	5.0
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	1	0.2	2.5	5.0
Cyclohexane	110-82-7	0.039	0.13	3	0.2	3.3	1.5
Dibromochloromethane	124-48-1	0.021	0.08	2	0.2	3.8	2.5

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	**Matrix:**	Air	**QA Review:**	Kirstin McCracken
PREP METHOD:	NA	**Instrument(s):**	C,B,G	**Date Approved:**	2/25/2011
CLEANUP METHOD(s):	NA			**TALS Entry:**	2/25/2011 (TO15) 05/18/11 (NJLLTO15)

ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
Dichlorodifluoromethane	75-71-8	0.038	0.13	3	0.5	3.4	3.8
Ethylbenzene	100-41-4	0.022	0.08	2	0.2	3.6	2.5
Freon TF	76-13-1	0.010	0.04	1	0.2	4.0	5.0
Hexachlorobutadiene	87-68-3	0.065	0.20	4	0.2	3.1	1.0
Isopropyl alcohol	67-63-0	0.037	0.13	3	5.0	3.5	38.5
m,p-Xylene	179601-23-1	0.048	0.16	2	0.5	3.3	3.1
Methyl Ethyl Ketone	78-93-3	0.017	0.04	1	0.5	2.4	12.5
Methyl isobutyl ketone	108-10-1	0.026	0.08	2	0.5	3.1	6.3
Methyl methacrylate	80-62-6	0.013	0.04	1	0.5	3.1	12.5
Methyl tert-butyl ether	1634-04-4	0.016	0.04	1	0.2	2.5	5.0
Methylene Chloride	75-09-2	0.013	0.04	1	0.5	3.1	12.5
n-Heptane	142-82-5	0.010	0.04	1	0.2	4.0	5.0
n-Hexane	110-54-3	0.026	0.08	2	0.2	3.1	2.5
Styrene	100-42-5	0.030	0.08	2	0.2	2.7	2.5
tert-Butyl alcohol	75-65-0	0.071	0.20	4	5.0	2.8	25.0
Tetrachloroethene	127-18-4	0.011	0.04	1	0.2	3.6	5.0
Tetrahydrofuran	109-99-9	0.018	0.04	1	5.0	2.2	125.0
Toluene	108-88-3	0.018	0.04	1	0.2	2.2	5.0
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2	0.2	2.5	2.5
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	2	0.2	4.0	2.5
Trichloroethene	79-01-6	0.030	0.08	2	0.2	2.7	2.5
Trichlorofluoromethane	75-69-4	0.034	0.13	3	0.2	3.8	1.5
Vinyl chloride	75-01-4	0.029	0.08	2	0.2	2.8	2.5
Xylene, o-	95-47-6	0.022	0.08	2	0.2	3.6	2.5

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Propylene	115-07-1	0.1	0.201886	0.168632	0.162309	0.158971	0.152917	0.159792	0.150441	0.165	165%	0.01733	0.054	1.9
Chloromethane	74-87-3	0.1	0.165405	0.159883	0.163044	0.160587	0.153933	0.154525	0.16017	0.160	160%	0.00418	0.013	7.6
n-Butane	106-97-8	0.1	0.140329	0.140564	0.133993	0.136954	0.131432	0.140465	0.137179	0.137	137%	0.00354	0.011	9.0
1,3-Butadiene	106-99-0	0.1	0.119494	0.121087	0.11532	0.115429	0.119153	0.122895	0.114225	0.118	118%	0.00328	0.010	9.7
Bromomethane	74-83-9	0.1	0.110669	0.118524	0.114182	0.110876	0.108519	0.107532	0.111284	0.112	112%	0.00370	0.012	8.6
Chloroethane	75-00-3	0.1	0.112488	0.102587	0.101849	0.11191	0.107437	0.105195	0.11448	0.108	108%	0.00505	0.016	6.3
Bromoethene(Vinyl Bromide)	593-60-2	0.1	0.117344	0.111688	0.112182	0.114578	0.103814	0.100533	0.108972	0.110	110%	0.00593	0.019	5.4
Ethanol	64-17-5	1.0	1.129074	1.077447	1.070299	1.054504	1.048517	0.98851	1.073392	1.063	106%	0.04197	0.132	7.6
Freon TF	76-13-1	0.1	0.124396	0.115525	0.120101	0.119314	0.123814	0.117877	0.122527	0.121	121%	0.00325	0.010	9.8
1,1-Dichloroethene	75-35-4	0.1	0.114737	0.142534	0.136879	0.14222	0.132263	0.138772	0.130317	0.134	134%	0.00965	0.030	3.3
Acetone	67-64-1	0.1	0.18759	0.181695	0.211068	0.215413	0.214341	0.189862	0.209649	0.201	201%	0.01436	0.045	2.2
Carbon disulfide	75-15-0	0.1	0.150015	0.114565	0.116591	0.1668	0.119379	0.113882	0.120895	0.129	129%	0.02089	0.066	1.5
3-Chloropropene	107-05-1	0.1	0.143459	0.136033	0.128334	0.138929	0.130651	0.129027	0.128202	0.134	134%	0.00603	0.019	5.3
Methylene Chloride	75-09-2	0.1	0.212597	0.204052	0.207541	0.20431	0.200664	0.211436	0.205404	0.207	207%	0.00426	0.013	7.5
Methyl tert-butyl ether	1634-04-4	0.1	0.084878	0.09868	0.095022	0.092174	0.096515	0.088745	0.097008	0.093	93%	0.00498	0.016	6.4
Methyl Ethyl Ketone	78-93-3	0.1	0.076069	0.078249	0.078262	0.083165	0.071556	0.070797	0.084597	0.078	78%	0.00526	0.017	6.1
cis-1,2-Dichloroethene	156-59-2	0.1	0.116429	0.11738	0.117473	0.12595	0.116589	0.12624	0.119778	0.120	120%	0.00432	0.014	7.4
Tetrahydrofuran	109-99-9	0.1	0.116694	0.118185	0.113593	0.104418	0.108272	0.104676	0.107916	0.111	111%	0.00562	0.018	5.7
Benzene	71-43-2	0.1	0.125144	0.113526	0.112767	0.123129	0.1235	0.114263	0.125609	0.120	120%	0.00587	0.018	5.4
n-Heptane	142-82-5	0.1	0.138148	0.132893	0.130938	0.13424	0.129195	0.137187	0.132969	0.134	134%	0.00320	0.010	10.0
Methyl methacrylate	80-62-6	0.1	0.065461	0.055557	0.055579	0.052471	0.061264	0.057491	0.056724	0.058	58%	0.00429	0.013	7.4
1,2-Dichloropropane	78-87-5	0.1	0.112582	0.110862	0.119347	0.105356	0.117156	0.114615	0.111	0.113	113%	0.00461	0.014	6.9
cis-1,3-Dichloropropene	10061-01-5	0.1	0.09503	0.095013	0.103175	0.092231	0.103901	0.101875	0.103521	0.099	99%	0.00495	0.016	6.4
Methyl isobutyl ketone	108-10-1	0.1	0.085914	0.065499	0.06518	0.060979	0.063268	0.069512	0.071963	0.069	69%	0.00836	0.026	3.8
Toluene	108-88-3	0.1	0.104017	0.098623	0.09943	0.096982	0.112156	0.109859	0.103033	0.103	103%	0.00575	0.018	5.5
trans-1,3-Dichloropropene	10061-02-6	0.1	0.089231	0.077201	0.090047	0.081231	0.092555	0.094624	0.090722	0.088	88%	0.00633	0.020	5.0
1,1,2-Trichloroethane	79-00-5	0.1	0.102173	0.086668	0.098645	0.088923	0.097124	0.101315	0.095875	0.096	96%	0.00594	0.019	5.4
Tetrachloroethene	127-18-4	0.1	0.1141	0.10691	0.106164	0.102583	0.107866	0.108916	0.109129	0.108	108%	0.00349	0.011	9.1
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.1	0.090706	0.057995	0.055444	0.060484	0.058376	0.072349	0.06854	0.066	66%	0.01239	0.039	2.6
1,2-Dibromoethane	106-93-4	0.1	0.088744	0.080998	0.085726	0.077404	0.092283	0.091473	0.091337	0.087	87%	0.00576	0.018	5.5
Chlorobenzene	108-90-7	0.1	0.104572	0.094689	0.102645	0.089763	0.106775	0.104137	0.103822	0.101	101%	0.00623	0.020	5.1
Ethylbenzene	100-41-4	0.1	0.100081	0.084239	0.086793	0.08204	0.094731	0.096336	0.096457	0.092	92%	0.00703	0.022	4.5
m,p-Xylene	179601-23-1	0.2	0.191147	0.15116	0.153964	0.144553	0.158286	0.168653	0.160355	0.161	81%	0.01523	0.048	4.2

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11					
	Instrument ID:		C	C	C	C	C	C	C					
	Column Type:		RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Xylene, o-	95-47-6	0.1	0.092156	0.072736	0.076065	0.06986	0.077021	0.077813	0.080062	0.078	78%	0.00711	0.022	4.5
Xylene (total)	1330-20-7	0.3	0.283303	0.223896	0.230029	0.214413	0.235307	0.246466	0.240417	0.239	80%	0.02216	0.070	4.3
Styrene	100-42-5	0.1	0.079444	0.052929	0.054975	0.054926	0.060044	0.069955	0.064642	0.062	62%	0.00965	0.030	3.3
Bromoform	75-25-2	0.1	0.078501	0.065637	0.070755	0.067683	0.0806	0.07696	0.079403	0.074	74%	0.00608	0.019	5.2
Cumene	98-82-8	0.1	0.095283	0.070482	0.07076	0.063346	0.072837	0.077886	0.074022	0.075	75%	0.01000	0.031	3.2
1,1,2,2-Tetrachloroethane	79-34-5	0.1	0.099837	0.065833	0.066168	0.061731	0.069252	0.074969	0.072	0.073	73%	0.01268	0.040	2.5
n-Propylbenzene	103-65-1	0.1	0.103308	0.059047	0.059621	0.061326	0.065671	0.080792	0.075052	0.072	72%	0.01603	0.050	2.0
4-Ethyltoluene	622-96-8	0.1	0.094588	0.05482	0.052207	0.055453	0.058437	0.068373	0.066731	0.064	64%	0.01465	0.046	2.2
1,3,5-Trimethylbenzene	108-67-8	0.1	0.095188	0.049424	0.047731	0.054539	0.056337	0.065158	0.061781	0.061	61%	0.01612	0.051	2.0
2-Chlorotoluene	95-49-8	0.1	0.111812	0.071421	0.07439	0.071252	0.078649	0.095528	0.086825	0.084	84%	0.01503	0.047	2.1
tert-Butylbenzene	98-06-6	0.1	0.093453	0.05339	0.053064	0.054763	0.052612	0.070296	0.066548	0.063	63%	0.01505	0.047	2.1
1,2,4-Trimethylbenzene	95-63-6	0.1	0.094887	0.051608	0.04733	0.052091	0.052102	0.066753	0.060763	0.061	61%	0.01641	0.052	1.9
sec-Butylbenzene	135-98-8	0.1	0.095246	0.053444	0.052475	0.05586	0.057899	0.069545	0.066887	0.064	64%	0.01506	0.047	2.1
4-Isopropyltoluene	99-87-6	0.1	0.091286	0.049526	0.047713	0.052875	0.053957	0.066682	0.062989	0.061	61%	0.01515	0.048	2.1
1,3-Dichlorobenzene	541-73-1	0.1	0.105305	0.066618	0.070909	0.071451	0.075396	0.092047	0.084338	0.081	81%	0.01387	0.044	2.3
1,4-Dichlorobenzene	106-46-7	0.1	0.107508	0.071551	0.071442	0.068635	0.076327	0.092563	0.083615	0.082	82%	0.01412	0.044	2.3
Benzyl chloride	100-44-7	0.1	0.088409	0.050406	0.04318	0.053207	0.053591	0.062927	0.065875	0.060	60%	0.01478	0.046	2.2
n-Butylbenzene	104-51-8	0.1	0.102595	0.057155	0.054602	0.059518	0.055489	0.078783	0.073601	0.069	69%	0.01763	0.055	1.8
1,2-Dichlorobenzene	95-50-1	0.1	0.105593	0.063974	0.064478	0.066942	0.067663	0.085546	0.078821	0.076	76%	0.01530	0.048	2.1
1,2,4-Trichlorobenzene	120-82-1	0.1	0.125953	0.088833	0.083915	0.092056	0.075633	0.097677	0.095966	0.094	94%	0.01585	0.050	2.0
Hexachlorobutadiene	87-68-3	0.1	0.125395	0.070704	0.066347	0.075212	0.080216	0.101958	0.090911	0.087	87%	0.02078	0.065	1.5
Naphthalene	91-20-3	0.1	0.153406	0.094229	0.08418	0.089415	0.06532	0.086159	0.092889	0.095	95%	0.02746	0.086	1.2
1,2,3-Trichlorobenzene	87-61-6	0.1	0.175473	0.109206	0.103483	0.106023	0.091721	0.120446	0.12221	0.118	118%	0.02723	0.086	1.2
1,2,3-Trichloropropane	96-18-4	0.1	0.119066	0.075287	0.082099	0.080993	0.079014	0.088707	0.083388	0.087	87%	0.01475	0.046	2.2
Acetonitrile	75-05-8	0.1	0.154764	0.143517	0.157853	0.159604	0.156452	0.170337	0.169258	0.159	159%	0.00912	0.029	3.5
Ethyl ether	60-29-7	0.1	0.084561	0.088569	0.100242	0.08943	0.088009	0.085437	0.086851	0.089	89%	0.00524	0.016	6.1
n-Decane	124-18-5	0.1	0.112638	0.068054	0.068073	0.071016	0.072912	0.092115	0.083833	0.081	81%	0.01649	0.052	1.9
n-Nonane	111-84-2	0.1	0.108973	0.078618	0.086928	0.085352	0.094762	0.107086	0.09574	0.094	94%	0.01126	0.035	2.8
n-Octane	111-65-9	0.1	0.123363	0.125913	0.13344	0.124434	0.135838	0.132598	0.131656	0.130	130%	0.00493	0.016	6.4
n-Dodecane	112-40-3	0.1	0.156697	0.085762	0.086583	0.097223	0.071921	0.101365	0.10625	0.101	101%	0.02717	0.085	1.2
n-Undecane	1120-21-4	0.1	0.124095	0.070139	0.068288	0.075982	0.072383	0.094889	0.087882	0.085	85%	0.01990	0.063	1.6
n-Pentane	109-66-0	0.1	0.117879	0.117435	0.119922	0.12321	0.112351	0.121227	0.117383	0.118	118%	0.00347	0.011	9.2
Alpha Methyl Styrene	98-83-9	0.1	0.075232	0.043867	0.042138	0.047597	0.048387	0.059613	0.055831	0.053	53%	0.01153	0.036	2.8

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11					
	Instrument ID:		C	C	C	C	C	C	C					
	Column Type:		RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Ethyl acetate	141-78-6	0.5	0.439877	0.434768	0.480298	0.463171	0.438717	0.444977	0.441152	0.449	90%	0.01658	0.052	9.6
Isopentane	78-78-4	0.5	0.506619	0.499204	0.510851	0.508719	0.485693	0.502944	0.49703	0.502	100%	0.00859	0.027	18.5
n-Butanol	71-36-3	0.5	0.360873	0.399968	0.423508	0.399853	0.486233	0.463348	0.407713	0.420	84%	0.04229	0.133	3.8
n-Hexane	110-54-3	0.5	0.514506	0.489459	0.503498	0.496936	0.49565	0.493624	0.497933	0.499	100%	0.00813	0.026	19.6
Vinyl acetate	108-05-4	0.5	0.529983	0.532186	0.536038	0.527071	0.510861	0.512158	0.510086	0.523	105%	0.01118	0.035	14.2
Acrolein	107-02-8	0.5	0.401029	0.407713	0.419865	0.420698	0.401248	0.398402	0.408054	0.408	82%	0.00902	0.028	17.6
tert-Butyl alcohol	75-65-0	0.5	0.449062	0.463898	0.463898	0.491507	0.506438	0.505982	0.470631	0.479	96%	0.02258	0.071	7.0
1,4-Dioxane	123-91-1	0.5	0.422901	0.4554	0.46106	0.478598	0.511099	0.479638	0.447736	0.465	93%	0.02799	0.088	5.7

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/18/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Dichlorodifluoromethane	75-71-8	0.05	0.101788	0.069432	0.071595	0.072473	0.069229	0.068049	0.068008	0.074	149%	0.01221	0.038	1.3
Freon 22	75-45-6	0.05	0.113304	0.087839	0.090605	0.084398	0.083532	0.083146	0.085579	0.090	180%	0.01070	0.034	1.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.05	0.091945	0.064289	0.066328	0.065349	0.067714	0.064648	0.064252	0.069	138%	0.01010	0.032	1.6
Vinyl chloride	75-01-4	0.05	0.087535	0.064735	0.064332	0.069858	0.060013	0.062939	0.066988	0.068	136%	0.00912	0.029	1.7
Trichlorofluoromethane	75-69-4	0.05	0.094913	0.065652	0.066987	0.068462	0.065407	0.066049	0.06528	0.070	141%	0.01087	0.034	1.5
trans-1,2-Dichloroethene	156-60-5	0.05	0.090752	0.06635	0.063605	0.067671	0.064132	0.06321	0.060048	0.068	136%	0.01034	0.032	1.5
1,1-Dichloroethane	75-34-3	0.05	0.096744	0.070288	0.067717	0.068656	0.065884	0.06472	0.067828	0.072	143%	0.01119	0.035	1.4
Chloroform	67-66-3	0.05	0.093068	0.066898	0.069012	0.06744	0.068232	0.066534	0.06627	0.071	142%	0.00975	0.031	1.6
1,1,1-Trichloroethane	71-55-6	0.05	0.095712	0.066556	0.065125	0.070464	0.065534	0.065207	0.064924	0.071	141%	0.01128	0.035	1.4
Cyclohexane	110-82-7	0.05	0.095102	0.064313	0.065699	0.066489	0.059982	0.063778	0.060065	0.068	136%	0.01225	0.039	1.3
Carbon tetrachloride	56-23-5	0.05	0.089593	0.063038	0.064147	0.060326	0.061586	0.060548	0.062775	0.066	132%	0.01049	0.033	1.5
2,2,4-Trimethylpentane	540-84-1	0.05	0.099219	0.071127	0.07029	0.070519	0.068385	0.068496	0.066053	0.073	147%	0.01150	0.036	1.4
1,2-Dichloroethane	107-06-2	0.05	0.092649	0.068174	0.065946	0.069452	0.065141	0.067168	0.065599	0.071	141%	0.00985	0.031	1.6
Trichloroethene	79-01-6	0.05	0.088629	0.064084	0.066352	0.064556	0.062577	0.063303	0.06145	0.067	135%	0.00954	0.030	1.7
Bromodichloromethane	75-27-4	0.05	0.077396	0.055711	0.05379	0.055138	0.053559	0.054251	0.052688	0.058	115%	0.00883	0.028	1.8
Dibromomethane	74-95-3	0.05	0.082834	0.062239	0.065542	0.060914	0.061284	0.064217	0.06085	0.065	131%	0.00789	0.025	2.0
Dibromochloromethane	124-48-1	0.05	0.061378	0.044223	0.04456	0.042317	0.043973	0.04767	0.042765	0.047	93%	0.00670	0.021	2.4
Acrylonitrile	107-13-1	0.05	0.050914	0.044191	0.039432	0.042263	0.040923	0.046369	0.036199	0.043	86%	0.00482	0.015	3.3
Isopropyl alcohol	67-63-0	0.05	0.093732	0.072824	0.06613	0.06893	0.066682	0.065222	0.055373	0.070	140%	0.01180	0.037	1.3

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	1							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Chloromethane	74-87-3	0.013	0.04	3.1	Y	0.0843251	01/21/11	0.082920	2/10/2011	0.073625	2/3/2011
n-Butane	106-97-8	0.011	0.04	3.6	Y	0.063690	01/21/11	0.078676	2/10/2011	0.063307	2/3/2011
1,3-Butadiene	106-99-0	0.010	0.04	4.0	Y	0.0411415	01/21/11	0.023420	2/10/2011	0.050751	2/3/2011
Bromomethane	74-83-9	0.012	0.04	3.3	Y	0.0429392	01/21/11	0.026278	2/10/2011	0.044979	2/3/2011
Freon TF	76-13-1	0.010	0.04	4.0	Y	0.050020	01/21/11	0.032953	2/10/2011	0.049006	2/3/2011
Methylene Chloride	75-09-2	0.013	0.04	3.1	Y	0.1304849	01/21/11	0.132440	2/10/2011	0.178325	2/3/2011
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	2.9	Y	0.0559042	01/21/11	0.026524	2/10/2011	0.046805	2/3/2011
n-Heptane	142-82-5	0.010	0.04	4.0	Y	0.059220	01/21/11	0.036584	2/10/2011	0.049603	2/3/2011
Methyl methacrylate	80-62-6	0.013	0.04	3.1	Y	0.0185573	01/21/11	0.013207	2/10/2011	0.015919	2/3/2011
1,2-Dichloropropane	78-87-5	0.014	0.04	2.9	Y	0.0491645	01/21/11	0.029200	2/10/2011	0.033561	2/3/2011
Tetrachloroethene	127-18-4	0.011	0.04	3.6	Y	0.0517272	01/21/11	0.023626	2/10/2011	0.045015	2/3/2011
n-Pentane	109-66-0	0.011	0.04	3.6	Y	0.053629	01/21/11	0.067209	2/10/2011	0.060430	2/3/2011
Chloroethane	75-00-3	0.016	0.04	2.5	Y	0.040157	01/21/11	0.029232	2/10/2011	0.038282	2/3/2011
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	2.1	Y	0.042009	01/21/11	0.029122	2/10/2011	0.044899	2/3/2011
3-Chloropropene	107-05-1	0.019	0.04	2.1	Y	0.056749	01/21/11	0.035266	2/10/2011	0.048660	2/3/2011
Methyl tert-butyl ether	1634-04-4	0.016	0.04	2.5	Y	0.036290	01/21/11	0.025190	2/10/2011	0.034012	2/3/2011
Methyl Ethyl Ketone	78-93-3	0.017	0.04	2.4	Y	0.026228	01/21/11	0.019935	2/10/2011	0.027375	2/3/2011
Tetrahydrofuran	109-99-9	0.018	0.04	2.2	Y	0.036990	01/21/11	0.028150	2/10/2011	0.026504	2/3/2011
Benzene	71-43-2	0.018	0.04	2.2	Y	0.058848	01/21/11	0.041292	2/10/2011	0.056796	2/3/2011
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	2.5	Y	0.041337	01/21/11	0.022500	2/10/2011	0.029651	2/3/2011
Toluene	108-88-3	0.018	0.04	2.2	Y	0.044860	01/21/11	0.032692	2/10/2011	0.040179	2/3/2011
1,1,2-Trichloroethane	79-00-5	0.019	0.04	2.1	Y	0.035285	01/21/11	0.022548	2/10/2011	0.033505	2/3/2011
1,2-Dibromoethane	106-93-4	0.018	0.04	2.2	Y	0.035138	01/21/11	0.019814	2/10/2011	0.030596	2/3/2011
Bromoform	75-25-2	0.019	0.04	2.1	Y	0.028803	01/21/11	0.015696	2/10/2011	0.024448	2/3/2011
Ethyl ether	60-29-7	0.016	0.04	2.5	Y	0.022675	01/21/11	0.021661	2/10/2011	0.023250	2/3/2011
n-Octane	111-65-9	0.016	0.04	2.5	Y	0.049646	01/21/11	0.035372	2/10/2011	0.045761	2/3/2011
Acrylonitrile	107-13-1	0.015	0.04	2.7	Y	0.024284	01/21/11	0.018677	2/10/2011	0.029606	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	2							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2.5	Y	0.089611	01/21/11	0.061189	2/10/2011	0.091308	2/3/2011
Vinyl chloride	75-01-4	0.029	0.08	2.8	Y	0.082484	01/21/11	0.053773	2/10/2011	0.086385	2/3/2011
1,1-Dichloroethene	75-35-4	0.030	0.08	2.7	Y	0.100549	01/21/11	0.057921	2/10/2011	0.099469	2/3/2011
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2.5	Y	0.087924	01/21/11	0.052188	2/10/2011	0.086974	2/3/2011
n-Hexane	110-54-3	0.026	0.08	2.7	Y	0.092921	01/21/11	0.080984	2/10/2011	0.092204	2/3/2011
Chloroform	67-66-3	0.031	0.08	2.6	Y	0.096132	01/21/11	0.056766	2/10/2011	0.087114	2/3/2011
Trichloroethene	79-01-6	0.030	0.08	2.7	Y	0.086903	01/21/11	0.051520	2/10/2011	0.089881	2/3/2011
Bromodichloromethane	75-27-4	0.028	0.08	2.9	Y	0.078200	01/21/11	0.046463	2/10/2011	0.075705	2/3/2011
Dibromomethane	74-95-3	0.025	0.08	3.2	Y	0.085097	01/21/11	0.044885	2/10/2011	0.090685	2/3/2011
Methyl isobutyl ketone	108-10-1	0.026	0.08	3.1	Y	0.070823	01/21/11	0.045424	2/10/2011	0.048252	2/3/2011
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	4.0	Y	0.084585	01/21/11	0.041504	2/10/2011	0.065278	2/3/2011
Dibromochloromethane	124-48-1	0.021	0.08	3.8	Y	0.071458	01/21/11	0.038884	2/10/2011	0.065182	2/3/2011
Chlorobenzene	108-90-7	0.020	0.08	4.0	Y	0.094056	01/21/11	0.052299	2/10/2011	0.079892	2/3/2011
Ethylbenzene	100-41-4	0.022	0.08	3.6	Y	0.087649	01/21/11	0.054646	2/10/2011	0.071716	2/3/2011
Xylene, o-	95-47-6	0.022	0.08	3.6	Y	0.073560	01/21/11	0.044869	2/10/2011	0.071242	2/3/2011
Styrene	100-42-5	0.030	0.08	2.7	Y	0.069383	01/21/11	0.031778	2/10/2011	0.055159	2/3/2011
Cumene	98-82-8	0.031	0.08	2.6	Y	0.072252	01/21/11	0.046433	2/10/2011	0.070663	2/3/2011
Acetonitrile	75-05-8	0.029	0.08	2.8	Y	0.137853	01/21/11	0.079535	2/10/2011	0.103024	2/3/2011
Acrolein	107-02-8	0.028	0.08	2.9	Y	0.061464	01/21/11	0.056108	2/10/2011	0.062719	2/3/2011
Isopentane	78-78-4	0.027	0.08	3.0	Y	0.090816	01/21/11	0.103753	2/10/2011	0.116894	2/3/2011
1,2-Dichloroethane	107-06-2	0.031	0.08	2.6	Y	0.098855	01/21/11	0.052275	2/10/2011	0.089740	2/3/2011
m,p-Xylene	179601-23-1	0.048	0.16	3.3	Y	0.150921	01/21/11	0.092116	2/10/2011	0.148705	2/3/2011
Xylene (total)	1330-20-7	0.070	0.24	3.4	Y	0.224481	01/21/11	0.136984	2/10/2011	0.219947	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	3							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Dichlorodifluoromethane	75-71-8	0.038	0.13	3.4	Y	0.154221	01/21/11	0.207322	2/10/2011	0.143322	2/3/2011
Freon 22	75-45-6	0.034	0.13	3.8	Y	0.156649	01/21/11	0.199070	2/10/2011	0.158361	2/3/2011
Trichlorofluoromethane	75-69-4	0.034	0.13	3.8	Y	0.142547	01/21/11	0.134054	2/10/2011	0.138048	2/3/2011
Isopropyl alcohol	67-63-0	0.037	0.13	3.5	Y	0.168176	01/21/11	0.163494	2/10/2011	0.124920	2/3/2011
1,1-Dichloroethane	75-34-3	0.035	0.13	3.7	Y	0.146871	01/21/11	0.091923	2/10/2011	0.139252	2/3/2011
Vinyl acetate	108-05-4	0.035	0.13	3.7	Y	0.136686	01/21/11	0.072790	2/10/2011	0.112938	2/3/2011
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3.7	Y	0.144375	01/21/11	0.088928	2/10/2011	0.135264	2/3/2011
Cyclohexane	110-82-7	0.039	0.13	3.3	Y	0.137269	01/21/11	0.086890	2/10/2011	0.138803	2/3/2011
Carbon tetrachloride	56-23-5	0.033	0.13	3.9	Y	0.138242	01/21/11	0.096220	2/10/2011	0.125111	2/3/2011
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3.6	Y	0.151161	01/21/11	0.097849	2/10/2011	0.139508	2/3/2011
1,1,2,2-Tetrachloroethane	79-34-5	0.04	0.13	3.3	Y	0.120448	01/21/11	0.081011	2/10/2011	0.119922	2/3/2011
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3.0	Y	0.118793	01/21/11	0.074299	2/10/2011	0.102048	2/3/2011
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3.0	Y	0.114823	01/21/11	0.074551	2/10/2011	0.095198	2/3/2011
n-Nonane	111-84-2	0.035	0.13	3.7	Y	0.150613	01/21/11	0.102831	2/10/2011	0.131800	2/3/2011
Alpha Methyl Styrene	98-83-9	0.036	0.13	3.6	Y	0.088403	01/21/11	0.052919	2/10/2011	0.070275	2/3/2011
Acetone	67-64-1	0.045	0.13	2.9	Y	0.268147	01/21/11	1.043663	2/10/2011	0.286823	2/3/2011
Methyl Butyl Ketone (2-Hexanone	591-78-6	0.039	0.13	3.3	Y	0.102927	01/21/11	0.050502	2/10/2011	0.079521	2/3/2011
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	2.5	Y	0.099494	01/21/11	0.080146	2/10/2011	0.112295	2/3/2011
tert-Butylbenzene	98-06-6	0.047	0.13	2.8	Y	0.100974	01/21/11	0.083055	2/10/2011	0.126430	2/3/2011
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	2.5	Y	0.093496	01/21/11	0.077069	2/10/2011	0.105071	2/3/2011
4-Isopropyltoluene	99-87-6	0.048	0.13	2.7	Y	0.099966	01/21/11	0.081198	2/10/2011	0.106240	2/3/2011
Benzyl chloride	100-44-7	0.046	0.13	2.8	Y	0.087291	01/21/11	0.062079	2/10/2011	0.063588	2/3/2011
n-Butylbenzene	104-51-8	0.055	0.13	2.4	Y	0.105326	01/21/11	0.087162	2/10/2011	0.091833	2/3/2011
1,2,4-Trichlorobenzene	120-82-1	0.05	0.13	2.6	Y	0.140368	01/21/11	0.069510	2/10/2011	0.066469	2/3/2011
n-Decane	124-18-5	0.052	0.13	2.5	Y	0.120041	01/21/11	0.106123	2/10/2011	0.094822	2/3/2011
4-Ethyltoluene	622-96-8	0.046	0.13	2.8	Y	0.100319	01/21/11	0.083581	2/10/2011	0.116029	2/3/2011
2-Chlorotoluene	95-49-8	0.047	0.13	2.8	Y	0.133615	01/21/11	0.093384	2/10/2011	0.129192	2/3/2011
sec-Butylbenzene	135-98-8	0.047	0.13	2.8	Y	0.100359	01/21/11	0.083454	2/10/2011	0.117959	2/3/2011
1,2-Dichlorobenzene	95-50-1	0.048	0.13	2.7	Y	0.112511	01/21/11	0.073182	2/10/2011	0.106396	2/3/2011
1,2,3-Trichloropropane	96-18-4	0.046	0.13	2.8	Y	0.132612	01/21/11	0.099927	2/10/2011	0.139508	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	4							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Propylene	115-07-1	0.054	0.20	3.7	Y	0.270393	01/21/11	0.347567	2/10/2011	0.280007	2/3/2011
Carbon disulfide	75-15-0	0.066	0.20	3.0	Y	0.211080	01/21/11	0.140112	2/10/2011	0.213331	2/3/2011
Ethyl acetate	141-78-6	0.052	0.20	3.8	Y	0.093712	01/21/11	0.091471	2/10/2011	0.138658	2/3/2011
n-Propylbenzene	103-65-1	0.050	0.20	4.0	Y	0.189546	01/21/11	0.140935	2/10/2011	0.198387	2/3/2011
Hexachlorobutadiene	87-68-3	0.065	0.20	3.1	Y	0.245311	01/21/11	0.125313	2/10/2011	0.191995	2/3/2011
n-Undecane	1120-21-4	0.063	0.20	3.2	Y	0.223886	01/21/11	0.210531	2/10/2011	0.188278	2/3/2011
tert-Butyl alcohol	75-65-0	0.071	0.20	2.8	Y	0.172373	01/21/11	0.142173	2/10/2011	0.157018	2/3/2011
Ethanol	64-17-5	0.132	0.20	1.5	Y	0.245140	01/21/11	0.740152	2/10/2011	0.257166	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	5							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,4-Dioxane	123-91-1	0.088	0.32	3.6	Y	0.312989	01/21/11	0.229685	2/10/2011	0.251385	2/3/2011
Naphthalene	91-20-3	0.086	0.32	3.7	Y	0.283616	01/21/11	0.196197	2/10/2011	0.187375	2/3/2011
1,2,3-Trichlorobenzene	87-61-6	0.086	0.32	3.7	Y	0.397521	01/21/11	0.210696	2/10/2011	0.244996	2/3/2011
n-Dodecane	112-40-3	0.085	0.32	3.8	Y	0.430361	01/21/11	0.310593	2/10/2011	0.427240	2/3/2011
n-Butanol	71-36-3	0.133	0.32	2.4	Y	0.359139	01/21/11	0.177655	2/10/2011	0.221147	2/3/2011

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
1,1,1-Trichloroethane	71-55-6	0.2	0.2	1.0	90-116	30	Y	0.224243	112%	0.201791	101%	0.222206	111%
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.2	1.0	68-112	30	Y	0.193282	97%	0.207704	104%	0.232122	116%
1,1,2-Trichloroethane	79-00-5	0.2	0.2	1.0	77-110	30	Y	0.221939	111%	0.192304	96%	0.226027	113%
1,1-Dichloroethane	75-34-3	0.2	0.2	1.0	91-118	30	Y	0.223561	112%	0.228705	114%	0.233306	117%
1,1-Dichloroethene	75-35-4	0.2	0.2	1.0	86-138	30	Y	0.247420	124%	0.218630	109%	0.225226	113%
1,2,3-Trichlorobenzene	87-61-6	0.2	0.2	1.0	50-150	30	Y	0.307038	154%	0.164839	82%	0.140893	70%
1,2,3-Trichloropropane	96-18-4	0.5	0.5	1.0	78-115	30	Y	0.449700	90%	0.485953	97%	0.467246	93%
1,2,4-Trichlorobenzene	120-82-1	0.5	0.5	1.0	50-150	30	Y	0.588211	118%	0.432226	86%	0.339711	68%
1,2,4-Trimethylbenzene	95-63-6	0.2	0.2	1.0	50-114	30	Y	0.189765	95%	0.199772	100%	0.215847	108%
1,2-Dibromoethane	106-93-4	0.2	0.2	1.0	65-110	30	Y	0.203231	102%	0.166365	83%	0.200654	100%
1,2-Dichlorobenzene	95-50-1	0.2	0.2	1.0	47-112	30	Y	0.214869	107%	0.180392	90%	0.194258	97%
1,2-Dichloroethane	107-06-2	0.2	0.2	1.0	84-123	30	Y	0.241648	121%	0.212377	106%	0.224656	112%
1,2-Dichloropropane	78-87-5	0.2	0.2	1.0	80-116	30	Y	0.219895	110%	0.221459	111%	0.229479	115%
1,2-Dichlorotetrafluoroethane	76-14-2	0.2	0.2	1.0	84-131	30	Y	0.204000	102%	0.232867	116%	0.250708	125%
1,3,5-Trimethylbenzene	108-67-8	0.2	0.2	1.0	63-112	30	Y	0.187022	94%	0.200650	100%	0.224006	112%
1,3-Butadiene	106-99-0	0.2	0.2	1.0	78-132	30	Y	0.160294	80%	0.217902	109%	0.224522	112%
1,3-Dichlorobenzene	541-73-1	0.2	0.2	1.0	52-111	30	Y	0.230745	115%	0.174296	87%	0.186292	93%
1,4-Dichlorobenzene	106-46-7	0.2	0.2	1.0	42-116	30	Y	0.227875	114%	0.165182	83%	0.168982	84%
1,4-Dioxane	123-91-1	5.0	5.0	1.0	57-123	30	Y	4.349695	87%	5.142641	103%	5.238548	105%
2,2,4-Trimethylpentane	540-84-1	0.2	0.2	1.0	78-120	30	Y	0.214485	107%	0.231321	116%	0.227445	114%
2-Chlorotoluene	95-49-8	0.2	0.2	1.0	73-119	30	Y	0.201446	101%	0.213832	107%	0.230210	115%
3-Chloropropene	107-05-1	0.2	0.2	1.0	77-124	30	Y	0.208368	104%	0.239338	120%	0.235632	118%
4-Ethyltoluene	622-96-8	0.2	0.2	1.0	59-112	30	Y	0.190825	95%	0.199504	100%	0.201852	101%
4-Isopropyltoluene	99-87-6	0.2	0.2	1.0	47-112	30	Y	0.187577	94%	0.182880	91%	0.206279	103%
Acetone	67-64-1	5.0	5.0	1.0	50-150	30	Y	5.918625	118%	6.493141	130%	5.637133	113%
Acetonitrile	75-05-8	5.0	5.0	1.0	48-160	30	Y	4.913922	98%	5.646111	113%	4.861316	97%
Acrolein	107-02-8	5.0	5.0	1.0	59-100	30	Y	4.627458	93%	5.012252	100%	4.962316	99%
Acrylonitrile	107-13-1	0.5	0.5	1.0	50-150	30	Y	0.385763	77%	0.491138	98%	0.403010	81%
Alpha Methyl Styrene	98-83-9	0.2	0.2	1.0	50-150	30	Y	0.153780	77%	0.140370	70%	0.144196	72%
Benzene	71-43-2	0.2	0.2	1.0	90-121	30	Y	0.205509	103%	0.224604	112%	0.244505	122%
Benzyl chloride	100-44-7	0.2	0.2	1.0	24-116	30	Y	0.206416	103%	0.175981	88%	0.145228	73%
Bromodichloromethane	75-27-4	0.2	0.2	1.0	75-114	30	Y	0.197490	99%	0.185259	93%	0.199157	100%
Bromoethene(Vinyl Bromide)	593-60-2	0.2	0.2	1.0	81-130	30	Y	0.173484	87%	0.231701	116%	0.227505	114%
Bromoform	75-25-2	0.2	0.2	1.0	29-122	30	Y	0.173542	87%	0.120515	60%	0.161853	81%
Bromomethane	74-83-9	0.2	0.2	1.0	80-129	30	Y	0.180027	90%	0.231508	116%	0.241877	121%
Carbon disulfide	75-15-0	0.5	0.5	1.0	56-153	30	Y	0.408781	82%	0.450766	90%	0.473903	95%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
Carbon tetrachloride	56-23-5	0.2	0.2	1.0	70-110	30	Y	0.212677	106%	0.186546	93%	0.207356	104%
Chlorobenzene	108-90-7	0.2	0.2	1.0	78-114	30	Y	0.224586	112%	0.207436	104%	0.227466	114%
Chloroethane	75-00-3	0.5	0.5	1.0	82-136	30	Y	0.403171	81%	0.480467	96%	0.517378	103%
Chloroform	67-66-3	0.2	0.2	1.0	92-116	30	Y	0.233150	117%	0.221495	111%	0.228551	114%
Chloromethane	74-87-3	0.5	0.5	1.0	87-142	30	Y	0.523856	105%	0.589980	118%	0.596782	119%
cis-1,2-Dichloroethene	156-59-2	0.2	0.2	1.0	82-123	30	Y	0.224498	112%	0.216420	108%	0.232892	116%
cis-1,3-Dichloropropene	10061-01-5	0.2	0.2	1.0	64-117	30	Y	0.229791	115%	0.193260	97%	0.205483	103%
Cumene	98-82-8	0.2	0.2	1.0	68-115	30	Y	0.181504	91%	0.188121	94%	0.227125	114%
Cyclohexane	110-82-7	0.2	0.2	1.0	79-116	30	Y	0.193046	97%	0.213648	107%	0.223421	112%
Dibromochloromethane	124-48-1	0.2	0.2	1.0	58-112	30	Y	0.179346	90%	0.146384	73%	0.176085	88%
Dibromomethane	74-95-3	0.2	0.2	1.0	71-122	30	Y	0.207763	104%	0.166587	83%	0.205032	103%
Dichlorodifluoromethane	75-71-8	0.5	0.5	1.0	83-139	30	Y	0.558694	112%	0.550061	110%	0.596060	119%
Ethanol	64-17-5	5.0	5.0	1.0	64-136	30	Y	5.136704	103%	5.786793	116%	4.756761	95%
Ethyl acetate	141-78-6	5.0	5.0	1.0	39-122	30	Y	4.324479	86%	4.764036	95%	4.773995	95%
Ethyl ether	60-29-7	0.2	0.2	1.0	75-125	30	Y	0.200119	100%	0.229351	115%	0.223428	112%
Ethylbenzene	100-41-4	0.2	0.2	1.0	77-118	30	Y	0.210445	105%	0.210191	105%	0.231464	116%
Freon 22	75-45-6	0.5	0.5	1.0	83-145	30	Y	0.564825	113%	0.561066	112%	0.600311	120%
Freon TF	76-13-1	0.2	0.2	1.0	96-123	30	Y	0.201876	101%	0.212962	106%	0.234259	117%
Hexachlorobutadiene	87-68-3	0.2	0.2	1.0	28-133	30	Y	0.264678	132%	0.181954	91%	0.219664	110%
Isopentane	78-78-4	0.2	0.2	1.0	57-176	30	Y	0.194833	97%	0.271245	136%	0.262581	131%
Isopropyl alcohol	67-63-0	5.0	5.0	1.0	68-124	30	Y	4.550384	91%	5.591147	112%	5.159520	103%
m,p-Xylene	179601-23-1	0.5	1.0	2.0	71-116	30	Y	0.832534	83%	0.859363	86%	0.860728	86%
Methyl Butyl Ketone (2-Hexanor	591-78-6	0.5	0.5	1.0	52-119	30	Y	0.411362	82%	0.400978	80%	0.361382	72%
Methyl Ethyl Ketone	78-93-3	0.5	0.5	1.0	66-128	30	Y	0.506375	101%	0.542444	108%	0.471670	94%
Methyl isobutyl ketone	108-10-1	0.5	0.5	1.0	56-122	30	Y	0.428107	86%	0.424421	85%	0.366125	73%
Methyl methacrylate	80-62-6	0.5	0.5	1.0	46-114	30	Y	0.345331	69%	0.359670	72%	0.321638	64%
Methyl tert-butyl ether	1634-04-4	0.2	0.2	1.0	79-124	30	Y	0.221673	111%	0.221147	111%	0.220895	110%
Methylene Chloride	75-09-2	0.5	0.5	1.0	104-148	30	Y	0.568666	114%	0.616175	123%	0.597385	119%
Naphthalene	91-20-3	0.5	0.5	1.0	50-150	30	Y	0.588614	118%	0.466549	93%	0.388718	78%
n-Butane	106-97-8	0.5	0.5	1.0	64-160	30	Y	0.520641	104%	0.575332	115%	0.591015	118%
n-Butanol	71-36-3	5.0	5.0	1.0	50-150	30	Y	4.322736	86%	5.057171	101%	5.295719	106%
n-Butylbenzene	104-51-8	0.2	0.2	1.0	30-126	30	Y	0.204675	102%	0.206758	103%	0.176558	88%
n-Decane	124-18-5	0.5	0.5	1.0	32-132	30	Y	0.386283	77%	0.522531	105%	0.386845	77%
n-Dodecane	112-40-3	5.0	5.0	1.0	50-150	30	Y	3.710056	74%	5.240548	105%	6.484273	130%
n-Heptane	142-82-5	0.2	0.2	1.0	67-141	30	Y	0.220194	110%	0.238921	119%	0.246257	123%
n-Hexane	110-54-3	0.2	0.2	1.0	63-137	30	Y	0.187081	94%	0.235818	118%	0.224260	112%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
n-Nonane	111-84-2	0.2	0.2	1.0	58-132	30	Y	0.190284	95%	0.226607	113%	0.246383	123%
n-Octane	111-65-9	0.5	0.5	1.0	62-145	30	Y	0.46332	93%	0.514892	103%	0.538633	108%
n-Pentane	109-66-0	0.5	0.5	1.0	50-150	30	Y	0.421204	84%	0.509866	102%	0.516148	103%
n-Propylbenzene	103-65-1	0.2	0.2	1.0	70-114	30	Y	0.185914	93%	0.208836	104%	0.224447	112%
n-Undecane	1120-21-4	5.0	5.0	1.0	50-150	30	Y	3.623529	72%	5.619464	112%	5.308220	106%
Propylene	115-07-1	5.0	5.0	1.0	73-149	30	Y	4.922435	98%	5.055603	101%	5.681467	114%
sec-Butylbenzene	135-98-8	0.2	0.2	1.0	60-113	30	Y	0.182865	91%	0.198786	99%	0.222623	111%
Styrene	100-42-5	0.2	0.2	1.0	42-114	30	Y	0.167723	84%	0.147842	74%	0.179506	90%
tert-Butyl alcohol	75-65-0	5.0	5.0	1.0	68-123	30	Y	4.700971	94%	5.267677	105%	4.913852	98%
tert-Butylbenzene	98-06-6	0.2	0.2	1.0	67-112	30	Y	0.186738	93%	0.198583	99%	0.228708	114%
Tetrachloroethene	127-18-4	0.2	0.2	1.0	72-119	30	Y	0.214762	107%	0.170511	85%	0.228217	114%
Tetrahydrofuran	109-99-9	5.0	5.0	1.0	75-120	30	Y	4.921039	98%	5.022289	100%	5.112919	102%
Toluene	108-88-3	0.2	0.2	1.0	84-118	30	Y	0.229181	115%	0.210748	105%	0.259014	130%
trans-1,2-Dichloroethene	156-60-5	0.2	0.2	1.0	87-117	30	Y	0.216749	108%	0.220213	110%	0.231713	116%
trans-1,3-Dichloropropene	10061-02-6	0.2	0.2	1.0	62-118	30	Y	0.205476	103%	0.186215	93%	0.199710	100%
Trichloroethene	79-01-6	0.2	0.2	1.0	87-115	30	Y	0.210775	105%	0.203494	102%	0.225994	113%
Trichlorofluoromethane	75-69-4	0.2	0.2	1.0	86-129	30	Y	0.216695	108%	0.228253	114%	0.226752	113%
Vinyl acetate	108-05-4	5.0	5.0	1.0	56-119	30	Y	5.017741	100%	5.261298	105%	4.841840	97%
Vinyl chloride	75-01-4	0.2	0.2	1.0	76-138	30	Y	0.186993	93%	0.210830	105%	0.246255	123%
Xylene (total)	1330-20-7	0.2	0.6	3.0	50-150	30	Y	0.588484	98%	0.601556	100%	0.698121	116%
Xylene, o-	95-47-6	0.2	0.2	1.0	69-113	30	Y	0.195831	98%	0.189629	95%	0.236375	118%

Note: Pass = The %R on each instrument is within 50-150%

Method TO15 Low Level - New Jersey

Volatile Organic Compounds - Low level (GC/MS) by New Jersey Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: gghh004.d

Lab ID: LCS 200-34961/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.170 J	85	60-140	
1,2-Dichloroethene, trans-	0.200	0.178 J	89	60-140	
1,2-Dichloroethene, cis-	0.200	0.182 J	91	60-140	
1,1,1-Trichloroethane	0.200	0.157 J	78	60-140	
1,2-Dichloroethane	0.200	0.190 J	95	60-140	
Trichloroethene	0.200	0.192 J	96	60-140	
1,1,2-Trichloroethane	0.200	0.192 J	96	60-140	
Tetrachloroethene	0.200	0.197 J	98	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.166 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: gghh005.d

Lab ID: LCS 200-34961/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.453 J	90	60-140	
Chloroethane	0.500	0.425 J	85	60-140	
Methylene Chloride	0.500	0.504	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: ckqr004.d

Lab ID: LCS 200-35378/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Benzene	0.200	0.180 J	90	60-140	
Vinyl chloride	0.200	0.162 J	81	60-140	
1,2-Dichloroethene, trans-	0.200	0.173 J	86	60-140	
1,2-Dichloroethene, cis-	0.200	0.199 J	99	60-140	
1,1,1-Trichloroethane	0.200	0.237	118	60-140	
1,2-Dichloroethane	0.200	0.231	115	60-140	
Trichloroethene	0.200	0.184 J	92	60-140	
1,1,2-Trichloroethane	0.200	0.174 J	87	60-140	
Tetrachloroethene	0.200	0.177 J	88	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.166 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: ckqr005.d

Lab ID: LCS 200-35378/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.480 J	96	60-140	
Chloroethane	0.500	0.472 J	94	60-140	
Methylene Chloride	0.500	0.535	107	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: ckqw004.d

Lab ID: LCS 200-35786/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Benzene	0.200	0.182 J	91	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: gghh003.d Lab Sample ID: MB 200-34961/3

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

Instrument ID: G.i Date Analyzed: 03/13/2012 11:44

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34961/4	gghh004.d	03/13/2012 12:33
	LCS 200-34961/5	gghh005.d	03/13/2012 13:22
BLDG1001 IA-7-R	200-9749-1	gghh016.d	03/13/2012 22:35
BLDG1001 SS-11	200-9749-14	gghh017.d	03/13/2012 23:23
BLDG699 IA-4	200-9749-16	gghh018.d	03/14/2012 00:12
BLDG699 AA-3	200-9749-17	gghh019.d	03/14/2012 01:01
BLDG700 IA-5	200-9749-18	gghh020.d	03/14/2012 01:50

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ckqr003.d Lab Sample ID: MB 200-35378/3

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

Instrument ID: C.i Date Analyzed: 03/20/2012 14:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35378/4	ckqr004.d	03/20/2012 15:39
	LCS 200-35378/5	ckqr005.d	03/20/2012 16:29
BLDG283 IA-2	200-9749-3	ckqr012.d	03/20/2012 22:19
BLDG283 AA-1	200-9749-4	ckqr013.d	03/20/2012 23:09
BLDG101 AA-4	200-9749-8	ckqr015.d	03/21/2012 00:48
BLDG283 SS-1	200-9749-10	ckqr016.d	03/21/2012 01:38
BLDG283 SS-2	200-9749-11	ckqr017.d	03/21/2012 02:28
BLDG283 SS-3	200-9749-12	ckqr018.d	03/21/2012 03:18
BLDG1001 SS-12	200-9749-15	ckqr019.d	03/21/2012 04:08

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ckqw003.d Lab Sample ID: MB 200-35786/3

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

Instrument ID: C.i Date Analyzed: 03/27/2012 12:17

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35786/4	ckqw004.d	03/27/2012 13:07
BLDG283 IA-1	200-9749-2	ckqw010.d	03/27/2012 18:42

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ckqr001.d BFB Injection Date: 03/20/2012

Instrument ID: C.i BFB Injection Time: 12:13

Analysis Batch No.: 35378

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.4	
75	30.0 - 66.0% of mass 95	48.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.6)1
174	50.0 - 120.0% of mass 95	70.3	
175	4.0 - 9.0 % of mass 174	5.0	(7.1)1
176	93.0 - 101.0% of mass 174	67.0	(95.3)1
177	5.0 - 9.0% of mass 176	4.1	(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
	CCVIS 200-35378/2	ckqr002.d	03/20/2012	13:03
	MB 200-35378/3	ckqr003.d	03/20/2012	14:49
	LCS 200-35378/4	ckqr004.d	03/20/2012	15:39
	LCS 200-35378/5	ckqr005.d	03/20/2012	16:29
	LCS 200-35378/6	ckqr006.d	03/20/2012	17:19
BLDG283 IA-2	200-9749-3	ckqr012.d	03/20/2012	22:19
BLDG283 AA-1	200-9749-4	ckqr013.d	03/20/2012	23:09
BLDG101 AA-4	200-9749-8	ckqr015.d	03/21/2012	00:48
BLDG283 SS-1	200-9749-10	ckqr016.d	03/21/2012	01:38
BLDG283 SS-2	200-9749-11	ckqr017.d	03/21/2012	02:28
BLDG283 SS-3	200-9749-12	ckqr018.d	03/21/2012	03:18
BLDG1001 SS-12	200-9749-15	ckqr019.d	03/21/2012	04:08
	CCVC 200-35378/27	ckqr027.d	03/21/2012	10:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ckqw001.d BFB Injection Date: 03/27/2012

Instrument ID: C.i BFB Injection Time: 10:36

Analysis Batch No.: 35786

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.7	
75	30.0 - 66.0% of mass 95	53.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.7)1
174	50.0 - 120.0% of mass 95	69.5	
175	4.0 - 9.0 % of mass 174	4.8	(6.9)1
176	93.0 - 101.0% of mass 174	68.2	(98.1)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 200-35786/2	ckqw002.d	03/27/2012	11:26
	MB 200-35786/3	ckqw003.d	03/27/2012	12:17
	LCS 200-35786/4	ckqw004.d	03/27/2012	13:07
	LCS 200-35786/5	ckqw005.d	03/27/2012	14:00
	LCS 200-35786/6	ckqw006.d	03/27/2012	15:22
BLDG283 IA-1	200-9749-2	ckqw010.d	03/27/2012	18:42
	CCVC 200-35786/28	ckqw028.d	03/28/2012	09:40

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: ggh001.d BFB Injection Date: 03/02/2012

Instrument ID: G.i BFB Injection Time: 14:16

Analysis Batch No.: 34489

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.1	
75	30.0 - 66.0% of mass 95	45.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	95.5	
175	4.0 - 9.0 % of mass 174	6.7	(7.0)1
176	93.0 - 101.0% of mass 174	91.4	(95.8)1
177	5.0 - 9.0% of mass 176	6.1	(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
	IC 200-34489/4	ggh004.d	03/02/2012	16:43
	IC 200-34489/6	ggh006.d	03/02/2012	18:22
	IC 200-34489/7	ggh007.d	03/02/2012	19:11
	ICIS 200-34489/8	ggh008.d	03/02/2012	20:00
	IC 200-34489/9	ggh009.d	03/02/2012	20:48
	IC 200-34489/10	ggh010.d	03/02/2012	21:37
	IC 200-34489/11	ggh011.d	03/02/2012	22:27
	ICV 200-34489/16	ggh016.d	03/03/2012	02:31

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab File ID: gghh001.d BFB Injection Date: 03/13/2012

Instrument ID: G.i BFB Injection Time: 10:00

Analysis Batch No.: 34961

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.3	
75	30.0 - 66.0% of mass 95	44.6	
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	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	103.6	
175	4.0 - 9.0 % of mass 174	7.0	(6.8)1
176	93.0 - 101.0% of mass 174	101.7	(98.2)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)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 200-34961/2	gghh002.d	03/13/2012	10:50
	MB 200-34961/3	gghh003.d	03/13/2012	11:44
	LCS 200-34961/4	gghh004.d	03/13/2012	12:33
	LCS 200-34961/5	gghh005.d	03/13/2012	13:22
	LCS 200-34961/6	gghh006.d	03/13/2012	14:13
BLDG1001 IA-7-R	200-9749-1	gghh016.d	03/13/2012	22:35
BLDG1001 SS-11	200-9749-14	gghh017.d	03/13/2012	23:23
BLDG699 IA-4	200-9749-16	gghh018.d	03/14/2012	00:12
BLDG699 AA-3	200-9749-17	gghh019.d	03/14/2012	01:01
BLDG700 IA-5	200-9749-18	gghh020.d	03/14/2012	01:50
	CCVC 200-34961/23	gghh023.d	03/14/2012	04:17

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Sample No.: CCVIS 200-35378/2 Date Analyzed: 03/20/2012 13:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqr002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		264052	11.07	1506906	12.40	1316382	16.32
UPPER LIMIT		369673	11.40	2109668	12.73	1842935	16.65
LOWER LIMIT		158431	10.74	904144	12.07	789829	15.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35378/3		247796	11.08	1444732	12.40	1262539	16.32
LCS 200-35378/4		232644	11.08	1324256	12.40	1211269	16.32
LCS 200-35378/5		214019	11.08	1213371	12.40	1128680	16.32
LCS 200-35378/6		219097	11.08	1260414	12.40	1196613	16.32
200-9749-3	BLDG283 IA-2	197459	11.08	1125010	12.40	1056854	16.32
200-9749-4	BLDG283 AA-1	197270	11.07	1125842	12.40	1054759	16.32
200-9749-8	BLDG101 AA-4	194797	11.08	1126519	12.40	1055098	16.32
200-9749-10	BLDG283 SS-1	193690	11.08	1123424	12.40	1037266	16.32
200-9749-11	BLDG283 SS-2	185073	11.08	1068325	12.40	943539	16.32
200-9749-12	BLDG283 SS-3	196391	11.07	1123578	12.40	1036167	16.32
200-9749-15	BLDG1001 SS-12	188305	11.08	1073975	12.40	1024794	16.32

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Sample No.: CCVIS 200-35786/2 Date Analyzed: 03/27/2012 11:26

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqw002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		224381	11.07	1281993	12.40	1213301	16.31
UPPER LIMIT		314133	11.40	1794790	12.73	1698621	16.64
LOWER LIMIT		134629	10.74	769196	12.07	727981	15.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35786/3		215177	11.07	1285355	12.39	1138827	16.32
LCS 200-35786/4		201444	11.07	1151689	12.38	1069112	16.31
LCS 200-35786/5		200884	11.08	1164967	12.39	1054781	16.31
LCS 200-35786/6		178164	11.07	1029782	12.39	1039249	16.31
200-9749-2	BLDG283 IA-1	190459	11.07	1092185	12.39	1010775	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Sample No.: ICIS 200-34489/8 Date Analyzed: 03/02/2012 20:00

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggh008.d Heated Purge: (Y/N) N

Calibration ID: 13808

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		775804	10.43	2686891	11.79	2382572	15.80
UPPER LIMIT		1086126	10.76	3761647	12.12	3335601	16.13
LOWER LIMIT		465482	10.10	1612135	11.46	1429543	15.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34489/16		803895	10.43	2778369	11.79	2774899	15.80

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Sample No.: CCVIS 200-34961/2 Date Analyzed: 03/13/2012 10:50

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gghh002.d Heated Purge: (Y/N) N

Calibration ID: 13808

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		783771	10.42	3093858	11.78	2858643	15.79
UPPER LIMIT		1097279	10.75	4331401	12.11	4002100	16.12
LOWER LIMIT		470263	10.09	1856315	11.45	1715186	15.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34961/3		757745	10.42	3461194	11.78	2715122	15.79
LCS 200-34961/4		809755	10.42	3164069	11.78	2745353	15.79
LCS 200-34961/5		738945	10.42	2922370	11.78	2500569	15.79
LCS 200-34961/6		709143	10.42	2364300	11.77	2368960	15.79
200-9749-1	BLDG1001 IA-7-R	705283	10.42	2910382	11.78	2529640	15.79
200-9749-14	BLDG1001 SS-11	688481	10.42	2790842	11.78	2319528	15.79
200-9749-16	BLDG699 IA-4	692410	10.42	2782569	11.78	2465024	15.79
200-9749-17	BLDG699 AA-3	692976	10.42	2951158	11.78	2538460	15.79
200-9749-18	BLDG700 IA-5	670990	10.42	2727940	11.77	2395991	15.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG1001 IA-7-R Lab Sample ID: 200-9749-1

Matrix: Air Lab File ID: gghh016.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 15:32

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 22:35

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.52		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-1
Client Smp ID: BLDG1001 IA-7-R
Inj Date : 13-MAR-2012 22:35
Operator : pad Inst ID: G.i
Smp Info : 200-9749-A-1
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.327	4.311	(0.415)	35961	0.52239	0.52
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	84907	0.31208	0.31
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

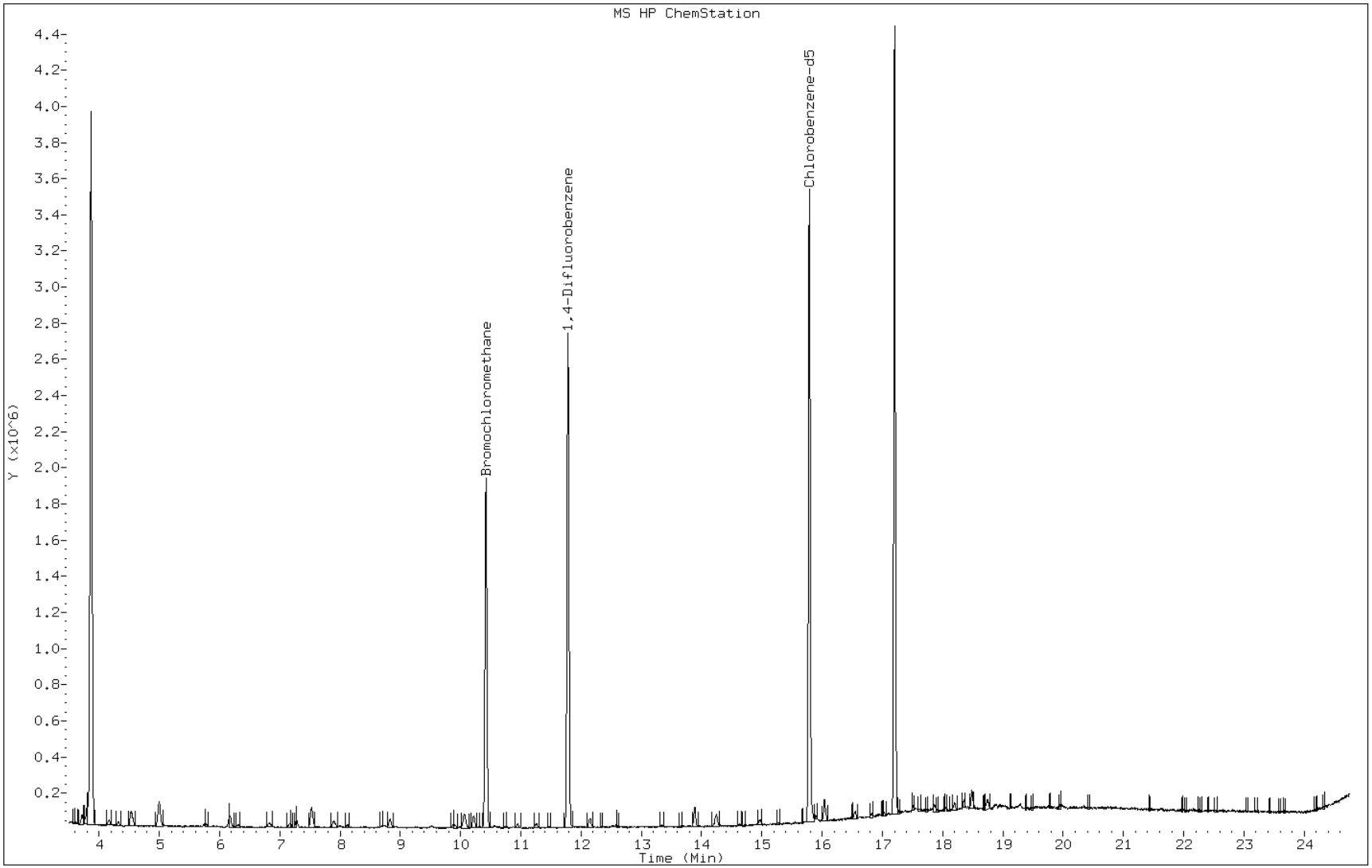
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	8.832	8.837	(0.848)	29909	0.33608	0.34
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.223	10.100	(0.981)	26920	1.00356	1.0(Q)
*	37 Bromochloromethane	128	10.421	10.431	(1.000)	705283	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.785	11.790	(1.000)	2910382	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	13.893	13.898	(0.880)	55082	0.46361	0.46
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2529640	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh016.d	Date:	13-MAR-2012 22:35
Client ID:	BLDG1001 IA-7-R	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-1		
Lab Sample ID:	200-9749-1		



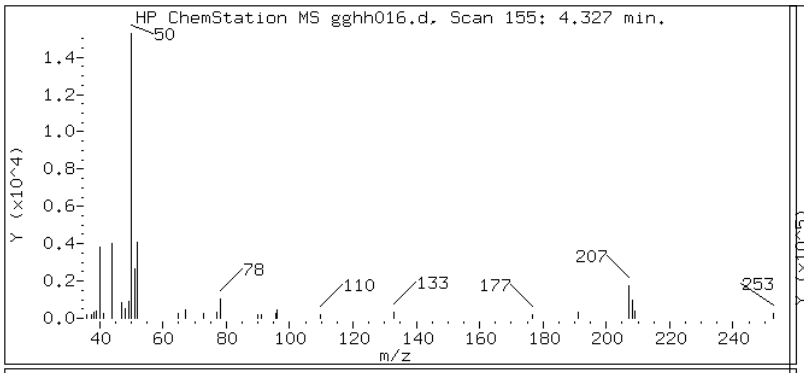
Data File: gghh016.d

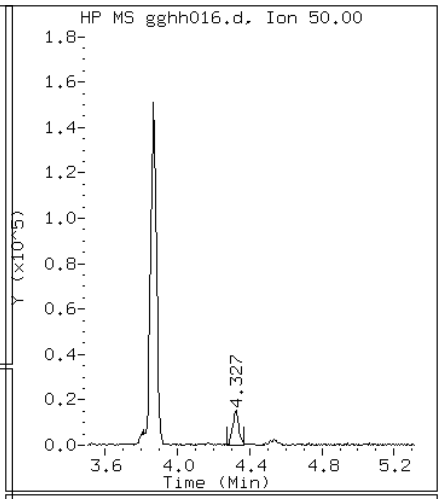
Lab Sample ID: 200-9749-1 Date: 13-MAR-2012 22:35

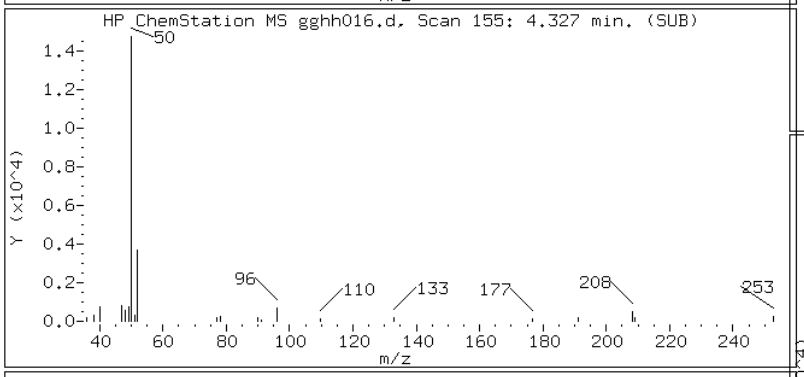
Client ID: BLDG1001 IA-7-R Instrument: G.i

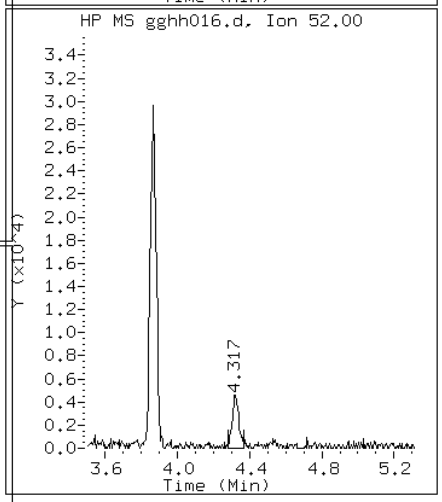
Sample Info: 200-9749-A-1 Operator: pad

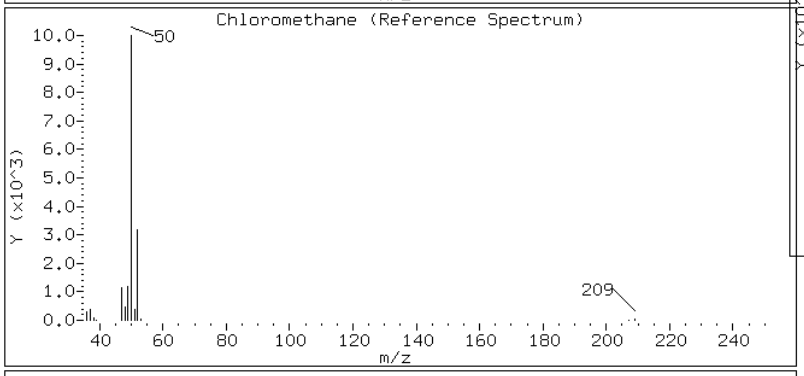
5 Chloromethane

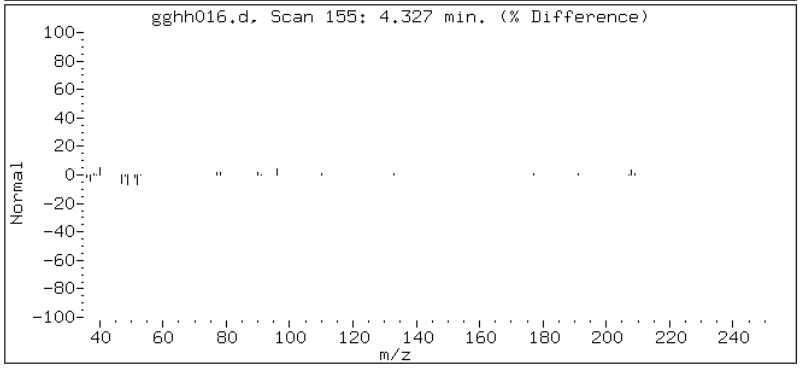












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 IA-1 Lab Sample ID: 200-9749-2

Matrix: Air Lab File ID: ckqw010.d

Analysis Method: TO15LL/NJ Date Collected: 03/05/2012 09:11

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 18:42

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.018

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-2
Client Smp ID: IA-1
Inj Date : 27-MAR-2012 18:42
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-2
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	39182	0.70169	0.70
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.511	5.511	(0.498)	11168	0.56737	0.57(M)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.133	7.138	(0.644)	44711	0.77483	0.77
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

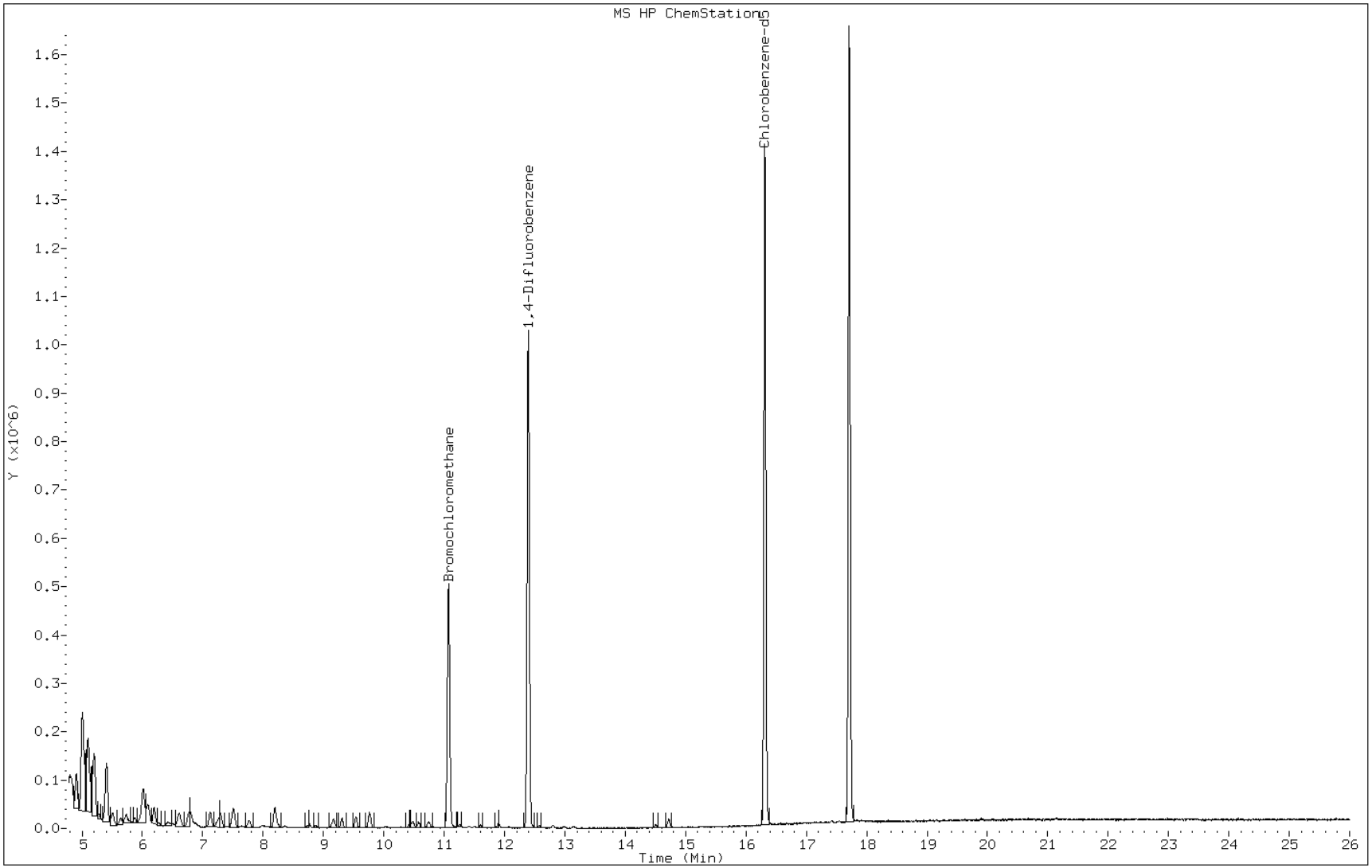
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	9.535	9.556	(0.861)	14807	0.35717	0.36
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	190459	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1092185	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1010775	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckqw010.d	Date:	27-MAR-2012 18:42
Client ID:	IA-1	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-2		
Lab Sample ID:	200-9749-2		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 IA-2 Lab Sample ID: 200-9749-3

Matrix: Air Lab File ID: ckqr012.d

Analysis Method: TO15LL/NJ Date Collected: 03/05/2012 13:07

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 22:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.018

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-3
Client Smp ID: BLDG283 IA-2
Inj Date : 20-MAR-2012 22:19
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-3
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.063	5.057	(0.457)	39962	0.69029	0.69
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.511	5.511	(0.497)	10581	0.51849	0.52(M)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.133	7.138	(0.644)	55037	0.91996	0.92
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.185	8.190	(0.738)	598870	21.4434	21
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

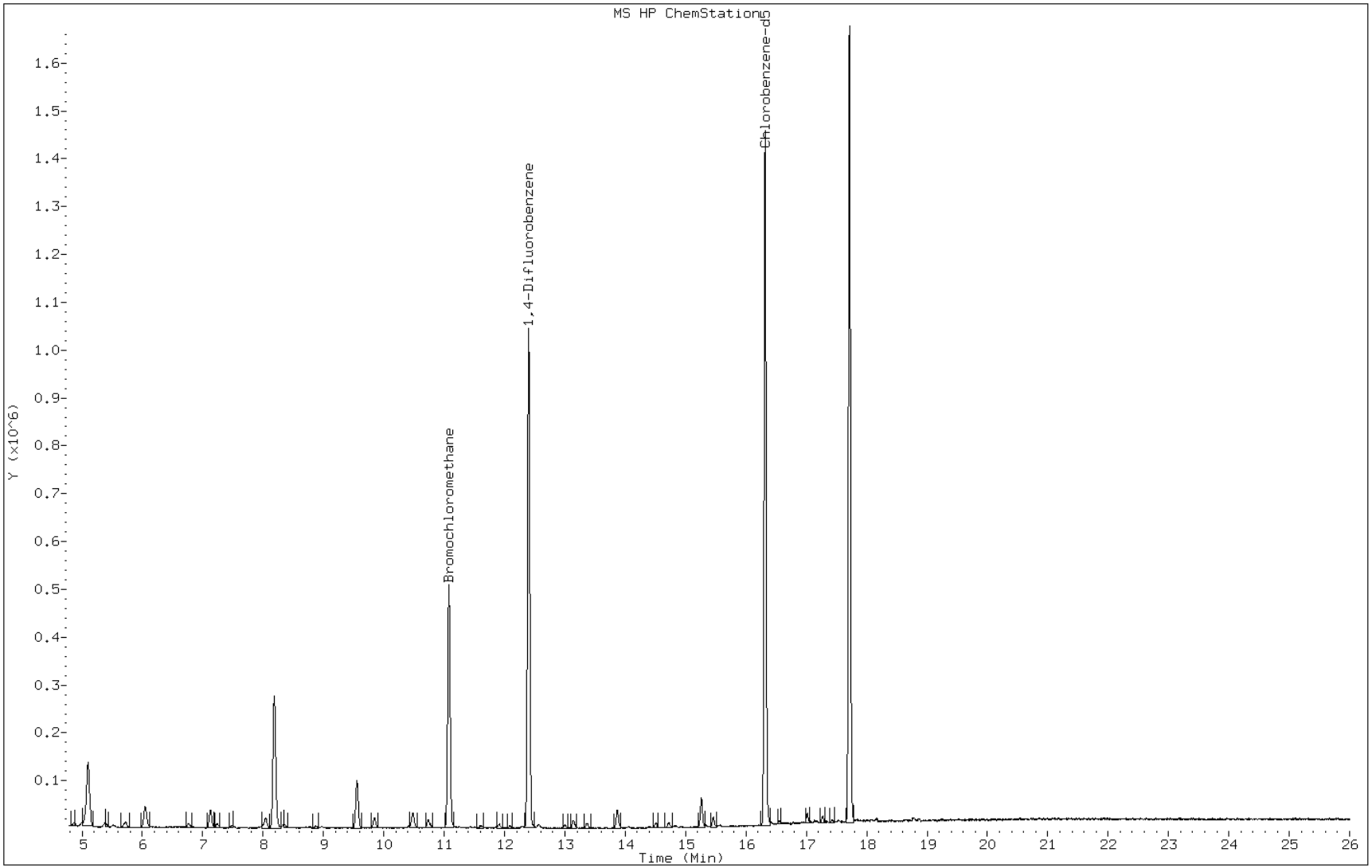
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.736	10.736	(0.969)	6440	0.54750	0.55(Q)
* 37	Bromochloromethane	128	11.083	11.098	(1.000)	197459	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.401	12.417	(1.000)	1125010	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1056854	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr012.d	Date:	20-MAR-2012 22:19
Client ID:	BLDG283 IA-2	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-3		
Lab Sample ID:	200-9749-3		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 AA-1 Lab Sample ID: 200-9749-4

Matrix: Air Lab File ID: ckqr013.d

Analysis Method: TO15LL/NJ Date Collected: 03/05/2012 13:09

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 23:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.018

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-4
Client Smp ID: BLDG283 AA-1
Inj Date : 20-MAR-2012 23:09
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-4
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

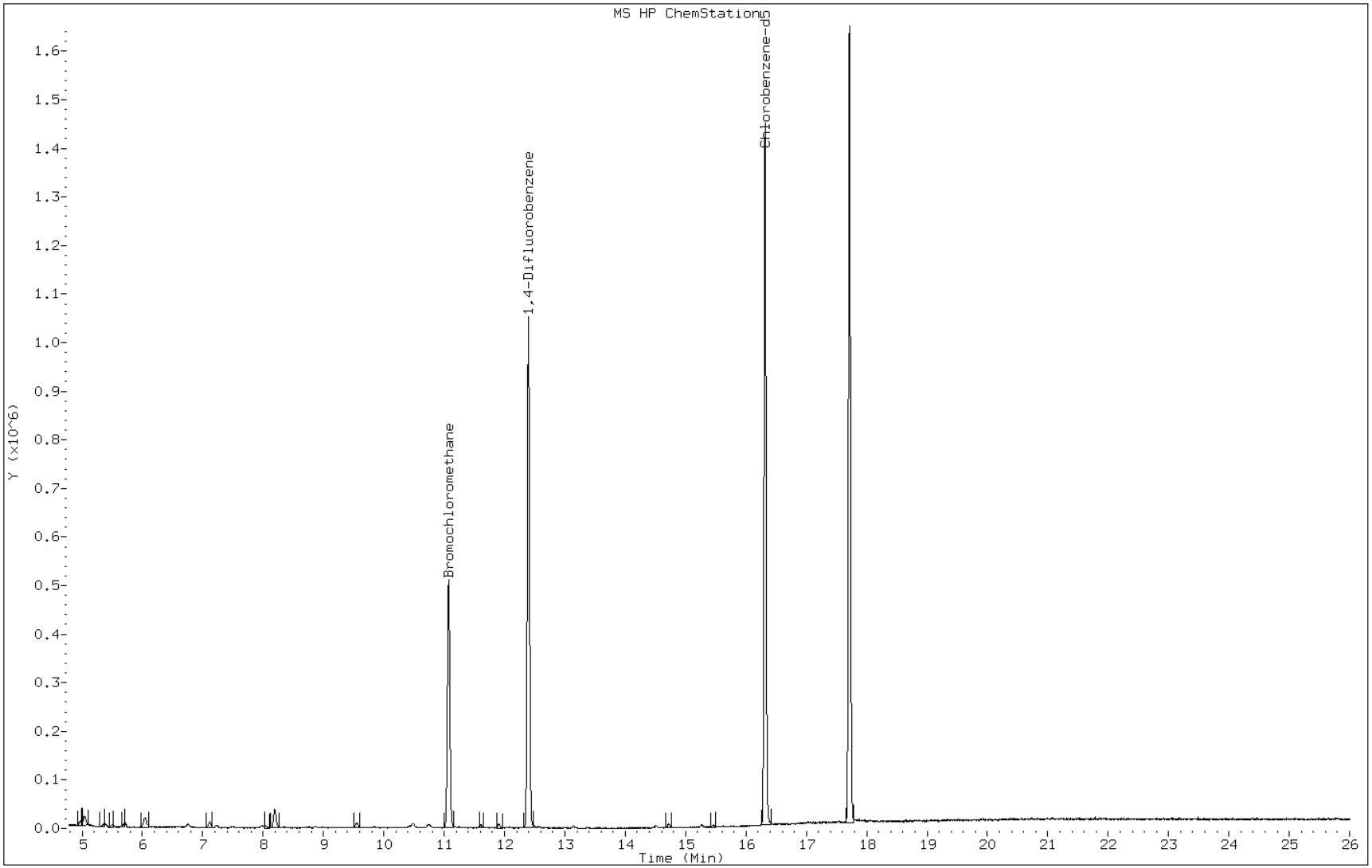
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.041	5.057	(0.455)	35700	0.61726	0.62
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.505	5.511	(0.497)	10742	0.52688	0.53
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	17157	0.28706	0.29
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	197270	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1125842	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1054759	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr013.d	Date:	20-MAR-2012 23:09
Client ID:	BLDG283 AA-1	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-4		
Lab Sample ID:	200-9749-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG101 AA-4 Lab Sample ID: 200-9749-8

Matrix: Air Lab File ID: ckqr015.d

Analysis Method: TO15LL/NJ Date Collected: 03/05/2012 09:38

Sample wt/vol: 200(mL) Date Analyzed: 03/21/2012 00:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.54		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-8
Client Smp ID: BLDG101 AA-4
Inj Date : 21-MAR-2012 00:48
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-8
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

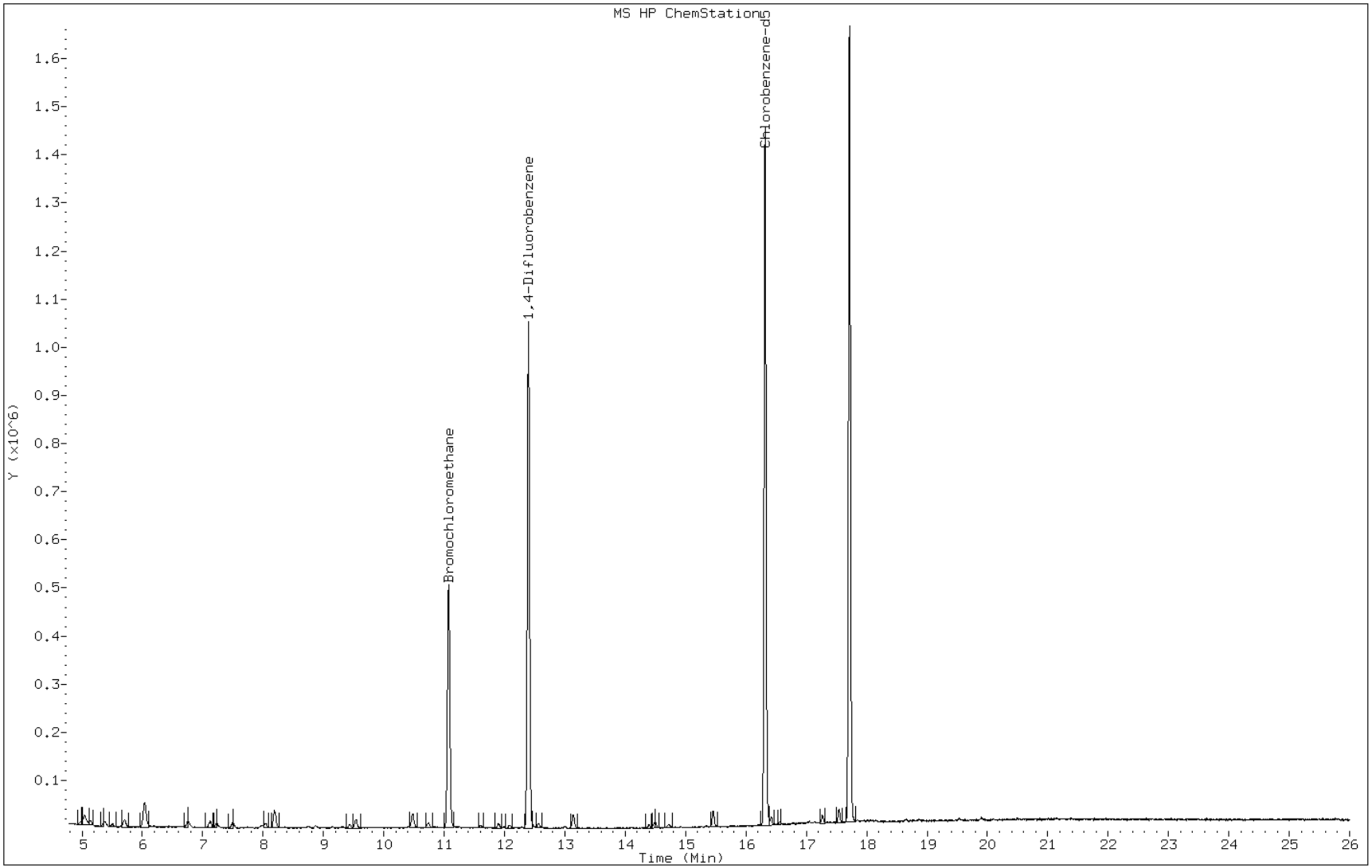
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.041	5.057	(0.455)	34747	0.60841	0.61
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.500	5.511	(0.497)	10852	0.53904	0.54
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	16953	0.28725	0.29
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	9.530	9.556	(0.860)	10773	0.25408	0.25
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	194797	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1126519	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1055098	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr015.d	Date:	21-MAR-2012 00:48
Client ID:	BLDG101 AA-4	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-8		
Lab Sample ID:	200-9749-8		



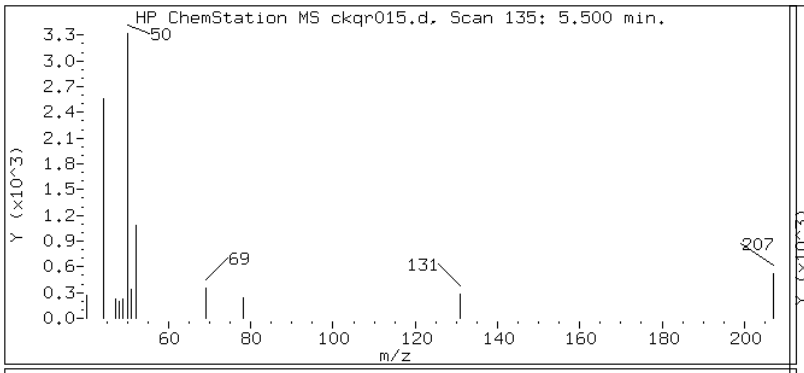
Data File: ckqr015.d

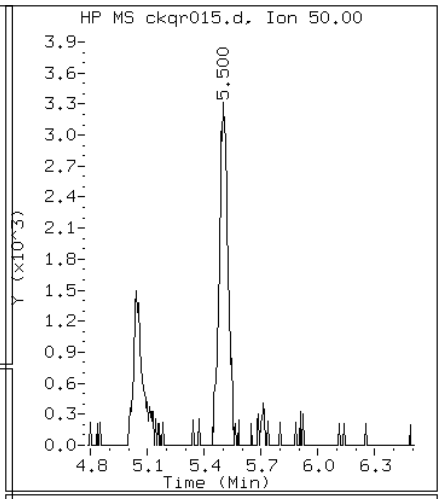
Lab Sample ID: 200-9749-8 Date: 21-MAR-2012 00:48

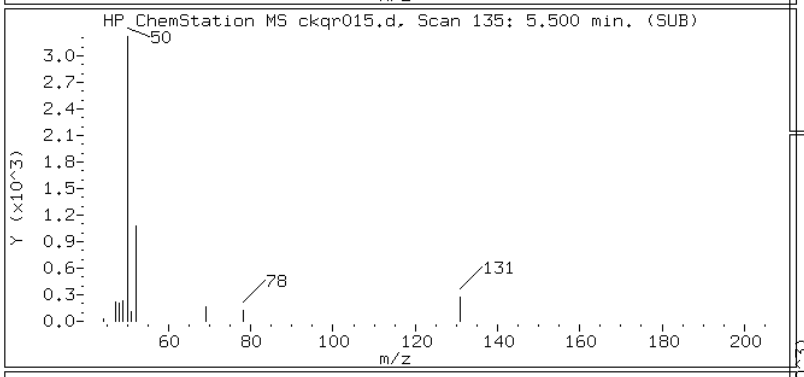
Client ID: BLDG101 AA-4 Instrument: C.i

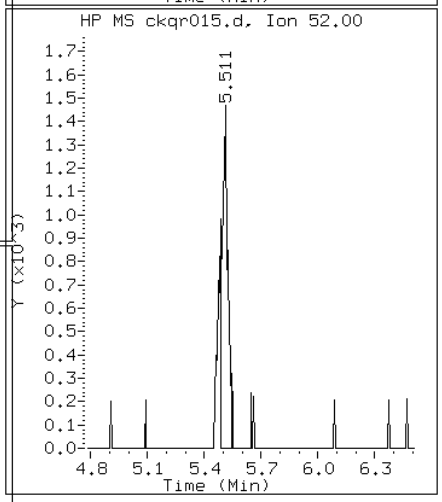
Sample Info: 200-9749-A-8 Operator: pad

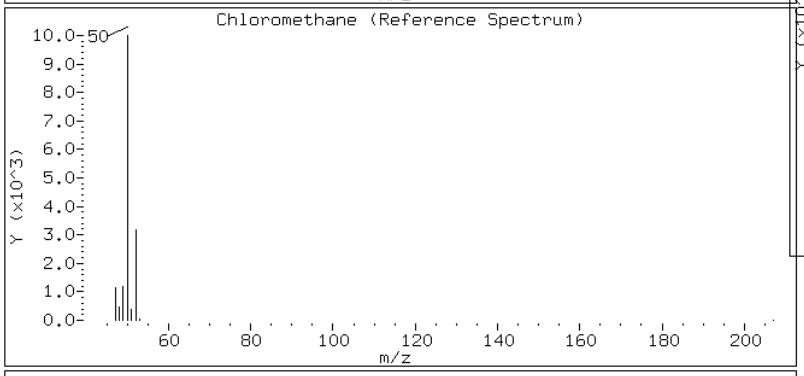
5 Chloromethane

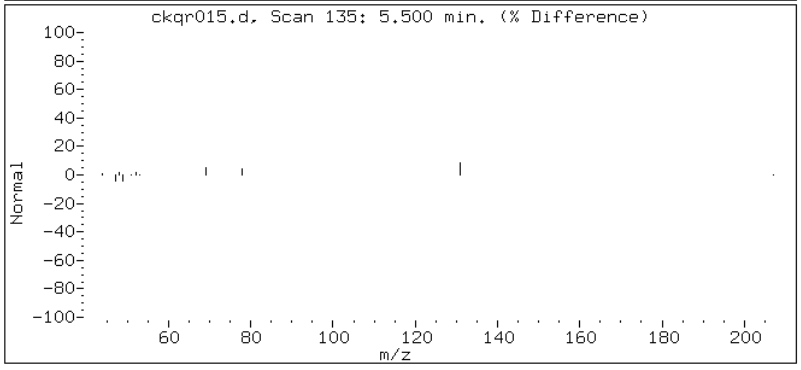












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 SS-1 Lab Sample ID: 200-9749-10

Matrix: Air Lab File ID: ckqr016.d

Analysis Method: TO15LL/NJ Date Collected: 03/06/2012 12:22

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 01:38

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.0	U	2.0	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-10
Client Smp ID: BLDG283 SS-1
Inj Date : 21-MAR-2012 01:38
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-10
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 13
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

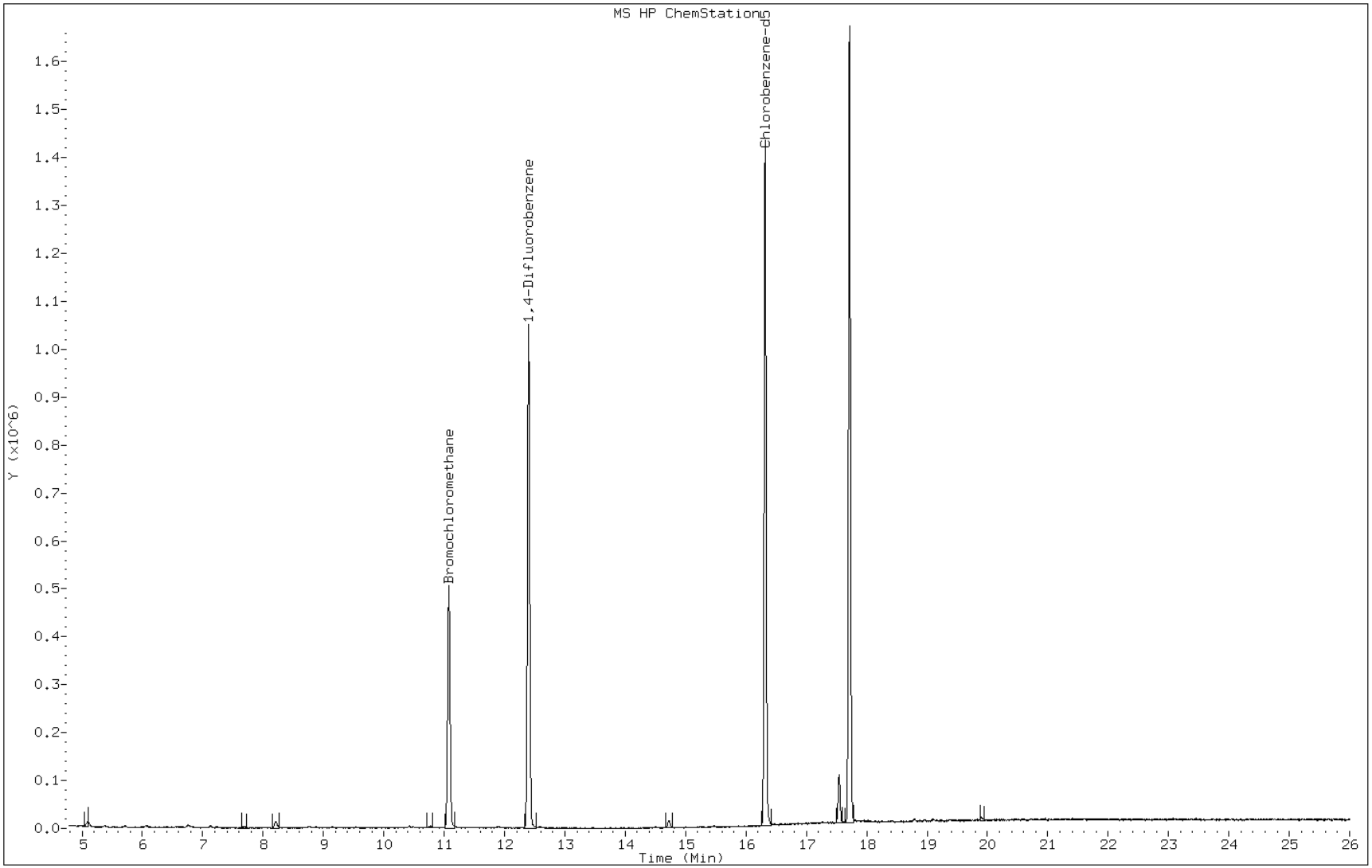
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	193690	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1123424	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1037266	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr016.d	Date:	21-MAR-2012 01:38
Client ID:	BLDG283 SS-1	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-10		
Lab Sample ID:	200-9749-10		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 SS-2 Lab Sample ID: 200-9749-11

Matrix: Air Lab File ID: ckqr017.d

Analysis Method: TO15LL/NJ Date Collected: 03/06/2012 12:52

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 02:28

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.0	U	2.0	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-11
Client Smp ID: BLDG283 SS-2
Inj Date : 21-MAR-2012 02:28
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-11
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 14
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

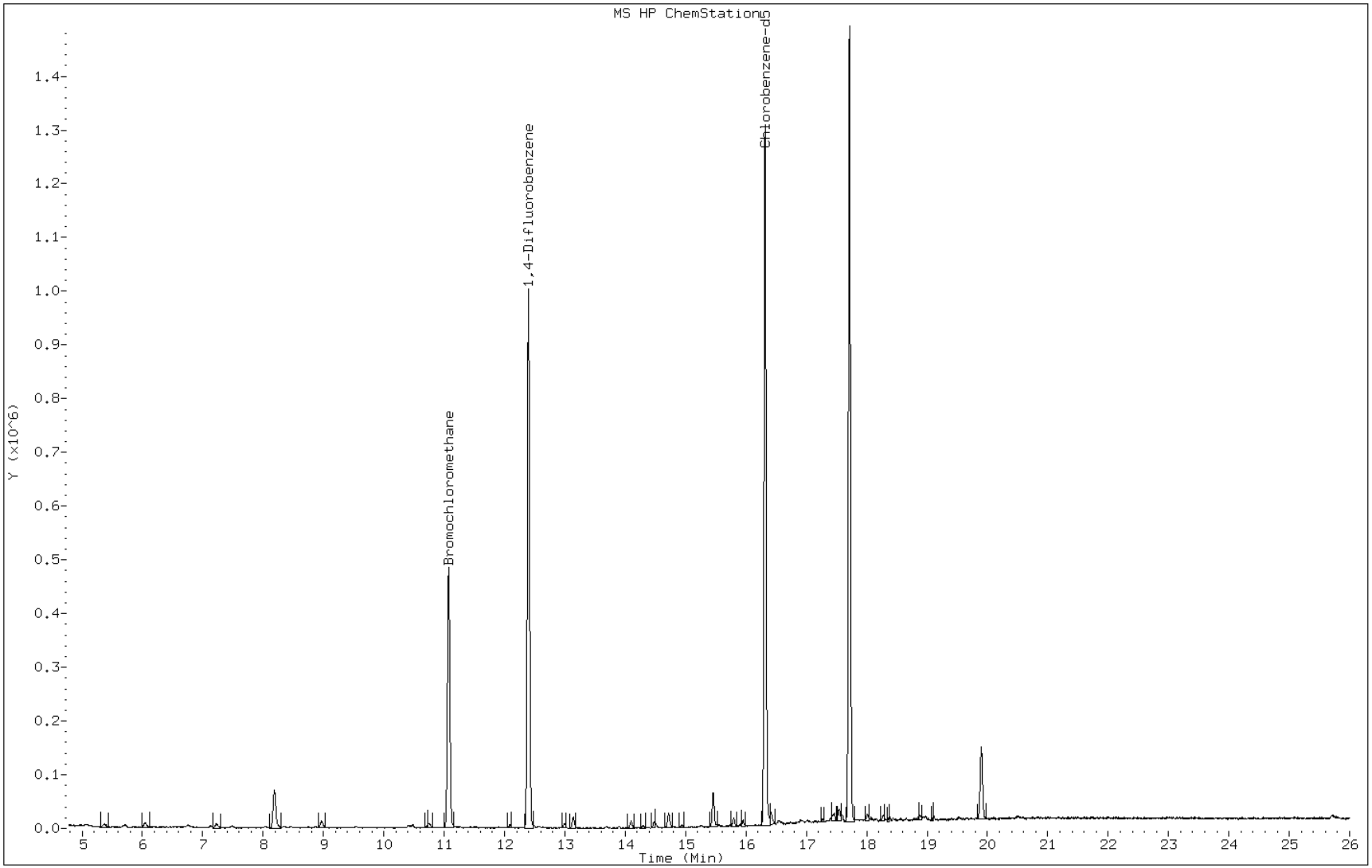
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.185	8.190	(0.739)	150116	5.73485	57
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	185073	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1068325	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	943539	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr017.d	Date:	21-MAR-2012 02:28
Client ID:	BLDG283 SS-2	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-11		
Lab Sample ID:	200-9749-11		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG283 SS-3 Lab Sample ID: 200-9749-12

Matrix: Air Lab File ID: ckqr018.d

Analysis Method: TO15LL/NJ Date Collected: 03/06/2012 13:37

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 03:18

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	2.0	U	2.0	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-12
Client Smp ID: BLDG283 SS-3
Inj Date : 21-MAR-2012 03:18
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-12
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 15
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

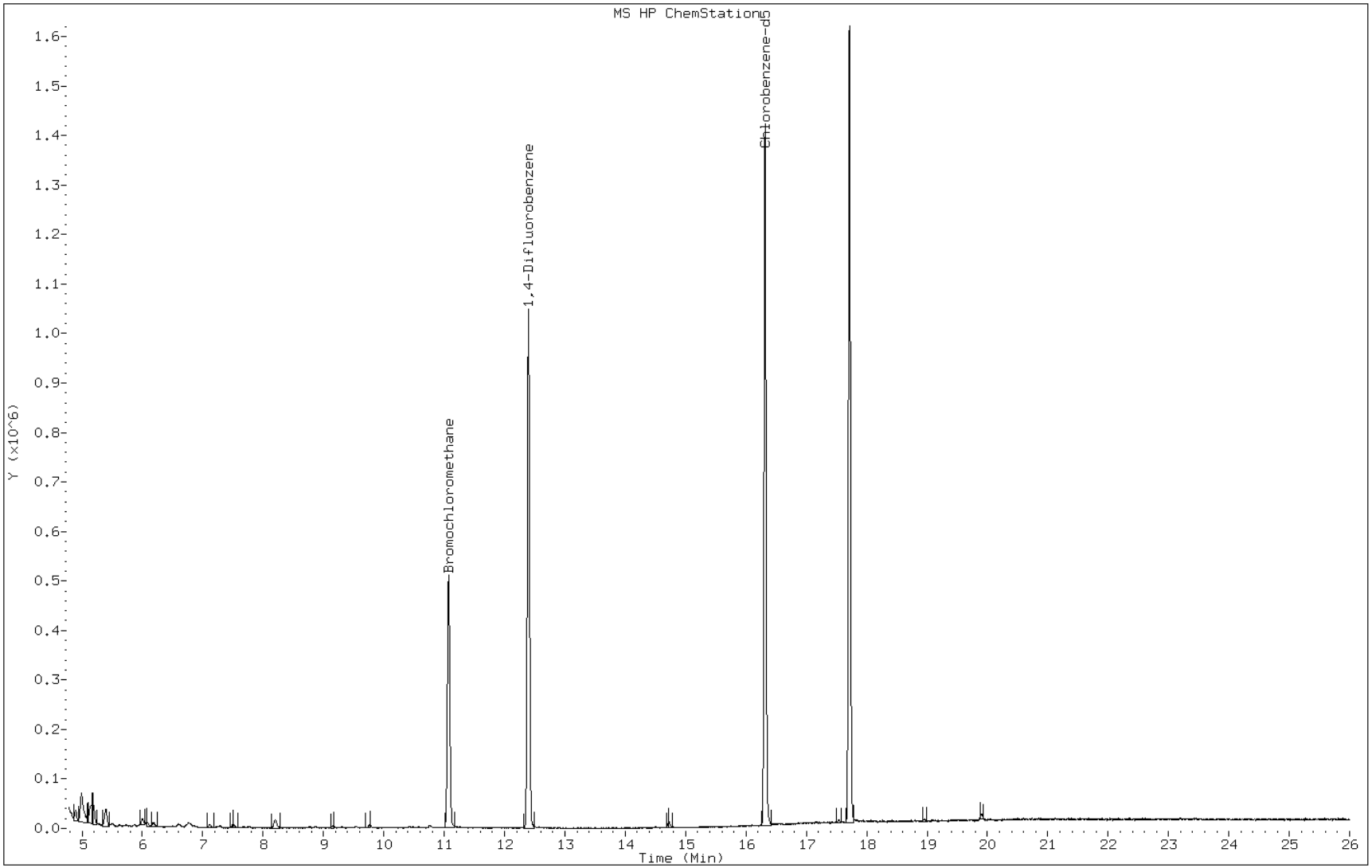
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	196391	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1123578	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1036167	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr018.d	Date:	21-MAR-2012 03:18
Client ID:	BLDG283 SS-3	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-12		
Lab Sample ID:	200-9749-12		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG1001 SS-11 Lab Sample ID: 200-9749-14

Matrix: Air Lab File ID: gghh017.d

Analysis Method: TO15LL/NJ Date Collected: 03/06/2012 17:09

Sample wt/vol: 20(mL) Date Analyzed: 03/13/2012 23:23

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-14
Client Smp ID: BLDG1001 SS-11
Inj Date : 13-MAR-2012 23:23
Operator : pad Inst ID: G.i
Smp Info : 200-9749-A-14
Misc Info : 20,10,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 13
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

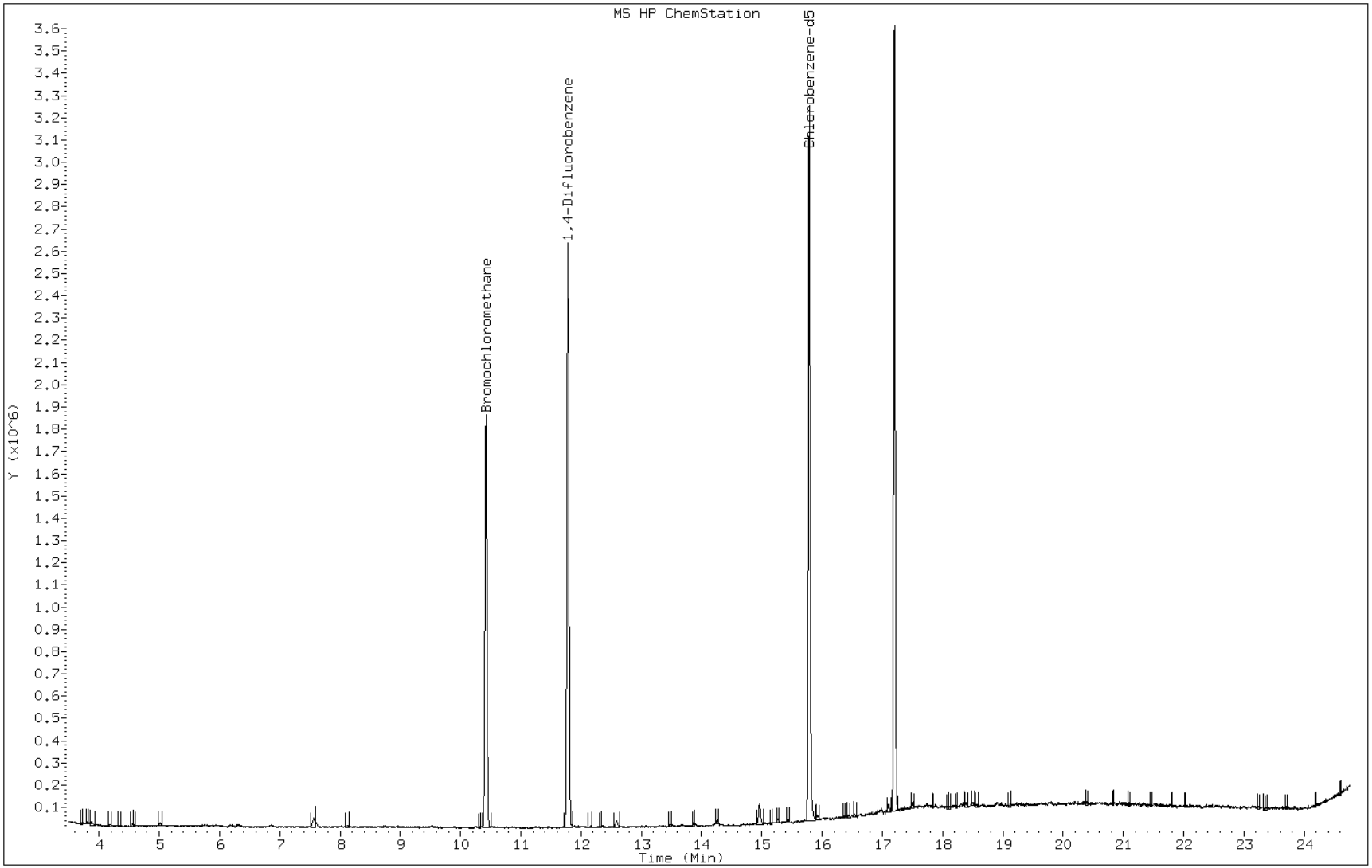
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.420	10.431	(1.000)	688481	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2790842	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2319528	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	gghh017.d	Date:	13-MAR-2012 23:23
Client ID:	BLDG1001 SS-11	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-14		
Lab Sample ID:	200-9749-14		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG1001 SS-12 Lab Sample ID: 200-9749-15

Matrix: Air Lab File ID: ckqr019.d

Analysis Method: TO15LL/NJ Date Collected: 03/06/2012 16:22

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 04:08

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-15
Client Smp ID: BLDG1001 SS-12
Inj Date : 21-MAR-2012 04:08
Operator : pad Inst ID: C.i
Smp Info : 200-9749-A-15
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

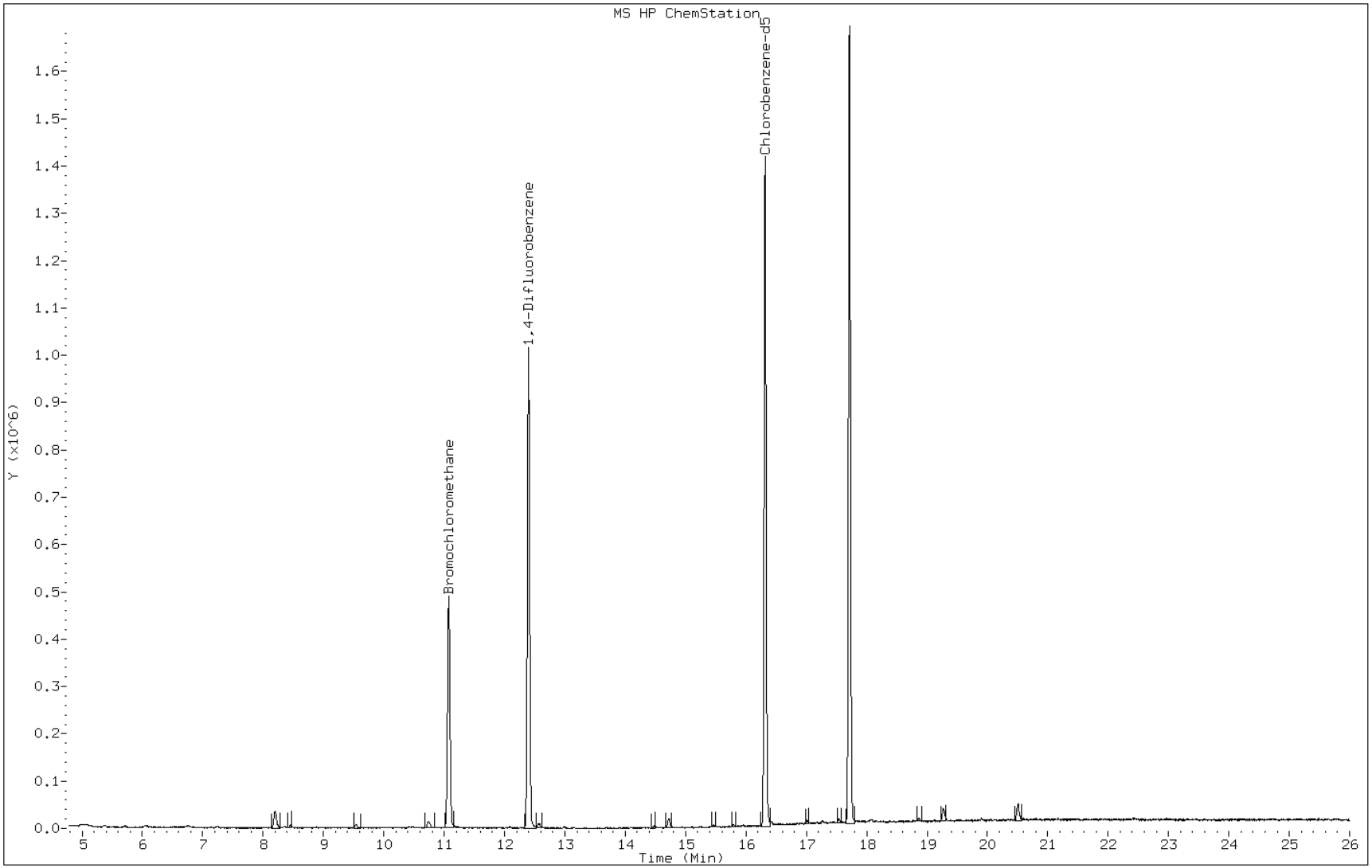
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	188305	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1073975	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1024794	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr019.d	Date:	21-MAR-2012 04:08
Client ID:	BLDG1001 SS-12	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-15		
Lab Sample ID:	200-9749-15		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG699 IA-4 Lab Sample ID: 200-9749-16

Matrix: Air Lab File ID: gghh018.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 08:48

Sample wt/vol: 200(mL) Date Analyzed: 03/14/2012 00:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.52		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-16
Client Smp ID: BLDG699 IA-4
Inj Date : 14-MAR-2012 00:12
Operator : pad Inst ID: G.i
Smp Info : 200-9749-A-16
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

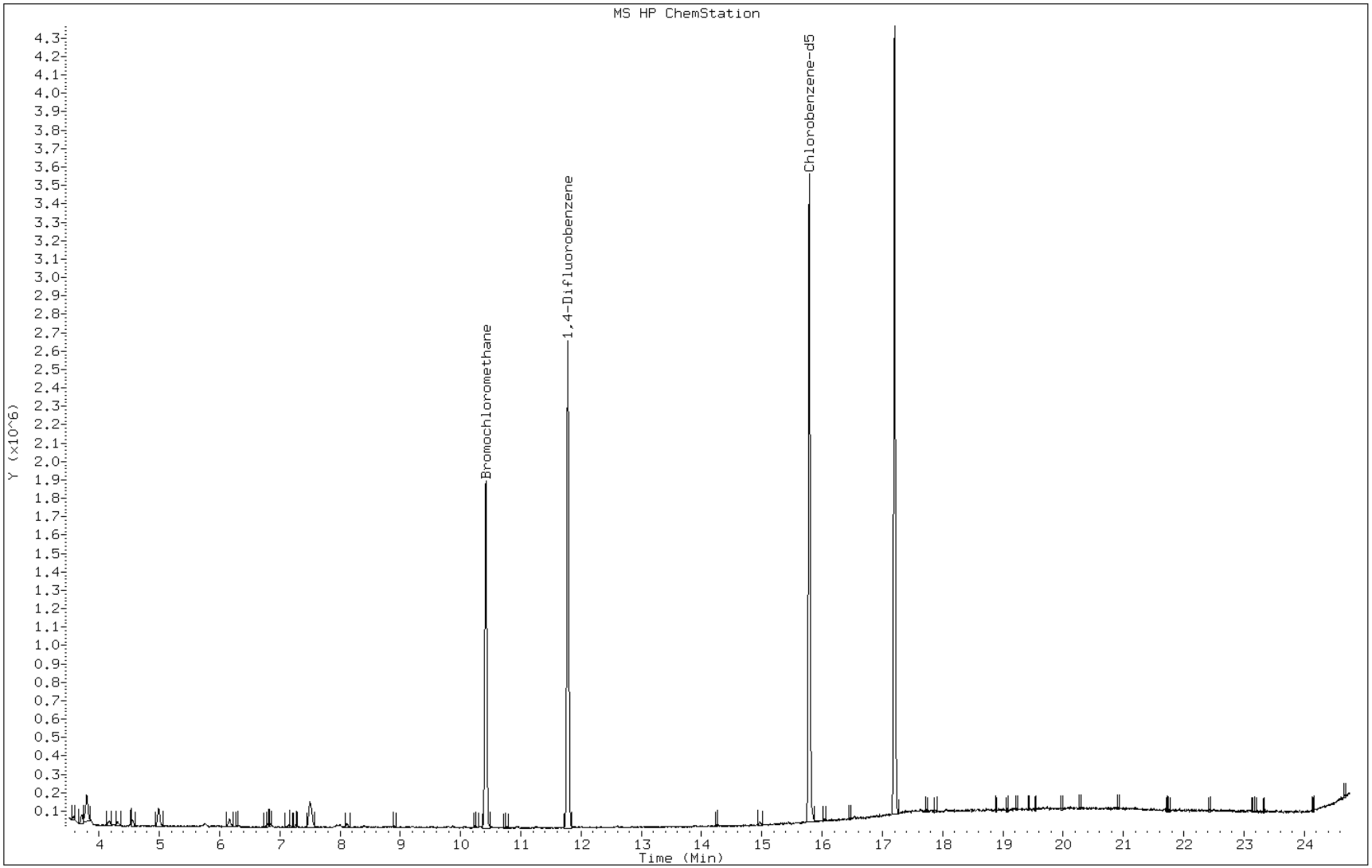
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.311	4.311	(0.414)	35158	0.52022	0.52
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.168	6.173	(0.592)	53273	0.19945	0.20
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	692410	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2782569	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2465024	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	gghh018.d	Date:	14-MAR-2012 00:12
Client ID:	BLDG699 IA-4	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-16		
Lab Sample ID:	200-9749-16		



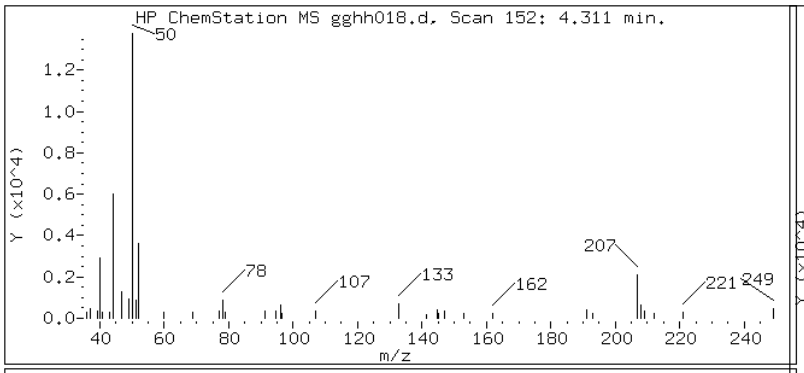
Data File: gghh018.d

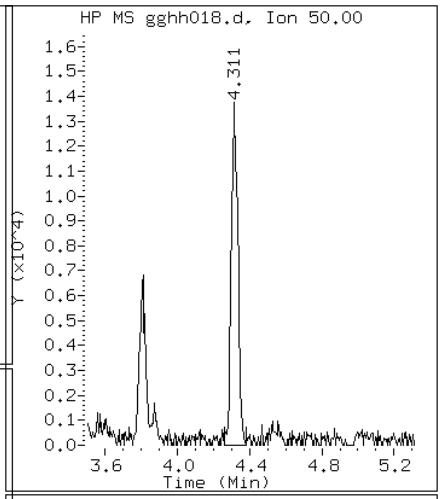
Lab Sample ID: 200-9749-16 Date: 14-MAR-2012 00:12

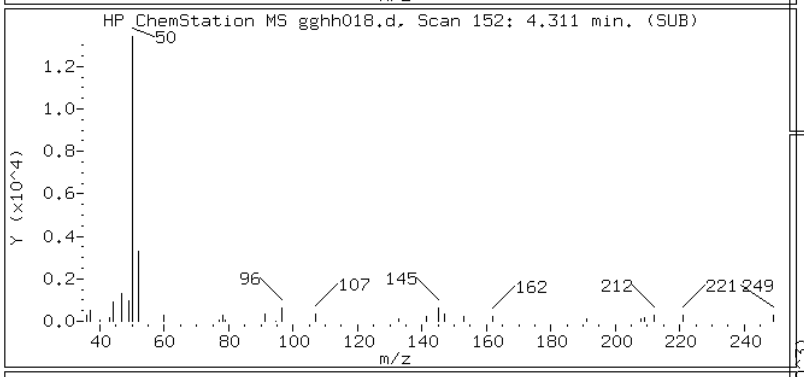
Client ID: BLDG699 IA-4 Instrument: G.i

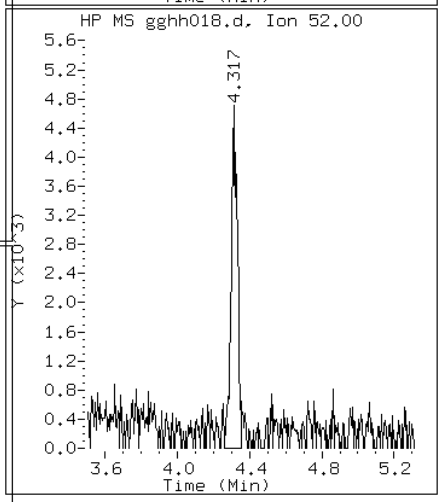
Sample Info: 200-9749-A-16 Operator: pad

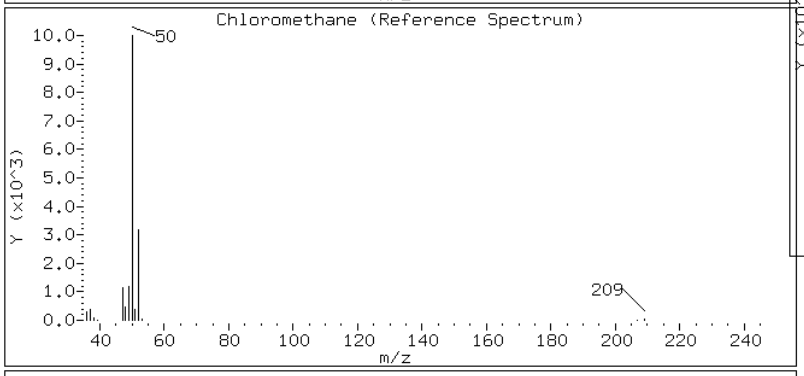
5 Chloromethane

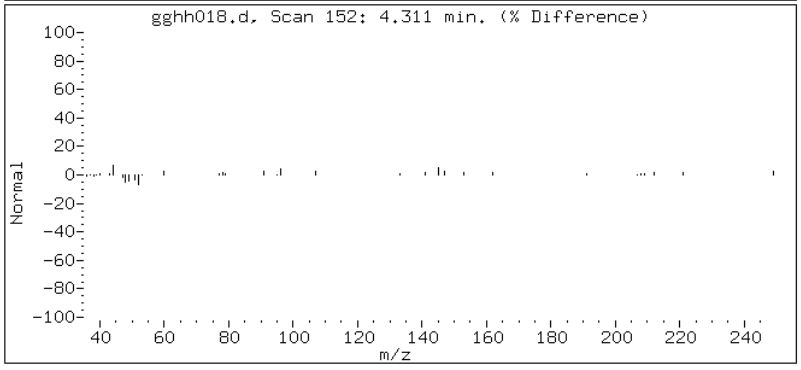












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG699 AA-3 Lab Sample ID: 200-9749-17

Matrix: Air Lab File ID: gghh019.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:15

Sample wt/vol: 200(mL) Date Analyzed: 03/14/2012 01:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.58		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-17
Client Smp ID: BLDG699 AA-3
Inj Date : 14-MAR-2012 01:01
Operator : pad Inst ID: G.i
Smp Info : 200-9749-A-17
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.311	4.311	(0.414)	39076	0.57773	0.58
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.162	6.173	(0.592)	55668	0.20825	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

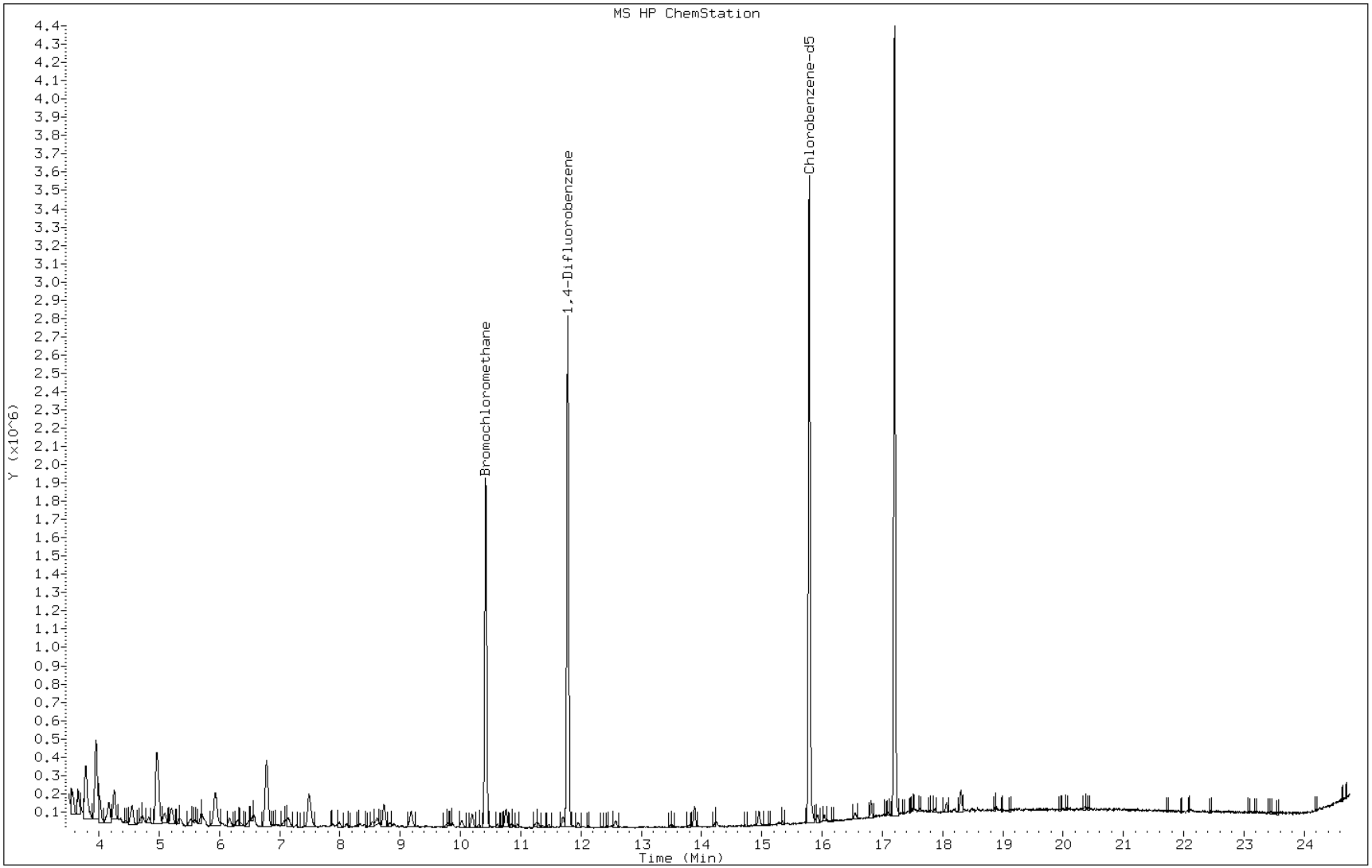
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.201	10.100	(0.979)	16741	0.63518	0.64(Q)
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	692976	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	10.758	10.774	(0.913)	53063	0.54225	0.54
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2951158	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.887	13.898	(0.880)	51043	0.42813	0.43
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2538460	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh019.d	Date:	14-MAR-2012 01:01
Client ID:	BLDG699 AA-3	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-17		
Lab Sample ID:	200-9749-17		



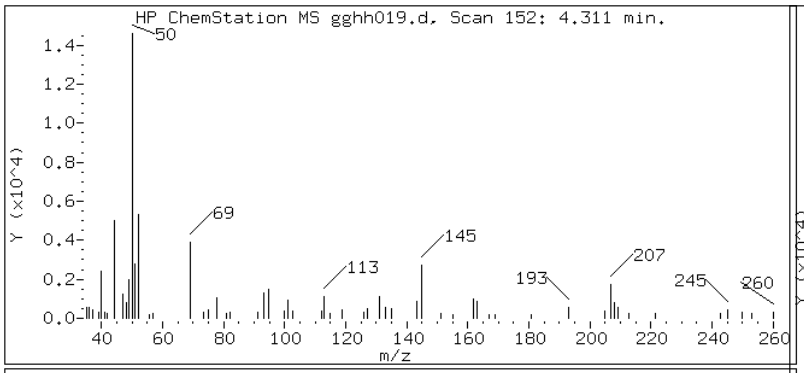
Data File: gghh019.d

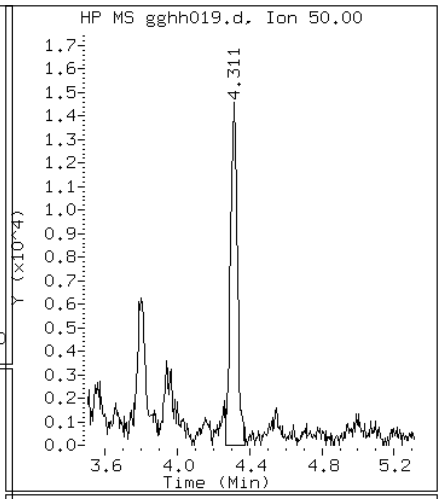
Lab Sample ID: 200-9749-17 Date: 14-MAR-2012 01:01

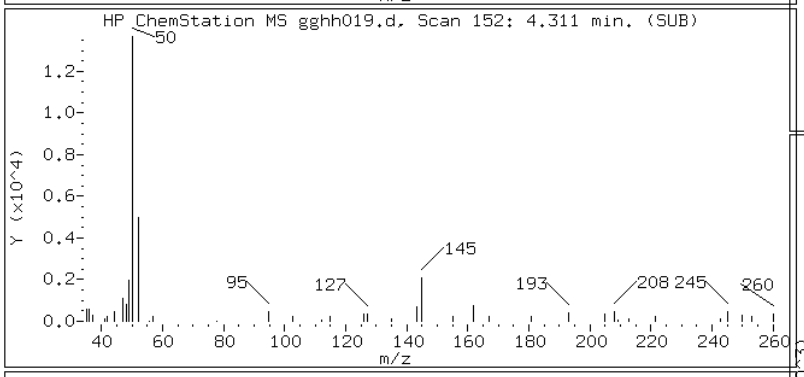
Client ID: BLDG699 AA-3 Instrument: G.i

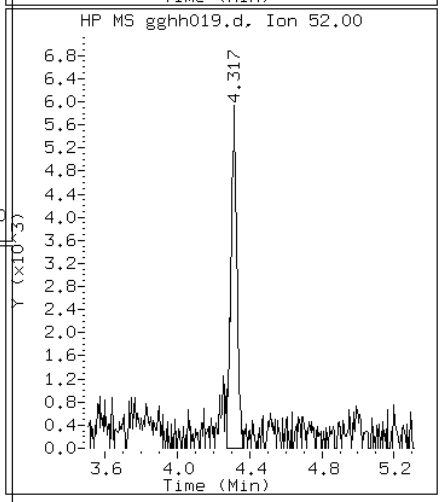
Sample Info: 200-9749-A-17 Operator: pad

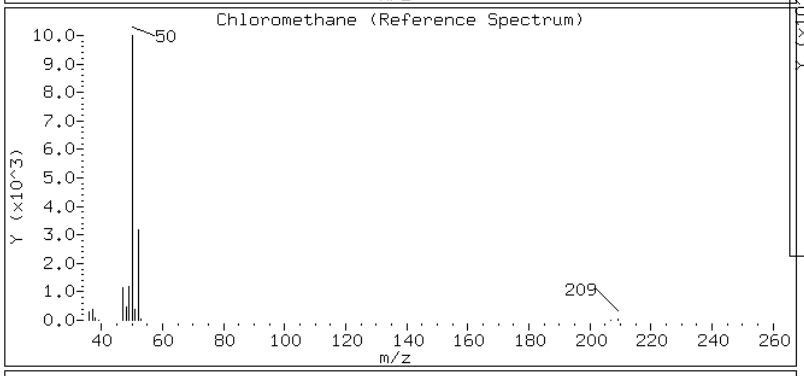
5 Chloromethane

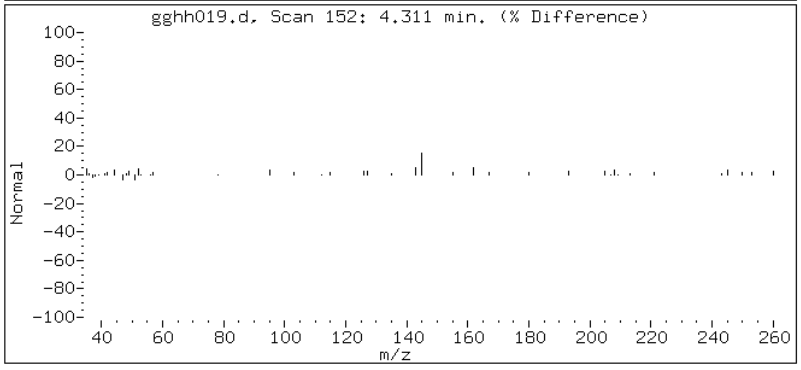












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: BLDG700 IA-5 Lab Sample ID: 200-9749-18

Matrix: Air Lab File ID: gghh020.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:41

Sample wt/vol: 200(mL) Date Analyzed: 03/14/2012 01:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.53		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9749-18
Client Smp ID: BLDG700 IA-5
Inj Date : 14-MAR-2012 01:50
Operator : pad Inst ID: G.i
Smp Info : 200-9749-A-18
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.311	4.311	(0.414)	34568	0.52782	0.53
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.162	6.173	(0.592)	55320	0.21372	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	7.446	7.414	(0.715)	414921	5.20619	5.2
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

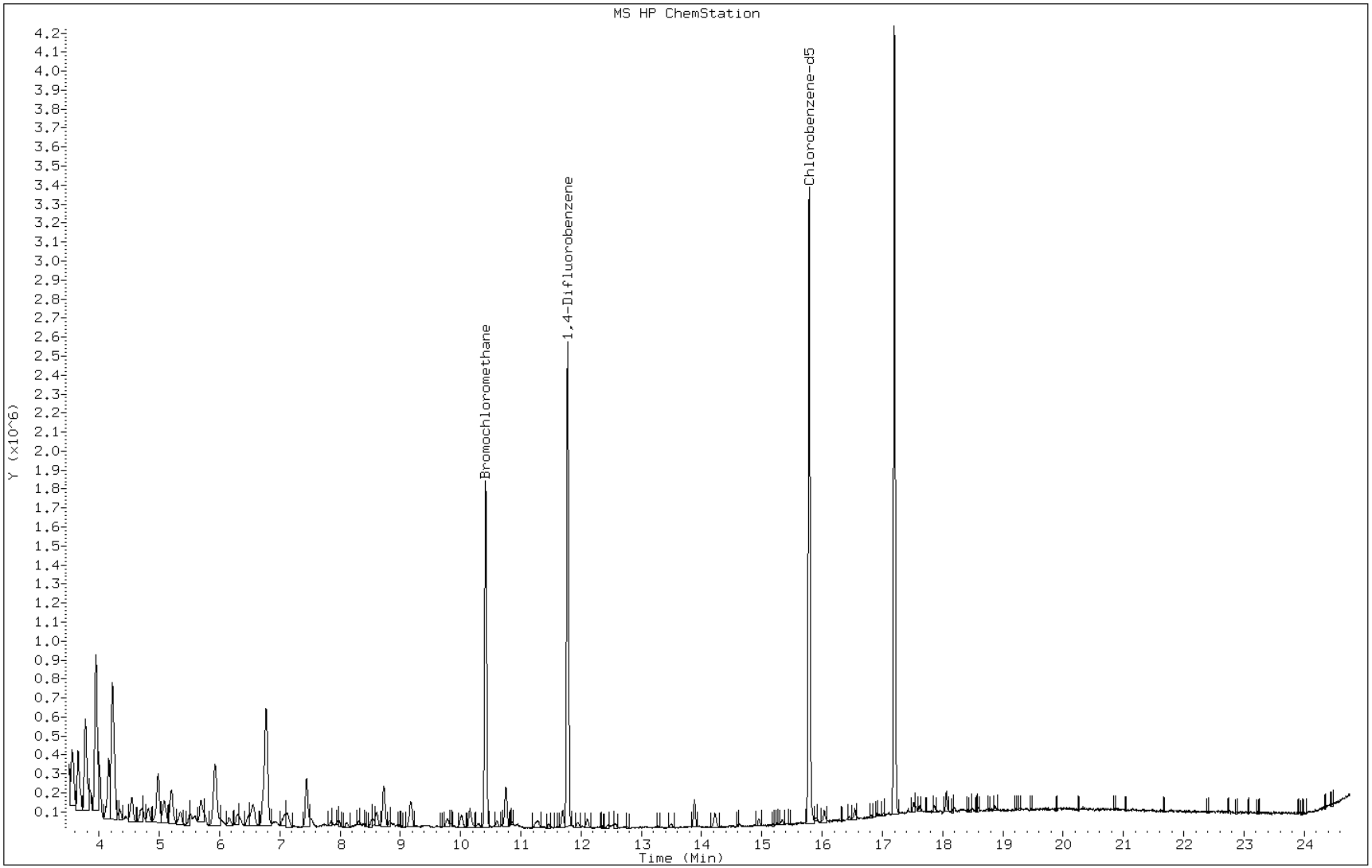
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	8.821	8.837	(0.847)	24017	0.28367	0.28
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.153	10.100	(0.975)	19106	0.74866	0.75(Q)
*	37 Bromochloromethane	128	10.415	10.431	(1.000)	670990	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	10.763	10.774	(0.914)	119277	1.31862	1.3
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.774	11.790	(1.000)	2727940	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	13.882	13.898	(0.879)	71229	0.63296	0.63
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2395991	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	18.065	18.071	(1.144)	69704	0.30953	0.31
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh020.d	Date:	14-MAR-2012 01:50
Client ID:	BLDG700 IA-5	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9749-A-18		
Lab Sample ID:	200-9749-18		



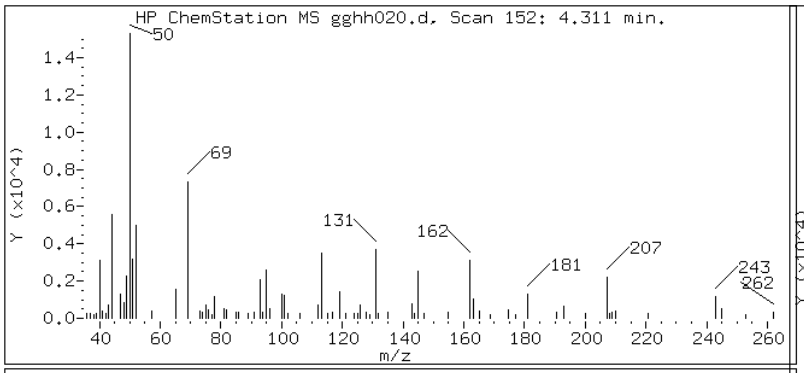
Data File: gghh020.d

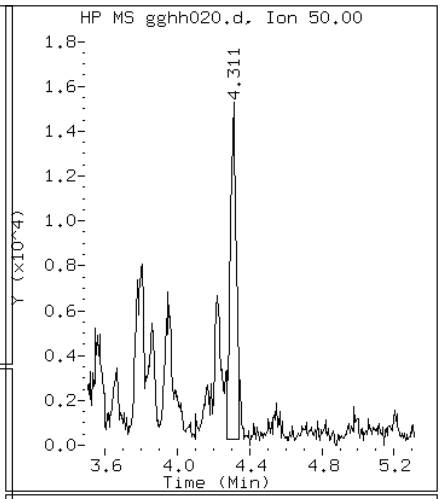
Lab Sample ID: 200-9749-18 Date: 14-MAR-2012 01:50

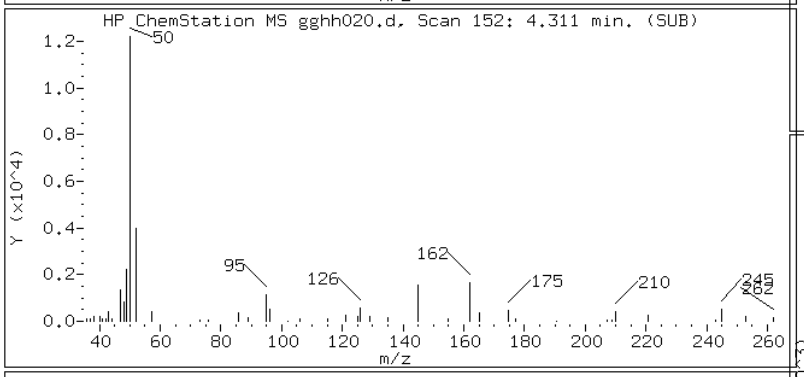
Client ID: BLDG700 IA-5 Instrument: G.i

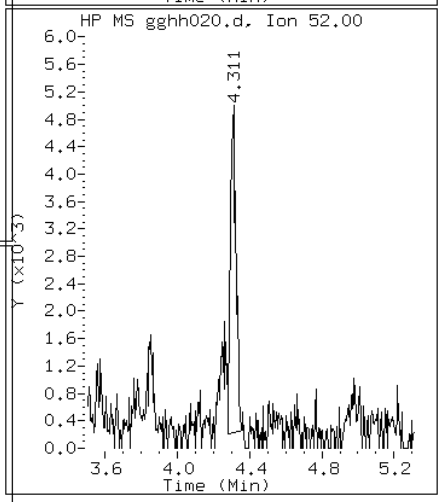
Sample Info: 200-9749-A-18 Operator: pad

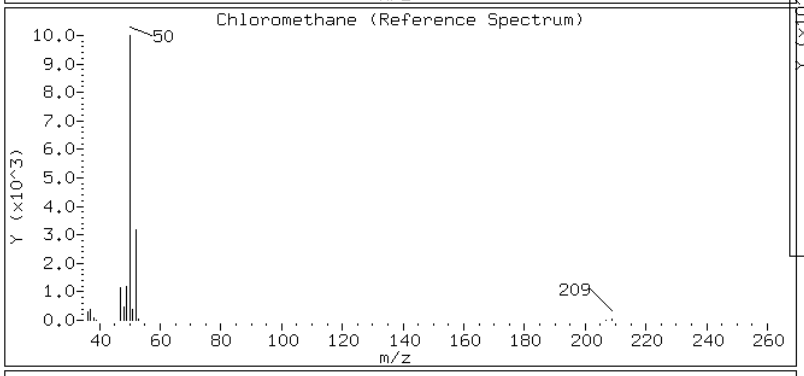
5 Chloromethane

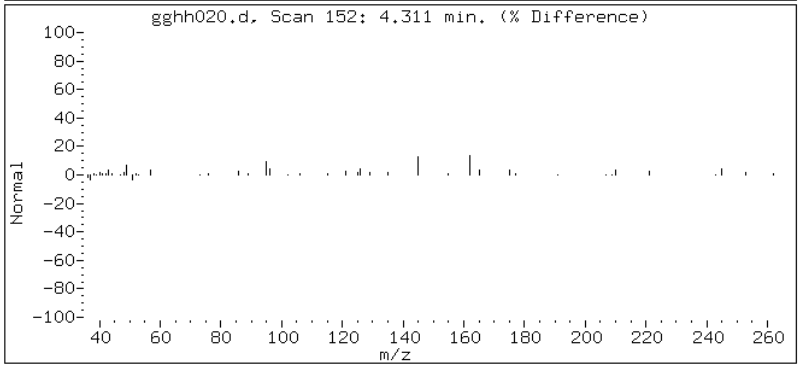












FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
Methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34198

SDG No.: 200-9749-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq004.d
Lab Smp Id: ic 279316
Inj Date : 24-FEB-2012 10:52
Operator : wrd Inst ID: C.i
Smp Info : ic 279316
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 10:52 Cal File: ckq004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.456)	26169	0.20000	0.22(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	28422	0.20000	0.22
5 Chloromethane	50	5.511	5.511	(0.497)	10349	0.20000	0.27(a)
7 Vinyl chloride	62	5.767	5.767	(0.520)	10180	0.20000	0.23
8 1,3-Butadiene	54	5.831	5.842	(0.526)	7730	0.20000	0.23
9 Bromomethane	94	6.498	6.503	(0.586)	9384	0.20000	0.24
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	7.053	7.053	(0.636)	9069	0.20000	0.23
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	25388	0.20000	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	19616	0.20000	0.23
19 1,1-Dichloroethene	96	8.072	8.072	(0.728)	9403	0.20000	0.24
20 Acetone	43	8.217	8.190	(0.741)	76582	0.20000	1.3(a)
21 Carbon disulfide	76	8.483	8.478	(0.765)	30247	0.20000	0.25(a)
23 Allyl chloride	41	8.670	8.675	(0.782)	15839	0.20000	0.26

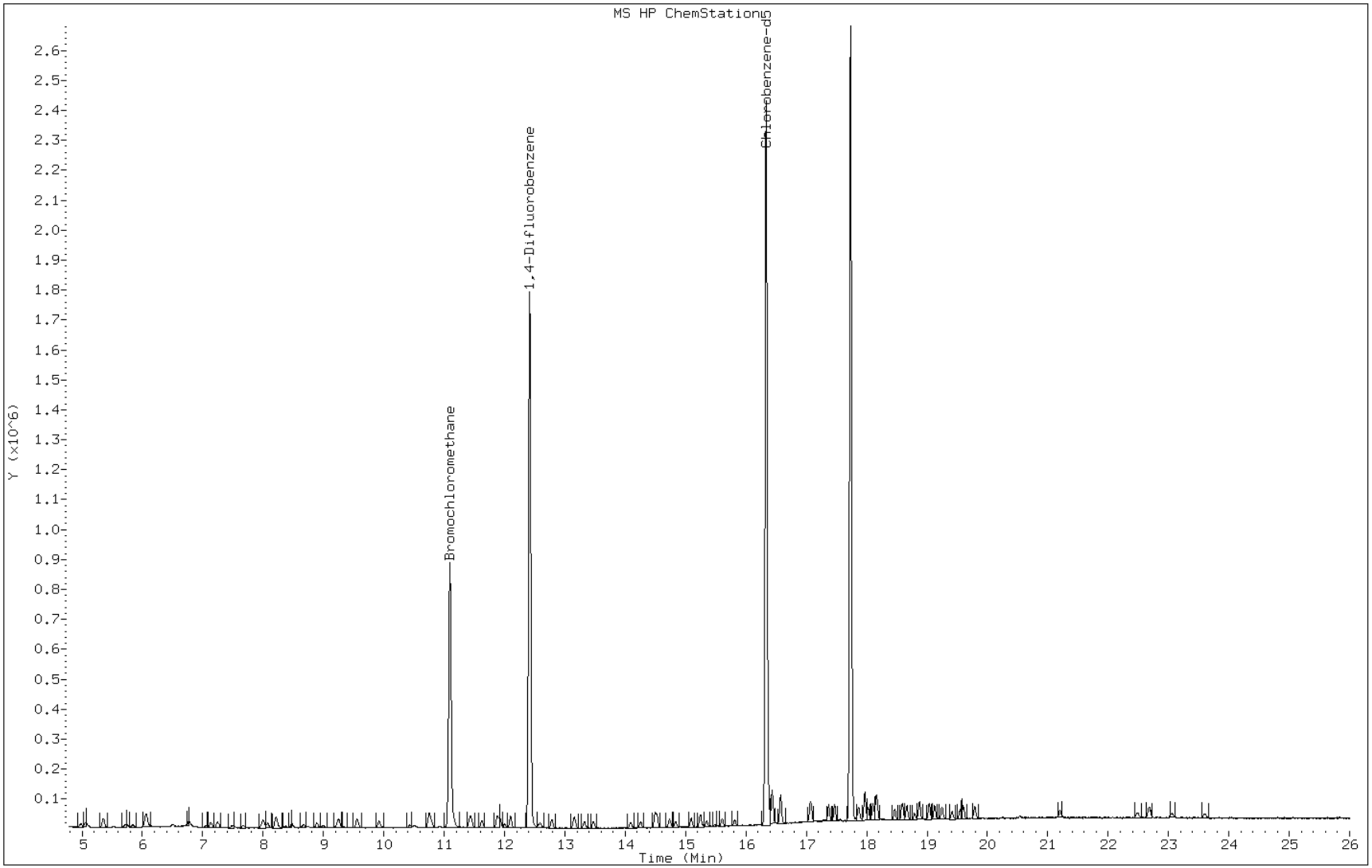
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.889	8.889	(0.801)	14397	0.20000	0.31(a)
27	Methyl tert-butyl ether	73	9.241	9.215	(0.833)	29760	0.20000	0.24
28	1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	15382	0.20000	0.23
30	n-Hexane	57	9.556	9.556	(0.861)	19067	0.20000	0.25
31	1,1-Dichloroethane	63	9.924	9.924	(0.895)	19113	0.20000	0.23
34	1,2-Dichloroethene (cis)	96	10.757	10.746	(0.970)	10559	0.20000	0.23
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	362182	10.0000	
39	Chloroform	83	11.152	11.146	(1.005)	22478	0.20000	0.23
40	Cyclohexane	84	11.451	11.451	(0.922)	16294	0.20000	0.23
41	1,1,1-Trichloroethane	97	11.419	11.424	(0.920)	22719	0.20000	0.21
42	Carbon tetrachloride	117	11.621	11.621	(0.936)	21422	0.20000	0.19(a)
43	2,2,4-Trimethylpentane	57	11.878	11.883	(0.957)	57315	0.20000	0.23
44	Benzene	78	11.931	11.926	(0.961)	37920	0.20000	0.24
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	13775	0.20000	0.21
46	n-Heptane	43	12.102	12.102	(0.975)	22501	0.20000	0.25
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2133767	10.0000	
49	Trichloroethene	95	12.780	12.785	(1.029)	14964	0.20000	0.22
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	13120	0.20000	0.24
51	Methyl methacrylate	69	13.175	13.159	(1.061)	9726	0.20000	0.20(aQ)
54	Bromodichloromethane	83	13.473	13.479	(1.085)	23089	0.20000	0.21
55	1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	18705	0.20000	0.22
56	Methyl isobutyl ketone	43	14.253	14.237	(1.148)	20569	0.20000	0.22(a)
58	Toluene	92	14.519	14.525	(0.889)	25743	0.20000	0.23
59	1,3-Dichloropropene (trans)	75	14.840	14.834	(1.195)	17908	0.20000	0.21
60	1,1,2-Trichloroethane	83	15.090	15.090	(0.924)	11594	0.20000	0.23
61	Tetrachloroethene	166	15.245	15.245	(0.933)	16459	0.20000	0.20
63	Dibromochloromethane	129	15.608	15.608	(0.956)	18748	0.20000	0.19(a)
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	19780	0.20000	0.21
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1966961	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.003)	31601	0.20000	0.22(Q)
68	Ethylbenzene	91	16.435	16.435	(1.006)	53563	0.20000	0.23
69	Xylene (m,p)	106	16.569	16.574	(1.014)	39686	0.40000	0.43(a)
71	Xylene (o)	106	17.065	17.065	(1.045)	19113	0.20000	0.21
72	Styrene	104	17.081	17.086	(1.046)	26234	0.20000	0.19(a)
73	Bromoform	173	17.369	17.375	(1.063)	15301	0.20000	0.16(a)
75	1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.094)	29004	0.20000	0.22
79	4-Ethyltoluene	105	18.100	18.100	(1.108)	49385	0.20000	0.19(a)
80	2-Chlorotoluene	91	18.149	18.154	(1.111)	53745	0.20000	0.23
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	41624	0.20000	0.19(a)
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.143)	39995	0.20000	0.19(a)
87	1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	28200	0.20000	0.19(a)
88	1,4-Dichlorobenzene	146	19.243	19.248	(1.178)	27817	0.20000	0.19(a)
92	1,2-Dichlorobenzene	146	19.792	19.792	(1.212)	27960	0.20000	0.20
94	1,2,4-Trichlorobenzene	180	22.487	22.487	(1.377)	11750	0.20000	0.15(a)
95	1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	12554	0.20000	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: ckq004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 279316
Lab Sample ID: ic 279316

Date: 24-FEB-2012 10:52
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq005.d
Lab Smp Id: ic 279315
Inj Date : 24-FEB-2012 11:42
Operator : wrd Inst ID: C.i
Smp Info : ic 279315
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 11:42 Cal File: ckq005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	62301	0.50000	0.53
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	70182	0.50000	0.56
5 Chloromethane	50	5.516	5.511	(0.497)	23312	0.50000	0.62
7 Vinyl chloride	62	5.762	5.767	(0.519)	26120	0.50000	0.58
8 1,3-Butadiene	54	5.842	5.842	(0.527)	18901	0.50000	0.56
9 Bromomethane	94	6.504	6.503	(0.586)	21898	0.50000	0.57
10 Chloroethane	64	6.701	6.696	(0.604)	13141	0.50000	0.58
12 Vinyl bromide	106	7.053	7.053	(0.636)	22034	0.50000	0.56
13 Trichlorofluoromethane	101	7.139	7.138	(0.644)	60051	0.50000	0.51
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.003	7.998	(0.721)	45832	0.50000	0.55
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	24985	0.50000	0.61(Q)
20 Acetone	43	8.206	8.190	(0.740)	81259	0.50000	1.4(a)
21 Carbon disulfide	76	8.484	8.478	(0.765)	73945	0.50000	0.60
22 Isopropanol	45	Compound Not Detected.					

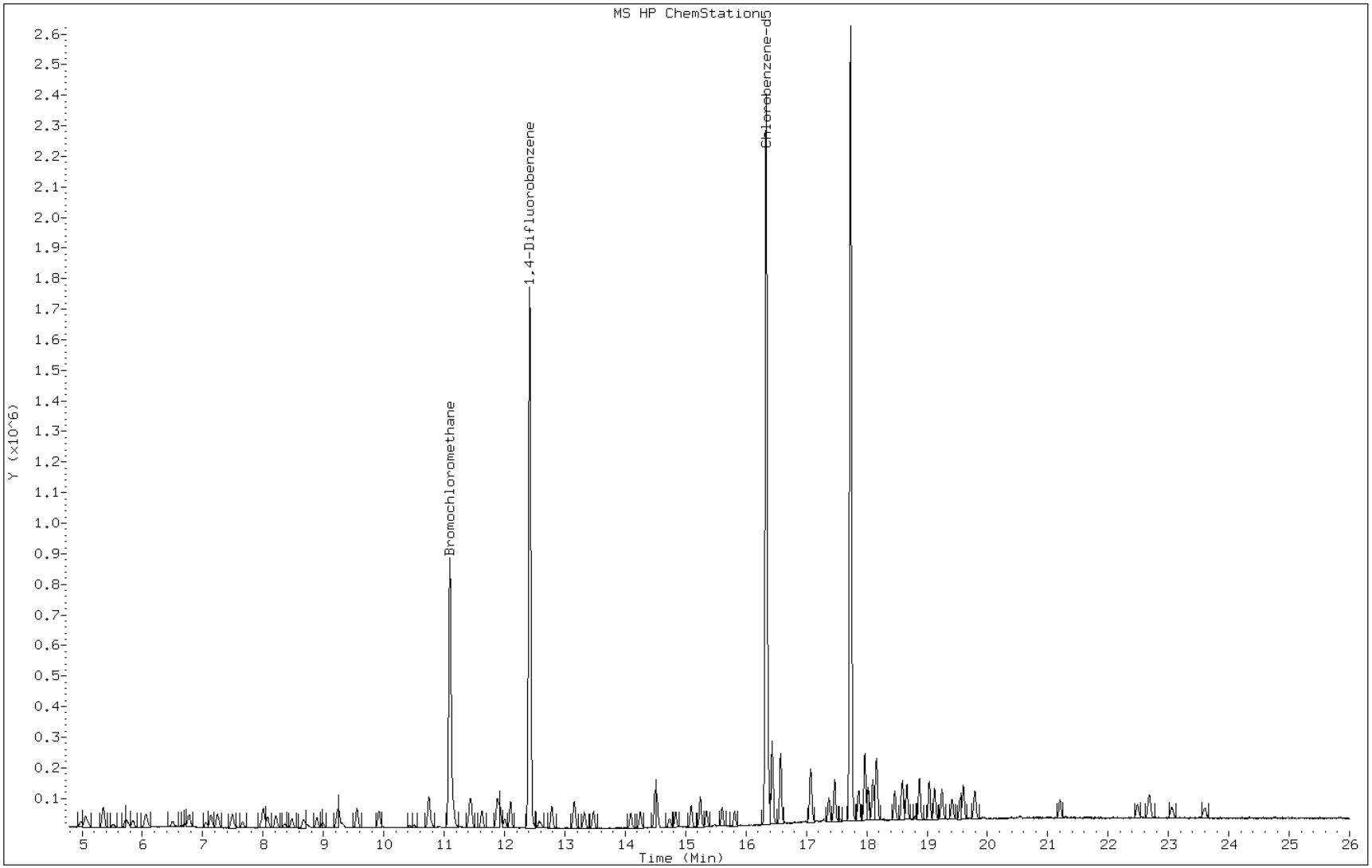
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.676	8.675	(0.782)	33655	0.50000	0.55(M)
25	Methylene chloride	49	8.889	8.889	(0.801)	28874	0.50000	0.62
27	Methyl tert-butyl ether	73	9.231	9.215	(0.832)	70316	0.50000	0.56
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	36763	0.50000	0.56
30	n-Hexane	57	9.556	9.556	(0.861)	44418	0.50000	0.57
31	1,1-Dichloroethane	63	9.925	9.924	(0.895)	46544	0.50000	0.56
34	1,2-Dichloroethene (cis)	96	10.752	10.746	(0.969)	26642	0.50000	0.56
36	Methyl Ethyl Ketone	72	10.757	10.736	(0.970)	16398	0.50000	0.73(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	355857	10.0000	
39	Chloroform	83	11.141	11.146	(1.004)	52930	0.50000	0.55
40	Cyclohexane	84	11.451	11.451	(0.922)	39656	0.50000	0.56
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	54287	0.50000	0.51
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	51116	0.50000	0.47
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	137951	0.50000	0.56
44	Benzene	78	11.926	11.926	(0.960)	86161	0.50000	0.56
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	33621	0.50000	0.52
46	n-Heptane	43	12.102	12.102	(0.975)	51388	0.50000	0.56
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2085981	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	35265	0.50000	0.52
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	30708	0.50000	0.56
51	Methyl methacrylate	69	13.164	13.159	(1.060)	25164	0.50000	0.52(Q)
54	Bromodichloromethane	83	13.479	13.479	(1.086)	53553	0.50000	0.49
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	45801	0.50000	0.54
56	Methyl isobutyl ketone	43	14.253	14.237	(1.148)	51625	0.50000	0.56
58	Toluene	92	14.525	14.525	(0.889)	60516	0.50000	0.56
59	1,3-Dichloropropene (trans)	75	14.829	14.834	(1.194)	42603	0.50000	0.50
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	28186	0.50000	0.56
61	Tetrachloroethene	166	15.245	15.245	(0.933)	38598	0.50000	0.47
63	Dibromochloromethane	129	15.608	15.608	(0.956)	46295	0.50000	0.47
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	48086	0.50000	0.53
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1905026	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.003)	76449	0.50000	0.54(Q)
68	Ethylbenzene	91	16.436	16.435	(1.006)	126034	0.50000	0.54
69	Xylene (m,p)	106	16.569	16.574	(1.014)	96003	1.00000	1.1
71	Xylene (o)	106	17.065	17.065	(1.045)	46766	0.50000	0.52
72	Styrene	104	17.087	17.086	(1.046)	66760	0.50000	0.49
73	Bromoform	173	17.370	17.375	(1.063)	37975	0.50000	0.42
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	71871	0.50000	0.55
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	122894	0.50000	0.49
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	125367	0.50000	0.55
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	103006	0.50000	0.48
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.143)	98159	0.50000	0.47
87	1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	65405	0.50000	0.46
88	1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	62320	0.50000	0.44
92	1,2-Dichlorobenzene	146	19.793	19.792	(1.212)	61205	0.50000	0.45
94	1,2,4-Trichlorobenzene	180	22.488	22.487	(1.377)	26971	0.50000	0.36(a)
95	1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	28559	0.50000	0.43

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: ckq005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 279315
Lab Sample ID: ic 279315

Date: 24-FEB-2012 11:42
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq005.d
Lab Sample ID: ic 279315
Inj. Date and Time: 24-FEB-2012 11:42
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

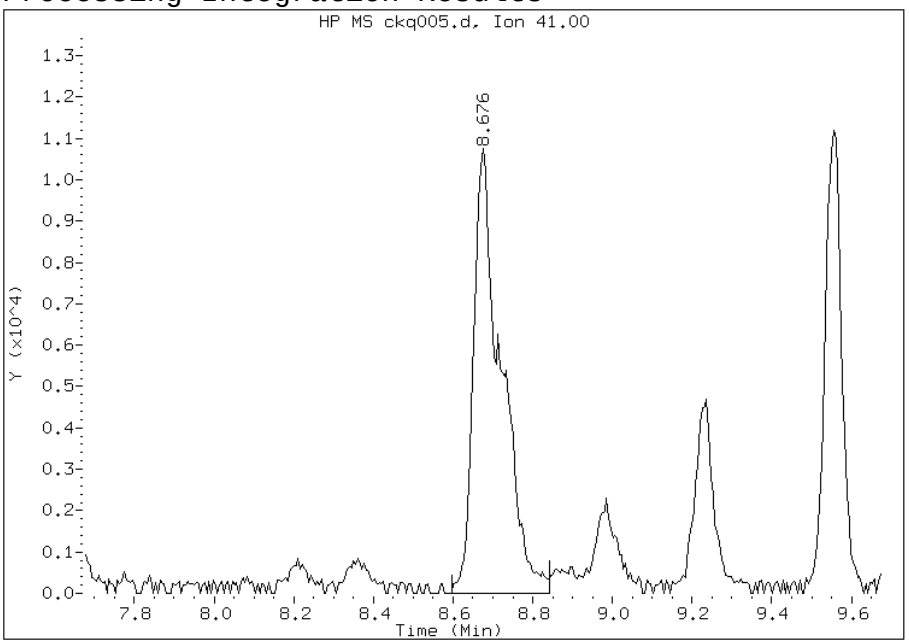
Processing Integration Results

RT: 8.68

Response: 52144

Amount: 0.782554

Conc: 0.782554



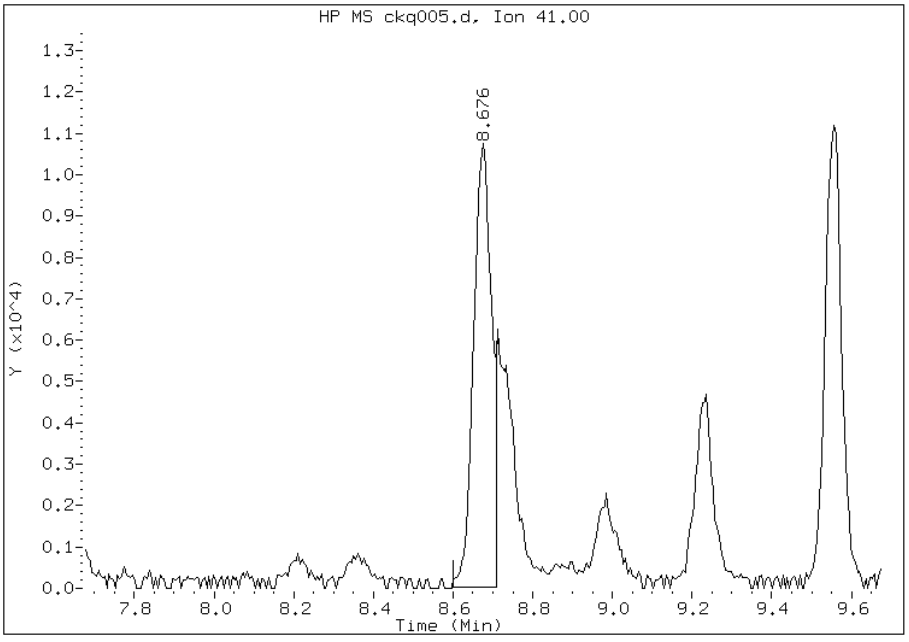
Manual Integration Results

RT: 8.68

Response: 33655

Amount: 0.545121

Conc: 0.545121



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq006.d
Lab Smp Id: ic 275709
Inj Date : 24-FEB-2012 12:32
Operator : wrd Inst ID: C.i
Smp Info : ic 275709
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 12:32 Cal File: ckq006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	591927	5.00000	5.0
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.481)	668383	5.00000	5.2
5 Chloromethane	50	5.505	5.511	(0.496)	209637	5.00000	5.4
7 Vinyl chloride	62	5.756	5.767	(0.519)	241922	5.00000	5.2
8 1,3-Butadiene	54	5.836	5.842	(0.526)	183896	5.00000	5.3
9 Bromomethane	94	6.493	6.503	(0.585)	201906	5.00000	5.1
10 Chloroethane	64	6.696	6.696	(0.604)	119584	5.00000	5.1
12 Vinyl bromide	106	7.053	7.053	(0.636)	216562	5.00000	5.3
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	574020	5.00000	4.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.998	(0.720)	440870	5.00000	5.1
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	219244	5.00000	5.1
20 Acetone	43	8.185	8.190	(0.738)	365162	5.00000	6.0
21 Carbon disulfide	76	8.473	8.478	(0.764)	688851	5.00000	5.3
22 Isopropanol	45	8.329	8.334	(0.751)	244142	5.00000	6.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	8.670	8.675	(0.782)	358588	5.00000	5.5(M)
	25 Methylene chloride	49	8.884	8.889	(0.801)	251619	5.00000	5.2
	26 Tert-butyl alcohol	59	8.953	8.953	(0.807)	319031	5.00000	5.4
	27 Methyl tert-butyl ether	73	9.209	9.215	(0.830)	664054	5.00000	5.1
	28 1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	355998	5.00000	5.2
	30 n-Hexane	57	9.551	9.556	(0.861)	422156	5.00000	5.2
	31 1,1-Dichloroethane	63	9.919	9.924	(0.894)	454380	5.00000	5.2
	34 1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	256374	5.00000	5.2
	36 Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	120709	5.00000	5.1(Q)
*	37 Bromochloromethane	128	11.093	11.098	(1.000)	369008	10.0000	
	38 Tetrahydrofuran	42	11.131	11.130	(0.896)	256051	5.00000	5.5
	39 Chloroform	83	11.141	11.146	(1.004)	503573	5.00000	5.0
	40 Cyclohexane	84	11.451	11.451	(0.922)	381985	5.00000	5.1
	41 1,1,1-Trichloroethane	97	11.419	11.424	(0.920)	526455	5.00000	4.8
	42 Carbon tetrachloride	117	11.622	11.621	(0.936)	509254	5.00000	4.6
	43 2,2,4-Trimethylpentane	57	11.878	11.883	(0.957)	1328399	5.00000	5.1
	44 Benzene	78	11.926	11.926	(0.960)	828237	5.00000	5.1
	45 1,2-Dichloroethane	62	12.001	12.006	(0.966)	330378	5.00000	5.0
	46 n-Heptane	43	12.102	12.102	(0.975)	489273	5.00000	5.1
*	47 1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2177840	10.0000	
	49 Trichloroethene	95	12.785	12.785	(1.030)	354762	5.00000	5.0
	50 1,2-Dichloropropane	63	13.148	13.148	(1.059)	297817	5.00000	5.1
	51 Methyl methacrylate	69	13.159	13.159	(1.060)	265107	5.00000	5.2
	53 1,4-Dioxane	88	13.281	13.276	(1.070)	107080	5.00000	5.8
	54 Bromodichloromethane	83	13.473	13.479	(1.085)	565149	5.00000	5.0
	55 1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	451799	5.00000	5.1
	56 Methyl isobutyl ketone	43	14.237	14.237	(1.147)	496409	5.00000	5.1
	58 Toluene	92	14.525	14.525	(0.889)	597868	5.00000	5.1
	59 1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	443739	5.00000	5.0
	60 1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	279686	5.00000	5.2
	61 Tetrachloroethene	166	15.245	15.245	(0.933)	404383	5.00000	4.7
	63 Dibromochloromethane	129	15.608	15.608	(0.956)	512129	5.00000	4.9
	64 1,2-Dibromoethane	107	15.811	15.811	(0.968)	495924	5.00000	5.1
*	65 Chlorobenzene-d5	117	16.334	16.339	(1.000)	2015601	10.0000	
	66 Chlorobenzene	112	16.371	16.377	(1.002)	759563	5.00000	5.1
	68 Ethylbenzene	91	16.435	16.435	(1.006)	1243323	5.00000	5.1
	69 Xylene (m,p)	106	16.574	16.574	(1.015)	971223	10.0000	10
	71 Xylene (o)	106	17.065	17.065	(1.045)	476418	5.00000	5.0
	72 Styrene	104	17.087	17.086	(1.046)	738105	5.00000	5.1
	73 Bromoform	173	17.369	17.375	(1.063)	446396	5.00000	4.7
	75 1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.094)	715466	5.00000	5.2
	79 4-Ethyltoluene	105	18.101	18.100	(1.108)	1387661	5.00000	5.2
	80 2-Chlorotoluene	91	18.154	18.154	(1.111)	1210974	5.00000	5.0
	81 1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	1127801	5.00000	5.0
	84 1,2,4-Trimethylbenzene	105	18.661	18.661	(1.142)	1125728	5.00000	5.1
	87 1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	724951	5.00000	4.9
	88 1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	713801	5.00000	4.9

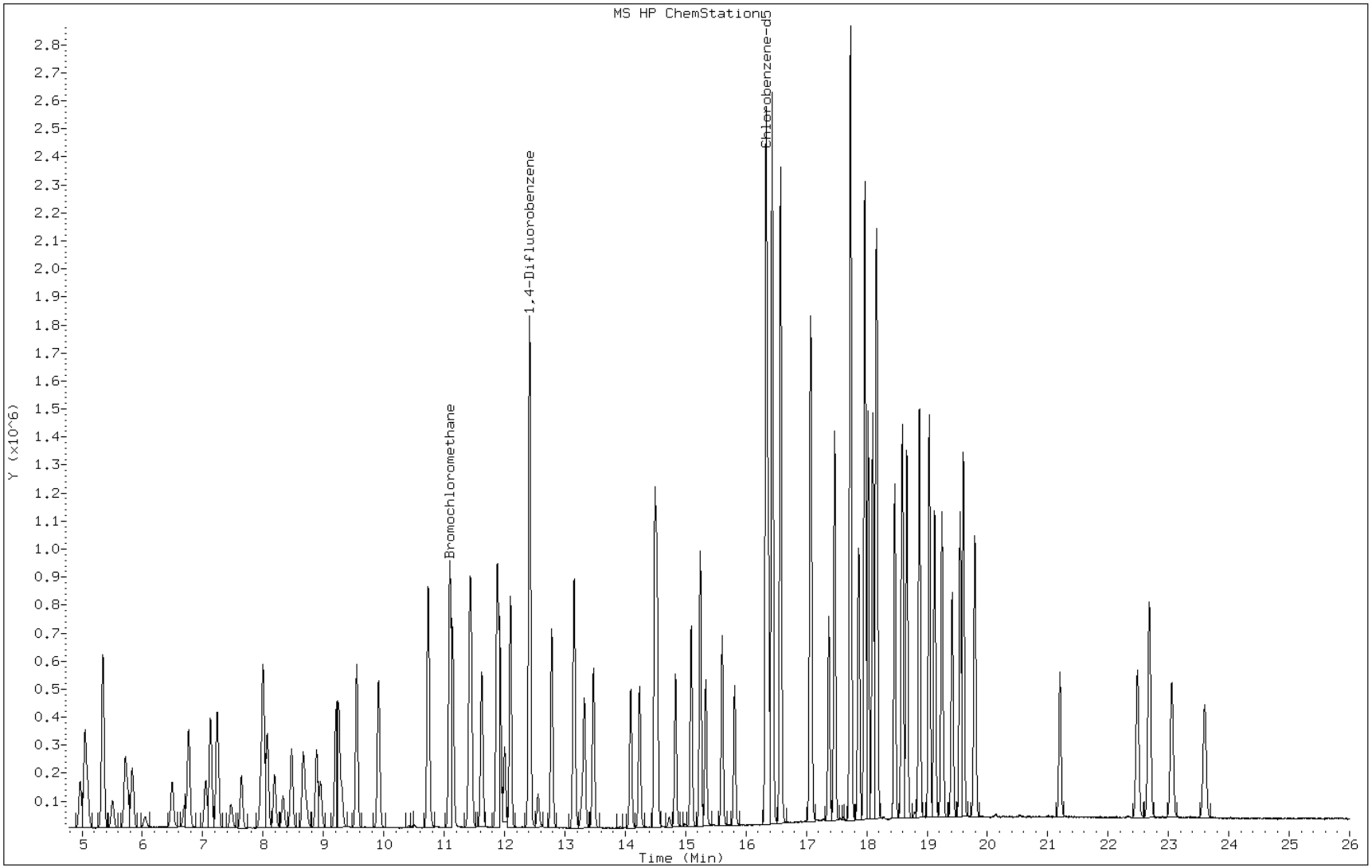
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.212)	692455	5.00000	4.9
94 1,2,4-Trichlorobenzene	180	22.482	22.487	(1.376)	341565	5.00000	4.5
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	296246	5.00000	4.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: ckq006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 275709
Lab Sample ID: ic 275709

Date: 24-FEB-2012 12:32
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq006.d
Lab Sample ID: ic 275709
Inj. Date and Time: 24-FEB-2012 12:32
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

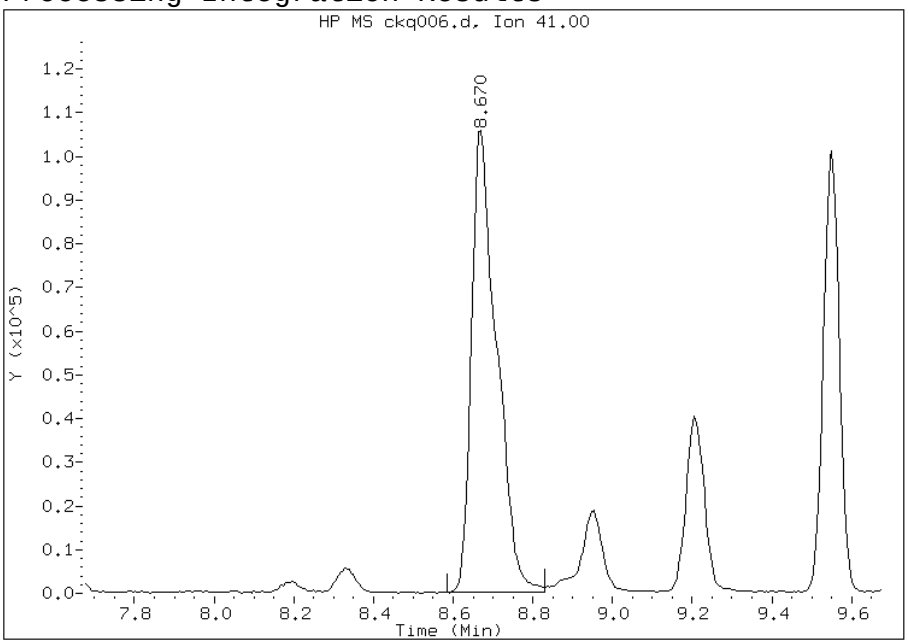
Processing Integration Results

RT: 8.67

Response: 462598

Amount: 6.42

Conc: 6.42



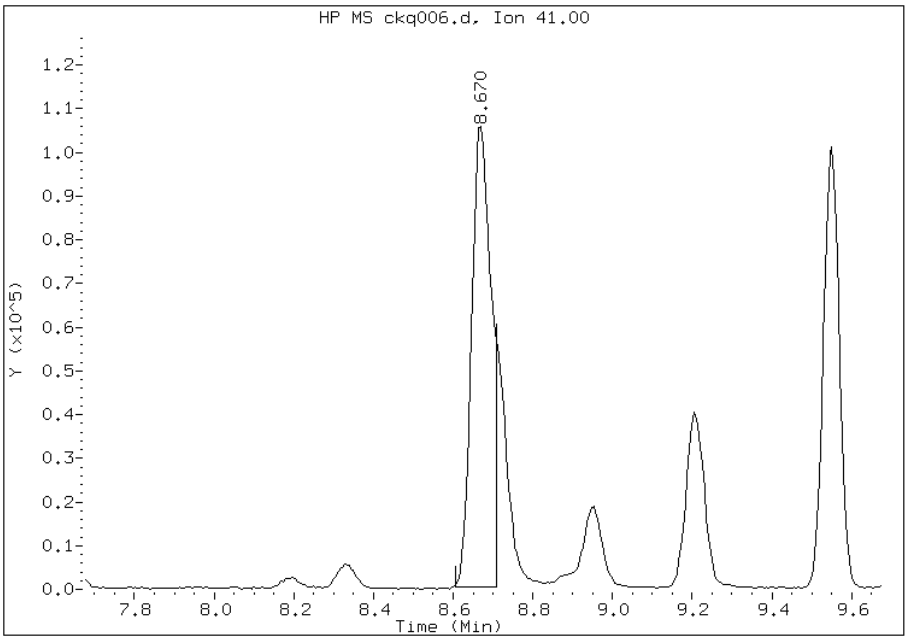
Manual Integration Results

RT: 8.67

Response: 358588

Amount: 5.48

Conc: 5.48



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq007.d
Lab Smp Id: icis 275682
Inj Date : 24-FEB-2012 13:22
Operator : wrd Inst ID: C.i
Smp Info : icis 275682
Misc Info : 200,1, icis
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 13:22 Cal File: ckq007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.456)	1175354	10.0000	9.2
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	1325083	10.0000	9.4
5 Chloromethane	50	5.511	5.511	(0.497)	409725	10.0000	9.7
7 Vinyl chloride	62	5.767	5.767	(0.520)	481937	10.0000	9.6
8 1,3-Butadiene	54	5.842	5.842	(0.526)	368182	10.0000	9.7
9 Bromomethane	94	6.503	6.503	(0.586)	413532	10.0000	9.5
10 Chloroethane	64	6.696	6.696	(0.603)	241576	10.0000	9.6
12 Vinyl bromide	106	7.053	7.053	(0.636)	449720	10.0000	10
13 Trichlorofluoromethane	101	7.138	7.138	(0.643)	1171794	10.0000	9.1
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	908253	10.0000	9.6
19 1,1-Dichloroethene	96	8.072	8.072	(0.727)	463155	10.0000	9.9
20 Acetone	43	8.190	8.190	(0.738)	603838	10.0000	9.2
21 Carbon disulfide	76	8.478	8.478	(0.764)	1447474	10.0000	10
22 Isopropanol	45	8.334	8.334	(0.751)	440019	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	8.675	8.675	(0.782)	689206	10.0000	9.7(M)
	25 Methylene chloride	49	8.889	8.889	(0.801)	491358	10.0000	9.4
	26 Tert-butyl alcohol	59	8.953	8.953	(0.807)	627939	10.0000	9.8
	27 Methyl tert-butyl ether	73	9.215	9.215	(0.830)	1274621	10.0000	9.0
	28 1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	712346	10.0000	9.6
	30 n-Hexane	57	9.556	9.556	(0.861)	842956	10.0000	9.6
	31 1,1-Dichloroethane	63	9.924	9.924	(0.894)	907976	10.0000	9.6
	34 1,2-Dichloroethene (cis)	96	10.746	10.746	(0.968)	533353	10.0000	9.9
	36 Methyl Ethyl Ketone	72	10.736	10.736	(0.967)	228992	10.0000	8.9
*	37 Bromochloromethane	128	11.098	11.098	(1.000)	400858	10.0000	
	38 Tetrahydrofuran	42	11.130	11.130	(0.896)	468585	10.0000	9.4
	39 Chloroform	83	11.146	11.146	(1.004)	1025814	10.0000	9.4
	40 Cyclohexane	84	11.451	11.451	(0.922)	772898	10.0000	9.6
	41 1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1074586	10.0000	9.1
	42 Carbon tetrachloride	117	11.621	11.621	(0.936)	1052064	10.0000	8.9
	43 2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	2674034	10.0000	9.6
	44 Benzene	78	11.926	11.926	(0.960)	1691850	10.0000	9.7
	45 1,2-Dichloroethane	62	12.006	12.006	(0.967)	654896	10.0000	9.2
	46 n-Heptane	43	12.102	12.102	(0.975)	966542	10.0000	9.4
*	47 1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2341547	10.0000	
	49 Trichloroethene	95	12.785	12.785	(1.030)	746435	10.0000	9.7
	50 1,2-Dichloropropane	63	13.148	13.148	(1.059)	591836	10.0000	9.5
	51 Methyl methacrylate	69	13.159	13.159	(1.060)	513225	10.0000	9.3
	53 1,4-Dioxane	88	13.276	13.276	(1.069)	211897	10.0000	11
	54 Bromodichloromethane	83	13.479	13.479	(1.086)	1158917	10.0000	9.6
	55 1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	918588	10.0000	9.6
	56 Methyl isobutyl ketone	43	14.237	14.237	(1.147)	929125	10.0000	8.9
	58 Toluene	92	14.525	14.525	(0.889)	1197754	10.0000	9.8
	59 1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	875985	10.0000	9.2
	60 1,1,2-Trichloroethane	83	15.090	15.090	(0.924)	555928	10.0000	9.8
	61 Tetrachloroethene	166	15.245	15.245	(0.933)	881191	10.0000	9.8
	63 Dibromochloromethane	129	15.608	15.608	(0.955)	1088094	10.0000	9.9
	64 1,2-Dibromoethane	107	15.811	15.811	(0.968)	1021428	10.0000	10
*	65 Chlorobenzene-d5	117	16.339	16.339	(1.000)	2130083	10.0000	
	66 Chlorobenzene	112	16.377	16.377	(1.002)	1553140	10.0000	9.8
	68 Ethylbenzene	91	16.435	16.435	(1.006)	2422789	10.0000	9.3
	69 Xylene (m,p)	106	16.574	16.574	(1.014)	1935593	20.0000	19
	71 Xylene (o)	106	17.065	17.065	(1.044)	939311	10.0000	9.4
	72 Styrene	104	17.086	17.086	(1.046)	1507113	10.0000	9.9
	73 Bromoform	173	17.375	17.375	(1.063)	957347	10.0000	9.6
	75 1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.093)	1402511	10.0000	9.6
	79 4-Ethyltoluene	105	18.100	18.100	(1.108)	2815694	10.0000	10
	80 2-Chlorotoluene	91	18.154	18.154	(1.111)	2397860	10.0000	9.4
	81 1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	2313828	10.0000	9.7
	84 1,2,4-Trimethylbenzene	105	18.661	18.661	(1.142)	2322159	10.0000	10
	87 1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	1521838	10.0000	9.7
	88 1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	1504696	10.0000	9.7

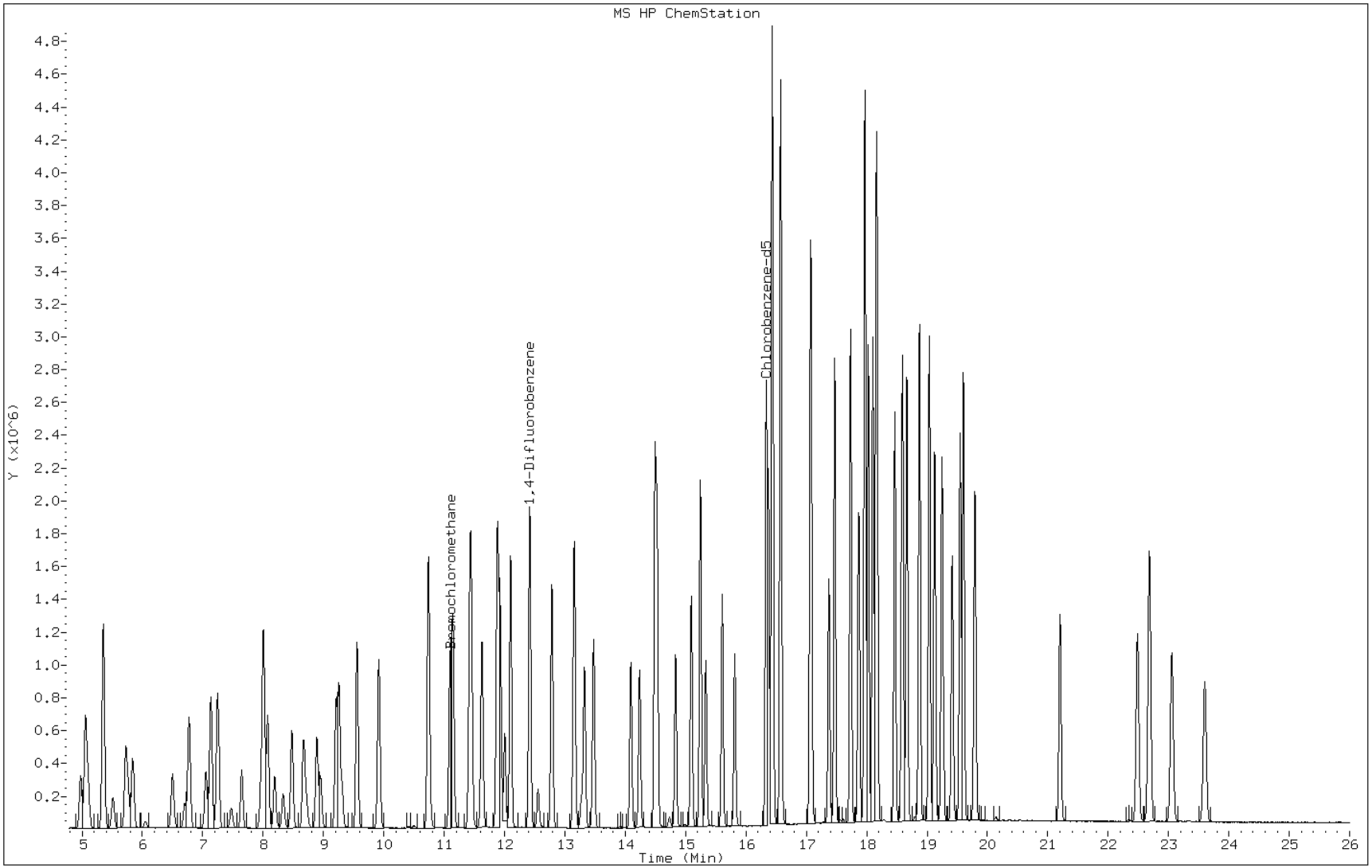
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.211)	1445820	10.0000	9.7
94 1,2,4-Trichlorobenzene	180	22.487	22.487	(1.376)	760164	10.0000	9.4
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	649779	10.0000	9.1

QC Flag Legend

M - Compound response manually integrated.

Data File: ckq007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 275682
Lab Sample ID: icis 275682

Date: 24-FEB-2012 13:22
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq007.d
Lab Sample ID: icis 275682
Inj. Date and Time: 24-FEB-2012 13:22
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

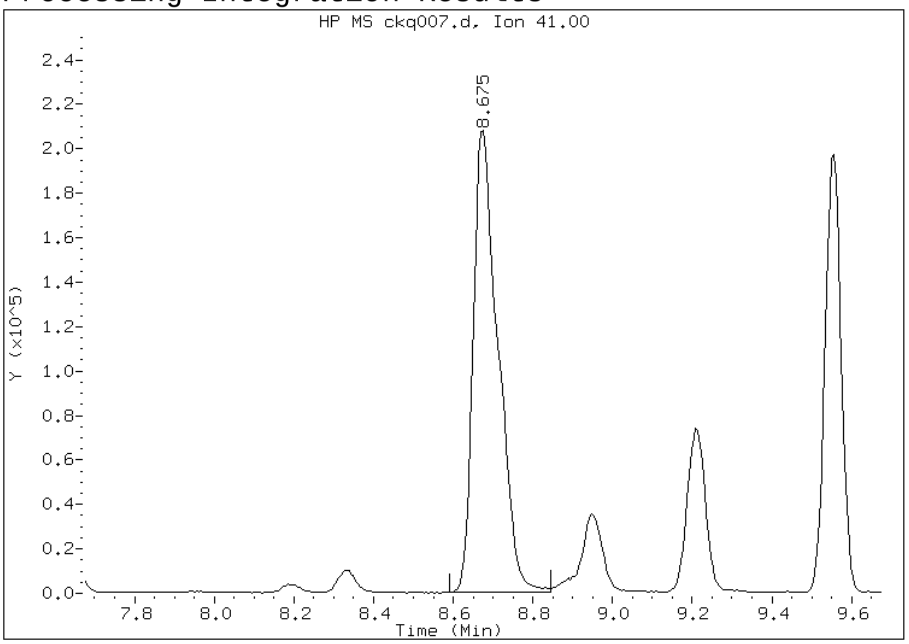
Processing Integration Results

RT: 8.68

Response: 899234

Amount: 10.99

Conc: 10.99



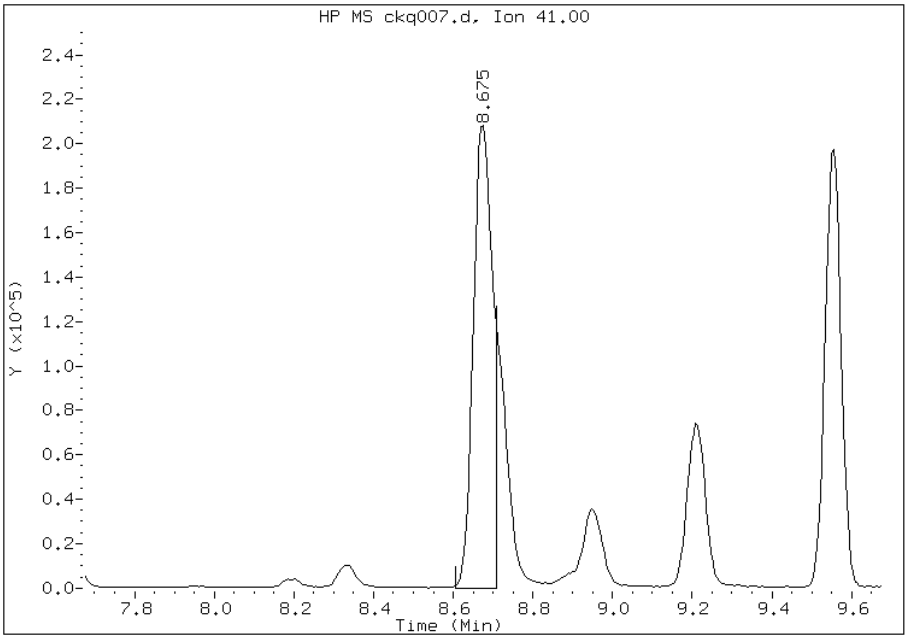
Manual Integration Results

RT: 8.68

Response: 689206

Amount: 9.70

Conc: 9.70



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq008.d
Lab Smp Id: ic 279073
Inj Date : 24-FEB-2012 14:13
Operator : wrd Inst ID: C.i
Smp Info : ic 279073
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 14:13 Cal File: ckq008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	1787663	15.0000	13
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.482)	2025646	15.0000	14
5 Chloromethane	50	5.511	5.511	(0.497)	614768	15.0000	14
7 Vinyl chloride	62	5.762	5.767	(0.519)	730487	15.0000	14
8 1,3-Butadiene	54	5.836	5.842	(0.526)	556280	15.0000	14
9 Bromomethane	94	6.498	6.503	(0.586)	641861	15.0000	14
10 Chloroethane	64	6.696	6.696	(0.604)	370906	15.0000	14
12 Vinyl bromide	106	7.053	7.053	(0.636)	715420	15.0000	15
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	1828839	15.0000	14
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	1430700	15.0000	14
19 1,1-Dichloroethene	96	8.073	8.072	(0.728)	734791	15.0000	15
20 Acetone	43	8.190	8.190	(0.738)	812390	15.0000	12
21 Carbon disulfide	76	8.478	8.478	(0.764)	2193978	15.0000	14
22 Isopropanol	45	8.329	8.334	(0.751)	694822	15.0000	15

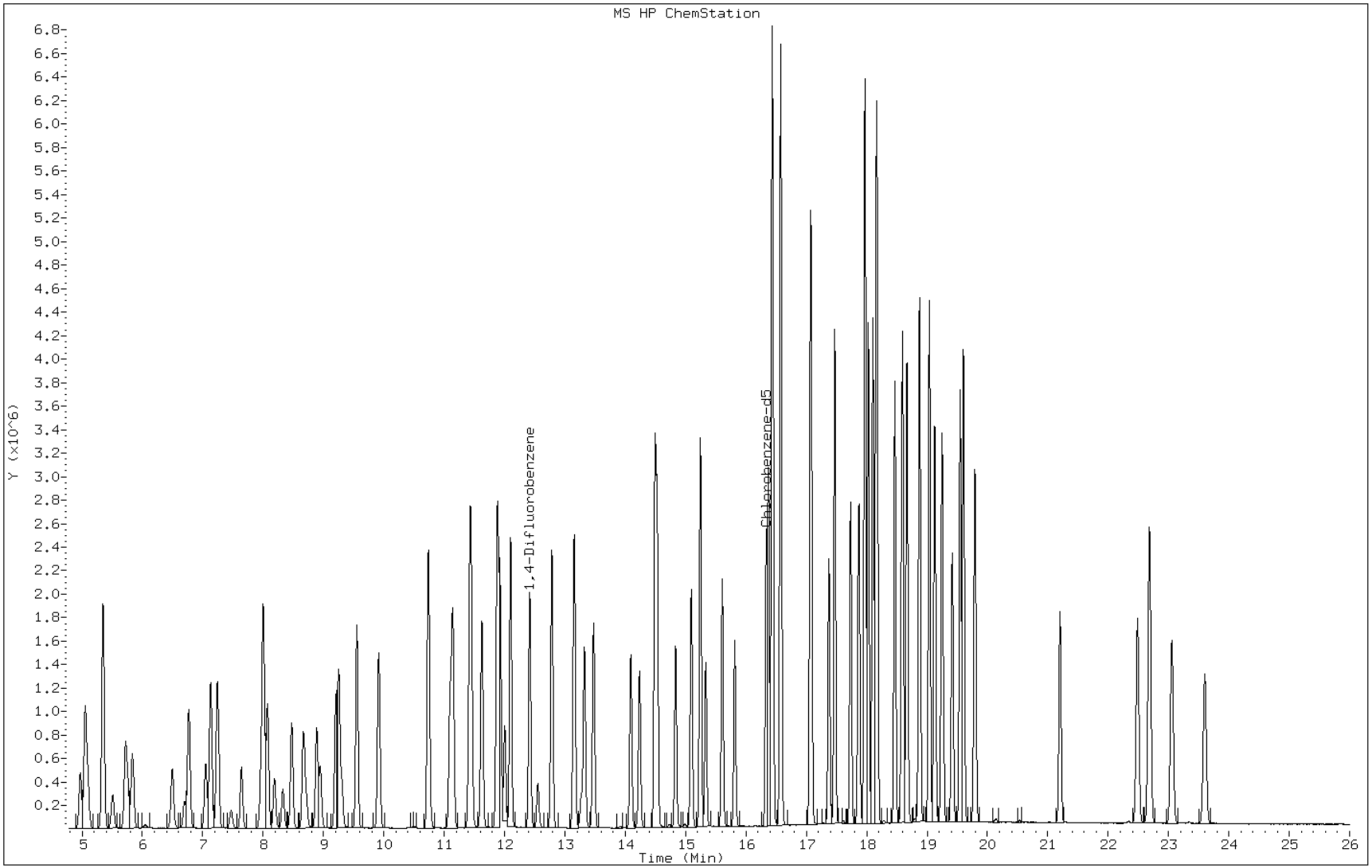
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.670	8.675	(0.782)	1063578	15.0000	14(M)
25	Methylene chloride	49	8.889	8.889	(0.801)	748269	15.0000	14
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	1031574	15.0000	15
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	1843318	15.0000	12
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	1099672	15.0000	14
30	n-Hexane	57	9.551	9.556	(0.861)	1292568	15.0000	14
31	1,1-Dichloroethane	63	9.925	9.924	(0.895)	1382774	15.0000	14
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	834635	15.0000	14
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	321667	15.0000	12
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	428886	10.0000	
38	Tetrahydrofuran	42	11.125	11.130	(0.896)	658169	15.0000	13
39	Chloroform	83	11.147	11.146	(1.005)	1587422	15.0000	14
40	Cyclohexane	84	11.451	11.451	(0.922)	1196919	15.0000	14
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1666725	15.0000	14
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	1646725	15.0000	14
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	4023487	15.0000	14
44	Benzene	78	11.926	11.926	(0.960)	2610721	15.0000	14
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	1000924	15.0000	14
46	n-Heptane	43	12.102	12.102	(0.975)	1435724	15.0000	13
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2442633	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	1185049	15.0000	15
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	873852	15.0000	13
51	Methyl methacrylate	69	13.159	13.159	(1.060)	727359	15.0000	13
53	1,4-Dioxane	88	13.271	13.276	(1.069)	319613	15.0000	15
54	Bromodichloromethane	83	13.479	13.479	(1.086)	1764940	15.0000	14
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	1352374	15.0000	14
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	1288082	15.0000	12
58	Toluene	92	14.525	14.525	(0.889)	1753871	15.0000	15
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	1289654	15.0000	13
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	807727	15.0000	15
61	Tetrachloroethene	166	15.245	15.245	(0.933)	1427981	15.0000	17
63	Dibromochloromethane	129	15.608	15.608	(0.955)	1650585	15.0000	16
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	1536172	15.0000	16
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	1945696	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	2314714	15.0000	16
68	Ethylbenzene	91	16.436	16.435	(1.006)	3508764	15.0000	15
69	Xylene (m,p)	106	16.574	16.574	(1.014)	2856445	30.0000	30
71	Xylene (o)	106	17.065	17.065	(1.044)	1389413	15.0000	15
72	Styrene	104	17.087	17.086	(1.046)	2259153	15.0000	16
73	Bromoform	173	17.375	17.375	(1.063)	1486095	15.0000	16
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	2038233	15.0000	15
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	4157030	15.0000	16
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	3522537	15.0000	15
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	3437469	15.0000	16
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	3433049	15.0000	16
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	2334649	15.0000	16
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	2302417	15.0000	16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.211)	2198554	15.0000	16
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	1172674	15.0000	16
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	1014452	15.0000	16

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckq008.d	Date:	24-FEB-2012 14:13
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279073		
Lab Sample ID:	ic 279073		



Manual Integration Report

Data File: ckq008.d
Lab Sample ID: ic 279073
Inj. Date and Time: 24-FEB-2012 14:13
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

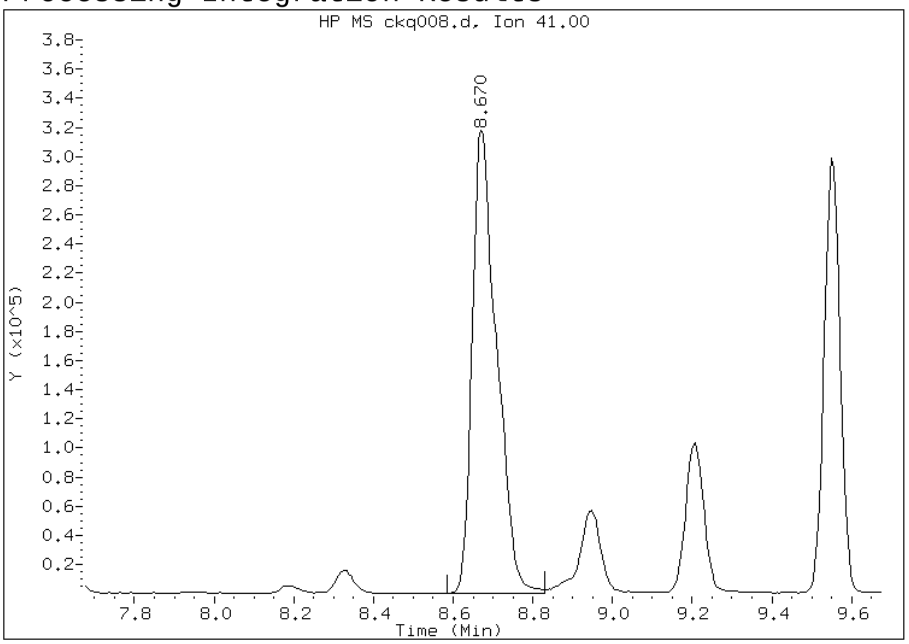
Processing Integration Results

RT: 8.67

Response: 1349098

Amount: 14.86

Conc: 14.86



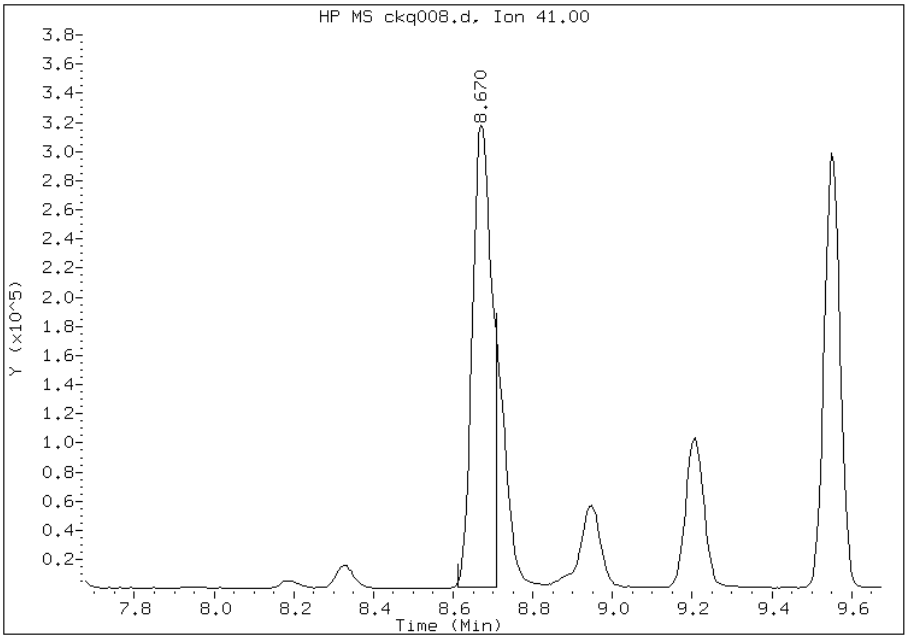
Manual Integration Results

RT: 8.67

Response: 1063578

Amount: 13.90

Conc: 13.90



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq009.d
Lab Smp Id: ic 279072
Inj Date : 24-FEB-2012 15:03
Operator : wrd Inst ID: C.i
Smp Info : ic 279072
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:03 Cal File: ckq009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	2418109	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.482)	2738934	20.0000	18
5 Chloromethane	50	5.505	5.511	(0.496)	828391	20.0000	18
7 Vinyl chloride	62	5.762	5.767	(0.519)	984794	20.0000	18
8 1,3-Butadiene	54	5.836	5.842	(0.526)	748362	20.0000	18
9 Bromomethane	94	6.498	6.503	(0.586)	890727	20.0000	18
10 Chloroethane	64	6.696	6.696	(0.604)	511219	20.0000	18
12 Vinyl bromide	106	7.048	7.053	(0.635)	986421	20.0000	19
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	2511634	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	1973220	20.0000	19
19 1,1-Dichloroethene	96	8.072	8.072	(0.728)	1007176	20.0000	19
20 Acetone	43	8.185	8.190	(0.738)	1190841	20.0000	17
21 Carbon disulfide	76	8.473	8.478	(0.764)	3057777	20.0000	19
22 Isopropanol	45	8.329	8.334	(0.751)	994940	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.670	8.675	(0.782)	1380279	20.0000	17(M)
25	Methylene chloride	49	8.884	8.889	(0.801)	1006926	20.0000	18
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	1431235	20.0000	20
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	2705044	20.0000	18
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	1489183	20.0000	18
30	n-Hexane	57	9.551	9.556	(0.861)	1744773	20.0000	18
31	1,1-Dichloroethane	63	9.924	9.924	(0.895)	1882835	20.0000	18
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	1144021	20.0000	19
36	Methyl Ethyl Ketone	72	10.736	10.736	(0.968)	475256	20.0000	17(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	451231	10.0000	
38	Tetrahydrofuran	42	11.125	11.130	(0.896)	941802	20.0000	18
39	Chloroform	83	11.147	11.146	(1.005)	2156842	20.0000	18
40	Cyclohexane	84	11.451	11.451	(0.922)	1644852	20.0000	18
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	2272479	20.0000	18
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	2272562	20.0000	18
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	5403236	20.0000	18
44	Benzene	78	11.931	11.926	(0.961)	3591240	20.0000	18
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	1355871	20.0000	18
46	n-Heptane	43	12.102	12.102	(0.975)	1911105	20.0000	17
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2598209	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	1581586	20.0000	19
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	1193624	20.0000	17
51	Methyl methacrylate	69	13.159	13.159	(1.060)	1084389	20.0000	19
53	1,4-Dioxane	88	13.271	13.276	(1.069)	464492	20.0000	20
54	Bromodichloromethane	83	13.479	13.479	(1.086)	2423703	20.0000	19
55	1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	1891739	20.0000	18
56	Methyl isobutyl ketone	43	14.242	14.237	(1.147)	1896428	20.0000	18
58	Toluene	92	14.525	14.525	(0.889)	2520112	20.0000	19
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	1837141	20.0000	18
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	1146525	20.0000	19
61	Tetrachloroethene	166	15.245	15.245	(0.933)	2032412	20.0000	21
63	Dibromochloromethane	129	15.608	15.608	(0.955)	2369689	20.0000	20
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	2194114	20.0000	20
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	2282351	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	3337996	20.0000	19
68	Ethylbenzene	91	16.435	16.435	(1.006)	5068587	20.0000	18
69	Xylene (m,p)	106	16.574	16.574	(1.014)	4198756	40.0000	38
71	Xylene (o)	106	17.065	17.065	(1.044)	2021726	20.0000	19
72	Styrene	104	17.087	17.086	(1.046)	3300211	20.0000	20
73	Bromoform	173	17.375	17.375	(1.063)	2185436	20.0000	21
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	2926653	20.0000	19
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	6138855	20.0000	20
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	5025320	20.0000	18
81	1,3,5-Trimethylbenzene	105	18.175	18.170	(1.112)	5079420	20.0000	20
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	5062174	20.0000	20
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	3414291	20.0000	20
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	3382031	20.0000	20

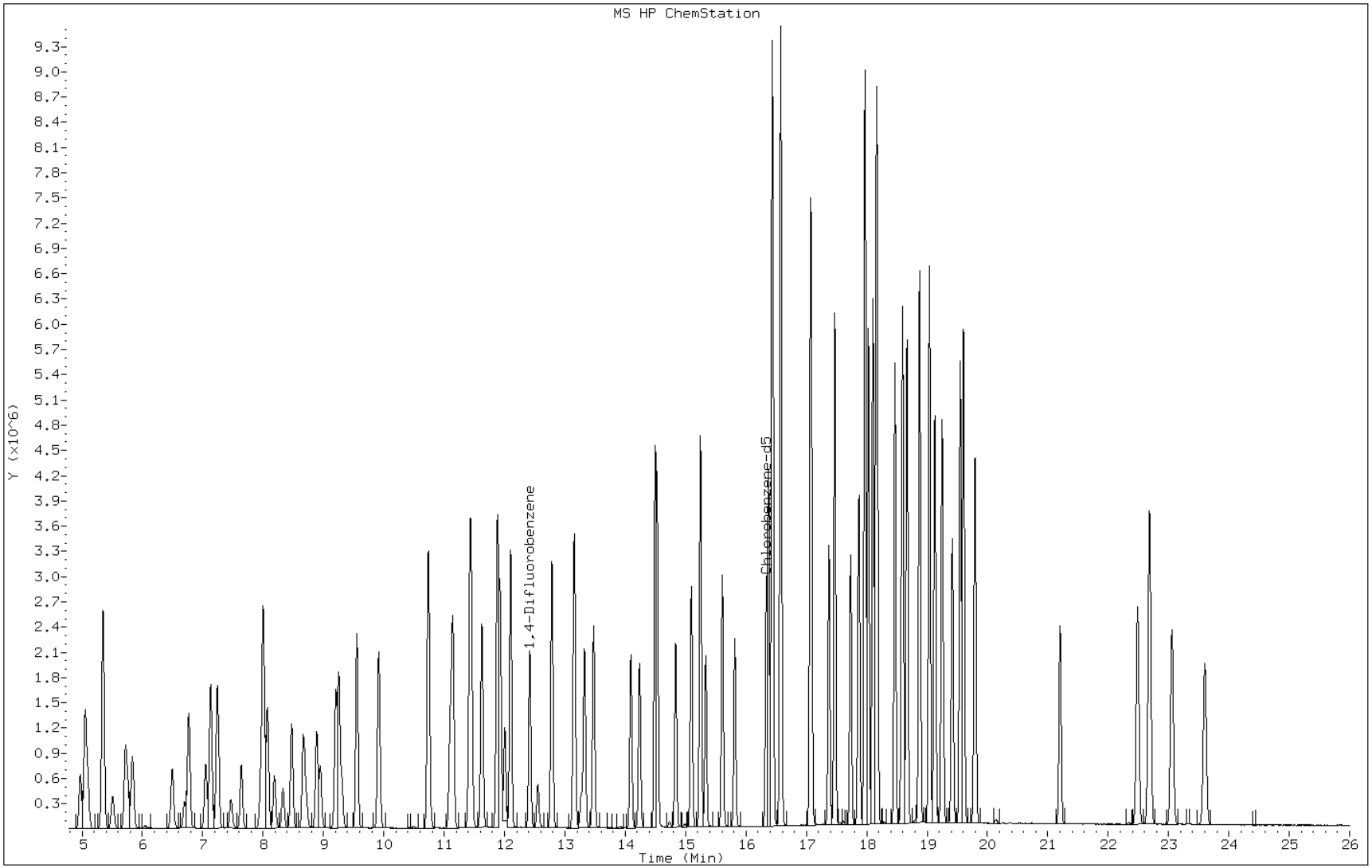
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	3227425	20.0000	20
94 1,2,4-Trichlorobenzene	180	22.487	22.487	(1.376)	1772104	20.0000	21
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	1536973	20.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: ckq009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 279072
Lab Sample ID: ic 279072

Date: 24-FEB-2012 15:03
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq009.d
Lab Sample ID: ic 279072
Inj. Date and Time: 24-FEB-2012 15:03
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

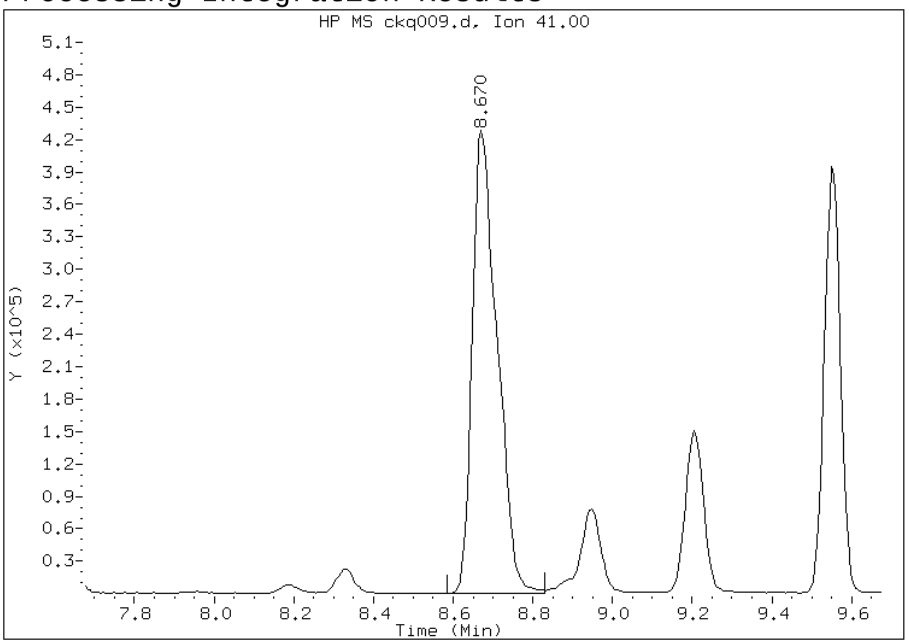
Processing Integration Results

RT: 8.67

Response: 1852882

Amount: 18.75

Conc: 18.75



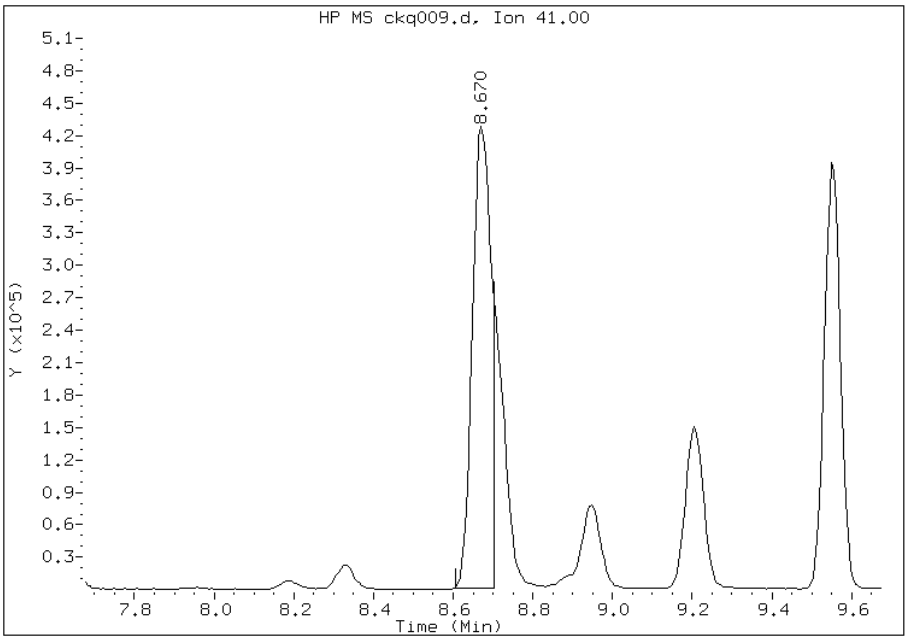
Manual Integration Results

RT: 8.67

Response: 1380279

Amount: 17.30

Conc: 17.30



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq010.d
Lab Smp Id: ic 275630
Inj Date : 24-FEB-2012 15:53
Operator : wrd Inst ID: C.i
Smp Info : ic 275630
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.047	5.057	(0.455)	4858897	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.481)	5514119	40.0000	33
5 Chloromethane	50	5.500	5.511	(0.496)	1675343	40.0000	33
7 Vinyl chloride	62	5.751	5.767	(0.518)	1987300	40.0000	33
8 1,3-Butadiene	54	5.831	5.842	(0.526)	1521418	40.0000	34
9 Bromomethane	94	6.488	6.503	(0.585)	1866873	40.0000	35
10 Chloroethane	64	6.690	6.696	(0.603)	1024082	40.0000	34
12 Vinyl bromide	106	7.043	7.053	(0.635)	2085288	40.0000	37
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	5204334	40.0000	35
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.998	(0.720)	4085797	40.0000	36
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	2129610	40.0000	36
20 Acetone	43	8.179	8.190	(0.737)	1958274	40.0000	28
21 Carbon disulfide	76	8.468	8.478	(0.763)	6312851	40.0000	36
22 Isopropanol	45	8.329	8.334	(0.751)	1808248	40.0000	34

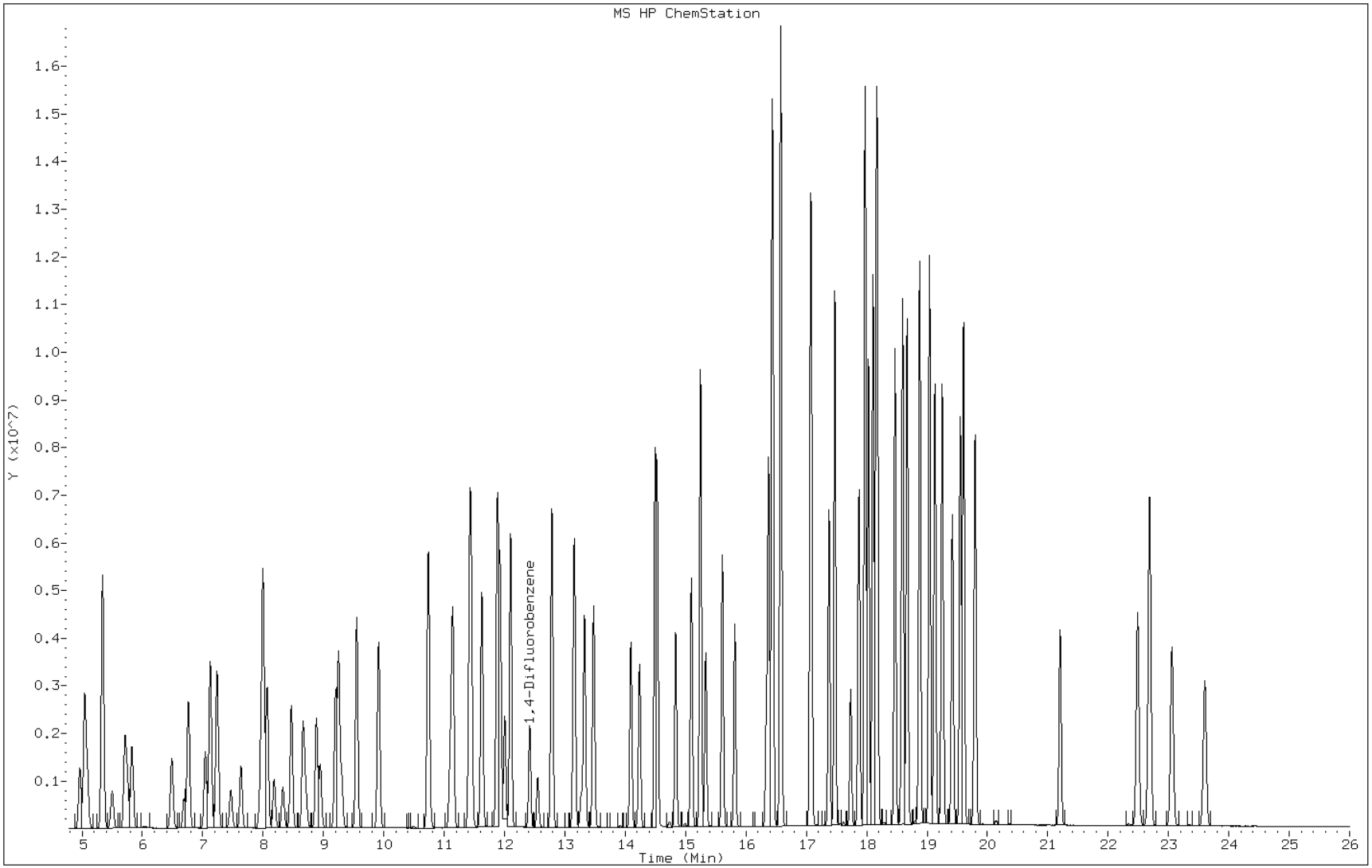
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.665	8.675	(0.781)	2736582	40.0000	32(M)
25	Methylene chloride	49	8.884	8.889	(0.801)	2012967	40.0000	33
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	2672511	40.0000	35
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	4822559	40.0000	30
28	1,2-Dichloroethene (trans)	61	9.252	9.263	(0.834)	2980481	40.0000	33
30	n-Hexane	57	9.551	9.556	(0.861)	3461046	40.0000	33
31	1,1-Dichloroethane	63	9.919	9.924	(0.894)	3737477	40.0000	33
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	2361518	40.0000	36
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	781125	40.0000	27(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	487632	10.0000	
38	Tetrahydrofuran	42	11.120	11.130	(0.896)	1559926	40.0000	31
39	Chloroform	83	11.147	11.146	(1.005)	4379959	40.0000	34
40	Cyclohexane	84	11.451	11.451	(0.922)	3302289	40.0000	36
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	4629609	40.0000	37
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	4755235	40.0000	39
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	10490708	40.0000	34
44	Benzene	78	11.926	11.926	(0.960)	7276659	40.0000	36
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	2709669	40.0000	36
46	n-Heptane	43	12.102	12.102	(0.975)	3602544	40.0000	32
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2642118	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	3333391	40.0000	39
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	2211860	40.0000	32
51	Methyl methacrylate	69	13.159	13.159	(1.060)	1846210	40.0000	33
53	1,4-Dioxane	88	13.271	13.276	(1.069)	783059	40.0000	34
54	Bromodichloromethane	83	13.479	13.479	(1.086)	4786521	40.0000	37
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	3639100	40.0000	35
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	3277959	40.0000	31
58	Toluene	92	14.525	14.525	(0.889)	4750102	40.0000	42(A)
59	1,3-Dichloropropene (trans)	75	14.840	14.834	(1.195)	3484088	40.0000	35
60	1,1,2-Trichloroethane	83	15.096	15.090	(0.924)	2121180	40.0000	40(A)
61	Tetrachloroethene	166	15.245	15.245	(0.933)	4399736	40.0000	52(A)
63	Dibromochloromethane	129	15.608	15.608	(0.955)	4705318	40.0000	47(A)
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	4201543	40.0000	44(A)
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	1894883	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	6497191	40.0000	44(A)
68	Ethylbenzene	91	16.436	16.435	(1.006)	9085457	40.0000	39
69	Xylene (m,p)	106	16.574	16.574	(1.014)	7826064	80.0000	85(A)
71	Xylene (o)	106	17.071	17.065	(1.045)	3767863	40.0000	42(A)
72	Styrene	104	17.087	17.086	(1.046)	6248765	40.0000	45(A)
73	Bromoform	173	17.375	17.375	(1.063)	4542557	40.0000	51(A)
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	5312321	40.0000	40(A)
79	4-Ethyltoluene	105	18.106	18.100	(1.108)	11582927	40.0000	45(A)
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	9124504	40.0000	40
81	1,3,5-Trimethylbenzene	105	18.175	18.170	(1.112)	9452592	40.0000	44(A)
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	9464698	40.0000	45(A)
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	6827406	40.0000	48(A)
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	6780270	40.0000	48(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	6316851	40.0000	47(A)
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	3122632	40.0000	45(A)
95 1,3-Hexachlorobutadiene	225	22.690	22.685	(1.389)	2951529	40.0000	48(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq010.d	Date:	24-FEB-2012 15:53
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275630		
Lab Sample ID:	ic 275630		



Manual Integration Report

Data File: ckq010.d
Lab Sample ID: ic 275630
Inj. Date and Time: 24-FEB-2012 15:53
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

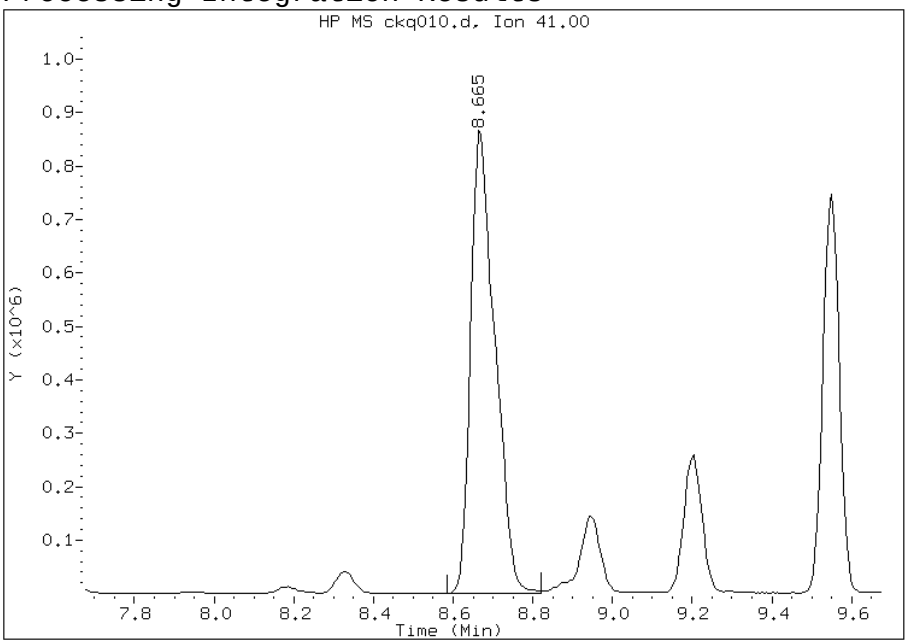
Processing Integration Results

RT: 8.66

Response: 3657850

Amount: 41.03

Conc: 41.03



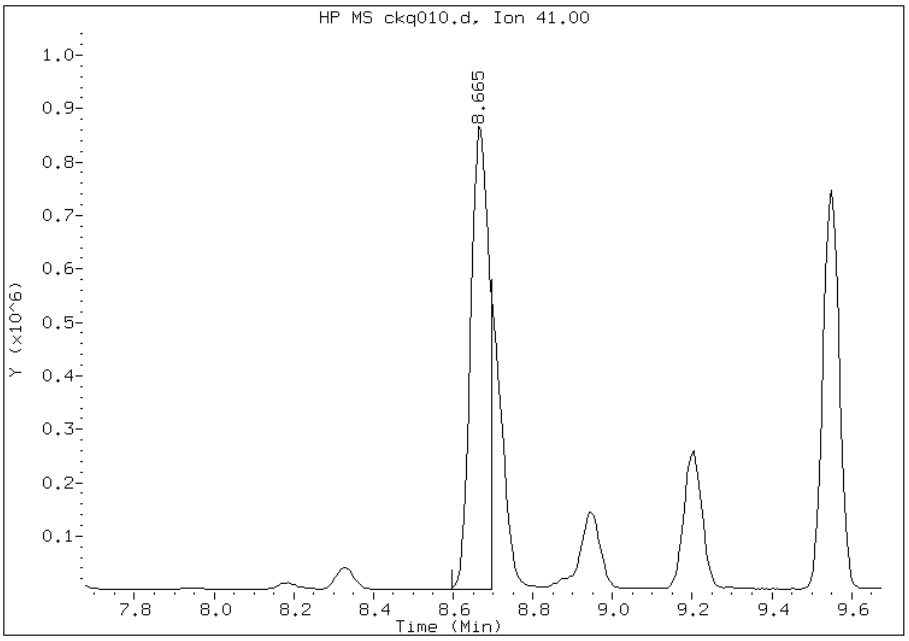
Manual Integration Results

RT: 8.66

Response: 2736582

Amount: 31.87

Conc: 31.87



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-34489/4	ic 279316	ggh004.d
Level 2	IC 200-34489/6	ic 279313	ggh006.d
Level 3	IC 200-34489/7	ic 275709	ggh007.d
Level 4	ICIS 200-34489/8	icis 291253	ggh008.d
Level 5	IC 200-34489/9	ic 279073	ggh009.d
Level 6	IC 200-34489/10	ic 279072	ggh010.d
Level 7	IC 200-34489/11	ic 275630	ggh011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 3.7434	4.9047 3.6044	4.5733	4.1701	3.6219	Ave		4.1030				13.3		30.0			
1,2-Dichlorotetrafluoroethane	4.6183 3.5845	4.5549 3.3873	4.4509	4.0199	3.4937	Ave		4.0156				13.2		30.0			
Chloromethane	+++++ 0.8361	1.3337 0.8086	1.0929	0.9645	0.8205	Ave		0.9760				21.2		30.0			
Vinyl chloride	1.3208 1.0394	1.3174 0.9965	1.3021	1.1525	1.0030	Ave		1.1617				13.0		30.0			
1,3-Butadiene	0.8666 0.7002	0.8879 0.6735	0.8673	0.7755	0.6750	Ave		0.7780				12.4		30.0			
Bromomethane	1.4530 1.1569	1.3457 1.1321	1.3606	1.2723	1.1132	Ave		1.2620				10.4		30.0			
Chloroethane	+++++ 0.4578	0.6393 0.4442	0.5565	0.5054	0.4343	Ave		0.5062				15.7		30.0			
Vinyl bromide	1.2667 1.2142	1.3023 1.1899	1.3313	1.2704	1.1461	Ave		1.2458				5.2		30.0			
Trichlorofluoromethane	4.1181 3.6066	4.2599 3.5277	4.1945	3.8689	3.4271	Ave		3.8576				8.9		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5578 2.2628	2.5427 2.1700	2.5378	2.4268	2.1541	Ave		2.3789				7.6		30.0			
1,1-Dichloroethene	1.0758 0.9966	1.0684 0.9671	1.0749	1.0556	0.9435	Ave		1.0260				5.4		30.0			
Acetone	+++++ 1.0653	+++++ 0.9319	1.6109	1.2701	1.0607	Ave		1.1878				22.4		30.0			
Carbon disulfide	+++++ 2.8910	3.4214 2.8068	3.3354	3.0826	2.7659	Ave		3.0505				9.1		30.0			
Isopropanol	+++++ 0.8362	+++++ 0.7074	0.9371	0.9411	0.8129	Ave		0.8470				11.5		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	1.1396 0.8788	1.2532 0.8158	1.1177	0.9132	0.8552	Ave		0.9962				17.1		30.0			
Methylene Chloride	+++++ 0.8709	1.2082 0.8279	1.0953	0.9723	0.8451	Ave		0.9700				15.8		30.0			
tert-Butyl alcohol	+++++ 1.3986	+++++ 1.2173	1.5271	1.5752	1.3173	Ave		1.4071				10.5		30.0			
1,2-Dichloroethene, trans-	1.8030 1.3509	1.6384 1.2499	1.6422	1.5075	1.2963	Ave		1.4983				13.8		30.0			
Methyl tert-butyl ether	2.9730 2.5178	2.7058 2.2510	2.9356	2.5924	2.4202	Ave		2.6280				10.0		30.0			
n-Hexane	1.3935 1.1608	1.4444 1.0828	1.3614	1.2735	1.1163	Ave		1.2618				11.4		30.0			
1,4-Dioxane	+++++ 0.0907	+++++ 0.0716	0.0832	0.1046	0.0838	Ave		0.0868				13.9		30.0			
1,1-Dichloroethane	2.0556 1.5664	1.9162 1.4447	1.8817	1.6810	1.5052	Ave		1.7215				13.5		30.0			
1,2-Dichloroethene, cis-	1.1487 0.9832	1.0853 0.8958	1.1152	1.0235	0.9432	Ave		1.0278				9.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3172	0.6708 0.2734	0.3763	0.3297	0.3145	Ave		0.3803				38.4	*	30.0			
Chloroform	2.6266 2.0909	2.4003 1.9387	2.4569	2.1933	2.0165	Ave		2.2462				11.3		30.0			
Tetrahydrofuran	+++++ 0.1624	+++++ 0.1373	0.1845	0.1803	0.1492	Ave		0.1627				12.3		30.0			
1,1,1-Trichloroethane	0.8026 0.7289	0.8671 0.6350	0.7759	0.8272	0.6731	Ave		0.7585				11.1		30.0			
Cyclohexane	0.3583 0.3195	0.3650 0.2770	0.3402	0.3689	0.2923	Ave		0.3316				11.0		30.0			
Carbon tetrachloride	0.8737 0.8523	0.9351 0.7647	0.8740	0.9567	0.7834	Ave		0.8628				8.2		30.0			
2,2,4-Trimethylpentane	1.0986 0.9489	1.4063 0.8146	1.0720	1.0879	0.8843	Ave		1.0447				18.5		30.0			
Benzene	0.7538 0.6258	0.7809 0.5547	0.6750	0.6794	0.5721	Ave		0.6631				12.9		30.0			
1,2-Dichloroethane	0.3828 0.3170	0.4294 0.2755	0.3643	0.3542	0.2940	Ave		0.3453				15.5		30.0			
n-Heptane	0.3783 0.2844	0.4105 0.2513	0.3336	0.3270	0.2664	Ave		0.3216				18.2		30.0			
Trichloroethene	0.3680 0.2980	0.4122 0.2574	0.3505	0.3472	0.2834	Ave		0.3310				16.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2489 0.2018	0.2379 0.1796	0.2174	0.2195	0.1854	Ave		0.2129				12.1		30.0			
Methyl methacrylate	+++++ 0.1824	0.2117 0.1598	0.1794	0.1866	0.1643	Ave		0.1807				10.2		30.0			
Bromodichloromethane	0.6393 0.5360	0.6296 0.4807	0.5869	0.5843	0.4866	Ave		0.5633				11.4		30.0			
1,3-Dichloropropene, cis-	0.3713 0.2957	0.3473 0.2592	0.3226	0.3199	0.2665	Ave		0.3118				13.1		30.0			
Methyl isobutyl ketone	+++++ 0.3112	0.4232 0.2655	0.3384	0.3513	0.2832	Ave		0.3288				17.2		30.0			
Toluene	0.4781 0.4432	0.6194 0.3917	0.4468	0.4975	0.4110	Ave		0.4697				16.0		30.0			
1,3-Dichloropropene, trans-	0.3395 0.3062	0.3715 0.2699	0.3244	0.3279	0.2729	Ave		0.3160				11.5		30.0			
1,1,2-Trichloroethane	0.2514 0.2183	0.2882 0.1946	0.2308	0.2526	0.2007	Ave		0.2338				14.1		30.0			
Tetrachloroethene	0.5657 0.5139	0.6181 0.4778	0.5075	0.5656	0.4734	Ave		0.5317				10.0		30.0			
Dibromochloromethane	0.6464 0.6389	0.7308 0.5786	0.6222	0.7109	0.5794	Ave		0.6439				9.2		30.0			
1,2-Dibromoethane	0.4796 0.4196	0.5312 0.3674	0.4492	0.4821	0.3846	Ave		0.4448				13.1		30.0			
Chlorobenzene	0.6874 0.5926	0.7156 0.5312	0.5945	0.6650	0.5384	Ave		0.6178				11.7		30.0			
Ethylbenzene	1.0002 0.9834	1.1157 0.8628	0.9640	1.0822	0.8991	Ave		0.9868				9.2		30.0			
m-Xylene & p-Xylene	0.3728 0.4002	0.4268 0.3498	0.3802	0.4371	0.3670	Ave		0.3906				8.2		30.0			
o-Xylene	0.4339 0.4180	0.4397 0.3729	0.4046	0.4531	0.3871	Ave		0.4156				7.0		30.0			
Styrene	0.4436 0.5666	0.5368 0.5092	0.5172	0.6130	0.5122	Ave		0.5284				10.0		30.0			
Bromoform	0.5587 0.6735	0.6452 0.6256	0.5973	0.7048	0.5994	Ave		0.6292				7.9		30.0			
1,1,2,2-Tetrachloroethane	0.6274 0.5743	0.7096 0.4990	0.5943	0.6579	0.5373	Ave		0.6000				12.0		30.0			
4-Ethyltoluene	0.8806 1.1542	1.0456 1.0171	1.0730	1.2329	1.0544	Ave		1.0654				10.4		30.0			
2-Chlorotoluene	1.0994 1.0603	1.2343 0.9382	1.0647	1.1809	0.9830	Ave		1.0801				9.6		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	0.8749 1.0249	1.0414 0.9108	1.0008	1.1272	0.9531	Ave		0.9905				8.6		30.0			
1,2,4-Trimethylbenzene	0.7835 0.9949	0.9633 0.8830	0.9532	1.0795	0.9215	Ave		0.9399				9.8		30.0			
1,3-Dichlorobenzene	0.5116 0.6443	0.6003 0.5950	0.5591	0.6671	0.5640	Ave		0.5916				8.9		30.0			
1,4-Dichlorobenzene	0.4727 0.5966	0.5767 0.5588	0.5062	0.6095	0.5169	Ave		0.5482				9.3		30.0			
1,2-Dichlorobenzene	0.5055 0.6425	0.6117 0.5887	0.5765	0.6875	0.5801	Ave		0.5989				9.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3093	0.2048 0.2423	0.2164	0.2925	0.2521	Ave		0.2529				16.3		30.0			
Hexachlorobutadiene	0.5157 0.5754	0.6584 0.4409	0.5779	0.6475	0.5461	Ave		0.5660				13.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34489/4	ggh004.d
Level 2	IC 200-34489/6	ggh006.d
Level 3	IC 200-34489/7	ggh007.d
Level 4	ICIS 200-34489/8	ggh008.d
Level 5	IC 200-34489/9	ggh009.d
Level 6	IC 200-34489/10	ggh010.d
Level 7	IC 200-34489/11	ggh011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	+++++ 6362078	171942 12430839	1624478	3235144	4888261	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	65738 6091910	159679 11682327	1581006	3118693	4715242	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	+++++ 1420994	46754 2788695	388220	748246	1107372	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	18800 1766433	46183 3436706	462528	894095	1353703	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	12335 1190021	31128 2322801	308066	601612	910978	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	20683 1966148	47177 3904415	483298	987078	1502495	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	+++++ 777980	22411 1531882	197688	392084	586174	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	18030 2063497	45653 4103658	472893	985579	1546890	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	58619 6129596	149338 12166367	1489905	3001544	4625390	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	36409 3845770	89138 7483875	901447	1882753	2907261	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	15313 1693709	37455 3335350	381826	818954	1273383	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	+++++ 1810554	+++++ 3213802	572195	985332	1431547	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	+++++ 4913377	119942 9680072	1184771	2391514	3732963	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	+++++ 1421197	+++++ 2439721	332879	730084	1097186	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	16222 1493480	43932 2813520	397033	708462	1154215	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	+++++ 1480102	42357 2855250	389062	754302	1140630	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	+++++ 2376924	+++++ 4198255	542422	1222058	1777836	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	25665 2295919	57437 4310832	583333	1169515	1749588	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	42319 4279057	94855 7763313	1042744	2011212	3266407	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19835 1972737	50635 3734385	483593	988025	1506686	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	+++++ 566474	+++++ 955049	116291	281028	433312	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	29260 2662193	67176 4982634	668387	1304149	2031452	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	16351 1670919	38047 3089444	396127	794024	1273057	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 539116	23515 942954	133679	255820	424521	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	37388 3553543	84145 6686175	872710	1701594	2721643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	+++++ 1014884	+++++ 1832176	257729	484430	771685	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	43834 4554000	107388 8475788	1084032	2222490	3481378	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	19569 1995856	45201 3696866	475314	991304	1511864	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	47716 5324378	115820 10206950	1221117	2570543	4051952	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	59999 5928425	174176 10873171	1497851	2922979	4574148	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	41172 3909348	96722 7403606	943185	1825535	2959081	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	20906 1980519	53182 3676995	508970	951608	1520494	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	20663 1776635	50838 3354574	466068	878604	1378025	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	20101 1861840	51046 3436173	489654	933003	1466076	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13595 1260893	29469 2397517	303762	589729	959156	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	+++++ 1139665	26220 2132874	250686	501311	849661	+++++ 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	34915 3348405	77975 6416592	819986	1569858	2516729	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	20280 1847388	43008 3459684	450767	859526	1378653	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1944335	52417 3544092	472864	943937	1464795	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	22683 2643017	64266 4960886	582949	1185381	1954439	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	18540 1912666	46016 3602856	453304	881085	1411495	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11927 1301761	29903 2465497	301131	601921	954396	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	26840 3064615	64129 6051578	662133	1347510	2250784	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	30669 3810030	75823 7328537	811861	1693873	2754935	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	22756 2502095	55116 4653673	586101	1148564	1828775	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	32612 3533819	74246 6728149	775722	1584399	2560107	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	47453 5864143	115758 10928420	1257791	2578454	4275008	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	35375 4772991	88557 8862263	992080	2082889	3490123	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	20586 2492855	45620 4722878	527862	1079440	1840591	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	21044 3378850	55697 6449682	674821	1460404	2435218	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	26506 4016466	66945 7924499	779356	1679320	2849906	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29769 3424665	73622 6320397	775360	1567460	2554948	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	41779 6882954	108484 12882833	1399981	2937388	5013412	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	52160 6322827	128070 11883618	1389188	2813472	4673937	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41510 6112022	108055 11536746	1305780	2685574	4531993	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	37175 5933237	99947 11183895	1243714	2572100	4381734	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	24272 3842430	62286 7536339	729547	1589435	2681593	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9749-1 Analy Batch No.: 34489

SDG No.: 200-9749-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	22425 3557839	59838 7078102	660516	1452133	2457832	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	23984 3831390	63468 7456667	752242	1638136	2758225	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1844526	21247 3068874	282351	696864	1198723	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	24466 3431505	68313 5584826	754068	1542708	2596715	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh004.d
Lab Smp Id: ic 279316 Client Smp ID: ic 279316
Inj Date : 02-MAR-2012 16:43
Operator : pad Inst ID: G.i
Smp Info : ic 279316
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 16:43 Cal File: ggh004.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

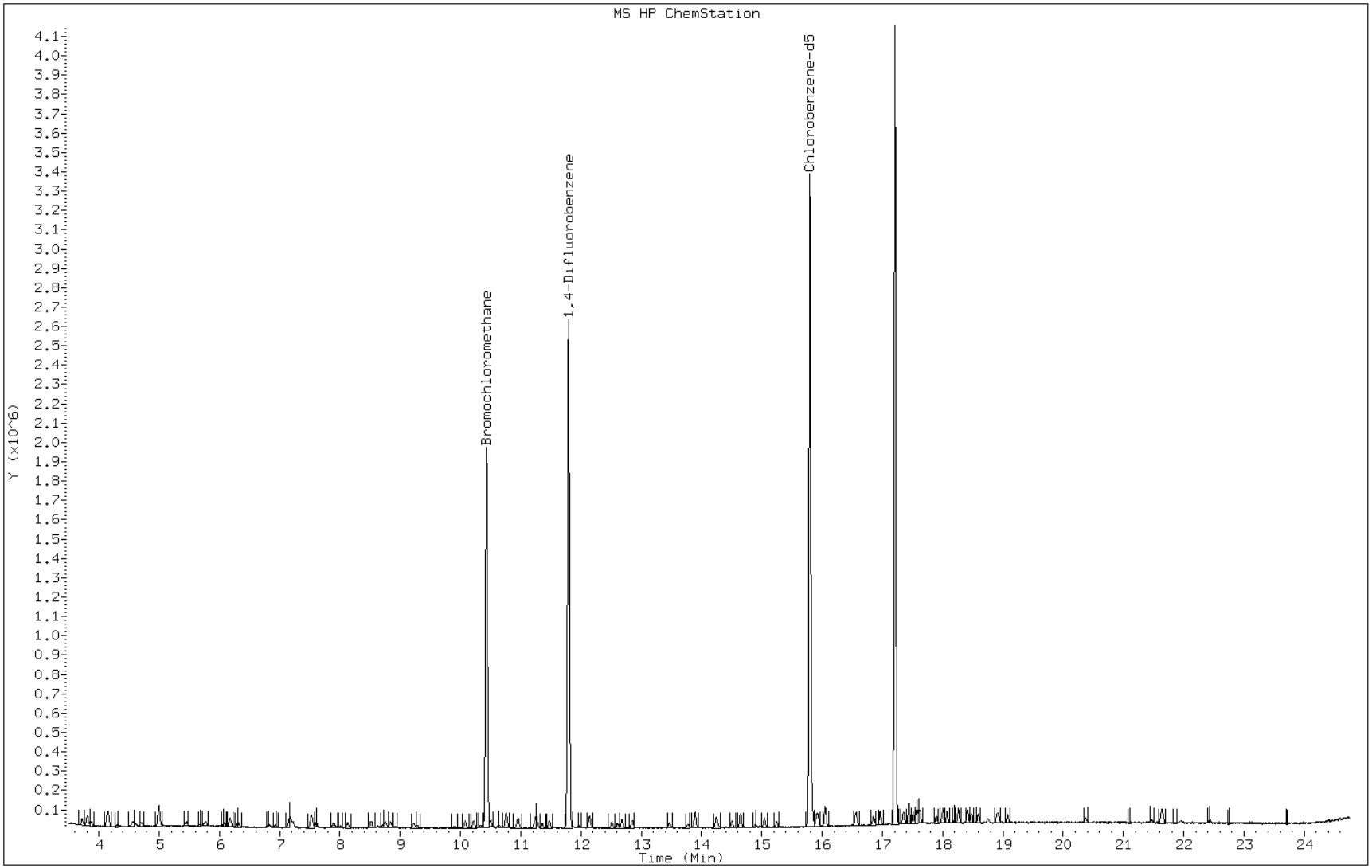
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	69656	0.20000	0.24(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	65738	0.20000	0.23
5 Chloromethane	50	4.311	4.311	(0.413)	18281	0.20000	0.26(a)
7 Vinyl chloride	62	4.611	4.605	(0.442)	18800	0.20000	0.23
8 1,3-Butadiene	54	4.707	4.696	(0.451)	12335	0.20000	0.22
9 Bromomethane	94	5.445	5.440	(0.522)	20683	0.20000	0.23
10 Chloroethane	64	5.692	5.681	(0.546)	8380	0.20000	0.23(a)
12 Vinyl bromide	106	6.082	6.071	(0.583)	18030	0.20000	0.20
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	58619	0.20000	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.173	7.168	(0.688)	36409	0.20000	0.22
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	15313	0.20000	0.21
20 Acetone	43	7.526	7.414	(0.722)	123654	0.20000	1.5(a)
21 Carbon disulfide	76	7.601	7.612	(0.729)	49721	0.20000	0.23(a)
23 Allyl chloride	41	7.890	7.890	(0.756)	16222	0.20000	0.23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.131	8.126	(0.779)	18207	0.20000	0.26(a)
27	Methyl tert-butyl ether	73	8.757	8.516	(0.839)	42319	0.20000	0.23
28	1,2-Dichloroethene (trans)	61	8.522	8.516	(0.817)	25665	0.20000	0.24
30	n-Hexane	57	8.837	8.837	(0.847)	19835	0.20000	0.22
31	1,1-Dichloroethane	63	9.212	9.222	(0.883)	29260	0.20000	0.24
34	1,2-Dichloroethene (cis)	96	10.084	10.084	(0.967)	16351	0.20000	0.22
36	Methyl Ethyl Ketone	72	10.217	10.100	(0.979)	10920	0.20000	0.40(aQ)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	711716	10.0000	
39	Chloroform	83	10.501	10.501	(1.007)	37388	0.20000	0.23
40	Cyclohexane	84	10.763	10.774	(0.913)	19569	0.20000	0.22
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	43834	0.20000	0.21
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	47716	0.20000	0.20
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	59999	0.20000	0.21
44	Benzene	78	11.266	11.271	(0.956)	41172	0.20000	0.23
45	1,2-Dichloroethane	62	11.368	11.362	(0.964)	20906	0.20000	0.22
46	n-Heptane	43	11.475	11.474	(0.973)	20663	0.20000	0.24
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2730805	10.0000	
49	Trichloroethene	95	12.149	12.143	(1.030)	20101	0.20000	0.22
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	13595	0.20000	0.23
51	Methyl methacrylate	69	12.609	12.566	(1.069)	9504	0.20000	0.19(a)
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	12.839	12.849	(1.089)	34915	0.20000	0.23
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	20280	0.20000	0.24
56	Methyl isobutyl ketone	43	13.780	13.673	(1.169)	18847	0.20000	0.21(a)
58	Toluene	92	13.903	13.898	(0.880)	22683	0.20000	0.20
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	18540	0.20000	0.21
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	11927	0.20000	0.22
61	Tetrachloroethene	166	14.647	14.647	(0.927)	26840	0.20000	0.21
63	Dibromochloromethane	129	15.043	15.043	(0.952)	30669	0.20000	0.20
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	22756	0.20000	0.22
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2372223	10.0000	
66	Chlorobenzene	112	15.835	15.834	(1.002)	32612	0.20000	0.22
68	Ethylbenzene	91	15.909	15.909	(1.007)	47453	0.20000	0.20
69	Xylene (m,p)	106	16.049	16.054	(1.016)	35375	0.40000	0.38(a)
71	Xylene (o)	106	16.551	16.557	(1.048)	20586	0.20000	0.21
72	Styrene	104	16.578	16.578	(1.049)	21044	0.20000	0.17(a)
73	Bromoform	173	16.851	16.856	(1.067)	26506	0.20000	0.18(a)
75	1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	29769	0.20000	0.21
79	4-Ethyltoluene	105	17.563	17.562	(1.112)	41779	0.20000	0.17(a)
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	52160	0.20000	0.20
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	41510	0.20000	0.18(a)
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	37175	0.20000	0.17(a)
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	24272	0.20000	0.17(a)
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	22425	0.20000	0.17(a)
92	1,2-Dichlorobenzene	146	19.076	19.082	(1.208)	23984	0.20000	0.17(a)
94	1,2,4-Trichlorobenzene	180	21.468	21.462	(1.359)	6459	0.20000	0.11(a)
95	1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	24466	0.20000	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh004.d	Date:	02-MAR-2012 16:43
Client ID:	ic 279316	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279316		
Lab Sample ID:	ic 279316		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh006.d
Lab Smp Id: ic 279313 Client Smp ID: ic 279313
Inj Date : 02-MAR-2012 18:22
Operator : pad Inst ID: G.i
Smp Info : ic 279313
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 18:22 Cal File: ggh006.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

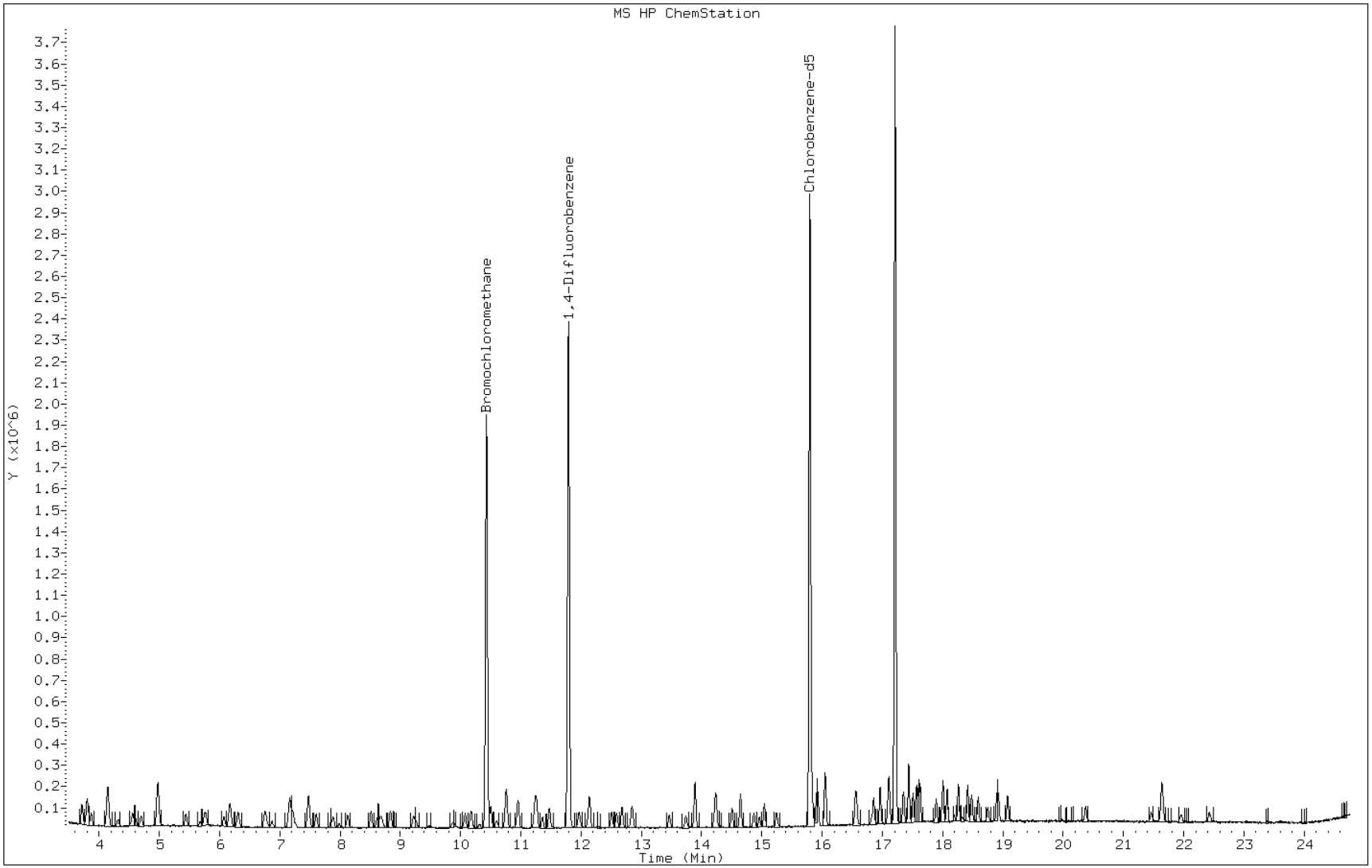
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	171942	0.50000	0.60
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.140	4.145	(0.397)	159679	0.50000	0.57
5 Chloromethane	50	4.317	4.311	(0.414)	46754	0.50000	0.68
7 Vinyl chloride	62	4.611	4.605	(0.442)	46183	0.50000	0.57
8 1,3-Butadiene	54	4.702	4.696	(0.451)	31128	0.50000	0.57
9 Bromomethane	94	5.440	5.440	(0.522)	47177	0.50000	0.53
10 Chloroethane	64	5.681	5.681	(0.545)	22411	0.50000	0.63
12 Vinyl bromide	106	6.077	6.071	(0.583)	45653	0.50000	0.52
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	149338	0.50000	0.55
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	89138	0.50000	0.53
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	37455	0.50000	0.52
20 Acetone	43	7.478	7.414	(0.717)	274771	0.50000	3.3(a)
21 Carbon disulfide	76	7.612	7.612	(0.730)	119942	0.50000	0.56
23 Allyl chloride	41	7.885	7.890	(0.756)	43932	0.50000	0.63

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.126	8.126	(0.779)	42357	0.50000	0.62
27	Methyl tert-butyl ether	73	8.671	8.516	(0.831)	94855	0.50000	0.51
28	1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	57437	0.50000	0.55
30	n-Hexane	57	8.842	8.837	(0.848)	50635	0.50000	0.57
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	67176	0.50000	0.56
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	38047	0.50000	0.53
36	Methyl Ethyl Ketone	72	10.164	10.100	(0.974)	23515	0.50000	0.88(Q)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	701134	10.0000	
39	Chloroform	83	10.501	10.501	(1.007)	84145	0.50000	0.53
40	Cyclohexane	84	10.768	10.774	(0.913)	45201	0.50000	0.55
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	107388	0.50000	0.57
42	Carbon tetrachloride	117	10.945	10.956	(0.928)	115820	0.50000	0.54
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	174176	0.50000	0.67
44	Benzene	78	11.266	11.271	(0.956)	96722	0.50000	0.59
45	1,2-Dichloroethane	62	11.362	11.362	(0.964)	53182	0.50000	0.62
46	n-Heptane	43	11.485	11.474	(0.974)	50838	0.50000	0.64
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2477056	10.0000	
49	Trichloroethene	95	12.143	12.143	(1.030)	51046	0.50000	0.62
50	1,2-Dichloropropane	63	12.507	12.512	(1.061)	29469	0.50000	0.56
51	Methyl methacrylate	69	12.598	12.566	(1.068)	26220	0.50000	0.59(Q)
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	12.849	12.849	(1.090)	77975	0.50000	0.56
55	1,3-Dichloropropene (cis)	75	13.465	13.470	(1.142)	43008	0.50000	0.56
56	Methyl isobutyl ketone	43	13.737	13.673	(1.165)	52417	0.50000	0.64
58	Toluene	92	13.898	13.898	(0.880)	64266	0.50000	0.66
59	1,3-Dichloropropene (trans)	75	14.235	14.240	(1.207)	46016	0.50000	0.59
60	1,1,2-Trichloroethane	83	14.502	14.508	(0.918)	29903	0.50000	0.62
61	Tetrachloroethene	166	14.652	14.647	(0.928)	64129	0.50000	0.58
63	Dibromochloromethane	129	15.043	15.043	(0.952)	75823	0.50000	0.57
64	1,2-Dibromoethane	107	15.241	15.246	(0.965)	55116	0.50000	0.60
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2075128	10.0000	
66	Chlorobenzene	112	15.835	15.834	(1.002)	74246	0.50000	0.58(Q)
68	Ethylbenzene	91	15.909	15.909	(1.007)	115758	0.50000	0.57
69	Xylene (m,p)	106	16.054	16.054	(1.016)	88557	1.00000	1.1
71	Xylene (o)	106	16.557	16.557	(1.048)	45620	0.50000	0.53
72	Styrene	104	16.573	16.578	(1.049)	55697	0.50000	0.51
73	Bromoform	173	16.856	16.856	(1.067)	66945	0.50000	0.51
75	1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	73622	0.50000	0.59
79	4-Ethyltoluene	105	17.557	17.562	(1.111)	108484	0.50000	0.49
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	128070	0.50000	0.57
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	108055	0.50000	0.53
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	99947	0.50000	0.51
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	62286	0.50000	0.51
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	59838	0.50000	0.53
92	1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	63468	0.50000	0.51
94	1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	21247	0.50000	0.40(a)
95	1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	68313	0.50000	0.58

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh006.d	Date:	02-MAR-2012 18:22
Client ID:	ic 279313	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279313		
Lab Sample ID:	ic 279313		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh007.d
Lab Smp Id: ic 275709 Client Smp ID: ic 275709
Inj Date : 02-MAR-2012 19:11
Operator : pad Inst ID: G.i
Smp Info : ic 275709
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 19:11 Cal File: ggh007.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	1624478	5.00000	5.6
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	1581006	5.00000	5.5
5 Chloromethane	50	4.316	4.311	(0.414)	388220	5.00000	5.6
7 Vinyl chloride	62	4.605	4.605	(0.441)	462528	5.00000	5.6
8 1,3-Butadiene	54	4.702	4.696	(0.451)	308066	5.00000	5.6
9 Bromomethane	94	5.440	5.440	(0.522)	483298	5.00000	5.4
10 Chloroethane	64	5.681	5.681	(0.545)	197688	5.00000	5.5
12 Vinyl bromide	106	6.071	6.071	(0.582)	472893	5.00000	5.3
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	1489905	5.00000	5.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.162	7.168	(0.687)	901447	5.00000	5.3
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	381826	5.00000	5.2
20 Acetone	43	7.430	7.414	(0.712)	572195	5.00000	6.8
21 Carbon disulfide	76	7.612	7.612	(0.730)	1184771	5.00000	5.5
22 Isopropanol	45	7.740	7.687	(0.742)	332879	5.00000	5.5

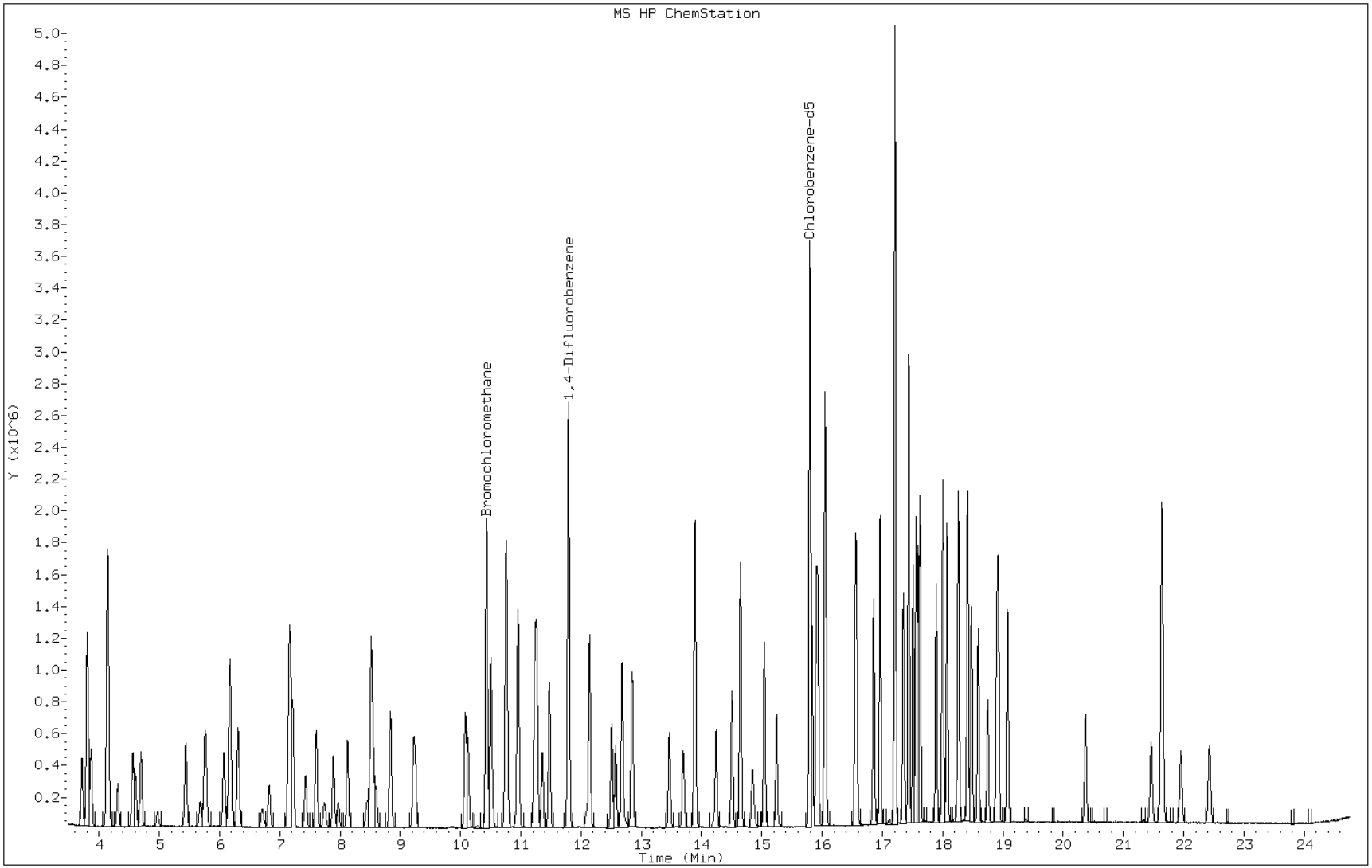
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	7.885	7.890	(0.756)	397033	5.00000	5.6
	25 Methylene chloride	49	8.125	8.126	(0.779)	389062	5.00000	5.6
	26 Tert-butyl alcohol	59	8.457	8.388	(0.811)	542422	5.00000	5.4
	27 Methyl tert-butyl ether	73	8.537	8.516	(0.818)	1042744	5.00000	5.6
	28 1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	583333	5.00000	5.5
	30 n-Hexane	57	8.837	8.837	(0.847)	483593	5.00000	5.4
	31 1,1-Dichloroethane	63	9.222	9.222	(0.884)	668387	5.00000	5.5
	34 1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	396127	5.00000	5.4
	36 Methyl Ethyl Ketone	72	10.110	10.100	(0.969)	133679	5.00000	4.9(Q)
*	37 Bromochloromethane	128	10.431	10.431	(1.000)	710416	10.0000	
	38 Tetrahydrofuran	42	10.517	10.485	(0.892)	257729	5.00000	5.7
	39 Chloroform	83	10.501	10.501	(1.007)	872710	5.00000	5.5
	40 Cyclohexane	84	10.768	10.774	(0.913)	475314	5.00000	5.1
	41 1,1,1-Trichloroethane	97	10.757	10.758	(0.912)	1084032	5.00000	5.1
	42 Carbon tetrachloride	117	10.950	10.956	(0.929)	1221117	5.00000	5.1
	43 2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	1497851	5.00000	5.1
	44 Benzene	78	11.266	11.271	(0.956)	943185	5.00000	5.1
	45 1,2-Dichloroethane	62	11.362	11.362	(0.964)	508970	5.00000	5.3
	46 n-Heptane	43	11.480	11.474	(0.974)	466068	5.00000	5.2
*	47 1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2794420	10.0000	
	49 Trichloroethene	95	12.143	12.143	(1.030)	489654	5.00000	5.3
	50 1,2-Dichloropropane	63	12.512	12.512	(1.061)	303762	5.00000	5.1
	51 Methyl methacrylate	69	12.576	12.566	(1.067)	250686	5.00000	5.0
	53 1,4-Dioxane	88	12.710	12.678	(1.078)	116291	5.00000	4.8(a)
	54 Bromodichloromethane	83	12.844	12.849	(1.089)	819986	5.00000	5.2
	55 1,3-Dichloropropene (cis)	75	13.464	13.470	(1.142)	450767	5.00000	5.2
	56 Methyl isobutyl ketone	43	13.694	13.673	(1.162)	472864	5.00000	5.1
	58 Toluene	92	13.892	13.898	(0.879)	582949	5.00000	4.8
	59 1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	453304	5.00000	5.1
	60 1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	301131	5.00000	4.9
	61 Tetrachloroethene	166	14.647	14.647	(0.927)	662133	5.00000	4.8
	63 Dibromochloromethane	129	15.043	15.043	(0.952)	811861	5.00000	4.8
	64 1,2-Dibromoethane	107	15.246	15.246	(0.965)	586101	5.00000	5.0
*	65 Chlorobenzene-d5	117	15.797	15.797	(1.000)	2609523	10.0000	
	66 Chlorobenzene	112	15.834	15.834	(1.002)	775722	5.00000	4.8
	68 Ethylbenzene	91	15.909	15.909	(1.007)	1257791	5.00000	4.9
	69 Xylene (m,p)	106	16.054	16.054	(1.016)	992080	10.0000	9.7
	71 Xylene (o)	106	16.551	16.557	(1.048)	527862	5.00000	4.9
	72 Styrene	104	16.578	16.578	(1.049)	674821	5.00000	4.9
	73 Bromoform	173	16.856	16.856	(1.067)	779356	5.00000	4.7
	75 1,1,2,2-Tetrachloroethane	83	17.348	17.354	(1.098)	775360	5.00000	5.0
	79 4-Ethyltoluene	105	17.557	17.562	(1.111)	1399981	5.00000	5.0
	80 2-Chlorotoluene	91	17.594	17.595	(1.114)	1389188	5.00000	4.9
	81 1,3,5-Trimethylbenzene	105	17.626	17.627	(1.116)	1305780	5.00000	5.1
	84 1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	1243714	5.00000	5.1
	87 1,3-Dichlorobenzene	146	18.482	18.483	(1.170)	729547	5.00000	4.7
	88 1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	660516	5.00000	4.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	752242	5.00000	4.8
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	282351	5.00000	4.3
95 1,3-Hexachlorobutadiene	225	21.639	21.639	(1.370)	754068	5.00000	5.1

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh007.d	Date:	02-MAR-2012 19:11
Client ID:	ic 275709	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275709		
Lab Sample ID:	ic 275709		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh008.d
Lab Smp Id: icis 291253 Client Smp ID: icis 291253
Inj Date : 02-MAR-2012 20:00
Operator : pad Inst ID: G.i
Smp Info : icis 291253
Misc Info : 200,1, icis
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 20:00 Cal File: ggh008.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

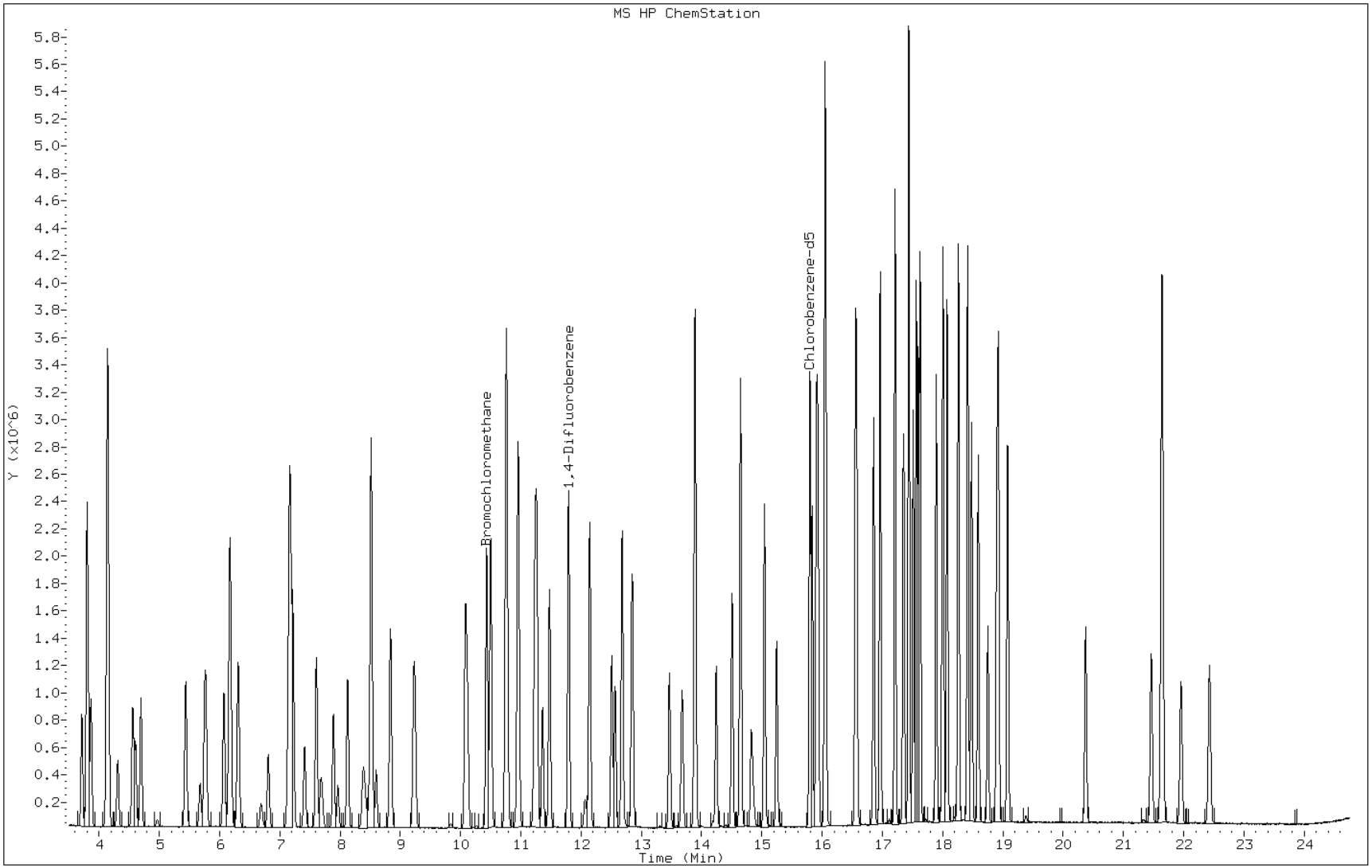
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	3235144	10.0000	9.2
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	3118693	10.0000	9.1
5 Chloromethane	50	4.311	4.311	(0.413)	748246	10.0000	8.5
7 Vinyl chloride	62	4.605	4.605	(0.442)	894095	10.0000	9.1
8 1,3-Butadiene	54	4.696	4.696	(0.450)	601612	10.0000	9.1
9 Bromomethane	94	5.440	5.440	(0.522)	987078	10.0000	9.4
10 Chloroethane	64	5.681	5.681	(0.545)	392084	10.0000	8.9
12 Vinyl bromide	106	6.071	6.071	(0.582)	985579	10.0000	9.8
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	3001544	10.0000	9.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	1882753	10.0000	9.6
19 1,1-Dichloroethene	96	7.221	7.221	(0.692)	818954	10.0000	9.9
20 Acetone	43	7.414	7.414	(0.711)	985332	10.0000	8.8
21 Carbon disulfide	76	7.612	7.612	(0.730)	2391514	10.0000	9.4
22 Isopropanol	45	7.687	7.687	(0.737)	730084	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.890	7.890	(0.756)	708462	10.0000	8.3
25	Methylene chloride	49	8.126	8.126	(0.779)	754302	10.0000	8.9
26	Tert-butyl alcohol	59	8.388	8.388	(0.804)	1222058	10.0000	10
27	Methyl tert-butyl ether	73	8.516	8.516	(0.816)	2011212	10.0000	9.3
28	1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	1169515	10.0000	9.1
30	n-Hexane	57	8.837	8.837	(0.847)	988025	10.0000	9.3
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	1304149	10.0000	8.9
34	1,2-Dichloroethene (cis)	96	10.084	10.084	(0.967)	794024	10.0000	9.4
36	Methyl Ethyl Ketone	72	10.100	10.100	(0.968)	255820	10.0000	7.2
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	775804	10.0000	
38	Tetrahydrofuran	42	10.485	10.485	(0.889)	484430	10.0000	9.9
39	Chloroform	83	10.501	10.501	(1.007)	1701594	10.0000	9.1
40	Cyclohexane	84	10.774	10.774	(0.914)	991304	10.0000	10
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	2222490	10.0000	10
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	2570543	10.0000	11
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	2922979	10.0000	9.3
44	Benzene	78	11.271	11.271	(0.956)	1825535	10.0000	9.4
45	1,2-Dichloroethane	62	11.362	11.362	(0.964)	951608	10.0000	9.3
46	n-Heptane	43	11.474	11.474	(0.973)	878604	10.0000	9.0
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2686891	10.0000	
49	Trichloroethene	95	12.143	12.143	(1.030)	933003	10.0000	9.4
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	589729	10.0000	9.5
51	Methyl methacrylate	69	12.566	12.566	(1.066)	501311	10.0000	9.7
53	1,4-Dioxane	88	12.678	12.678	(1.075)	281028	10.0000	11
54	Bromodichloromethane	83	12.849	12.849	(1.090)	1569858	10.0000	9.6
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	859526	10.0000	9.4
56	Methyl isobutyl ketone	43	13.673	13.673	(1.160)	943937	10.0000	9.5
58	Toluene	92	13.898	13.898	(0.880)	1185381	10.0000	9.7
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	881085	10.0000	9.6
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	601921	10.0000	9.9
61	Tetrachloroethene	166	14.647	14.647	(0.927)	1347510	10.0000	10
63	Dibromochloromethane	129	15.043	15.043	(0.952)	1693873	10.0000	10
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	1148564	10.0000	9.9
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2382572	10.0000	
66	Chlorobenzene	112	15.834	15.834	(1.002)	1584399	10.0000	10
68	Ethylbenzene	91	15.909	15.909	(1.007)	2578454	10.0000	10
69	Xylene (m,p)	106	16.054	16.054	(1.016)	2082889	20.0000	22
71	Xylene (o)	106	16.557	16.557	(1.048)	1079440	10.0000	10
72	Styrene	104	16.578	16.578	(1.049)	1460404	10.0000	12
73	Bromoform	173	16.856	16.856	(1.067)	1679320	10.0000	11
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	1567460	10.0000	10
79	4-Ethyltoluene	105	17.562	17.562	(1.112)	2937388	10.0000	12
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	2813472	10.0000	10
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	2685574	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	2572100	10.0000	11
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	1589435	10.0000	11
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	1452133	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	1638136	10.0000	12
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	696864	10.0000	12
95 1,3-Hexachlorobutadiene	225	21.639	21.639	(1.370)	1542708	10.0000	11

Data File:	ggh008.d	Date:	02-MAR-2012 20:00
Client ID:	icis 291253	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 291253		
Lab Sample ID:	icis 291253		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh009.d
Lab Smp Id: ic 279073 Client Smp ID: ic 279073
Inj Date : 02-MAR-2012 20:48
Operator : pad Inst ID: G.i
Smp Info : ic 279073
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 20:48 Cal File: ggh009.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	4888261	15.0000	13
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.396)	4715242	15.0000	12
5 Chloromethane	50	4.306	4.311	(0.413)	1107372	15.0000	12
7 Vinyl chloride	62	4.595	4.605	(0.440)	1353703	15.0000	12
8 1,3-Butadiene	54	4.691	4.696	(0.450)	910978	15.0000	12
9 Bromomethane	94	5.435	5.440	(0.521)	1502495	15.0000	13
10 Chloroethane	64	5.676	5.681	(0.544)	586174	15.0000	12
12 Vinyl bromide	106	6.071	6.071	(0.582)	1546890	15.0000	14
13 Trichlorofluoromethane	101	6.168	6.173	(0.591)	4625390	15.0000	13
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.163	7.168	(0.687)	2907261	15.0000	13
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	1273383	15.0000	14
20 Acetone	43	7.398	7.414	(0.709)	1431547	15.0000	12
21 Carbon disulfide	76	7.607	7.612	(0.729)	3732963	15.0000	13
22 Isopropanol	45	7.655	7.687	(0.734)	1097186	15.0000	14

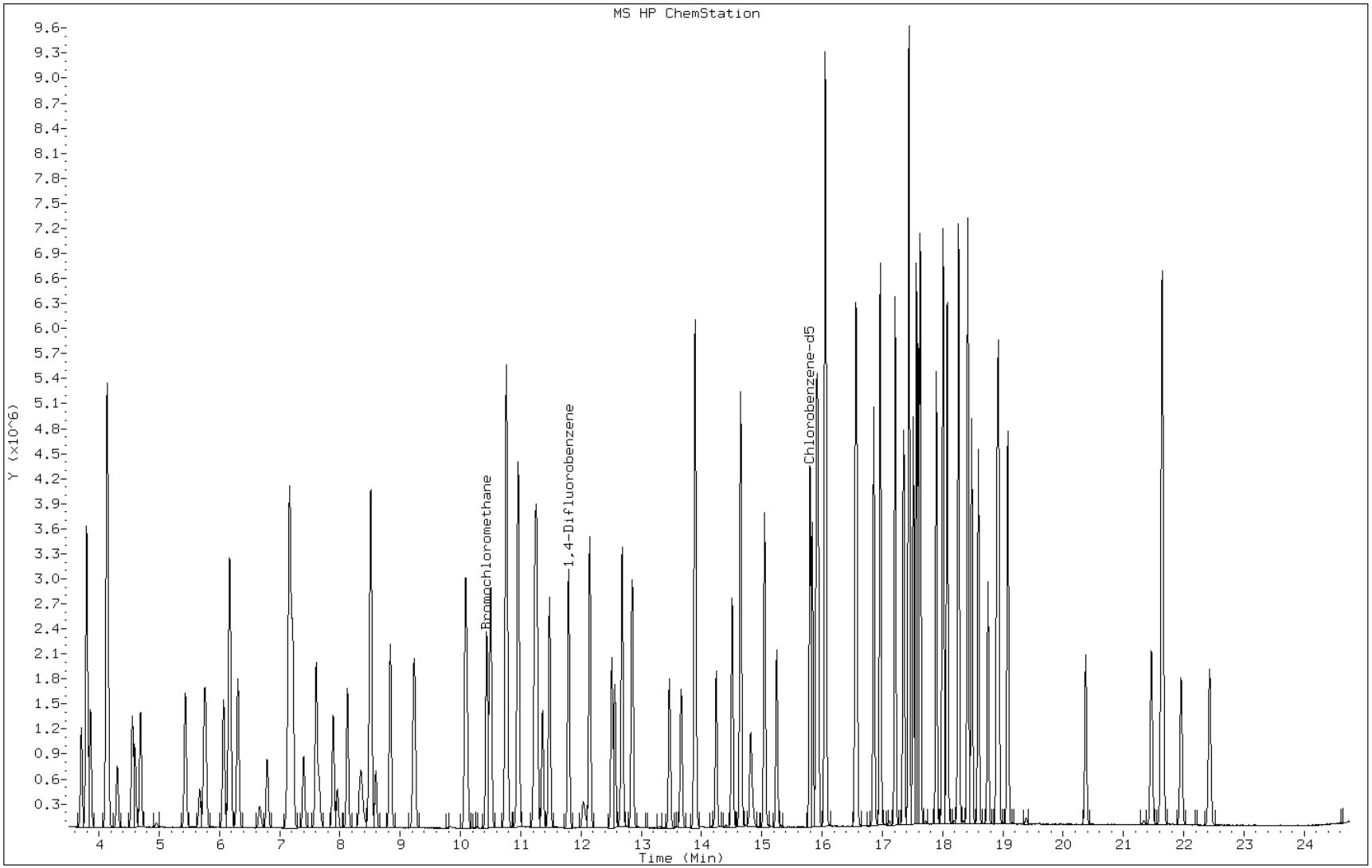
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.885	7.890	(0.756)	1154215	15.0000	12
25	Methylene chloride	49	8.126	8.126	(0.779)	1140630	15.0000	12
26	Tert-butyl alcohol	59	8.345	8.388	(0.800)	1777836	15.0000	13
27	Methyl tert-butyl ether	73	8.500	8.516	(0.815)	3266407	15.0000	13
28	1,2-Dichloroethene (trans)	61	8.511	8.516	(0.816)	1749588	15.0000	12
30	n-Hexane	57	8.837	8.837	(0.847)	1506686	15.0000	13
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	2031452	15.0000	12
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	1273057	15.0000	13
36	Methyl Ethyl Ketone	72	10.094	10.100	(0.968)	424521	15.0000	11(Q)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	899771	10.0000	
38	Tetrahydrofuran	42	10.474	10.485	(0.888)	771685	15.0000	13
39	Chloroform	83	10.501	10.501	(1.007)	2721643	15.0000	13
40	Cyclohexane	84	10.768	10.774	(0.913)	1511864	15.0000	13
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	3481378	15.0000	13
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	4051952	15.0000	13
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	4574148	15.0000	12
44	Benzene	78	11.271	11.271	(0.956)	2959081	15.0000	12
45	1,2-Dichloroethane	62	11.362	11.362	(0.963)	1520494	15.0000	12
46	n-Heptane	43	11.480	11.474	(0.973)	1378025	15.0000	12
* 47	1,4-Difluorobenzene	114	11.796	11.790	(1.000)	3448339	10.0000	
49	Trichloroethene	95	12.149	12.143	(1.030)	1466076	15.0000	12
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	959156	15.0000	13
51	Methyl methacrylate	69	12.561	12.566	(1.065)	849661	15.0000	13
53	1,4-Dioxane	88	12.662	12.678	(1.073)	433312	15.0000	14
54	Bromodichloromethane	83	12.849	12.849	(1.089)	2516729	15.0000	12
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	1378653	15.0000	12
56	Methyl isobutyl ketone	43	13.663	13.673	(1.158)	1464795	15.0000	12
58	Toluene	92	13.898	13.898	(0.880)	1954439	15.0000	13
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.207)	1411495	15.0000	13
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	954396	15.0000	12
61	Tetrachloroethene	166	14.652	14.647	(0.928)	2250784	15.0000	13
63	Dibromochloromethane	129	15.043	15.043	(0.952)	2754935	15.0000	13
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	1828775	15.0000	12
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	3169875	10.0000	
66	Chlorobenzene	112	15.840	15.834	(1.003)	2560107	15.0000	13
68	Ethylbenzene	91	15.909	15.909	(1.007)	4275008	15.0000	13
69	Xylene (m,p)	106	16.054	16.054	(1.016)	3490123	30.0000	28
71	Xylene (o)	106	16.557	16.557	(1.048)	1840591	15.0000	14
72	Styrene	104	16.578	16.578	(1.049)	2435218	15.0000	15
73	Bromoform	173	16.856	16.856	(1.067)	2849906	15.0000	14
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	2554948	15.0000	13
79	4-Ethyltoluene	105	17.563	17.562	(1.112)	5013412	15.0000	15
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	4673937	15.0000	13
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	4531993	15.0000	14
84	1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	4381734	15.0000	15
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	2681593	15.0000	15
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	2457832	15.0000	14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	2758225	15.0000	15
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	1198723	15.0000	16
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	2596715	15.0000	14

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ggh009.d	Date:	02-MAR-2012 20:48
Client ID:	ic 279073	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279073		
Lab Sample ID:	ic 279073		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh010.d
Lab Smp Id: ic 279072 Client Smp ID: ic 279072
Inj Date : 02-MAR-2012 21:37
Operator : pad Inst ID: G.i
Smp Info : ic 279072
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 21:37 Cal File: ggh010.d
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

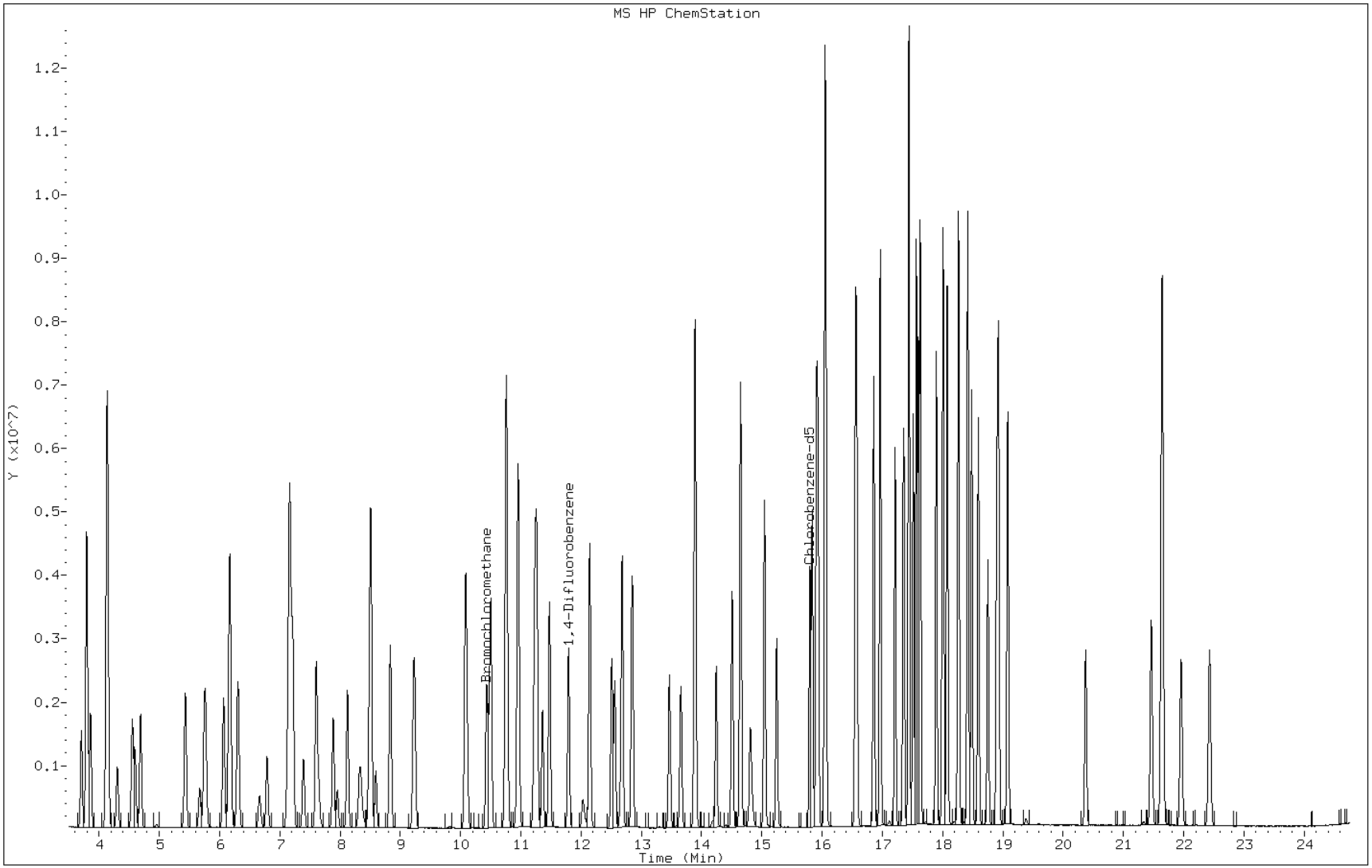
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	6362078	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.396)	6091910	20.0000	17
5 Chloromethane	50	4.306	4.311	(0.413)	1420994	20.0000	17
7 Vinyl chloride	62	4.600	4.605	(0.441)	1766433	20.0000	17
8 1,3-Butadiene	54	4.691	4.696	(0.450)	1190021	20.0000	18
9 Bromomethane	94	5.435	5.440	(0.521)	1966148	20.0000	18
10 Chloroethane	64	5.675	5.681	(0.544)	777980	20.0000	18
12 Vinyl bromide	106	6.066	6.071	(0.582)	2063497	20.0000	19
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	6129596	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.163	7.168	(0.687)	3845770	20.0000	19
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	1693709	20.0000	19
20 Acetone	43	7.393	7.414	(0.709)	1810554	20.0000	17
21 Carbon disulfide	76	7.607	7.612	(0.729)	4913377	20.0000	19
22 Isopropanol	45	7.649	7.687	(0.733)	1421197	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	7.885	7.890	(0.756)	1493480	20.0000	17
	25 Methylene chloride	49	8.126	8.126	(0.779)	1480102	20.0000	17
	26 Tert-butyl alcohol	59	8.329	8.388	(0.798)	2376924	20.0000	19
	27 Methyl tert-butyl ether	73	8.495	8.516	(0.814)	4279057	20.0000	19
	28 1,2-Dichloroethene (trans)	61	8.511	8.516	(0.816)	2295919	20.0000	18
	30 n-Hexane	57	8.837	8.837	(0.847)	1972737	20.0000	18
	31 1,1-Dichloroethane	63	9.222	9.222	(0.884)	2662193	20.0000	18
	34 1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	1670919	20.0000	19
	36 Methyl Ethyl Ketone	72	10.089	10.100	(0.967)	539116	20.0000	16
*	37 Bromochloromethane	128	10.431	10.431	(1.000)	849765	10.0000	
	38 Tetrahydrofuran	42	10.469	10.485	(0.888)	1014884	20.0000	19
	39 Chloroform	83	10.501	10.501	(1.007)	3553543	20.0000	18
	40 Cyclohexane	84	10.768	10.774	(0.913)	1995856	20.0000	19
	41 1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	4554000	20.0000	19
	42 Carbon tetrachloride	117	10.956	10.956	(0.929)	5324378	20.0000	19
	43 2,2,4-Trimethylpentane	57	11.234	11.239	(0.953)	5928425	20.0000	18
	44 Benzene	78	11.271	11.271	(0.956)	3909348	20.0000	18
	45 1,2-Dichloroethane	62	11.362	11.362	(0.964)	1980519	20.0000	18
	46 n-Heptane	43	11.480	11.474	(0.974)	1776635	20.0000	17
*	47 1,4-Difluorobenzene	114	11.790	11.790	(1.000)	3123683	10.0000	
	49 Trichloroethene	95	12.143	12.143	(1.030)	1861840	20.0000	17
	50 1,2-Dichloropropane	63	12.507	12.512	(1.061)	1260893	20.0000	18
	51 Methyl methacrylate	69	12.560	12.566	(1.065)	1139665	20.0000	20
	53 1,4-Dioxane	88	12.662	12.678	(1.074)	566474	20.0000	20
	54 Bromodichloromethane	83	12.849	12.849	(1.090)	3348405	20.0000	19
	55 1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	1847388	20.0000	18
	56 Methyl isobutyl ketone	43	13.657	13.673	(1.158)	1944335	20.0000	18
	58 Toluene	92	13.898	13.898	(0.880)	2643017	20.0000	18
	59 1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	1912666	20.0000	19
	60 1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	1301761	20.0000	18
	61 Tetrachloroethene	166	14.647	14.647	(0.927)	3064615	20.0000	19
	63 Dibromochloromethane	129	15.043	15.043	(0.952)	3810030	20.0000	20
	64 1,2-Dibromoethane	107	15.246	15.246	(0.965)	2502095	20.0000	18
*	65 Chlorobenzene-d5	117	15.797	15.797	(1.000)	2981703	10.0000	
	66 Chlorobenzene	112	15.834	15.834	(1.002)	3533819	20.0000	19
	68 Ethylbenzene	91	15.909	15.909	(1.007)	5864143	20.0000	20
	69 Xylene (m,p)	106	16.054	16.054	(1.016)	4772991	40.0000	40
	71 Xylene (o)	106	16.557	16.557	(1.048)	2492855	20.0000	20
	72 Styrene	104	16.578	16.578	(1.049)	3378850	20.0000	21
	73 Bromoform	173	16.856	16.856	(1.067)	4016466	20.0000	21
	75 1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	3424665	20.0000	19
	79 4-Ethyltoluene	105	17.562	17.562	(1.112)	6882954	20.0000	22
	80 2-Chlorotoluene	91	17.594	17.595	(1.114)	6322827	20.0000	19
	81 1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	6112022	20.0000	20
	84 1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	5933237	20.0000	21
	87 1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	3842430	20.0000	22
	88 1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	3557839	20.0000	22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	3831390	20.0000	21
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	1844526	20.0000	24
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	3431505	20.0000	20

Data File:	ggh010.d	Date:	02-MAR-2012 21:37
Client ID:	ic 279072	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279072		
Lab Sample ID:	ic 279072		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh011.d
Lab Smp Id: ic 275630 Client Smp ID: ic 275630
Inj Date : 02-MAR-2012 22:27
Operator : pad Inst ID: G.i
Smp Info : ic 275630
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.814	3.808	(0.365)	12430839	40.0000	35
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.156	4.145	(0.398)	11682327	40.0000	34
5 Chloromethane	50	4.322	4.311	(0.414)	2788695	40.0000	33
7 Vinyl chloride	62	4.611	4.605	(0.442)	3436706	40.0000	34
8 1,3-Butadiene	54	4.707	4.696	(0.451)	2322801	40.0000	35
9 Bromomethane	94	5.451	5.440	(0.522)	3904415	40.0000	36
10 Chloroethane	64	5.691	5.681	(0.545)	1531882	40.0000	35
12 Vinyl bromide	106	6.087	6.071	(0.583)	4103658	40.0000	38
13 Trichlorofluoromethane	101	6.189	6.173	(0.593)	12166367	40.0000	37
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.179	7.168	(0.687)	7483875	40.0000	36
19 1,1-Dichloroethene	96	7.232	7.221	(0.693)	3335350	40.0000	38
20 Acetone	43	7.414	7.414	(0.710)	3213802	40.0000	31
21 Carbon disulfide	76	7.623	7.612	(0.730)	9680072	40.0000	37
22 Isopropanol	45	7.666	7.687	(0.734)	2439721	40.0000	33

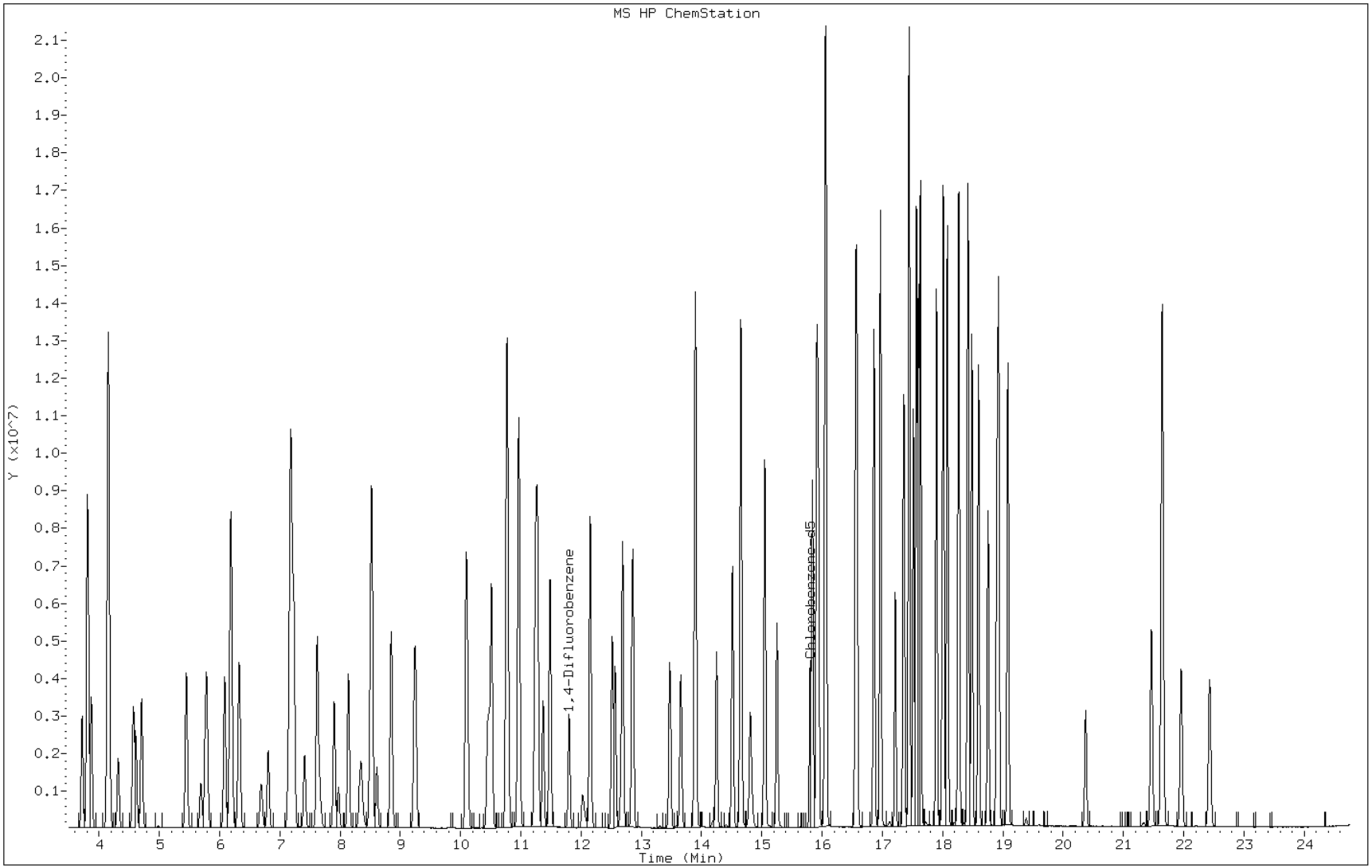
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.901	7.890	(0.757)	2813520	40.0000	33
25	Methylene chloride	49	8.142	8.126	(0.780)	2855250	40.0000	34
26	Tert-butyl alcohol	59	8.345	8.388	(0.799)	4198255	40.0000	35
27	Methyl tert-butyl ether	73	8.511	8.516	(0.815)	7763313	40.0000	34
28	1,2-Dichloroethene (trans)	61	8.532	8.516	(0.817)	4310832	40.0000	33
30	n-Hexane	57	8.853	8.837	(0.848)	3734385	40.0000	34
31	1,1-Dichloroethane	63	9.238	9.222	(0.885)	4982634	40.0000	34
34	1,2-Dichloroethene (cis)	96	10.094	10.084	(0.967)	3089444	40.0000	35
36	Methyl Ethyl Ketone	72	10.105	10.100	(0.968)	942954	40.0000	29
* 37	Bromochloromethane	128	10.442	10.431	(1.000)	862203	10.0000	
38	Tetrahydrofuran	42	10.474	10.485	(0.888)	1832176	40.0000	34
39	Chloroform	83	10.512	10.501	(1.007)	6686175	40.0000	35
40	Cyclohexane	84	10.779	10.774	(0.913)	3696866	40.0000	33
41	1,1,1-Trichloroethane	97	10.768	10.758	(0.912)	8475788	40.0000	33
42	Carbon tetrachloride	117	10.961	10.956	(0.929)	10206950	40.0000	35
43	2,2,4-Trimethylpentane	57	11.250	11.239	(0.953)	10873171	40.0000	31
44	Benzene	78	11.282	11.271	(0.956)	7403606	40.0000	33
45	1,2-Dichloroethane	62	11.373	11.362	(0.964)	3676995	40.0000	32
46	n-Heptane	43	11.491	11.474	(0.974)	3354574	40.0000	31
* 47	1,4-Difluorobenzene	114	11.801	11.790	(1.000)	3336776	10.0000	
49	Trichloroethene	95	12.154	12.143	(1.030)	3436173	40.0000	31
50	1,2-Dichloropropane	63	12.518	12.512	(1.061)	2397517	40.0000	34
51	Methyl methacrylate	69	12.566	12.566	(1.065)	2132874	40.0000	35
53	1,4-Dioxane	88	12.657	12.678	(1.073)	955049	40.0000	33
54	Bromodichloromethane	83	12.855	12.849	(1.089)	6416592	40.0000	34
55	1,3-Dichloropropene (cis)	75	13.475	13.470	(1.142)	3459684	40.0000	33
56	Methyl isobutyl ketone	43	13.652	13.673	(1.157)	3544092	40.0000	32
58	Toluene	92	13.903	13.898	(0.880)	4960886	40.0000	33
59	1,3-Dichloropropene (trans)	75	14.246	14.240	(1.207)	3602856	40.0000	34
60	1,1,2-Trichloroethane	83	14.513	14.508	(0.918)	2465497	40.0000	33
61	Tetrachloroethene	166	14.652	14.647	(0.927)	6051578	40.0000	36
63	Dibromochloromethane	129	15.048	15.043	(0.952)	7328537	40.0000	36
64	1,2-Dibromoethane	107	15.251	15.246	(0.965)	4653673	40.0000	33
* 65	Chlorobenzene-d5	117	15.802	15.797	(1.000)	3166586	10.0000	
66	Chlorobenzene	112	15.840	15.834	(1.002)	6728149	40.0000	34
68	Ethylbenzene	91	15.909	15.909	(1.007)	10928420	40.0000	35
69	Xylene (m,p)	106	16.059	16.054	(1.016)	8862263	80.0000	72
71	Xylene (o)	106	16.562	16.557	(1.048)	4722878	40.0000	36
72	Styrene	104	16.583	16.578	(1.049)	6449682	40.0000	39
73	Bromoform	173	16.856	16.856	(1.067)	7924499	40.0000	40
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.098)	6320397	40.0000	33
79	4-Ethyltoluene	105	17.562	17.562	(1.111)	12882833	40.0000	38
80	2-Chlorotoluene	91	17.600	17.595	(1.114)	11883618	40.0000	35
81	1,3,5-Trimethylbenzene	105	17.632	17.627	(1.116)	11536746	40.0000	37
84	1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	11183895	40.0000	38
87	1,3-Dichlorobenzene	146	18.488	18.483	(1.170)	7536339	40.0000	40(A)
88	1,4-Dichlorobenzene	146	18.600	18.595	(1.177)	7078102	40.0000	41(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	7456667	40.0000	39
94 1,2,4-Trichlorobenzene	180	21.468	21.462	(1.359)	3068874	40.0000	38
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	5584826	40.0000	31

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	ggh011.d	Date:	02-MAR-2012 22:27
Client ID:	ic 275630	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275630		
Lab Sample ID:	ic 275630		



FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Chloromethane	10.0	10.3	103	70-130	
Benzene	10.0	9.67	97	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
Chloroethane	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq016.d
Lab Smp Id: icv 290911
Inj Date : 24-FEB-2012 20:54
Operator : wrd Inst ID: C.i
Smp Info : icv 290911
Misc Info : 200,1, icv
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.063	5.057	(0.456)	1210156	10.4022	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.351	(0.483)	1356723	10.0533	10
5 Chloromethane	50	5.516	5.511	(0.497)	422864	10.3114	10
7 Vinyl chloride	62	5.772	5.767	(0.520)	506221	10.3450	10
8 1,3-Butadiene	54	5.842	5.842	(0.526)	402913	10.9039	11
9 Bromomethane	94	6.504	6.503	(0.586)	414938	9.63911	9.6
10 Chloroethane	64	6.701	6.696	(0.604)	250740	10.3664	10
12 Vinyl bromide	106	7.053	7.053	(0.636)	461163	10.0933	10
13 Trichlorofluoromethane	101	7.139	7.138	(0.643)	1196892	9.95570	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.003	7.998	(0.721)	1002356	10.7530	11
19 1,1-Dichloroethene	96	8.078	8.072	(0.728)	511823	10.7539	11
20 Acetone	43	8.195	8.190	(0.738)	638008	11.3681	11
21 Carbon disulfide	76	8.478	8.478	(0.764)	1486177	10.4350	10
22 Isopropanol	45	8.334	8.334	(0.751)	458167	10.4389	10

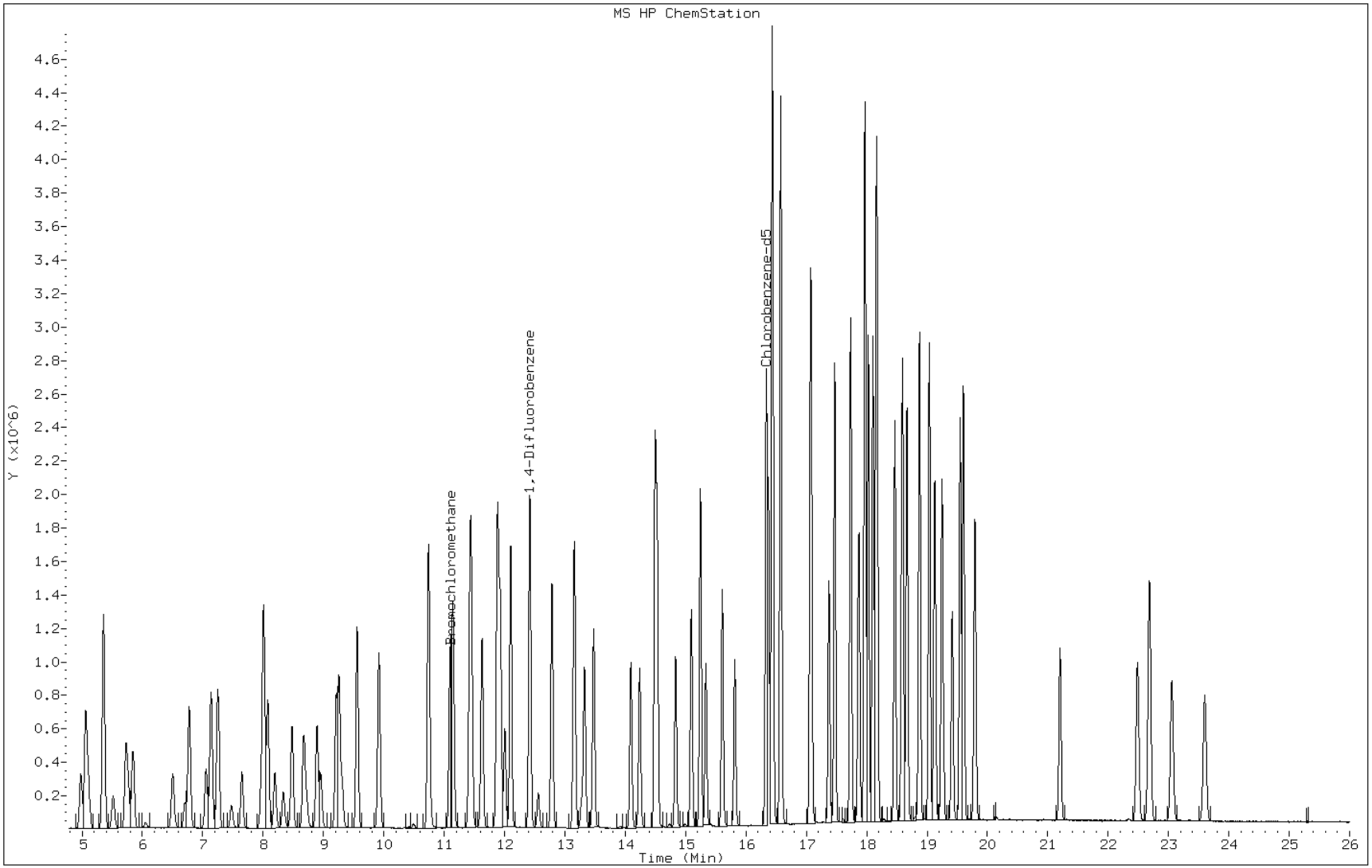
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	8.676	8.675	(0.782)	726827	10.4018	10(M)
	25 Methylene chloride	49	8.889	8.889	(0.801)	553181	11.1183	11
	26 Tert-butyl alcohol	59	8.953	8.953	(0.807)	637182	10.2212	10
	27 Methyl tert-butyl ether	73	9.215	9.215	(0.830)	1279052	9.73650	9.7
	28 1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	741146	10.2275	10
	30 n-Hexane	57	9.556	9.556	(0.861)	882019	10.2121	10
	31 1,1-Dichloroethane	63	9.930	9.924	(0.895)	942538	10.3056	10
	34 1,2-Dichloroethene (cis)	96	10.752	10.746	(0.969)	549138	10.2502	10
	36 Methyl Ethyl Ketone	72	10.741	10.736	(0.968)	226189	9.56906	9.6(Q)
*	37 Bromochloromethane	128	11.099	11.098	(1.000)	396804	10.0000	
	38 Tetrahydrofuran	42	11.131	11.130	(0.896)	478251	10.7297	11
	39 Chloroform	83	11.147	11.146	(1.004)	1049968	10.0288	10
	40 Cyclohexane	84	11.451	11.451	(0.922)	790328	9.76710	9.8
	41 1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1085240	9.67337	9.7
	42 Carbon tetrachloride	117	11.627	11.621	(0.936)	1048868	9.57892	9.6
	43 2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	2780672	10.1034	10
	44 Benzene	78	11.931	11.926	(0.961)	1725274	9.66755	9.7
	45 1,2-Dichloroethane	62	12.006	12.006	(0.967)	671141	9.85483	9.9
	46 n-Heptane	43	12.102	12.102	(0.975)	1005322	9.99144	10
*	47 1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2361491	10.0000	
	49 Trichloroethene	95	12.785	12.785	(1.030)	742070	9.66233	9.7
	50 1,2-Dichloropropane	63	13.148	13.148	(1.059)	592582	9.72833	9.7
	51 Methyl methacrylate	69	13.159	13.159	(1.060)	501712	9.91396	9.9
	53 1,4-Dioxane	88	13.276	13.276	(1.069)	187737	9.04341	9.0
	54 Bromodichloromethane	83	13.479	13.479	(1.086)	1194744	10.2076	10
	55 1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	894890	9.60367	9.6
	56 Methyl isobutyl ketone	43	14.242	14.237	(1.147)	927866	9.92916	9.9
	58 Toluene	92	14.525	14.525	(0.889)	1167122	9.12240	9.1
	59 1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	849861	9.52466	9.5
	60 1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	518429	8.83883	8.8
	61 Tetrachloroethene	166	15.245	15.245	(0.933)	830175	8.69337	8.7
	63 Dibromochloromethane	129	15.608	15.608	(0.955)	1080734	9.67957	9.7
	64 1,2-Dibromoethane	107	15.811	15.811	(0.968)	970756	9.05425	9.1
*	65 Chlorobenzene-d5	117	16.339	16.339	(1.000)	2119725	10.0000	
	66 Chlorobenzene	112	16.377	16.377	(1.002)	1469788	8.87283	8.9
	68 Ethylbenzene	91	16.436	16.435	(1.006)	2335920	9.00409	9.0
	69 Xylene (m,p)	106	16.574	16.574	(1.014)	1819689	17.6218	18
	71 Xylene (o)	106	17.065	17.065	(1.044)	880357	8.79214	8.8
	72 Styrene	104	17.087	17.086	(1.046)	1399036	9.00744	9.0
	73 Bromoform	173	17.375	17.375	(1.063)	913926	9.23723	9.2
	75 1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	1301365	8.76941	8.8
	79 4-Ethyltoluene	105	18.101	18.100	(1.108)	2737577	9.47451	9.5
	80 2-Chlorotoluene	91	18.154	18.154	(1.111)	2372065	9.19254	9.2
	81 1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	2188078	9.16678	9.2
	84 1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	2132307	9.04111	9.0
	87 1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	1379268	8.61673	8.6
	88 1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	1354224	8.59947	8.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	1279669	8.42996	8.4
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	627030	8.13794	8.1
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	569180	8.20198	8.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq016.d	Date:	24-FEB-2012 20:54
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icv 290911		
Lab Sample ID:	icv 290911		



FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Matrix: Air Level: Low Lab File ID: ggh016.d

Lab ID: ICV 200-34489/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Chloromethane	10.0	9.82	98	70-130	
Vinyl chloride	10.0	9.99	100	70-130	
Chloroethane	10.0	9.81	98	70-130	
Methylene Chloride	10.0	10.8	108	70-130	
1,2-Dichloroethene, trans-	10.0	9.96	100	70-130	
1,2-Dichloroethene, cis-	10.0	10.6	106	70-130	
1,1,1-Trichloroethane	10.0	11.0	110	70-130	
1,2-Dichloroethane	10.0	10.6	106	70-130	
Trichloroethene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.37	94	70-130	
Tetrachloroethene	10.0	9.39	94	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.70	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh016.d
Lab Smp Id: ICV 290910 Client Smp ID: ICV 290910
Inj Date : 03-MAR-2012 02:31
Operator : pad Inst ID: G.i
Smp Info : lcs 290910
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:57 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 12 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

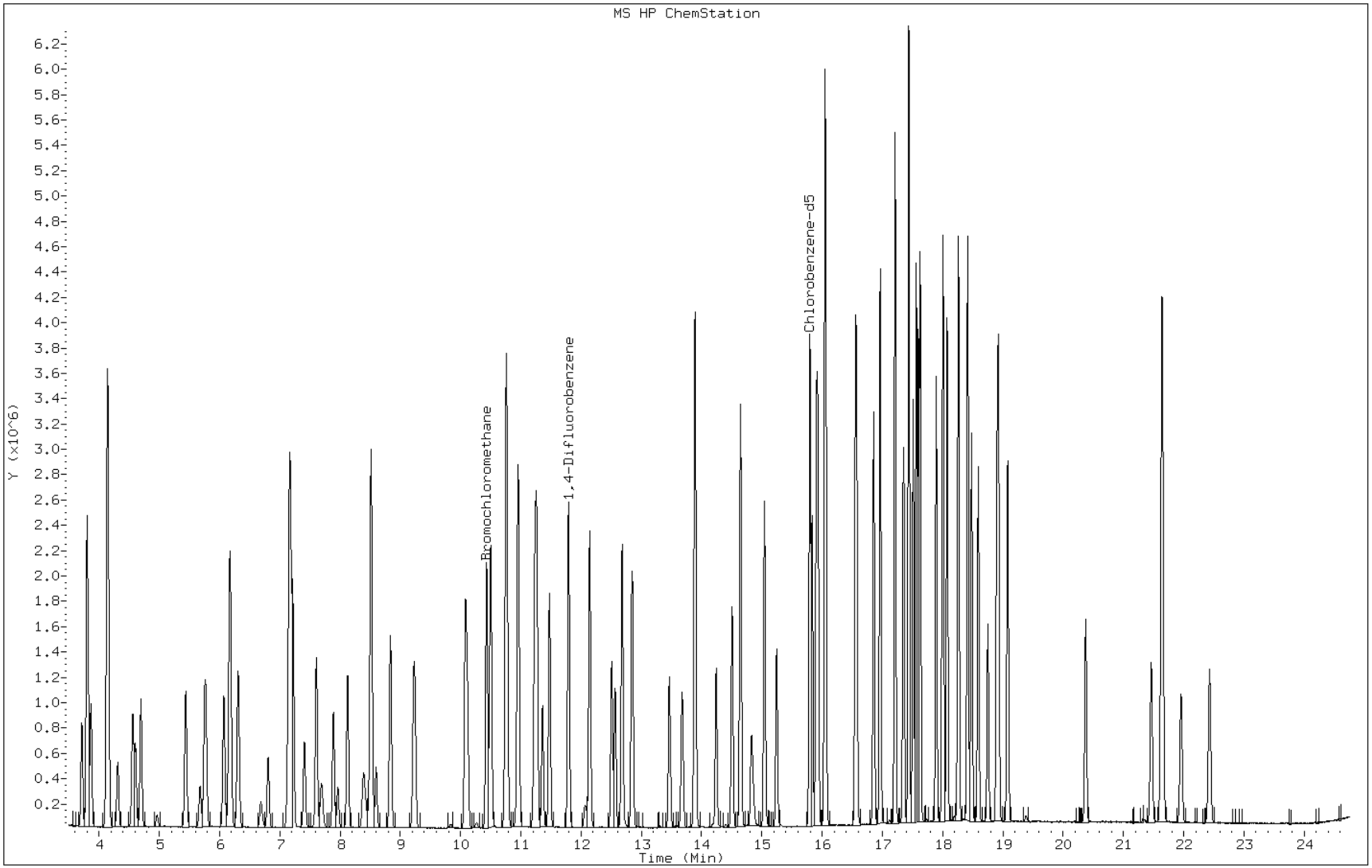
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	3368976	10.2141	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	3247977	10.0614	10
5 Chloromethane	50	4.311	4.311	(0.413)	770474	9.81948	9.8
7 Vinyl chloride	62	4.606	4.605	(0.442)	933029	9.99121	10
8 1,3-Butadiene	54	4.696	4.696	(0.450)	657296	10.5096	11
9 Bromomethane	94	5.440	5.440	(0.522)	996738	9.82485	9.8
10 Chloroethane	64	5.681	5.681	(0.545)	399374	9.81343	9.8
12 Vinyl bromide	106	6.071	6.071	(0.582)	1040701	10.3913	10
13 Trichlorofluoromethane	101	6.178	6.173	(0.592)	3113290	10.0394	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	2114130	11.0551	11
19 1,1-Dichloroethene	96	7.222	7.221	(0.692)	943883	11.4440	11
20 Acetone	43	7.409	7.414	(0.710)	1127085	11.8040	12
21 Carbon disulfide	76	7.607	7.612	(0.729)	2575667	10.5031	11
22 Isopropanol	45	7.692	7.687	(0.737)	699702	10.2767	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	7.890	7.890	(0.756)	778357	9.71911	9.7
	25 Methylene chloride	49	8.131	8.126	(0.779)	844600	10.8318	11
	26 Tert-butyl alcohol	59	8.393	8.388	(0.805)	1148635	10.1546	10
	27 Methyl tert-butyl ether	73	8.511	8.516	(0.816)	2187776	10.3558	10
	28 1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	1199809	9.96103	10
	30 n-Hexane	57	8.837	8.837	(0.847)	1026113	10.1158	10
	31 1,1-Dichloroethane	63	9.222	9.222	(0.884)	1386792	10.0206	10
	34 1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	877394	10.6186	11
	36 Methyl Ethyl Ketone	72	10.100	10.100	(0.968)	283420	9.26961	9.3
*	37 Bromochloromethane	128	10.431	10.431	(1.000)	803895	10.0000	
	38 Tetrahydrofuran	42	10.485	10.485	(0.889)	530671	11.7371	12
	39 Chloroform	83	10.501	10.501	(1.007)	1807708	10.0112	10
	40 Cyclohexane	84	10.774	10.774	(0.914)	1014778	11.0149	11
	41 1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	2307869	10.9509	11
	42 Carbon tetrachloride	117	10.956	10.956	(0.929)	2621324	10.9346	11
	43 2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	3113546	10.7272	11
	44 Benzene	78	11.271	11.271	(0.956)	1947103	10.5684	11
	45 1,2-Dichloroethane	62	11.362	11.362	(0.964)	1015080	10.5808	11
	46 n-Heptane	43	11.480	11.474	(0.974)	932649	10.4365	10
*	47 1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2778369	10.0000	
	49 Trichloroethene	95	12.143	12.143	(1.030)	957117	10.4085	10
	50 1,2-Dichloropropane	63	12.507	12.512	(1.061)	615072	10.3959	10
	51 Methyl methacrylate	69	12.566	12.566	(1.066)	548346	10.9222	11
	53 1,4-Dioxane	88	12.684	12.678	(1.076)	244949	10.1611	10
	54 Bromodichloromethane	83	12.849	12.849	(1.090)	1705416	10.8964	11
	55 1,3-Dichloropropene (cis)	75	13.465	13.470	(1.142)	905192	10.4493	10
	56 Methyl isobutyl ketone	43	13.673	13.673	(1.160)	1010314	11.0588	11
	58 Toluene	92	13.898	13.898	(0.880)	1260999	9.67548	9.7
	59 1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	930192	10.5933	11
	60 1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	607879	9.36921	9.4
	61 Tetrachloroethene	166	14.647	14.647	(0.927)	1385719	9.39214	9.4
	63 Dibromochloromethane	129	15.043	15.043	(0.952)	1844818	10.3251	10
	64 1,2-Dibromoethane	107	15.246	15.246	(0.965)	1176121	9.52852	9.5
*	65 Chlorobenzene-d5	117	15.797	15.797	(1.000)	2774899	10.0000	
	66 Chlorobenzene	112	15.835	15.834	(1.002)	1645954	9.60098	9.6
	68 Ethylbenzene	91	15.909	15.909	(1.007)	2785825	10.1741	10
	69 Xylene (m,p)	106	16.054	16.054	(1.016)	2211151	20.4028	20
	71 Xylene (o)	106	16.557	16.557	(1.048)	1138458	9.87176	9.9
	72 Styrene	104	16.578	16.578	(1.049)	1542984	10.5243	11
	73 Bromoform	173	16.856	16.856	(1.067)	1847480	10.5810	11
	75 1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	1615674	9.70464	9.7
	79 4-Ethyltoluene	105	17.562	17.562	(1.112)	3237445	10.9509	11
	80 2-Chlorotoluene	91	17.595	17.595	(1.114)	3119489	10.4080	10
	81 1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	2859317	10.4035	10
	84 1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	2681965	10.2835	10
	87 1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	1652285	10.0643	10
	88 1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	1523529	10.0152	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	1633673	9.82958	9.8
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	697689	9.94206	9.9
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	1617505	10.2988	10

Data File:	ggh016.d	Date:	03-MAR-2012 02:31
Client ID:	ICV 290910	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 290910		
Lab Sample ID:	ICV 290910		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-35378/2 Calibration Date: 03/20/2012 13:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	2.951		10.1	10.0	0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.847		8.37	10.0	-16.3	30.0
Chloromethane	Ave	1.033	0.7619		7.37	10.0	-26.3	30.0
Vinyl chloride	Ave	1.233	0.9109		7.39	10.0	-26.1	30.0
1,3-Butadiene	Ave	0.9312	0.6800		7.30	10.0	-27.0	30.0
Bromomethane	Ave	1.085	0.8614		7.94	10.0	-20.6	30.0
Chloroethane	Ave	0.6096	0.4555		7.47	10.0	-25.3	30.0
Vinyl bromide	Ave	1.151	0.9078		7.88	10.0	-21.2	30.0
Trichlorofluoromethane	Ave	3.030	3.155		10.4	10.0	4.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	1.988		8.46	10.0	-15.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9204		7.67	10.0	-23.3	30.0
Acetone	Ave	1.414	1.316		9.31	10.0	-6.9	30.0
Isopropanol	Ave	1.106	0.9359		8.46	10.0	-15.4	30.0
Carbon disulfide	Ave	3.589	2.754		7.67	10.0	-23.3	30.0
Allyl chloride	Ave	1.761	1.392		7.90	10.0	-20.9	30.0
Methylene Chloride	Ave	1.254	1.004		8.00	10.0	-19.9	30.0
tert-Butyl alcohol	Ave	1.571	1.550		9.86	10.0	-1.4	30.0
Methyl tert-butyl ether	Ave	3.311	3.004		9.07	10.0	-9.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.541		8.44	10.0	-15.6	30.0
n-Hexane	Ave	2.177	1.652		7.59	10.0	-24.1	30.0
1,1-Dichloroethane	Ave	2.305	1.929		8.37	10.0	-16.3	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4637		7.78	10.0	-22.2	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.097		8.12	10.0	-18.8	30.0
Tetrahydrofuran	Ave	0.1887	0.1680		8.90	10.0	-11.0	30.0
Chloroform	Ave	2.638	2.510		9.51	10.0	-4.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5189		10.9	10.0	9.2	30.0
Cyclohexane	Ave	0.3427	0.2706		7.90	10.0	-21.0	30.0
Carbon tetrachloride	Ave	0.4637	0.5282		11.4	10.0	13.9	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9315		7.99	10.0	-20.1	30.0
Benzene	Ave	0.7557	0.5913		7.82	10.0	-21.8	30.0
1,2-Dichloroethane	Ave	0.2884	0.3021		10.5	10.0	4.7	30.0
n-Heptane	Ave	0.4261	0.3451		8.10	10.0	-19.0	30.0
Trichloroethene	Ave	0.3252	0.2869		8.82	10.0	-11.8	30.0
1,2-Dichloropropane	Ave	0.2579	0.2076		8.05	10.0	-19.5	30.0
Methyl methacrylate	Ave	0.2143	0.1858		8.67	10.0	-13.3	30.0
1,4-Dioxane	Ave	0.0879	0.0724		8.23	10.0	-17.6	30.0
Bromodichloromethane	Ave	0.4956	0.5032		10.1	10.0	1.5	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3537		8.96	10.0	-10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-35378/2 Calibration Date: 03/20/2012 13:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.3619		9.14	10.0	-8.6	30.0
Toluene	Ave	0.6036	0.5038		8.35	10.0	-16.5	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3690		9.76	10.0	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2337		8.45	10.0	-15.5	30.0
Tetrachloroethene	Ave	0.4505	0.4064		9.02	10.0	-9.8	30.0
Dibromochloromethane	Ave	0.5267	0.5437		10.3	10.0	3.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4611		9.11	10.0	-8.8	30.0
Chlorobenzene	Ave	0.7815	0.6723		8.60	10.0	-14.0	30.0
Ethylbenzene	Ave	1.224	1.134		9.26	10.0	-7.4	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4286		17.6	20.0	-12.0	30.0
o-Xylene	Ave	0.4724	0.4161		8.81	10.0	-11.9	30.0
Styrene	Ave	0.7327	0.6550		8.94	10.0	-10.6	30.0
Bromoform	Ave	0.4668	0.4729		10.1	10.0	1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5930		8.47	10.0	-15.3	30.0
4-Ethyltoluene	Ave	1.363	1.329		9.75	10.0	-2.5	30.0
2-Chlorotoluene	Ave	1.217	1.176		9.66	10.0	-3.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.160		10.3	10.0	3.0	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.108		9.96	10.0	-0.4	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6657		8.81	10.0	-11.8	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6565		8.83	10.0	-11.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6402		8.94	10.0	-10.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3086		8.49	10.0	-15.1	30.0
Hexachlorobutadiene	Ave	0.3274	0.2905		8.87	10.0	-11.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr002.d
Lab Smp Id: ccvis 302592 Client Smp ID: ccvis 302592
Inj Date : 20-MAR-2012 13:03
Operator : pad Inst ID: C.i
Smp Info : ccvis 302592
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.047	5.057	(0.456)	779141	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.482)	751500	10.0000	8.4
5 Chloromethane	50	5.500	5.511	(0.497)	201151	10.0000	7.4
7 Vinyl chloride	62	5.751	5.767	(0.519)	240480	10.0000	7.4
8 1,3-Butadiene	54	5.826	5.842	(0.526)	179517	10.0000	7.3
9 Bromomethane	94	6.488	6.503	(0.586)	227422	10.0000	7.9
10 Chloroethane	64	6.685	6.696	(0.604)	120250	10.0000	7.5
12 Vinyl bromide	106	7.037	7.053	(0.636)	239653	10.0000	7.9
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	832899	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.998	(0.721)	524809	10.0000	8.5
19 1,1-Dichloroethene	96	8.062	8.072	(0.728)	242983	10.0000	7.7
20 Acetone	43	8.174	8.190	(0.738)	347542	10.0000	9.3
21 Carbon disulfide	76	8.457	8.478	(0.764)	727139	10.0000	7.7
22 Isopropanol	45	8.313	8.334	(0.751)	247087	10.0000	8.5

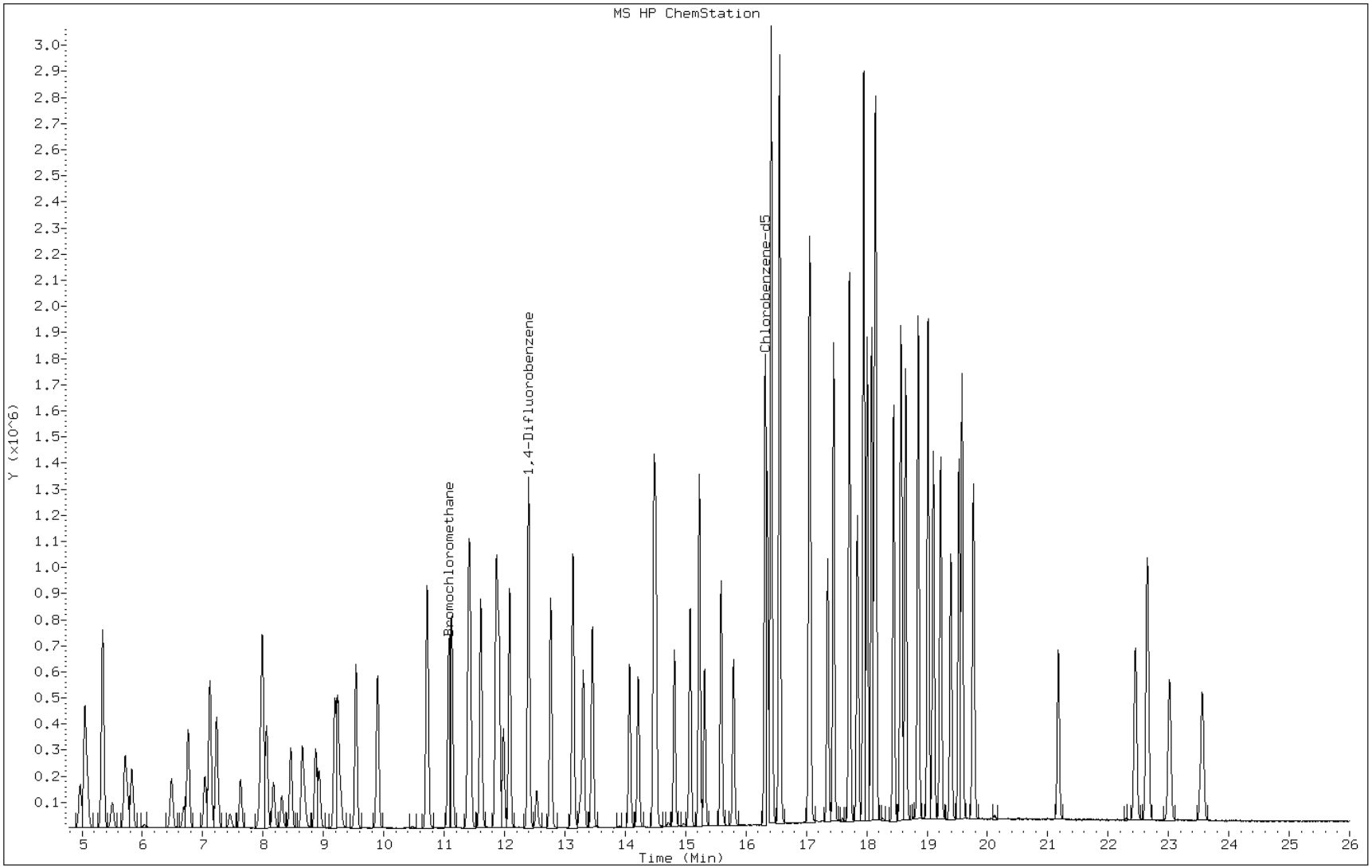
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.654	8.675	(0.782)	367548	10.0000	7.9(M)
25	Methylene chloride	49	8.868	8.889	(0.801)	265014	10.0000	8.0
26	Tert-butyl alcohol	59	8.926	8.953	(0.806)	409130	10.0000	9.9
27	Methyl tert-butyl ether	73	9.193	9.215	(0.830)	793063	10.0000	9.1
28	1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	406774	10.0000	8.4
30	n-Hexane	57	9.540	9.556	(0.862)	436100	10.0000	7.6
31	1,1-Dichloroethane	63	9.903	9.924	(0.894)	509380	10.0000	8.4
34	1,2-Dichloroethene (cis)	96	10.730	10.746	(0.969)	289532	10.0000	8.1
36	Methyl Ethyl Ketone	72	10.714	10.736	(0.968)	122422	10.0000	7.8(Q)
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	264052	10.0000	
38	Tetrahydrofuran	42	11.109	11.130	(0.896)	253042	10.0000	8.9
39	Chloroform	83	11.125	11.146	(1.005)	662630	10.0000	9.5
40	Cyclohexane	84	11.435	11.451	(0.922)	407717	10.0000	7.9
41	1,1,1-Trichloroethane	97	11.408	11.424	(0.920)	781749	10.0000	11
42	Carbon tetrachloride	117	11.606	11.621	(0.936)	795850	10.0000	11
43	2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1403399	10.0000	8.0
44	Benzene	78	11.910	11.926	(0.961)	890788	10.0000	7.8
45	1,2-Dichloroethane	62	11.985	12.006	(0.967)	455126	10.0000	10
46	n-Heptane	43	12.086	12.102	(0.975)	519978	10.0000	8.1
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1506906	10.0000	
49	Trichloroethene	95	12.764	12.785	(1.030)	432239	10.0000	8.8
50	1,2-Dichloropropane	63	13.127	13.148	(1.059)	312781	10.0000	8.0(Q)
51	Methyl methacrylate	69	13.137	13.159	(1.060)	279869	10.0000	8.7(Q)
53	1,4-Dioxane	88	13.255	13.276	(1.069)	109085	10.0000	8.2
54	Bromodichloromethane	83	13.458	13.479	(1.086)	758051	10.0000	10
55	1,3-Dichloropropene (cis)	75	14.071	14.092	(1.135)	532903	10.0000	9.0
56	Methyl isobutyl ketone	43	14.215	14.237	(1.147)	545180	10.0000	9.1
58	Toluene	92	14.509	14.525	(0.889)	663117	10.0000	8.3
59	1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	555884	10.0000	9.8
60	1,1,2-Trichloroethane	83	15.069	15.090	(0.923)	307632	10.0000	8.4
61	Tetrachloroethene	166	15.229	15.245	(0.933)	534860	10.0000	9.0
63	Dibromochloromethane	129	15.592	15.608	(0.956)	715565	10.0000	10
64	1,2-Dibromoethane	107	15.790	15.811	(0.968)	606822	10.0000	9.1
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1316382	10.0000	
66	Chlorobenzene	112	16.355	16.377	(1.002)	884846	10.0000	8.6
68	Ethylbenzene	91	16.419	16.435	(1.006)	1491891	10.0000	9.3
69	Xylene (m,p)	106	16.553	16.574	(1.014)	1128041	20.0000	18
71	Xylene (o)	106	17.049	17.065	(1.045)	547601	10.0000	8.8
72	Styrene	104	17.065	17.086	(1.046)	862006	10.0000	8.9
73	Bromoform	173	17.353	17.375	(1.063)	622365	10.0000	10
75	1,1,2,2-Tetrachloroethane	83	17.850	17.866	(1.094)	780461	10.0000	8.5
79	4-Ethyltoluene	105	18.079	18.100	(1.108)	1749166	10.0000	9.7
80	2-Chlorotoluene	91	18.133	18.154	(1.111)	1547564	10.0000	9.7
81	1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	1526493	10.0000	10
84	1,2,4-Trimethylbenzene	105	18.645	18.661	(1.143)	1458794	10.0000	10
87	1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	876123	10.0000	8.8
88	1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	863981	10.0000	8.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.771	19.792	(1.212)	842618	10.0000	8.9
94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	406087	10.0000	8.5
95 1,3-Hexachlorobutadiene	225	22.653	22.685	(1.388)	382269	10.0000	8.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr002.d	Date:	20-MAR-2012 13:03
Client ID:	ccvis 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302592		
Lab Sample ID:	ccvis 302592		



Manual Integration Report

Data File: ckqr002.d
Lab Sample ID: ccvis 302592
Inj. Date and Time: 20-MAR-2012 13:03
Instrument ID: C.i
Client ID: ccvis 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/21/2012

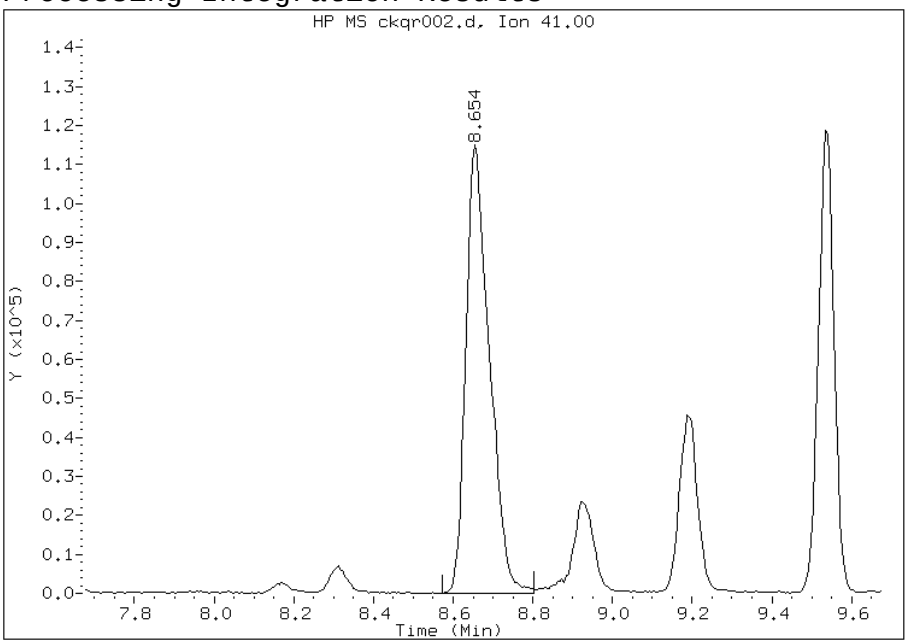
Processing Integration Results

RT: 8.65

Response: 473384

Amount: 10.18

Conc: 10.18



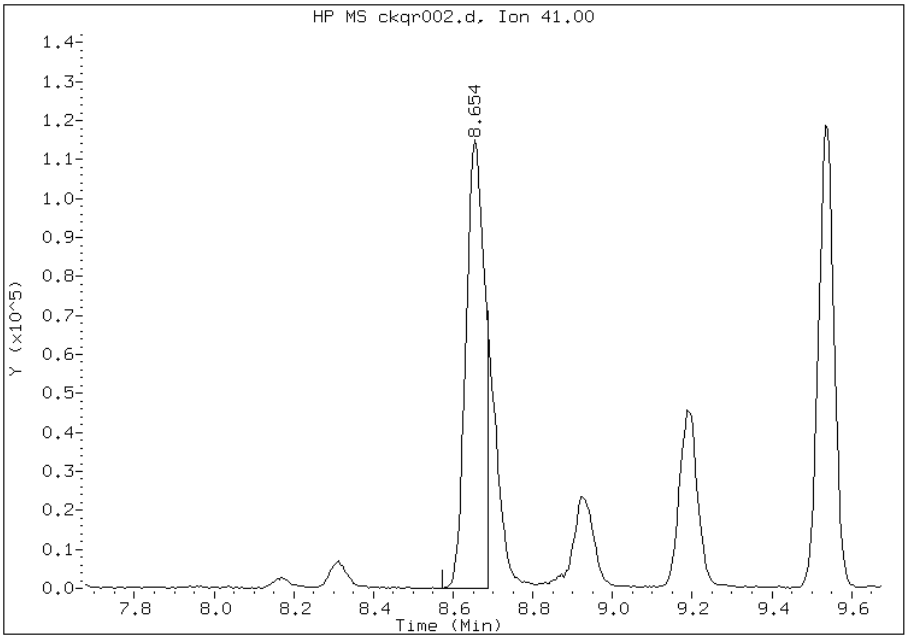
Manual Integration Results

RT: 8.65

Response: 367548

Amount: 7.90

Conc: 7.90



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-35378/27 Calibration Date: 03/21/2012 10:47

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr027.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.465		11.8	10.0	18.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.226		9.48	10.0	-5.1	30.0
Chloromethane	Ave	1.033	0.9016		8.72	10.0	-12.8	30.0
Vinyl chloride	Ave	1.233	1.035		8.39	10.0	-16.1	30.0
1,3-Butadiene	Ave	0.9312	0.7719		8.29	10.0	-17.1	30.0
Bromomethane	Ave	1.085	0.9304		8.57	10.0	-14.2	30.0
Chloroethane	Ave	0.6096	0.5082		8.34	10.0	-16.6	30.0
Vinyl bromide	Ave	1.151	0.9299		8.07	10.0	-19.2	30.0
Trichlorofluoromethane	Ave	3.030	3.568		11.8	10.0	17.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.105		8.96	10.0	-10.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9481		7.90	10.0	-21.0	30.0
Acetone	Ave	1.414	1.491		10.5	10.0	5.4	30.0
Isopropanol	Ave	1.106	1.077		9.73	10.0	-2.7	30.0
Carbon disulfide	Ave	3.589	2.934		8.17	10.0	-18.3	30.0
Allyl chloride	Ave	1.761	1.470		8.35	10.0	-16.5	30.0
Methylene Chloride	Ave	1.254	1.156		9.22	10.0	-7.8	30.0
tert-Butyl alcohol	Ave	1.571	1.771		11.3	10.0	12.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.255		9.83	10.0	-1.7	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.715		9.39	10.0	-6.1	30.0
n-Hexane	Ave	2.177	1.816		8.34	10.0	-16.6	30.0
1,1-Dichloroethane	Ave	2.305	2.153		9.34	10.0	-6.6	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4862		8.16	10.0	-18.4	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.162		8.61	10.0	-13.9	30.0
Tetrahydrofuran	Ave	0.1887	0.1910		10.1	10.0	1.2	30.0
Chloroform	Ave	2.638	2.795		10.6	10.0	5.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5781		12.2	10.0	21.7	30.0
Cyclohexane	Ave	0.3427	0.2886		8.42	10.0	-15.8	30.0
Carbon tetrachloride	Ave	0.4637	0.5919		12.8	10.0	27.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.028		8.82	10.0	-11.8	30.0
Benzene	Ave	0.7557	0.6258		8.28	10.0	-17.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3466		12.0	10.0	20.2	30.0
n-Heptane	Ave	0.4261	0.3923		9.20	10.0	-7.9	30.0
Trichloroethene	Ave	0.3252	0.3110		9.56	10.0	-4.4	30.0
1,2-Dichloropropane	Ave	0.2579	0.2253		8.73	10.0	-12.7	30.0
Methyl methacrylate	Ave	0.2143	0.2000		9.33	10.0	-6.7	30.0
1,4-Dioxane	Ave	0.0879	0.0763		8.67	10.0	-13.3	30.0
Bromodichloromethane	Ave	0.4956	0.5588		11.3	10.0	12.7	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3831		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-35378/27 Calibration Date: 03/21/2012 10:47

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr027.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.4086		10.3	10.0	3.2	30.0
Toluene	Ave	0.6036	0.5122		8.48	10.0	-15.1	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4121		10.9	10.0	9.1	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2454		8.87	10.0	-11.3	30.0
Tetrachloroethene	Ave	0.4505	0.4198		9.32	10.0	-6.8	30.0
Dibromochloromethane	Ave	0.5267	0.5811		11.0	10.0	10.3	30.0
1,2-Dibromoethane	Ave	0.5058	0.4835		9.56	10.0	-4.4	30.0
Chlorobenzene	Ave	0.7815	0.7014		8.97	10.0	-10.2	30.0
Ethylbenzene	Ave	1.224	1.206		9.85	10.0	-1.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4459		18.3	20.0	-8.5	30.0
o-Xylene	Ave	0.4724	0.4387		9.29	10.0	-7.1	30.0
Styrene	Ave	0.7327	0.6921		9.44	10.0	-5.5	30.0
Bromoform	Ave	0.4668	0.5149		11.0	10.0	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6586		9.41	10.0	-5.9	30.0
4-Ethyltoluene	Ave	1.363	1.439		10.6	10.0	5.5	30.0
2-Chlorotoluene	Ave	1.217	1.293		10.6	10.0	6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.252		11.1	10.0	11.2	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.229		11.0	10.0	10.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7318		9.69	10.0	-3.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7020		9.45	10.0	-5.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6800		9.49	10.0	-5.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3406		9.37	10.0	-6.3	30.0
Hexachlorobutadiene	Ave	0.3274	0.3353		10.2	10.0	2.4	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr027.d
Lab Smp Id: ccvc 302592 Client Smp ID: ccvc 302592
Inj Date : 21-MAR-2012 10:47
Operator : pad Inst ID: C.i
Smp Info : ccvc 302592
Misc Info : 200,1, ccvc
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:18 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	712191	10.0000	12
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	663076	10.0000	9.5
5 Chloromethane	50	5.511	5.511	(0.497)	185333	10.0000	8.7
7 Vinyl chloride	62	5.762	5.767	(0.520)	212695	10.0000	8.4
8 1,3-Butadiene	54	5.836	5.842	(0.527)	158655	10.0000	8.3
9 Bromomethane	94	6.493	6.503	(0.586)	191248	10.0000	8.6
10 Chloroethane	64	6.690	6.696	(0.604)	104459	10.0000	8.3
12 Vinyl bromide	106	7.043	7.053	(0.636)	191141	10.0000	8.1
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	733451	10.0000	12
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.998	(0.722)	432721	10.0000	9.0
19 1,1-Dichloroethene	96	8.062	8.072	(0.728)	194882	10.0000	7.9(Q)
20 Acetone	43	8.179	8.190	(0.738)	306516	10.0000	11
21 Carbon disulfide	76	8.462	8.478	(0.764)	603114	10.0000	8.2
22 Isopropanol	45	8.318	8.334	(0.751)	221302	10.0000	9.7

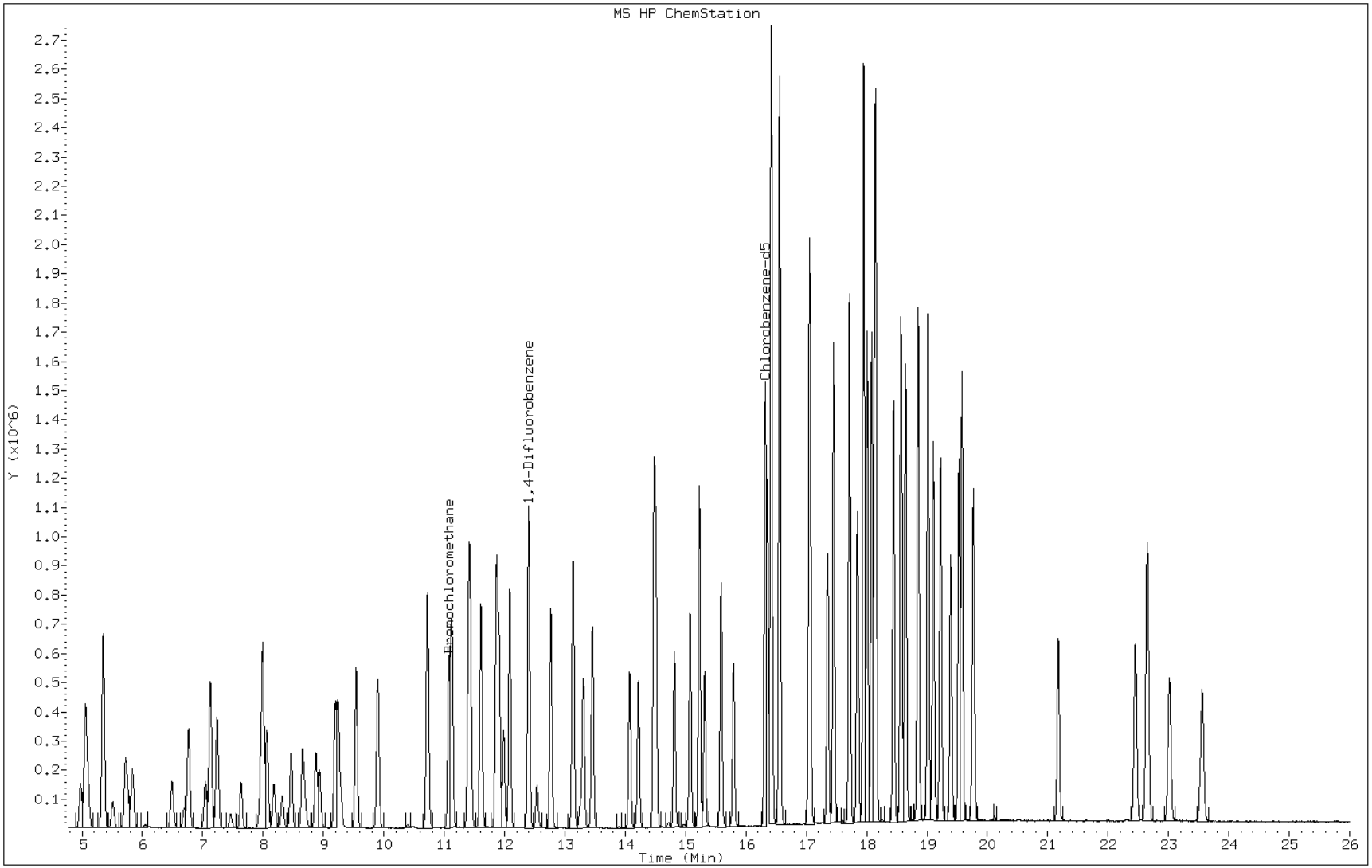
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	23 Allyl chloride	41	8.660	8.675	(0.782)	302174	10.0000	8.3(M)
	25 Methylene chloride	49	8.873	8.889	(0.801)	237556	10.0000	9.2
	26 Tert-butyl alcohol	59	8.937	8.953	(0.807)	363979	10.0000	11
	27 Methyl tert-butyl ether	73	9.199	9.215	(0.830)	669146	10.0000	9.8
	28 1,2-Dichloroethene (trans)	61	9.241	9.263	(0.834)	352427	10.0000	9.4
	30 n-Hexane	57	9.540	9.556	(0.861)	373331	10.0000	8.3
	31 1,1-Dichloroethane	63	9.908	9.924	(0.894)	442618	10.0000	9.3
	34 1,2-Dichloroethene (cis)	96	10.730	10.746	(0.969)	238929	10.0000	8.6
	36 Methyl Ethyl Ketone	72	10.720	10.736	(0.968)	99945	10.0000	8.2(Q)
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	205591	10.0000	
	38 Tetrahydrofuran	42	11.115	11.130	(0.896)	226347	10.0000	10
	39 Chloroform	83	11.131	11.146	(1.005)	574460	10.0000	11
	40 Cyclohexane	84	11.435	11.451	(0.922)	342079	10.0000	8.4
	41 1,1,1-Trichloroethane	97	11.408	11.424	(0.920)	685170	10.0000	12
	42 Carbon tetrachloride	117	11.606	11.621	(0.936)	701601	10.0000	13
	43 2,2,4-Trimethylpentane	57	11.867	11.883	(0.957)	1218834	10.0000	8.8
	44 Benzene	78	11.910	11.926	(0.960)	741764	10.0000	8.3
	45 1,2-Dichloroethane	62	11.985	12.006	(0.966)	410752	10.0000	12
	46 n-Heptane	43	12.086	12.102	(0.975)	464953	10.0000	9.2
*	47 1,4-Difluorobenzene	114	12.401	12.417	(1.000)	1185503	10.0000	
	49 Trichloroethene	95	12.769	12.785	(1.030)	368643	10.0000	9.6
	50 1,2-Dichloropropane	63	13.132	13.148	(1.059)	267001	10.0000	8.7(Q)
	51 Methyl methacrylate	69	13.143	13.159	(1.060)	237032	10.0000	9.3(Q)
	53 1,4-Dioxane	88	13.255	13.276	(1.069)	90378	10.0000	8.7
	54 Bromodichloromethane	83	13.458	13.479	(1.085)	662277	10.0000	11
	55 1,3-Dichloropropene (cis)	75	14.077	14.092	(1.135)	454119	10.0000	9.7
	56 Methyl isobutyl ketone	43	14.221	14.237	(1.147)	484256	10.0000	10
	58 Toluene	92	14.509	14.525	(0.889)	550676	10.0000	8.5
	59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	488444	10.0000	11
	60 1,1,2-Trichloroethane	83	15.075	15.090	(0.924)	263798	10.0000	8.9
	61 Tetrachloroethene	166	15.229	15.245	(0.933)	451336	10.0000	9.3
	63 Dibromochloromethane	129	15.592	15.608	(0.956)	624808	10.0000	11
	64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	519823	10.0000	9.6
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1075417	10.0000	
	66 Chlorobenzene	112	16.355	16.377	(1.002)	754140	10.0000	9.0
	68 Ethylbenzene	91	16.419	16.435	(1.006)	1296706	10.0000	9.9
	69 Xylene (m,p)	106	16.558	16.574	(1.015)	958804	20.0000	18(Q)
	71 Xylene (o)	106	17.049	17.065	(1.045)	471678	10.0000	9.3(Q)
	72 Styrene	104	17.065	17.086	(1.046)	744179	10.0000	9.4
	73 Bromoform	173	17.353	17.375	(1.063)	553603	10.0000	11
	75 1,1,2,2-Tetrachloroethane	83	17.850	17.866	(1.094)	708111	10.0000	9.4
	79 4-Ethyltoluene	105	18.079	18.100	(1.108)	1546966	10.0000	11
	80 2-Chlorotoluene	91	18.133	18.154	(1.111)	1389947	10.0000	11
	81 1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	1346344	10.0000	11
	84 1,2,4-Trimethylbenzene	105	18.645	18.661	(1.143)	1321825	10.0000	11
	87 1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	786872	10.0000	9.7
	88 1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	754771	10.0000	9.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.771	19.792	(1.212)	731083	10.0000	9.5
94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	366260	10.0000	9.4
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	360488	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr027.d	Date:	21-MAR-2012 10:47
Client ID:	ccvc 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302592		
Lab Sample ID:	ccvc 302592		



Manual Integration Report

Data File: ckqr027.d
Lab Sample ID: ccvc 302592
Inj. Date and Time: 21-MAR-2012 10:47
Instrument ID: C.i
Client ID: ccvc 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/21/2012

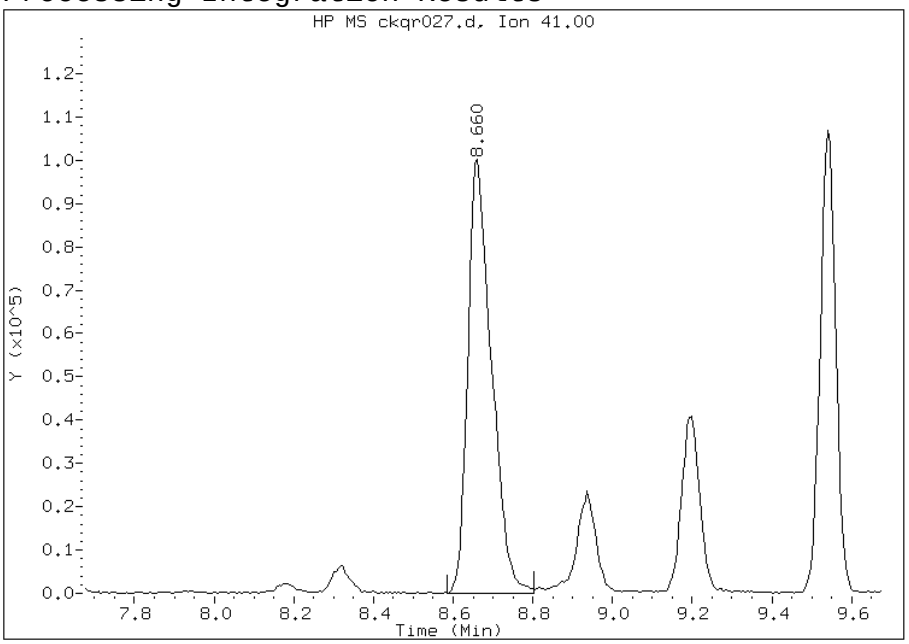
Processing Integration Results

RT: 8.66

Response: 413293

Amount: 11.42

Conc: 11.42



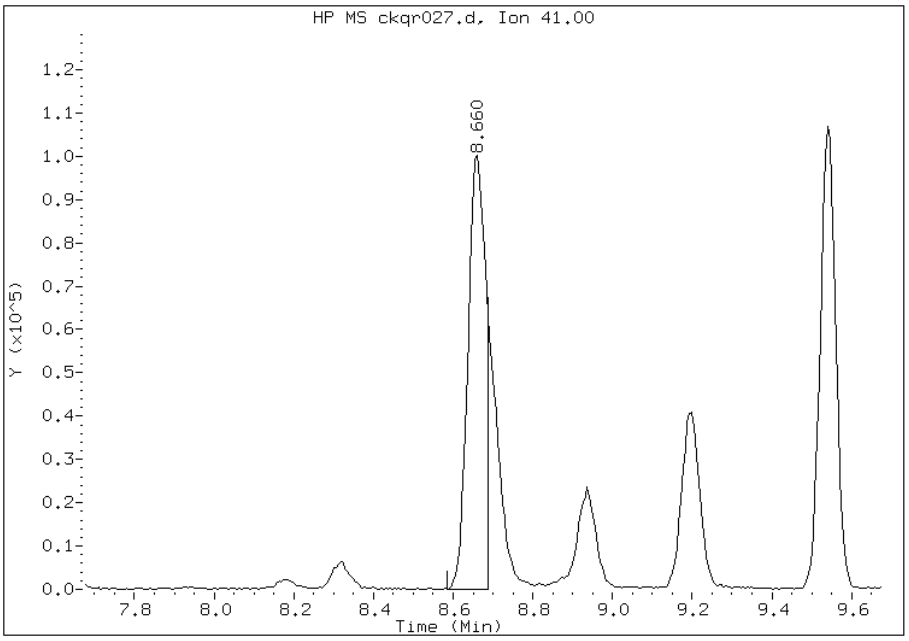
Manual Integration Results

RT: 8.66

Response: 302174

Amount: 8.35

Conc: 8.35



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-35786/2 Calibration Date: 03/27/2012 11:26

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.192		10.9	10.0	8.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.974		8.74	10.0	-12.6	30.0
Chloromethane	Ave	1.033	0.8036		7.77	10.0	-22.2	30.0
Vinyl chloride	Ave	1.233	0.9408		7.63	10.0	-23.7	30.0
1,3-Butadiene	Ave	0.9312	0.7043		7.56	10.0	-24.4	30.0
Bromomethane	Ave	1.085	0.8951		8.25	10.0	-17.5	30.0
Chloroethane	Ave	0.6096	0.4837		7.93	10.0	-20.6	30.0
Vinyl bromide	Ave	1.151	0.9371		8.14	10.0	-18.6	30.0
Trichlorofluoromethane	Ave	3.030	3.479		11.5	10.0	14.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.090		8.90	10.0	-11.0	30.0
1,1-Dichloroethene	Ave	1.199	0.9363		7.80	10.0	-21.9	30.0
Acetone	Ave	1.414	1.474		10.4	10.0	4.2	30.0
Isopropanol	Ave	1.106	1.062		9.60	10.0	-4.0	30.0
Carbon disulfide	Ave	3.589	2.869		7.99	10.0	-20.1	30.0
Allyl chloride	Ave	1.761	1.395		7.92	10.0	-20.8	30.0
Methylene Chloride	Ave	1.254	1.078		8.60	10.0	-14.0	30.0
tert-Butyl alcohol	Ave	1.571	1.600		10.2	10.0	1.8	30.0
Methyl tert-butyl ether	Ave	3.311	3.243		9.79	10.0	-2.0	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.660		9.09	10.0	-9.1	30.0
n-Hexane	Ave	2.177	1.750		8.04	10.0	-19.6	30.0
1,1-Dichloroethane	Ave	2.305	2.043		8.86	10.0	-11.4	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4778		8.02	10.0	-19.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.127		8.35	10.0	-16.5	30.0
Tetrahydrofuran	Ave	0.1887	0.1837		9.73	10.0	-2.7	30.0
Chloroform	Ave	2.638	2.694		10.2	10.0	2.1	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5643		11.9	10.0	18.8	30.0
Cyclohexane	Ave	0.3427	0.2817		8.22	10.0	-17.8	30.0
Carbon tetrachloride	Ave	0.4637	0.5738		12.4	10.0	23.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9885		8.48	10.0	-15.2	30.0
Benzene	Ave	0.7557	0.6110		8.08	10.0	-19.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3340		11.6	10.0	15.8	30.0
n-Heptane	Ave	0.4261	0.3747		8.79	10.0	-12.1	30.0
Trichloroethene	Ave	0.3252	0.3008		9.25	10.0	-7.5	30.0
1,2-Dichloropropane	Ave	0.2579	0.2172		8.42	10.0	-15.8	30.0
Methyl methacrylate	Ave	0.2143	0.2014		9.40	10.0	-6.0	30.0
1,4-Dioxane	Ave	0.0879	0.0805		9.16	10.0	-8.4	30.0
Bromodichloromethane	Ave	0.4956	0.5397		10.9	10.0	8.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3743		9.48	10.0	-5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-35786/2 Calibration Date: 03/27/2012 11:26

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.3939		9.95	10.0	-0.5	30.0
Toluene	Ave	0.6036	0.4876		8.08	10.0	-19.2	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4034		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2322		8.39	10.0	-16.1	30.0
Tetrachloroethene	Ave	0.4505	0.3964		8.80	10.0	-12.0	30.0
Dibromochloromethane	Ave	0.5267	0.5431		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.5058	0.4459		8.81	10.0	-11.8	30.0
Chlorobenzene	Ave	0.7815	0.6579		8.42	10.0	-15.8	30.0
Ethylbenzene	Ave	1.224	1.121		9.16	10.0	-8.4	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4104		16.8	20.0	-15.8	30.0
o-Xylene	Ave	0.4724	0.4011		8.49	10.0	-15.1	30.0
Styrene	Ave	0.7327	0.6334		8.64	10.0	-13.6	30.0
Bromoform	Ave	0.4668	0.4788		10.3	10.0	2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5824		8.32	10.0	-16.8	30.0
4-Ethyltoluene	Ave	1.363	1.293		9.49	10.0	-5.1	30.0
2-Chlorotoluene	Ave	1.217	1.164		9.56	10.0	-4.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.135		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.103		9.92	10.0	-0.8	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6505		8.61	10.0	-13.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6347		8.54	10.0	-14.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6095		8.51	10.0	-14.9	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2936		8.08	10.0	-19.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2830		8.64	10.0	-13.6	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw002.d
Lab Smp Id: ccvis 302592 Client Smp ID: ccvis 302592
Inj Date : 27-MAR-2012 11:26
Operator : pad Inst ID: C.i
Smp Info : ccvis 302592
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	716162	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.483)	667076	10.0000	8.7
5 Chloromethane	50	5.511	5.511	(0.498)	180280	10.0000	7.8
7 Vinyl chloride	62	5.767	5.767	(0.521)	211049	10.0000	7.6
8 1,3-Butadiene	54	5.836	5.842	(0.527)	158005	10.0000	7.6
9 Bromomethane	94	6.488	6.503	(0.586)	200803	10.0000	8.2
10 Chloroethane	64	6.690	6.696	(0.604)	108517	10.0000	7.9
12 Vinyl bromide	106	7.043	7.053	(0.636)	210218	10.0000	8.1
13 Trichlorofluoromethane	101	7.128	7.138	(0.644)	780561	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.998	(0.721)	468888	10.0000	8.9
19 1,1-Dichloroethene	96	8.057	8.072	(0.728)	210045	10.0000	7.8(Q)
20 Acetone	43	8.169	8.190	(0.738)	330736	10.0000	10
21 Carbon disulfide	76	8.462	8.478	(0.764)	643551	10.0000	8.0
22 Isopropanol	45	8.313	8.334	(0.751)	238269	10.0000	9.6

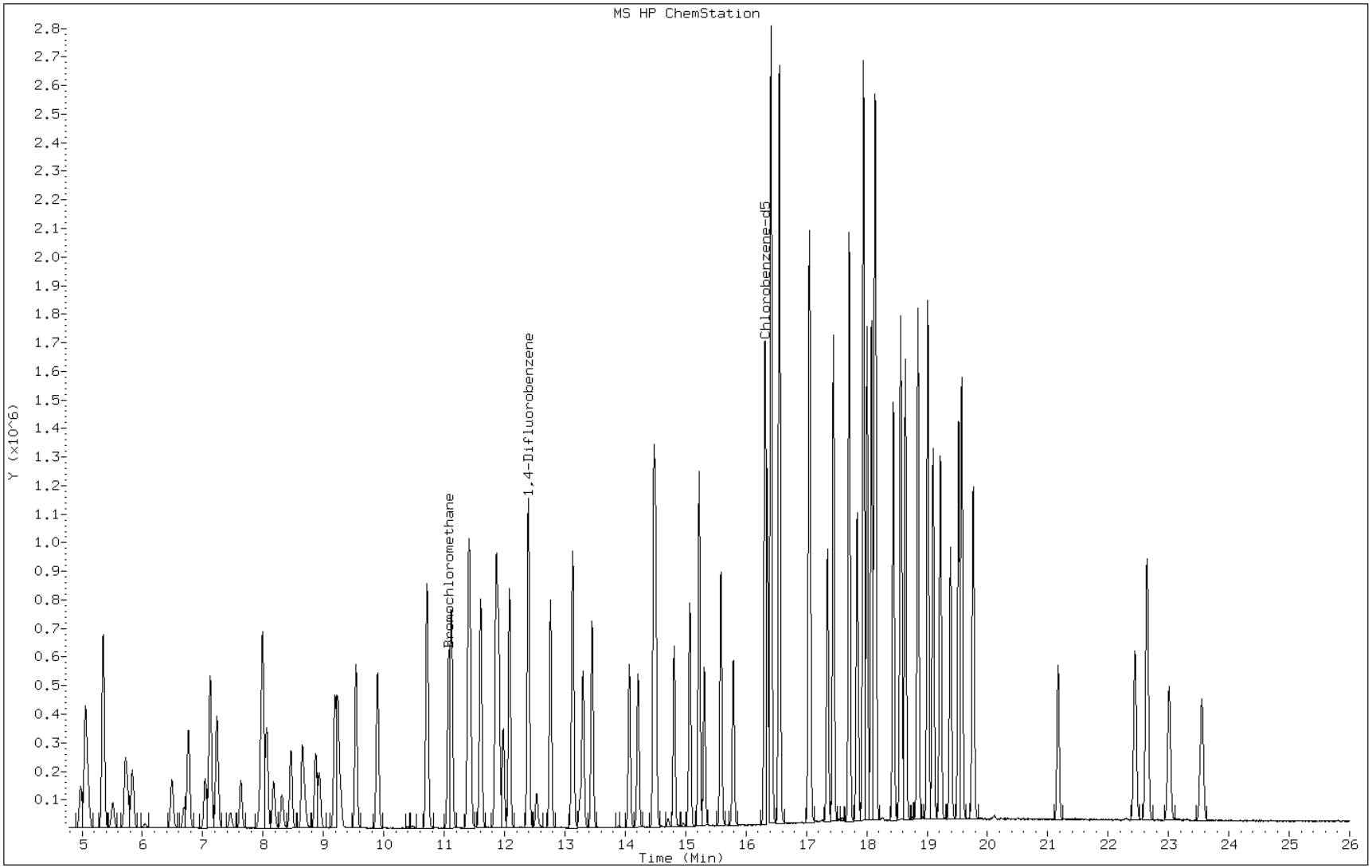
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.654	8.675	(0.782)	312943	10.0000	7.9(M)
25	Methylene chloride	49	8.868	8.889	(0.801)	241836	10.0000	8.6
26	Tert-butyl alcohol	59	8.932	8.953	(0.807)	358885	10.0000	10
27	Methyl tert-butyl ether	73	9.193	9.215	(0.830)	727502	10.0000	9.8
28	1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	372323	10.0000	9.1
30	n-Hexane	57	9.540	9.556	(0.862)	392548	10.0000	8.0
31	1,1-Dichloroethane	63	9.903	9.924	(0.894)	458354	10.0000	8.9
34	1,2-Dichloroethene (cis)	96	10.725	10.746	(0.969)	252886	10.0000	8.3
36	Methyl Ethyl Ketone	72	10.714	10.736	(0.968)	107191	10.0000	8.0(Q)
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	224381	10.0000	
38	Tetrahydrofuran	42	11.109	11.130	(0.896)	235431	10.0000	9.7
39	Chloroform	83	11.125	11.146	(1.005)	604331	10.0000	10
40	Cyclohexane	84	11.430	11.451	(0.922)	361118	10.0000	8.2
41	1,1,1-Trichloroethane	97	11.403	11.424	(0.920)	723221	10.0000	12
42	Carbon tetrachloride	117	11.600	11.621	(0.936)	735497	10.0000	12
43	2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1266946	10.0000	8.5
44	Benzene	78	11.905	11.926	(0.960)	783099	10.0000	8.1
45	1,2-Dichloroethane	62	11.979	12.006	(0.966)	428160	10.0000	12
46	n-Heptane	43	12.081	12.102	(0.975)	480227	10.0000	8.8
* 47	1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1281993	10.0000	
49	Trichloroethene	95	12.764	12.785	(1.030)	385515	10.0000	9.2
50	1,2-Dichloropropane	63	13.121	13.148	(1.059)	278358	10.0000	8.4(Q)
51	Methyl methacrylate	69	13.137	13.159	(1.060)	258138	10.0000	9.4(Q)
53	1,4-Dioxane	88	13.249	13.276	(1.069)	103178	10.0000	9.2
54	Bromodichloromethane	83	13.452	13.479	(1.085)	691717	10.0000	11
55	1,3-Dichloropropene (cis)	75	14.066	14.092	(1.135)	479709	10.0000	9.5
56	Methyl isobutyl ketone	43	14.215	14.237	(1.147)	504826	10.0000	10
58	Toluene	92	14.504	14.525	(0.889)	591543	10.0000	8.1
59	1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	517091	10.0000	11
60	1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	281719	10.0000	8.4
61	Tetrachloroethene	166	15.224	15.245	(0.933)	480849	10.0000	8.8
63	Dibromochloromethane	129	15.587	15.608	(0.956)	658870	10.0000	10
64	1,2-Dibromoethane	107	15.790	15.811	(0.968)	540898	10.0000	8.8
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1213301	10.0000	
66	Chlorobenzene	112	16.350	16.377	(1.002)	798024	10.0000	8.4
68	Ethylbenzene	91	16.414	16.435	(1.006)	1359999	10.0000	9.2
69	Xylene (m,p)	106	16.553	16.574	(1.015)	995613	20.0000	17(Q)
71	Xylene (o)	106	17.044	17.065	(1.045)	486569	10.0000	8.5(Q)
72	Styrene	104	17.065	17.086	(1.046)	768355	10.0000	8.6
73	Bromoform	173	17.348	17.375	(1.063)	580867	10.0000	10
75	1,1,2,2-Tetrachloroethane	83	17.845	17.866	(1.094)	706445	10.0000	8.3
79	4-Ethyltoluene	105	18.079	18.100	(1.108)	1568825	10.0000	9.5
80	2-Chlorotoluene	91	18.127	18.154	(1.111)	1412039	10.0000	9.6
81	1,3,5-Trimethylbenzene	105	18.149	18.170	(1.113)	1377238	10.0000	10
84	1,2,4-Trimethylbenzene	105	18.640	18.661	(1.143)	1338559	10.0000	9.9
87	1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	789081	10.0000	8.6
88	1,4-Dichlorobenzene	146	19.221	19.248	(1.178)	769949	10.0000	8.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.212)	739371	10.0000	8.5
94 1,2,4-Trichlorobenzene	180	22.445	22.487	(1.376)	356166	10.0000	8.1
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	343289	10.0000	8.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqw002.d	Date:	27-MAR-2012 11:26
Client ID:	ccvis 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302592		
Lab Sample ID:	ccvis 302592		



Manual Integration Report

Data File: ckqw002.d
Lab Sample ID: ccvis 302592
Inj. Date and Time: 27-MAR-2012 11:26
Instrument ID: C.i
Client ID: ccvis 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/28/2012

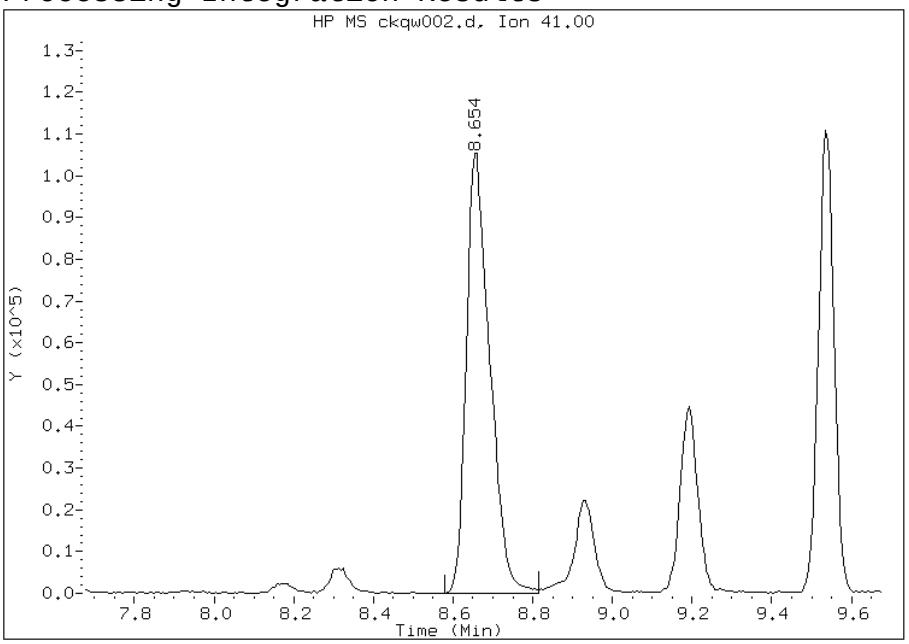
Processing Integration Results

RT: 8.65

Response: 432066

Amount: 10.93

Conc: 10.93



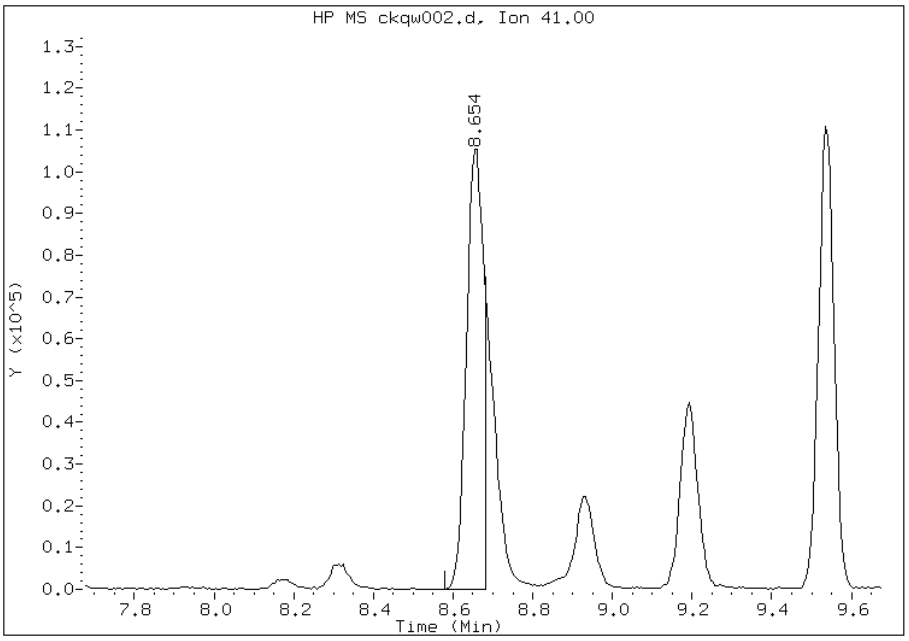
Manual Integration Results

RT: 8.65

Response: 312943

Amount: 7.92

Conc: 7.92



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-35786/28 Calibration Date: 03/28/2012 09:40

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.337		11.4	10.0	13.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.107		9.13	10.0	-8.7	30.0
Chloromethane	Ave	1.033	0.8414		8.14	10.0	-18.6	30.0
Vinyl chloride	Ave	1.233	0.9939		8.06	10.0	-19.4	30.0
1,3-Butadiene	Ave	0.9312	0.7348		7.89	10.0	-21.1	30.0
Bromomethane	Ave	1.085	0.9463		8.72	10.0	-12.8	30.0
Chloroethane	Ave	0.6096	0.5118		8.39	10.0	-16.0	30.0
Vinyl bromide	Ave	1.151	0.9476		8.23	10.0	-17.7	30.0
Trichlorofluoromethane	Ave	3.030	3.640		12.0	10.0	20.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.140		9.11	10.0	-8.9	30.0
1,1-Dichloroethene	Ave	1.199	0.9414		7.85	10.0	-21.5	30.0
Acetone	Ave	1.414	1.606		11.4	10.0	13.5	30.0
Isopropanol	Ave	1.106	1.072		9.69	10.0	-3.1	30.0
Carbon disulfide	Ave	3.589	2.937		8.18	10.0	-18.2	30.0
Allyl chloride	Ave	1.761	2.072		11.8	10.0	17.7	30.0
Methylene Chloride	Ave	1.254	1.142		9.11	10.0	-8.9	30.0
tert-Butyl alcohol	Ave	1.571	1.702		10.8	10.0	8.3	30.0
Methyl tert-butyl ether	Ave	3.311	3.420		10.3	10.0	3.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.723		9.43	10.0	-5.6	30.0
n-Hexane	Ave	2.177	1.827		8.39	10.0	-16.1	30.0
1,1-Dichloroethane	Ave	2.305	2.150		9.33	10.0	-6.7	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5063		8.50	10.0	-15.0	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.149		8.51	10.0	-14.9	30.0
Tetrahydrofuran	Ave	0.1887	0.1952		10.3	10.0	3.4	30.0
Chloroform	Ave	2.638	2.781		10.5	10.0	5.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5849		12.3	10.0	23.1	30.0
Cyclohexane	Ave	0.3427	0.2885		8.42	10.0	-15.8	30.0
Carbon tetrachloride	Ave	0.4637	0.6005		12.9	10.0	29.5	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.030		8.84	10.0	-11.6	30.0
Benzene	Ave	0.7557	0.6254		8.27	10.0	-17.3	30.0
1,2-Dichloroethane	Ave	0.2884	0.3510		12.2	10.0	21.7	30.0
n-Heptane	Ave	0.4261	0.3959		9.29	10.0	-7.1	30.0
Trichloroethene	Ave	0.3252	0.3045		9.36	10.0	-6.4	30.0
1,2-Dichloropropane	Ave	0.2579	0.2252		8.73	10.0	-12.7	30.0
Methyl methacrylate	Ave	0.2143	0.2112		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.0879	0.0780		8.87	10.0	-11.3	30.0
Bromodichloromethane	Ave	0.4956	0.5605		11.3	10.0	13.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3897		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-35786/28 Calibration Date: 03/28/2012 09:40

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.4274		10.8	10.0	8.0	30.0
Toluene	Ave	0.6036	0.4858		8.05	10.0	-19.5	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4227		11.2	10.0	11.9	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2321		8.38	10.0	-16.1	30.0
Tetrachloroethene	Ave	0.4505	0.3907		8.67	10.0	-13.3	30.0
Dibromochloromethane	Ave	0.5267	0.5458		10.4	10.0	3.6	30.0
1,2-Dibromoethane	Ave	0.5058	0.4516		8.93	10.0	-10.7	30.0
Chlorobenzene	Ave	0.7815	0.6537		8.36	10.0	-16.4	30.0
Ethylbenzene	Ave	1.224	1.142		9.33	10.0	-6.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4192		17.2	20.0	-14.0	30.0
o-Xylene	Ave	0.4724	0.4082		8.64	10.0	-13.6	30.0
Styrene	Ave	0.7327	0.6415		8.75	10.0	-12.4	30.0
Bromoform	Ave	0.4668	0.4863		10.4	10.0	4.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6000		8.57	10.0	-14.3	30.0
4-Ethyltoluene	Ave	1.363	1.343		9.85	10.0	-1.5	30.0
2-Chlorotoluene	Ave	1.217	1.213		9.96	10.0	-0.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.149		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.135		10.2	10.0	2.0	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6689		8.86	10.0	-11.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6467		8.70	10.0	-12.9	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6230		8.70	10.0	-13.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2938		8.08	10.0	-19.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2909		8.88	10.0	-11.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw028.d
Lab Smp Id: ccvc 302592 Client Smp ID: ccvc 302592
Inj Date : 28-MAR-2012 09:40
Operator : pad Inst ID: C.i
Smp Info : ccvc 302592
Misc Info : 200,1, ccvc
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:31 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.456)	670511	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	624266	10.0000	9.1
5 Chloromethane	50	5.511	5.511	(0.498)	169080	10.0000	8.1
7 Vinyl chloride	62	5.762	5.767	(0.520)	199717	10.0000	8.1
8 1,3-Butadiene	54	5.831	5.842	(0.527)	147652	10.0000	7.9
9 Bromomethane	94	6.488	6.503	(0.586)	190145	10.0000	8.7
10 Chloroethane	64	6.690	6.696	(0.604)	102835	10.0000	8.4
12 Vinyl bromide	106	7.043	7.053	(0.636)	190415	10.0000	8.2
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	731348	10.0000	12
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.998	(0.721)	429981	10.0000	9.1
19 1,1-Dichloroethene	96	8.057	8.072	(0.728)	189168	10.0000	7.8(Q)
20 Acetone	43	8.169	8.190	(0.738)	322653	10.0000	11
21 Carbon disulfide	76	8.462	8.478	(0.764)	590193	10.0000	8.2
22 Isopropanol	45	8.307	8.334	(0.750)	215384	10.0000	9.7

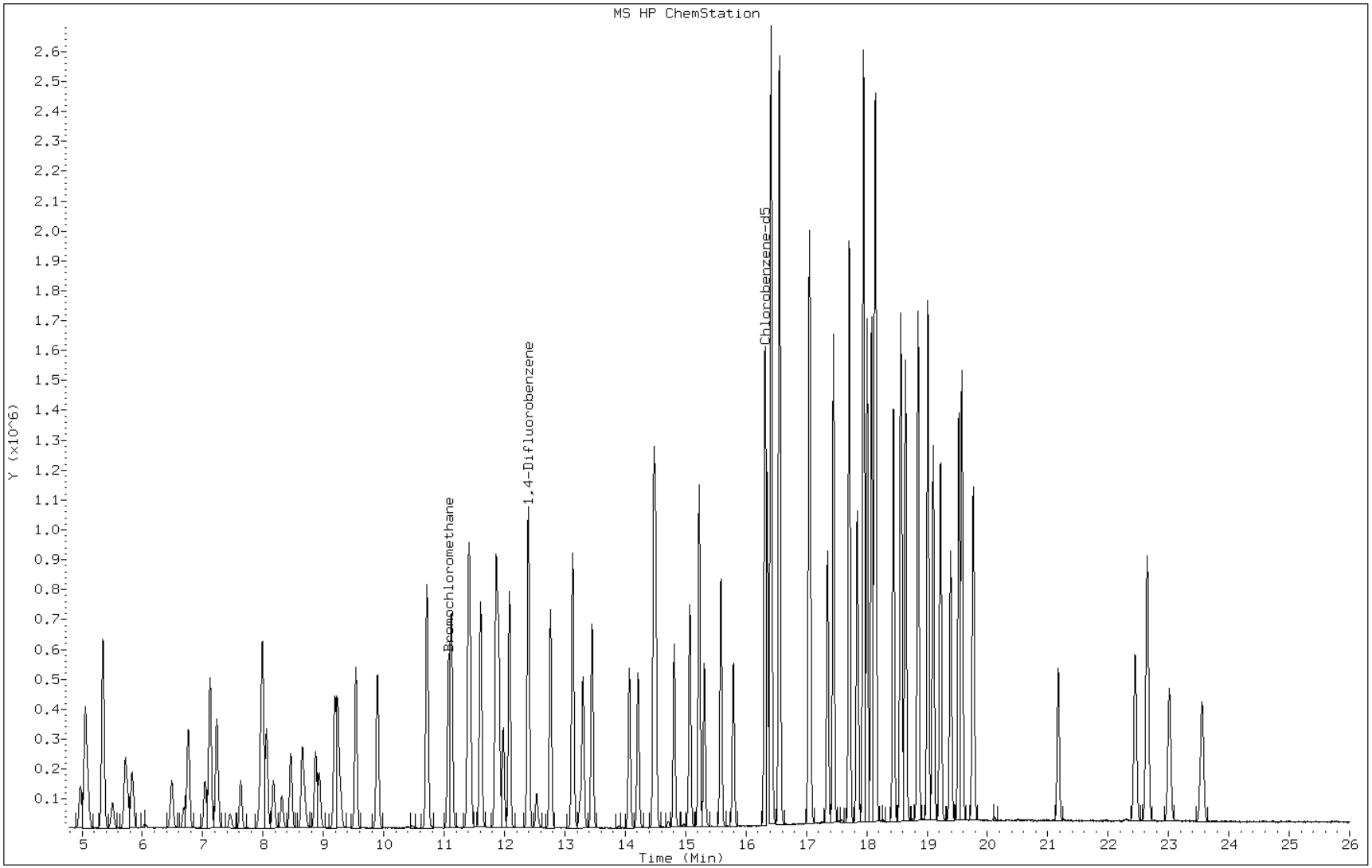
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	23 Allyl chloride	41	8.654	8.675	(0.782)	416342	10.0000	12
	25 Methylene chloride	49	8.868	8.889	(0.801)	229479	10.0000	9.1
	26 Tert-butyl alcohol	59	8.927	8.953	(0.806)	342048	10.0000	11
	27 Methyl tert-butyl ether	73	9.193	9.215	(0.830)	687171	10.0000	10
	28 1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	346278	10.0000	9.4
	30 n-Hexane	57	9.535	9.556	(0.861)	367160	10.0000	8.4
	31 1,1-Dichloroethane	63	9.903	9.924	(0.894)	432047	10.0000	9.3
	34 1,2-Dichloroethene (cis)	96	10.725	10.746	(0.969)	230933	10.0000	8.5
	36 Methyl Ethyl Ketone	72	10.709	10.736	(0.967)	101731	10.0000	8.5(Q)
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	200984	10.0000	
	38 Tetrahydrofuran	42	11.104	11.130	(0.896)	226288	10.0000	10
	39 Chloroform	83	11.125	11.146	(1.005)	558815	10.0000	11
	40 Cyclohexane	84	11.430	11.451	(0.922)	334552	10.0000	8.4
	41 1,1,1-Trichloroethane	97	11.403	11.424	(0.920)	678189	10.0000	12
	42 Carbon tetrachloride	117	11.600	11.621	(0.936)	696334	10.0000	13
	43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1194706	10.0000	8.8
	44 Benzene	78	11.904	11.926	(0.960)	725132	10.0000	8.3
	45 1,2-Dichloroethane	62	11.979	12.006	(0.966)	407024	10.0000	12
	46 n-Heptane	43	12.081	12.102	(0.975)	459107	10.0000	9.3
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1159792	10.0000	
	49 Trichloroethene	95	12.764	12.785	(1.030)	353090	10.0000	9.4
	50 1,2-Dichloropropane	63	13.127	13.148	(1.059)	261123	10.0000	8.7(Q)
	51 Methyl methacrylate	69	13.137	13.159	(1.060)	244911	10.0000	9.9(Q)
	53 1,4-Dioxane	88	13.244	13.276	(1.068)	90440	10.0000	8.9
	54 Bromodichloromethane	83	13.452	13.479	(1.085)	649898	10.0000	11
	55 1,3-Dichloropropene (cis)	75	14.066	14.092	(1.135)	451926	10.0000	9.9
	56 Methyl isobutyl ketone	43	14.215	14.237	(1.147)	495636	10.0000	11
	58 Toluene	92	14.504	14.525	(0.889)	548148	10.0000	8.0
	59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	490109	10.0000	11
	60 1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	261856	10.0000	8.4
	61 Tetrachloroethene	166	15.224	15.245	(0.933)	440892	10.0000	8.7
	63 Dibromochloromethane	129	15.587	15.608	(0.956)	615896	10.0000	10
	64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	509636	10.0000	8.9
*	65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	1128639	10.0000	
	66 Chlorobenzene	112	16.355	16.377	(1.003)	737635	10.0000	8.4
	68 Ethylbenzene	91	16.414	16.435	(1.006)	1288385	10.0000	9.3
	69 Xylene (m,p)	106	16.553	16.574	(1.015)	946048	20.0000	17(Q)
	71 Xylene (o)	106	17.044	17.065	(1.045)	460656	10.0000	8.6(Q)
	72 Styrene	104	17.065	17.086	(1.046)	723909	10.0000	8.8
	73 Bromoform	173	17.348	17.375	(1.063)	548709	10.0000	10
	75 1,1,2,2-Tetrachloroethane	83	17.844	17.866	(1.094)	677092	10.0000	8.6
	79 4-Ethyltoluene	105	18.079	18.100	(1.108)	1515453	10.0000	9.9
	80 2-Chlorotoluene	91	18.133	18.154	(1.112)	1368682	10.0000	10
	81 1,3,5-Trimethylbenzene	105	18.149	18.170	(1.113)	1297070	10.0000	10
	84 1,2,4-Trimethylbenzene	105	18.640	18.661	(1.143)	1280958	10.0000	10
	87 1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	754817	10.0000	8.9
	88 1,4-Dichlorobenzene	146	19.227	19.248	(1.179)	729759	10.0000	8.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.212)	703026	10.0000	8.7
94 1,2,4-Trichlorobenzene	180	22.445	22.487	(1.376)	331578	10.0000	8.1
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	328252	10.0000	8.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqw028.d	Date:	28-MAR-2012 09:40
Client ID:	ccvc 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302592		
Lab Sample ID:	ccvc 302592		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-34961/2 Calibration Date: 03/13/2012 10:50

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.103	3.965		9.66	10.0	-3.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.016	3.713		9.25	10.0	-7.5	30.0
Chloromethane	Ave	0.9760	0.8671		8.88	10.0	-11.2	30.0
Vinyl chloride	Ave	1.162	1.069		9.20	10.0	-7.9	30.0
1,3-Butadiene	Ave	0.7780	0.7189		9.24	10.0	-7.6	30.0
Bromomethane	Ave	1.262	1.182		9.37	10.0	-6.3	30.0
Chloroethane	Ave	0.5062	0.4693		9.27	10.0	-7.3	30.0
Vinyl bromide	Ave	1.246	1.199		9.62	10.0	-3.8	30.0
Trichlorofluoromethane	Ave	3.858	3.725		9.66	10.0	-3.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.379	2.294		9.64	10.0	-3.6	30.0
1,1-Dichloroethene	Ave	1.026	0.9734		9.49	10.0	-5.1	30.0
Acetone	Ave	1.188	1.172		9.87	10.0	-1.3	30.0
Carbon disulfide	Ave	3.051	2.939		9.63	10.0	-3.7	30.0
Isopropanol	Ave	0.8470	0.8402		9.92	10.0	-0.8	30.0
Allyl chloride	Ave	0.996	0.9769		9.80	10.0	-1.9	30.0
Methylene Chloride	Ave	0.9700	0.9513		9.81	10.0	-1.9	30.0
tert-Butyl alcohol	Ave	1.407	1.400		9.95	10.0	-0.5	30.0
1,2-Dichloroethene, trans-	Ave	1.498	1.437		9.59	10.0	-4.1	30.0
Methyl tert-butyl ether	Ave	2.628	2.685		10.2	10.0	2.2	30.0
n-Hexane	Ave	1.262	1.224		9.70	10.0	-3.0	30.0
1,1-Dichloroethane	Ave	1.722	1.667		9.68	10.0	-3.2	30.0
1,2-Dichloroethene, cis-	Ave	1.028	1.011		9.84	10.0	-1.6	30.0
Methyl Ethyl Ketone	Ave	0.3803	0.3409		8.96	10.0	-10.4	30.0
Tetrahydrofuran	Ave	0.1627	0.1708		10.5	10.0	4.9	30.0
Chloroform	Ave	2.246	2.182		9.71	10.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	0.7585	0.7107		9.37	10.0	-6.3	30.0
Cyclohexane	Ave	0.3316	0.3020		9.11	10.0	-8.9	30.0
Carbon tetrachloride	Ave	0.8628	0.8025		9.30	10.0	-7.0	30.0
2,2,4-Trimethylpentane	Ave	1.045	0.9561		9.15	10.0	-8.5	30.0
Benzene	Ave	0.6631	0.6120		9.23	10.0	-7.7	30.0
1,2-Dichloroethane	Ave	0.3453	0.3287		9.52	10.0	-4.8	30.0
n-Heptane	Ave	0.3216	0.2982		9.27	10.0	-7.3	30.0
Trichloroethene	Ave	0.3310	0.3007		9.08	10.0	-9.1	30.0
1,2-Dichloropropane	Ave	0.2129	0.1999		9.38	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1807	0.1742		9.64	10.0	-3.6	30.0
1,4-Dioxane	Ave	0.0868	0.0772		8.90	10.0	-11.0	30.0
Bromodichloromethane	Ave	0.5633	0.5295		9.40	10.0	-6.0	30.0
1,3-Dichloropropene, cis-	Ave	0.3118	0.2938		9.42	10.0	-5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVIS 200-34961/2 Calibration Date: 03/13/2012 10:50

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3288	0.3266		9.93	10.0	-0.7	30.0
Toluene	Ave	0.4697	0.4367		9.30	10.0	-7.0	30.0
1,3-Dichloropropene, trans-	Ave	0.3160	0.2993		9.47	10.0	-5.3	30.0
1,1,2-Trichloroethane	Ave	0.2338	0.2152		9.20	10.0	-7.9	30.0
Tetrachloroethene	Ave	0.5317	0.4825		9.07	10.0	-9.2	30.0
Dibromochloromethane	Ave	0.6439	0.5931		9.21	10.0	-7.9	30.0
1,2-Dibromoethane	Ave	0.4448	0.4075		9.16	10.0	-8.4	30.0
Chlorobenzene	Ave	0.6178	0.5616		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	0.9868	0.9443		9.57	10.0	-4.3	30.0
m-Xylene & p-Xylene	Ave	0.3906	0.3777		19.3	20.0	-3.3	30.0
o-Xylene	Ave	0.4156	0.3872		9.32	10.0	-6.8	30.0
Styrene	Ave	0.5284	0.5182		9.81	10.0	-1.9	30.0
Bromoform	Ave	0.6292	0.5909		9.39	10.0	-6.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6000	0.5539		9.23	10.0	-7.7	30.0
4-Ethyltoluene	Ave	1.065	1.048		9.84	10.0	-1.6	30.0
2-Chlorotoluene	Ave	1.080	0.999		9.24	10.0	-7.5	30.0
1,3,5-Trimethylbenzene	Ave	0.9905	0.9516		9.61	10.0	-3.9	30.0
1,2,4-Trimethylbenzene	Ave	0.9399	0.9129		9.71	10.0	-2.9	30.0
1,3-Dichlorobenzene	Ave	0.5916	0.5426		9.17	10.0	-8.3	30.0
1,4-Dichlorobenzene	Ave	0.5482	0.4922		8.98	10.0	-10.2	30.0
1,2-Dichlorobenzene	Ave	0.5989	0.5506		9.19	10.0	-8.1	30.0
1,2,4-Trichlorobenzene	Ave	0.2529	0.2069		8.18	10.0	-18.2	30.0
Hexachlorobutadiene	Ave	0.5660	0.5258		9.29	10.0	-7.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh002.d
Lab Smp Id: ccvis 302593 Client Smp ID: ccvis 302593
Inj Date : 13-MAR-2012 10:50
Operator : pad Inst ID: G.i
Smp Info : ccvis 302593
Misc Info : 200,1, ccvis
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.365)	3107152	10.0000	9.7
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	2909928	10.0000	9.2
5 Chloromethane	50	4.306	4.311	(0.413)	679496	10.0000	8.9
7 Vinyl chloride	62	4.595	4.605	(0.441)	838017	10.0000	9.2
8 1,3-Butadiene	54	4.686	4.696	(0.450)	563376	10.0000	9.2
9 Bromomethane	94	5.429	5.440	(0.521)	926503	10.0000	9.4
10 Chloroethane	64	5.665	5.681	(0.544)	367733	10.0000	9.3
12 Vinyl bromide	106	6.061	6.071	(0.582)	939332	10.0000	9.6
13 Trichlorofluoromethane	101	6.162	6.173	(0.592)	2919297	10.0000	9.7
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.152	7.168	(0.687)	1797522	10.0000	9.6
19 1,1-Dichloroethene	96	7.206	7.221	(0.692)	762768	10.0000	9.5
20 Acetone	43	7.393	7.414	(0.710)	918414	10.0000	9.9
21 Carbon disulfide	76	7.596	7.612	(0.729)	2302729	10.0000	9.6
22 Isopropanol	45	7.671	7.687	(0.736)	658417	10.0000	9.9

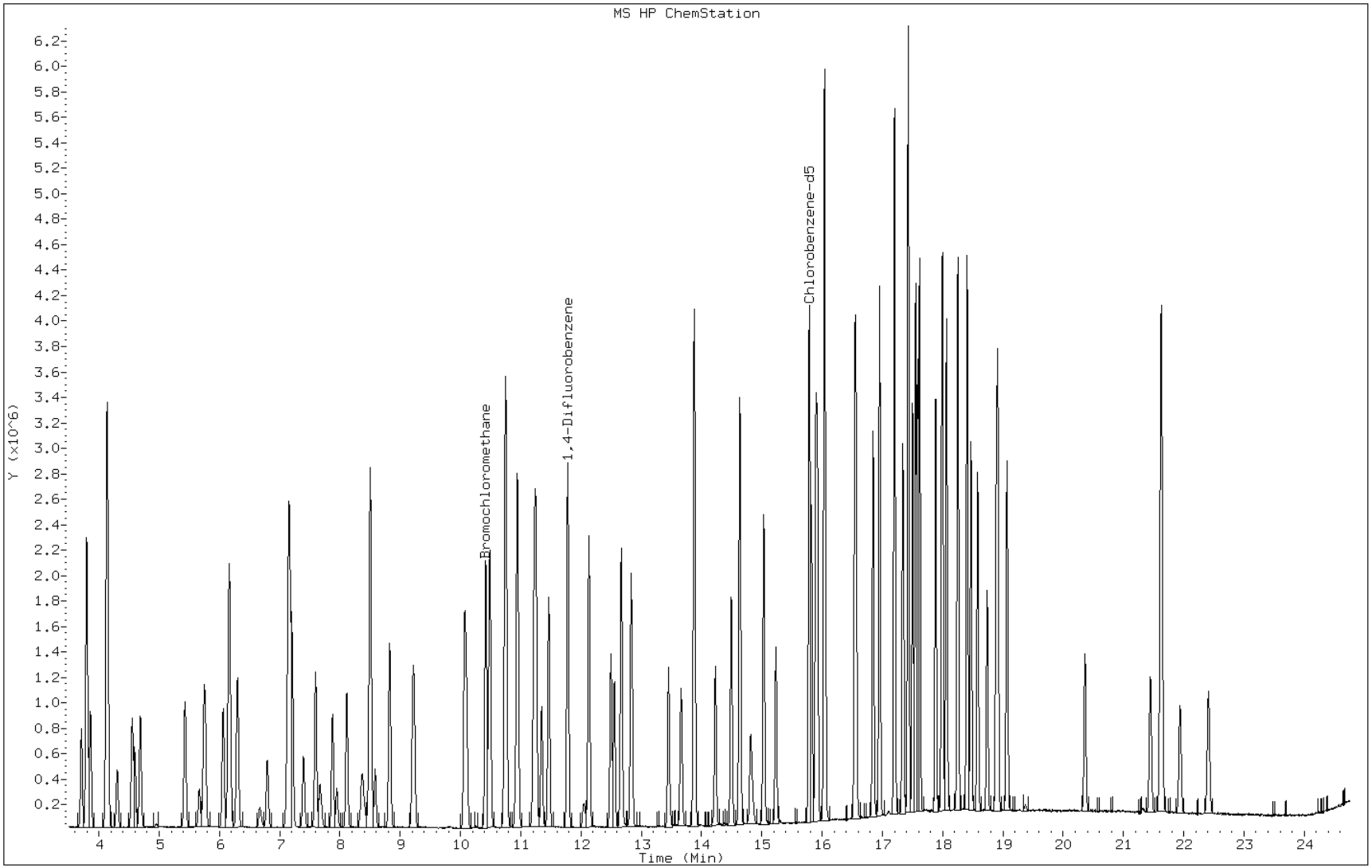
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.880	7.890	(0.757)	765519	10.0000	9.8
25	Methylene chloride	49	8.110	8.126	(0.779)	745433	10.0000	9.8
26	Tert-butyl alcohol	59	8.361	8.388	(0.803)	1097301	10.0000	9.9
27	Methyl tert-butyl ether	73	8.500	8.516	(0.816)	2104159	10.0000	10
28	1,2-Dichloroethene (trans)	61	8.500	8.516	(0.816)	1125883	10.0000	9.6
30	n-Hexane	57	8.826	8.837	(0.847)	959513	10.0000	9.7
31	1,1-Dichloroethane	63	9.206	9.222	(0.884)	1305974	10.0000	9.7
34	1,2-Dichloroethene (cis)	96	10.068	10.084	(0.967)	792612	10.0000	9.8
36	Methyl Ethyl Ketone	72	10.089	10.100	(0.969)	267126	10.0000	9.0(Q)
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	783771	10.0000	
38	Tetrahydrofuran	42	10.469	10.485	(0.889)	528172	10.0000	10
39	Chloroform	83	10.485	10.501	(1.007)	1709861	10.0000	9.7
40	Cyclohexane	84	10.758	10.774	(0.913)	934075	10.0000	9.1
41	1,1,1-Trichloroethane	97	10.747	10.758	(0.912)	2198359	10.0000	9.4
42	Carbon tetrachloride	117	10.940	10.956	(0.929)	2482370	10.0000	9.3
43	2,2,4-Trimethylpentane	57	11.223	11.239	(0.953)	2957574	10.0000	9.2
44	Benzene	78	11.255	11.271	(0.955)	1893026	10.0000	9.2
45	1,2-Dichloroethane	62	11.346	11.362	(0.963)	1016834	10.0000	9.5
46	n-Heptane	43	11.464	11.474	(0.973)	922384	10.0000	9.3
* 47	1,4-Difluorobenzene	114	11.780	11.790	(1.000)	3093858	10.0000	
49	Trichloroethene	95	12.133	12.143	(1.030)	930137	10.0000	9.1
50	1,2-Dichloropropane	63	12.496	12.512	(1.061)	618247	10.0000	9.4
51	Methyl methacrylate	69	12.555	12.566	(1.066)	538746	10.0000	9.6
53	1,4-Dioxane	88	12.668	12.678	(1.075)	238937	10.0000	8.9
54	Bromodichloromethane	83	12.833	12.849	(1.089)	1637821	10.0000	9.4
55	1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	908924	10.0000	9.4
56	Methyl isobutyl ketone	43	13.657	13.673	(1.159)	1010360	10.0000	9.9
58	Toluene	92	13.882	13.898	(0.879)	1247977	10.0000	9.3
59	1,3-Dichloropropene (trans)	75	14.230	14.240	(1.208)	925804	10.0000	9.5
60	1,1,2-Trichloroethane	83	14.492	14.508	(0.918)	615147	10.0000	9.2
61	Tetrachloroethene	166	14.636	14.647	(0.927)	1379155	10.0000	9.1
63	Dibromochloromethane	129	15.032	15.043	(0.952)	1695172	10.0000	9.2
64	1,2-Dibromoethane	107	15.235	15.246	(0.965)	1164530	10.0000	9.2
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2858643	10.0000	
66	Chlorobenzene	112	15.824	15.834	(1.002)	1605020	10.0000	9.1
68	Ethylbenzene	91	15.899	15.909	(1.007)	2698785	10.0000	9.6
69	Xylene (m,p)	106	16.043	16.054	(1.016)	2159186	20.0000	19
71	Xylene (o)	106	16.546	16.557	(1.048)	1106742	10.0000	9.3
72	Styrene	104	16.567	16.578	(1.049)	1481052	10.0000	9.8
73	Bromoform	173	16.846	16.856	(1.067)	1688898	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	17.343	17.354	(1.099)	1583124	10.0000	9.2
79	4-Ethyltoluene	105	17.552	17.562	(1.112)	2996213	10.0000	9.8
80	2-Chlorotoluene	91	17.584	17.595	(1.114)	2853986	10.0000	9.2
81	1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	2719697	10.0000	9.6
84	1,2,4-Trimethylbenzene	105	18.060	18.071	(1.144)	2609196	10.0000	9.7
87	1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	1550918	10.0000	9.2
88	1,4-Dichlorobenzene	146	18.584	18.595	(1.177)	1406707	10.0000	9.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	1573584	10.0000	9.2
94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	591262	10.0000	8.2
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	1502636	10.0000	9.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh002.d	Date:	13-MAR-2012 10:50
Client ID:	ccvis 302593	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302593		
Lab Sample ID:	ccvis 302593		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-34961/23 Calibration Date: 03/14/2012 04:17

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh023.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.103	4.008		9.77	10.0	-2.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.016	3.725		9.27	10.0	-7.2	30.0
Chloromethane	Ave	0.9760	0.8700		8.91	10.0	-10.9	30.0
Vinyl chloride	Ave	1.162	1.056		9.09	10.0	-9.1	30.0
1,3-Butadiene	Ave	0.7780	0.7096		9.12	10.0	-8.8	30.0
Bromomethane	Ave	1.262	1.162		9.20	10.0	-8.0	30.0
Chloroethane	Ave	0.5062	0.4590		9.07	10.0	-9.3	30.0
Vinyl bromide	Ave	1.246	1.161		9.32	10.0	-6.8	30.0
Trichlorofluoromethane	Ave	3.858	3.711		9.62	10.0	-3.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.379	2.259		9.50	10.0	-5.0	30.0
1,1-Dichloroethene	Ave	1.026	0.9577		9.33	10.0	-6.7	30.0
Acetone	Ave	1.188	1.105		9.30	10.0	-7.0	30.0
Carbon disulfide	Ave	3.051	2.893		9.48	10.0	-5.2	30.0
Isopropanol	Ave	0.8470	0.8311		9.81	10.0	-1.9	30.0
Allyl chloride	Ave	0.996	0.9240		9.27	10.0	-7.2	30.0
Methylene Chloride	Ave	0.9700	0.9508		9.80	10.0	-2.0	30.0
tert-Butyl alcohol	Ave	1.407	1.381		9.81	10.0	-1.9	30.0
1,2-Dichloroethene, trans-	Ave	1.498	1.415		9.44	10.0	-5.5	30.0
Methyl tert-butyl ether	Ave	2.628	2.528		9.62	10.0	-3.8	30.0
n-Hexane	Ave	1.262	1.191		9.43	10.0	-5.6	30.0
1,1-Dichloroethane	Ave	1.722	1.592		9.25	10.0	-7.5	30.0
1,2-Dichloroethene, cis-	Ave	1.028	0.9356		9.10	10.0	-9.0	30.0
Methyl Ethyl Ketone	Ave	0.3803	0.3104		8.16	10.0	-18.4	30.0
Tetrahydrofuran	Ave	0.1627	0.1718		10.6	10.0	5.6	30.0
Chloroform	Ave	2.246	2.083		9.27	10.0	-7.3	30.0
1,1,1-Trichloroethane	Ave	0.7585	0.7555		9.96	10.0	-0.4	30.0
Cyclohexane	Ave	0.3316	0.3255		9.81	10.0	-1.8	30.0
Carbon tetrachloride	Ave	0.8628	0.8742		10.1	10.0	1.3	30.0
2,2,4-Trimethylpentane	Ave	1.045	1.006		9.63	10.0	-3.7	30.0
Benzene	Ave	0.6631	0.6135		9.25	10.0	-7.5	30.0
1,2-Dichloroethane	Ave	0.3453	0.3356		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.3216	0.3092		9.61	10.0	-3.9	30.0
Trichloroethene	Ave	0.3310	0.3002		9.07	10.0	-9.3	30.0
1,2-Dichloropropane	Ave	0.2129	0.2010		9.44	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.1807	0.1781		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.0868	0.0855		9.85	10.0	-1.5	30.0
Bromodichloromethane	Ave	0.5633	0.5441		9.66	10.0	-3.4	30.0
1,3-Dichloropropene, cis-	Ave	0.3118	0.3083		9.89	10.0	-1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Lab Sample ID: CCVC 200-34961/23 Calibration Date: 03/14/2012 04:17

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh023.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3288	0.3483		10.6	10.0	5.9	30.0
Toluene	Ave	0.4697	0.4614		9.82	10.0	-1.8	30.0
1,3-Dichloropropene, trans-	Ave	0.3160	0.3224		10.2	10.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.2338	0.2395		10.2	10.0	2.4	30.0
Tetrachloroethene	Ave	0.5317	0.5149		9.68	10.0	-3.2	30.0
Dibromochloromethane	Ave	0.6439	0.6593		10.2	10.0	2.4	30.0
1,2-Dibromoethane	Ave	0.4448	0.4545		10.2	10.0	2.2	30.0
Chlorobenzene	Ave	0.6178	0.6209		10.0	10.0	0.5	30.0
Ethylbenzene	Ave	0.9868	1.048		10.6	10.0	6.2	30.0
m-Xylene & p-Xylene	Ave	0.3906	0.4120		21.1	20.0	5.5	30.0
o-Xylene	Ave	0.4156	0.4143		9.97	10.0	-0.3	30.0
Styrene	Ave	0.5284	0.5737		10.9	10.0	8.6	30.0
Bromoform	Ave	0.6292	0.6688		10.6	10.0	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6000	0.6172		10.3	10.0	2.9	30.0
4-Ethyltoluene	Ave	1.065	1.169		11.0	10.0	9.7	30.0
2-Chlorotoluene	Ave	1.080	1.129		10.5	10.0	4.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9905	1.049		10.6	10.0	6.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9399	1.016		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.5916	0.6296		10.6	10.0	6.4	30.0
1,4-Dichlorobenzene	Ave	0.5482	0.5808		10.6	10.0	5.9	30.0
1,2-Dichlorobenzene	Ave	0.5989	0.6332		10.6	10.0	5.7	30.0
1,2,4-Trichlorobenzene	Ave	0.2529	0.2704		10.7	10.0	6.9	30.0
Hexachlorobutadiene	Ave	0.5660	0.6023		10.6	10.0	6.4	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh023.d
Lab Smp Id: ccvc 302593 Client Smp ID: ccvc 302593
Inj Date : 14-MAR-2012 04:17
Operator : pad Inst ID: G.i
Smp Info : ccvc 302593
Misc Info : 200,1, ccvc
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 09:07 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	2817951	10.0000	9.8
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	2619001	10.0000	9.3
5 Chloromethane	50	4.306	4.311	(0.413)	611691	10.0000	8.9
7 Vinyl chloride	62	4.595	4.605	(0.441)	742726	10.0000	9.1
8 1,3-Butadiene	54	4.686	4.696	(0.450)	498912	10.0000	9.1
9 Bromomethane	94	5.429	5.440	(0.521)	816701	10.0000	9.2
10 Chloroethane	64	5.670	5.681	(0.544)	322749	10.0000	9.1
12 Vinyl bromide	106	6.066	6.071	(0.582)	816637	10.0000	9.3
13 Trichlorofluoromethane	101	6.162	6.173	(0.591)	2609143	10.0000	9.6
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.152	7.168	(0.686)	1588548	10.0000	9.5
19 1,1-Dichloroethene	96	7.205	7.221	(0.691)	673356	10.0000	9.3
20 Acetone	43	7.403	7.414	(0.710)	776976	10.0000	9.3
21 Carbon disulfide	76	7.596	7.612	(0.729)	2033961	10.0000	9.5
22 Isopropanol	45	7.681	7.687	(0.737)	584384	10.0000	9.8

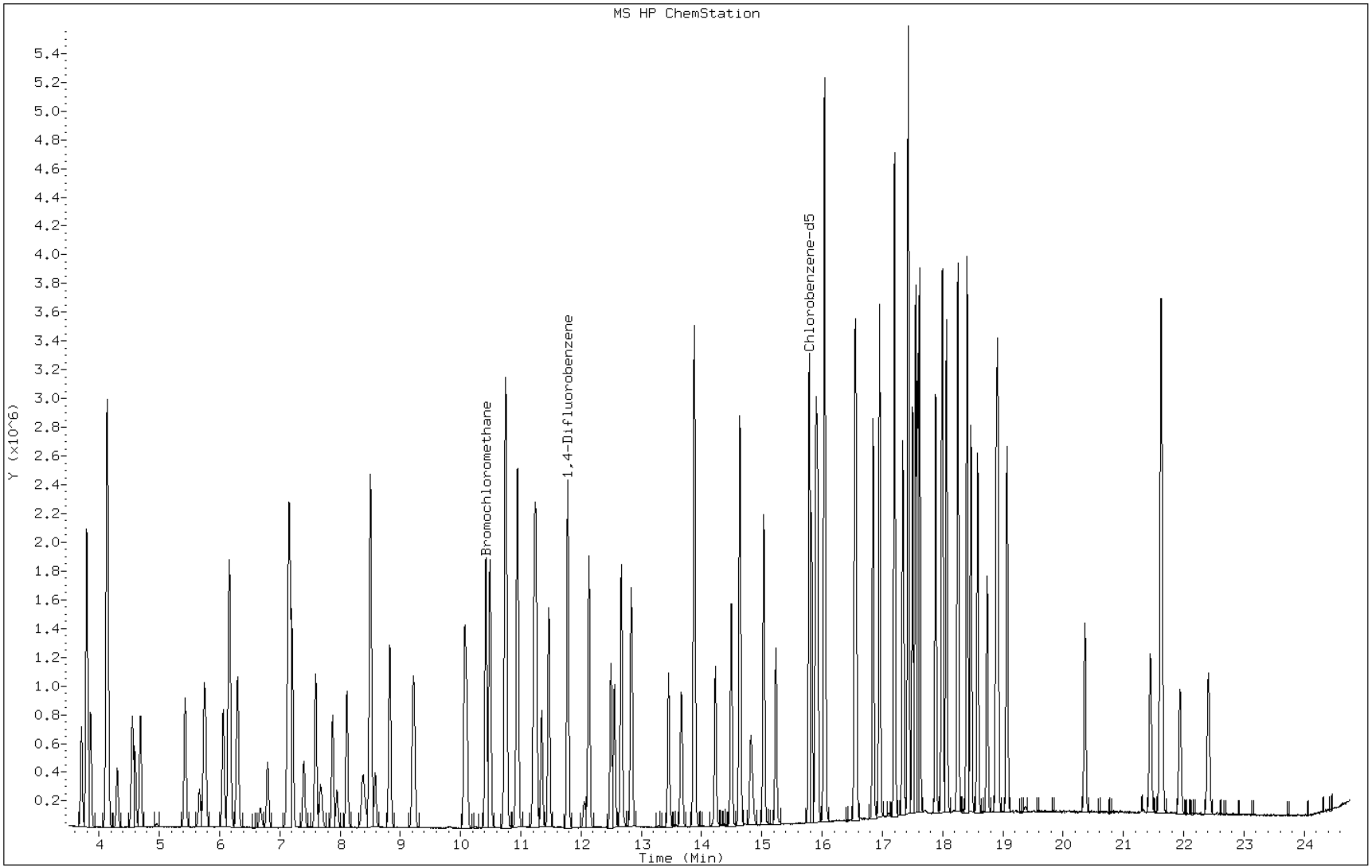
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.874	7.890	(0.756)	649716	10.0000	9.3
25	Methylene chloride	49	8.115	8.126	(0.779)	668510	10.0000	9.8
26	Tert-butyl alcohol	59	8.377	8.388	(0.804)	970849	10.0000	9.8
27	Methyl tert-butyl ether	73	8.505	8.516	(0.816)	1777695	10.0000	9.6
28	1,2-Dichloroethene (trans)	61	8.505	8.516	(0.816)	995214	10.0000	9.4
30	n-Hexane	57	8.826	8.837	(0.847)	837158	10.0000	9.4
31	1,1-Dichloroethane	63	9.211	9.222	(0.884)	1119462	10.0000	9.2
34	1,2-Dichloroethene (cis)	96	10.067	10.084	(0.966)	657818	10.0000	9.1
36	Methyl Ethyl Ketone	72	10.089	10.100	(0.968)	218215	10.0000	8.2(Q)
* 37	Bromochloromethane	128	10.420	10.431	(1.000)	703273	10.0000	
38	Tetrahydrofuran	42	10.479	10.485	(0.890)	438087	10.0000	11
39	Chloroform	83	10.490	10.501	(1.007)	1464290	10.0000	9.3
40	Cyclohexane	84	10.758	10.774	(0.913)	829894	10.0000	9.8
41	1,1,1-Trichloroethane	97	10.747	10.758	(0.912)	1926296	10.0000	10
42	Carbon tetrachloride	117	10.939	10.956	(0.929)	2229178	10.0000	10
43	2,2,4-Trimethylpentane	57	11.228	11.239	(0.953)	2565462	10.0000	9.6
44	Benzene	78	11.255	11.271	(0.955)	1564213	10.0000	9.2
45	1,2-Dichloroethane	62	11.346	11.362	(0.963)	855667	10.0000	9.7
46	n-Heptane	43	11.469	11.474	(0.974)	788281	10.0000	9.6
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2550366	10.0000	
49	Trichloroethene	95	12.132	12.143	(1.030)	765345	10.0000	9.1
50	1,2-Dichloropropane	63	12.496	12.512	(1.061)	512569	10.0000	9.4
51	Methyl methacrylate	69	12.555	12.566	(1.066)	454079	10.0000	9.9
53	1,4-Dioxane	88	12.667	12.678	(1.075)	217907	10.0000	9.8
54	Bromodichloromethane	83	12.833	12.849	(1.089)	1387481	10.0000	9.7
55	1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	786147	10.0000	9.9
56	Methyl isobutyl ketone	43	13.662	13.673	(1.160)	888057	10.0000	11
58	Toluene	92	13.882	13.898	(0.879)	1040759	10.0000	9.8
59	1,3-Dichloropropene (trans)	75	14.229	14.240	(1.208)	822177	10.0000	10
60	1,1,2-Trichloroethane	83	14.497	14.508	(0.918)	540344	10.0000	10
61	Tetrachloroethene	166	14.636	14.647	(0.927)	1161466	10.0000	9.7
63	Dibromochloromethane	129	15.032	15.043	(0.952)	1487324	10.0000	10
64	1,2-Dibromoethane	107	15.235	15.246	(0.965)	1025275	10.0000	10
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2256198	10.0000	
66	Chlorobenzene	112	15.824	15.834	(1.002)	1400565	10.0000	10
68	Ethylbenzene	91	15.899	15.909	(1.007)	2362985	10.0000	11
69	Xylene (m,p)	106	16.043	16.054	(1.016)	1858723	20.0000	21
71	Xylene (o)	106	16.546	16.557	(1.048)	934583	10.0000	10
72	Styrene	104	16.567	16.578	(1.049)	1294049	10.0000	11
73	Bromoform	173	16.845	16.856	(1.067)	1508547	10.0000	11
75	1,1,2,2-Tetrachloroethane	83	17.343	17.354	(1.099)	1392156	10.0000	10
79	4-Ethyltoluene	105	17.552	17.562	(1.112)	2636941	10.0000	11
80	2-Chlorotoluene	91	17.584	17.595	(1.114)	2547835	10.0000	10
81	1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	2367252	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.060	18.071	(1.144)	2290876	10.0000	11
87	1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	1420328	10.0000	11
88	1,4-Dichlorobenzene	146	18.584	18.595	(1.177)	1310186	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	1428320	10.0000	11
94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	609971	10.0000	11
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	1358542	10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh023.d	Date:	14-MAR-2012 04:17
Client ID:	ccvc 302593	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302593		
Lab Sample ID:	ccvc 302593		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 24-FEB-2012 08:22
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

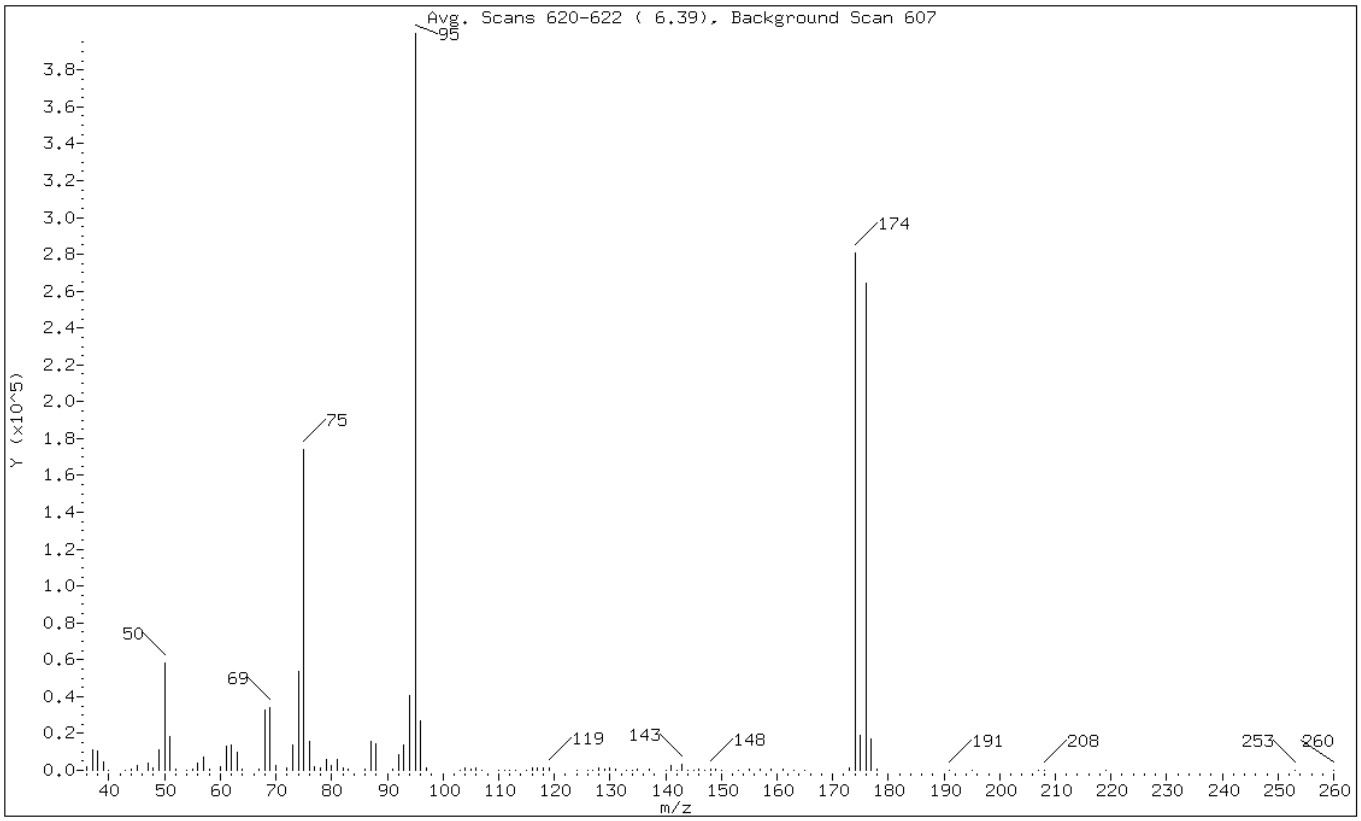
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb							CAS #: 460-00-4	
6.394	6.760	-0.366	95	399829			100.00- 100.00	100.00
6.394	6.760	-0.366	50	58525			8.00- 40.00	14.64
6.394	6.760	-0.366	75	174345			30.00- 66.00	43.60
6.394	6.760	-0.366	96	26784			5.00- 9.00	6.70
6.394	6.760	-0.366	173	1210			0.00- 2.00	0.43
6.394	6.760	-0.366	174	280469			50.00- 120.00	70.15
6.394	6.760	-0.366	175	19000			4.00- 9.00	6.77
6.394	6.760	-0.366	176	264256			93.00- 101.00	94.22
6.394	6.760	-0.366	177	17255			5.00- 9.00	6.53

Data File: ckq001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 24-FEB-2012 08:22
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.64
75	30.00 - 66.00% of mass 95	43.60
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.30 (0.43)
174	50.00 - 120.00% of mass 95	70.15
175	4.00 - 9.00% of mass 174	4.75 (6.77)
176	93.00 - 101.00% of mass 174	66.09 (94.22)
177	5.00 - 9.00% of mass 176	4.32 (6.53)

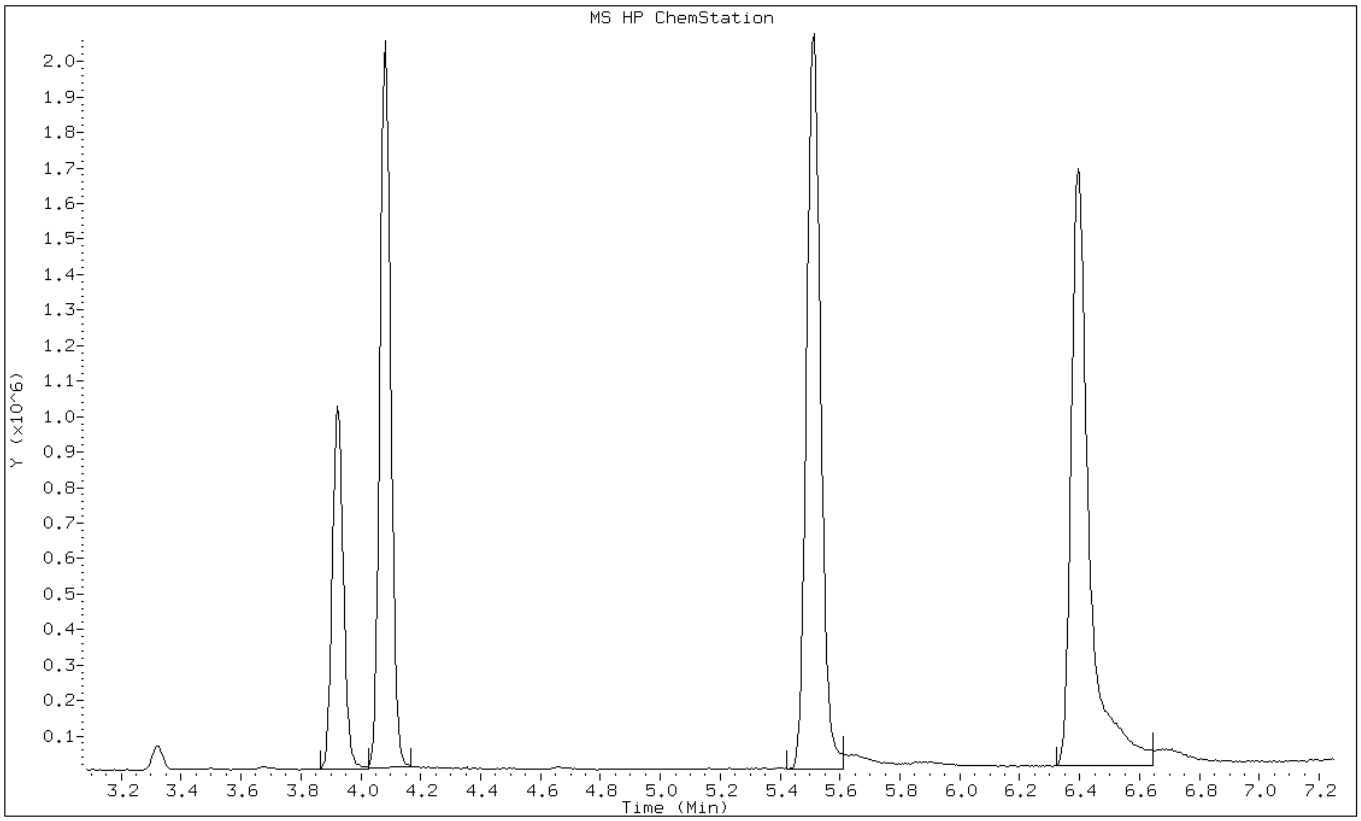
Data File: ckq001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 24-FEB-2012 08:22
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqnj.b/ckq001.d
Spectrum: Avg. Scans 620-622 (6.39), Background Scan 607
Location of Maximum: 95.00
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1973	70.00	2792	107.00	319	146.00	512
37.00	11169	72.00	1481	110.00	71	147.00	129
38.00	10261	73.00	13929	111.00	159	148.00	914
39.00	4558	74.00	53520	112.00	157	149.00	352
40.00	241	75.00	174336	113.00	167	150.00	313
43.00	79	76.00	15508	115.00	113	153.00	242
44.00	958	77.00	2206	116.00	1068	155.00	840
45.00	2495	78.00	1150	117.00	1357	157.00	647
47.00	4110	79.00	5730	118.00	1097	159.00	394
48.00	1172	80.00	2354	119.00	1421	161.00	422
49.00	10810	81.00	6171	124.00	161	163.00	27
50.00	58520	82.00	1517	126.00	90	165.00	149
51.00	18080	83.00	359	127.00	200	173.00	1210
52.00	933	86.00	357	128.00	1069	174.00	280448
54.00	196	87.00	15783	129.00	589	175.00	19000
55.00	720	88.00	14645	130.00	1013	176.00	264256
56.00	3601	91.00	749	131.00	488	177.00	17248
57.00	7318	92.00	8620	133.00	101	178.00	471
58.00	338	93.00	13734	134.00	159	191.00	162
60.00	2177	94.00	40288	135.00	403	195.00	67
61.00	12859	95.00	399808	137.00	524	207.00	24
62.00	13416	96.00	26784	140.00	77	208.00	142
63.00	9986	97.00	1003	141.00	2598	219.00	90
64.00	892	103.00	104	142.00	277	253.00	222
67.00	872	104.00	1137	143.00	3062	260.00	98
68.00	32792	105.00	552	144.00	69		
69.00	33792	106.00	1091	145.00	239		

Data File:	ckq001.d	Date:	24-FEB-2012 08:22
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 20-MAR-2012 12:13
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

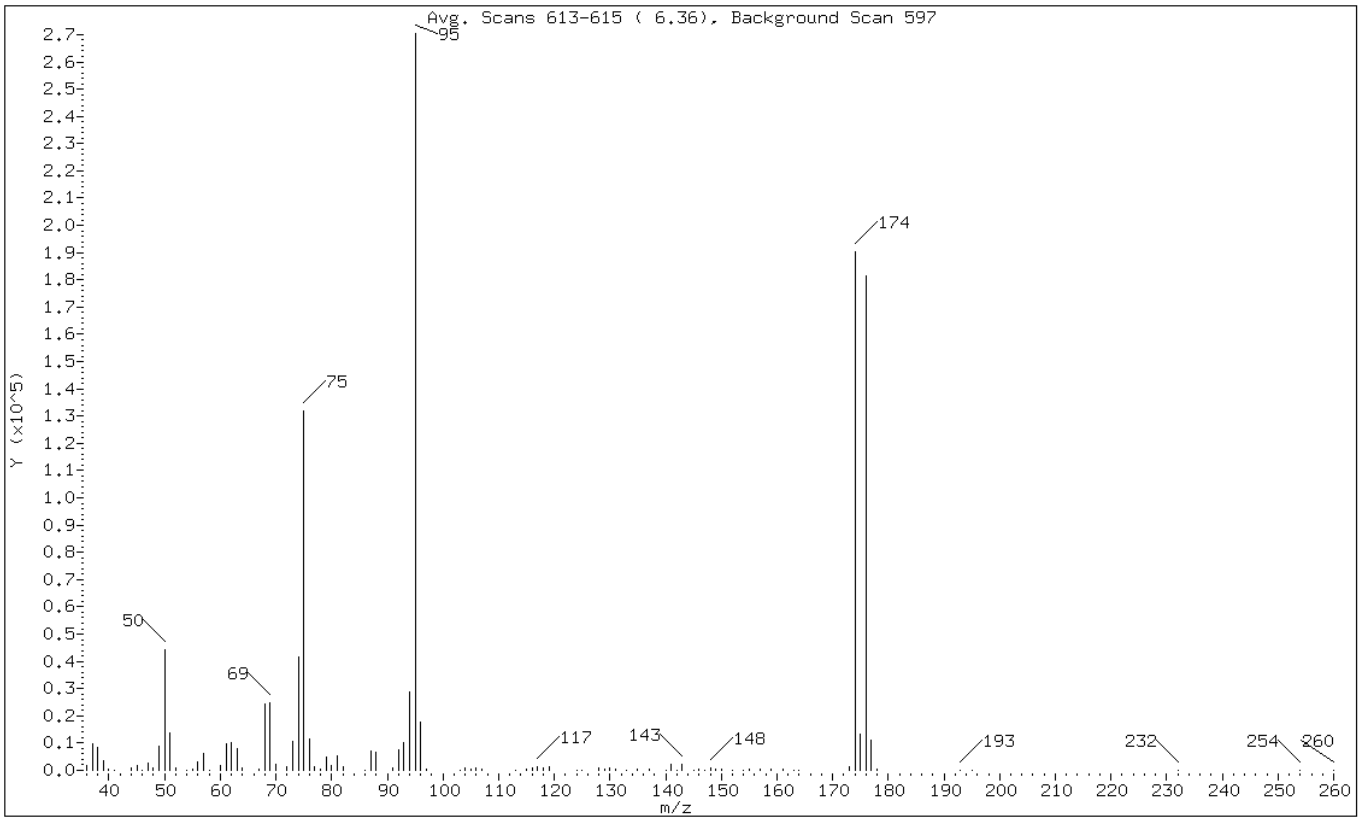
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb							CAS #: 460-00-4	
6.356	6.760	-0.404	95	270400			100.00- 100.00	100.00
6.356	6.760	-0.404	50	44296			8.00- 40.00	16.38
6.356	6.760	-0.404	75	131965			30.00- 66.00	48.80
6.356	6.760	-0.404	96	17883			5.00- 9.00	6.61
6.356	6.760	-0.404	173	1121			0.00- 2.00	0.59
6.356	6.760	-0.404	174	190144			50.00- 120.00	70.32
6.356	6.760	-0.404	175	13481			4.00- 9.00	7.09
6.356	6.760	-0.404	176	181290			93.00- 101.00	95.34
6.356	6.760	-0.404	177	11158			5.00- 9.00	6.15

Data File: ckqr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 20-MAR-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.38
75	30.00 - 66.00% of mass 95	48.80
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.41 (0.59)
174	50.00 - 120.00% of mass 95	70.32
175	4.00 - 9.00% of mass 174	4.99 (7.09)
176	93.00 - 101.00% of mass 174	67.05 (95.34)
177	5.00 - 9.00% of mass 176	4.13 (6.15)

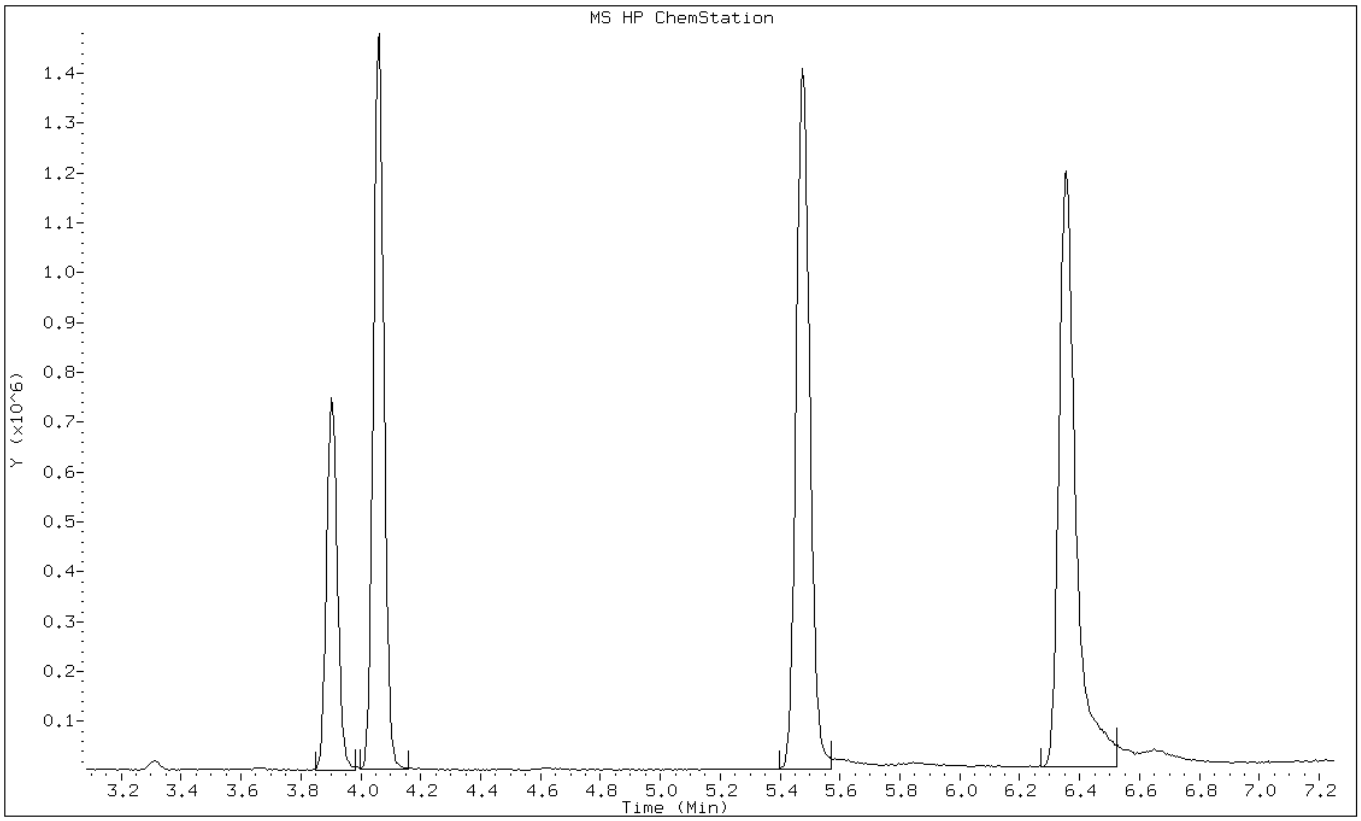
Data File: ckqr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 20-MAR-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqrto15.b/ckqr001.d
Spectrum: Avg. Scans 613-615 (6.36), Background Scan 597
Location of Maximum: 95.00
Number of points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1577	67.00	643	103.00	87	146.00	233
37.00	9612	68.00	24432	104.00	976	147.00	36
38.00	8256	69.00	24688	105.00	332	148.00	678
39.00	3429	70.00	2016	106.00	931	149.00	268
40.00	339	72.00	1274	107.00	254	150.00	263
41.00	103	73.00	10441	113.00	173	152.00	74
44.00	834	74.00	41552	115.00	319	154.00	98
45.00	1824	75.00	131904	116.00	868	155.00	642
46.00	82	76.00	11348	117.00	1357	157.00	402
47.00	2580	77.00	1251	118.00	839	159.00	490
48.00	1088	78.00	616	119.00	1307	161.00	346
49.00	8728	79.00	4997	124.00	78	163.00	24
50.00	44296	80.00	1706	125.00	66	164.00	68
51.00	13826	81.00	5426	128.00	1001	173.00	1121
52.00	722	82.00	1140	129.00	470	174.00	190144
54.00	84	86.00	200	130.00	923	175.00	13481
55.00	480	87.00	7176	131.00	455	176.00	181248
56.00	3234	88.00	6578	133.00	201	177.00	11158
57.00	6070	91.00	845	135.00	405	178.00	422
58.00	164	92.00	7490	137.00	420	193.00	125
60.00	1736	93.00	10381	140.00	67	195.00	73
61.00	9931	94.00	28856	141.00	2274	232.00	161
62.00	10338	95.00	270400	142.00	116	254.00	171
63.00	8053	96.00	17880	143.00	2311	260.00	135
64.00	684	97.00	591	145.00	218		

Data File:	ckqr001.d	Date:	20-MAR-2012 12:13
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-MAR-2012 10:36
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

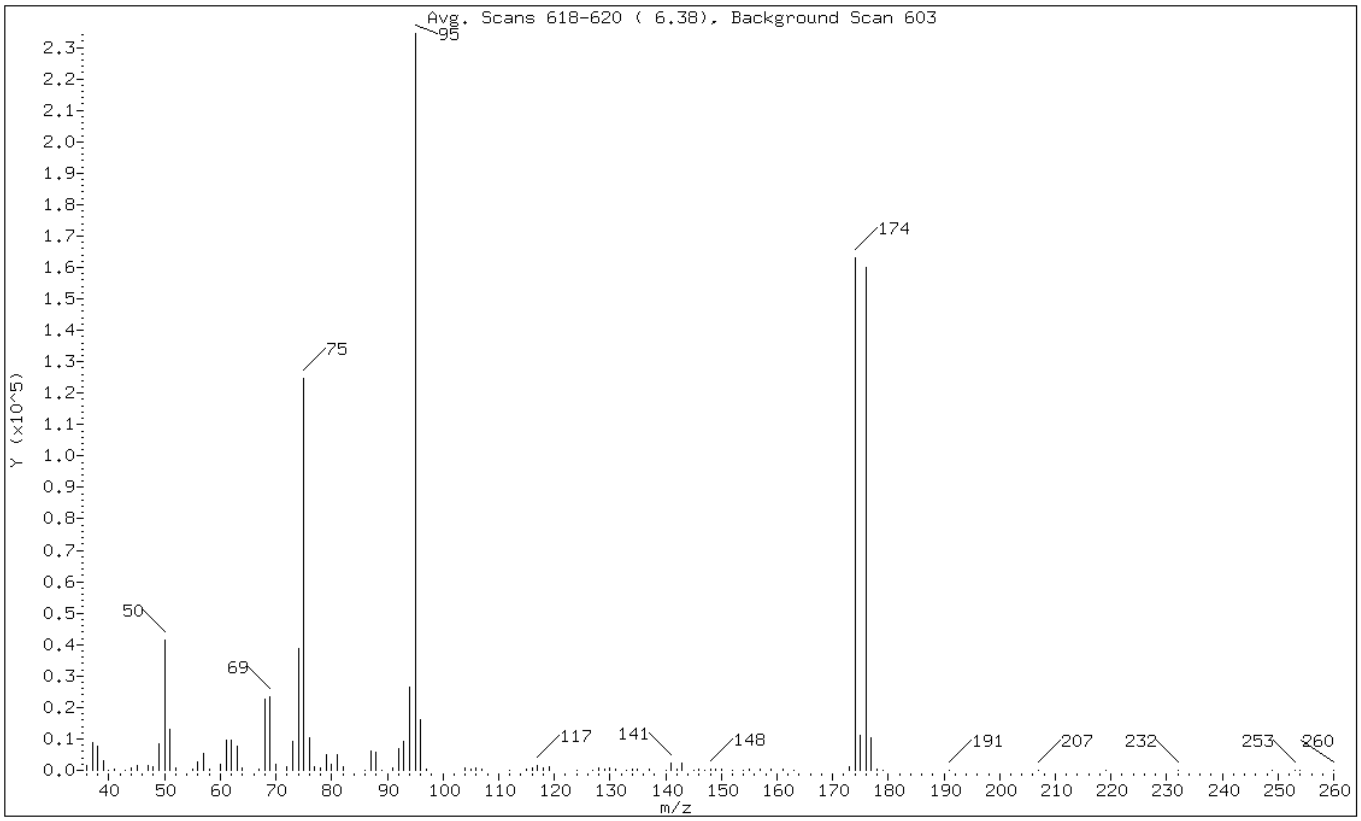
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.383	6.760	-0.377	95	234453			100.00- 100.00	100.00
6.383	6.760	-0.377	50	41410			8.00- 40.00	17.66
6.383	6.760	-0.377	75	124685			30.00- 66.00	53.18
6.383	6.760	-0.377	96	16000			5.00- 9.00	6.82
6.383	6.760	-0.377	173	1069			0.00- 2.00	0.66
6.383	6.760	-0.377	174	162944			50.00- 120.00	69.50
6.383	6.760	-0.377	175	11266			4.00- 9.00	6.91
6.383	6.760	-0.377	176	159872			93.00- 101.00	98.11
6.383	6.760	-0.377	177	10434			5.00- 9.00	6.53

Data File: ckqw001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 27-MAR-2012 10:36
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.66
75	30.00 - 66.00% of mass 95	53.18
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.46 (0.66)
174	50.00 - 120.00% of mass 95	69.50
175	4.00 - 9.00% of mass 174	4.81 (6.91)
176	93.00 - 101.00% of mass 174	68.19 (98.11)
177	5.00 - 9.00% of mass 176	4.45 (6.53)

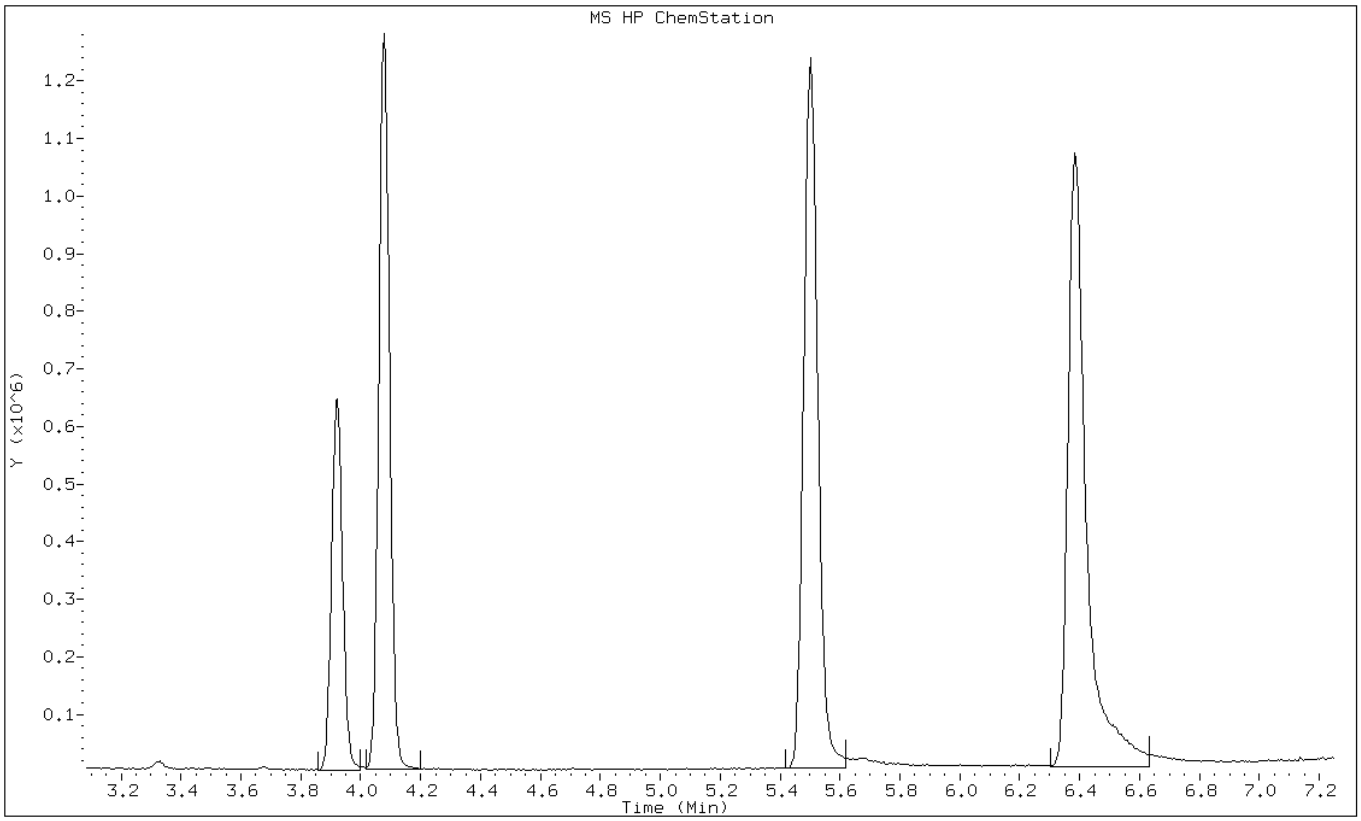
Data File: ckqw001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 27-MAR-2012 10:36
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqwto15.b/ckqw001.d
Spectrum: Avg. Scans 618-620 (6.38), Background Scan 603
Location of Maximum: 95.00
Number of points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1393	69.00	23392	106.00	869	149.00	248
37.00	8853	70.00	1776	107.00	218	150.00	290
38.00	7808	72.00	1144	112.00	66	152.00	82
39.00	3044	73.00	9377	115.00	335	154.00	73
40.00	118	74.00	38608	116.00	790	155.00	456
41.00	227	75.00	124680	117.00	1392	157.00	505
43.00	85	76.00	10517	118.00	748	159.00	375
44.00	888	77.00	1093	119.00	1055	161.00	315
45.00	1615	78.00	777	124.00	74	163.00	75
47.00	1653	79.00	4901	127.00	75	173.00	1069
48.00	970	80.00	2010	128.00	829	174.00	162944
49.00	8398	81.00	5140	129.00	439	175.00	11266
50.00	41408	82.00	1332	130.00	806	176.00	159872
51.00	12916	86.00	104	131.00	409	177.00	10434
52.00	683	87.00	6261	133.00	79	178.00	470
55.00	526	88.00	5606	134.00	244	179.00	80
56.00	2863	89.00	75	135.00	336	191.00	80
57.00	5497	91.00	656	137.00	393	207.00	153
58.00	317	92.00	6754	140.00	161	219.00	71
60.00	1773	93.00	9366	141.00	2324	232.00	6
61.00	9732	94.00	26600	142.00	253	249.00	73
62.00	9603	95.00	234432	143.00	2237	253.00	102
63.00	7591	96.00	16000	145.00	162	254.00	72
64.00	709	97.00	477	146.00	314	260.00	58
67.00	532	104.00	897	147.00	95		
68.00	22512	105.00	531	148.00	511		

Data File:	ckqw001.d	Date:	27-MAR-2012 10:36
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-MAR-2012 14:16
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info : 200,1, bfb
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/bfbnj.m
Meth Date : 08-Aug-2011 11:22 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

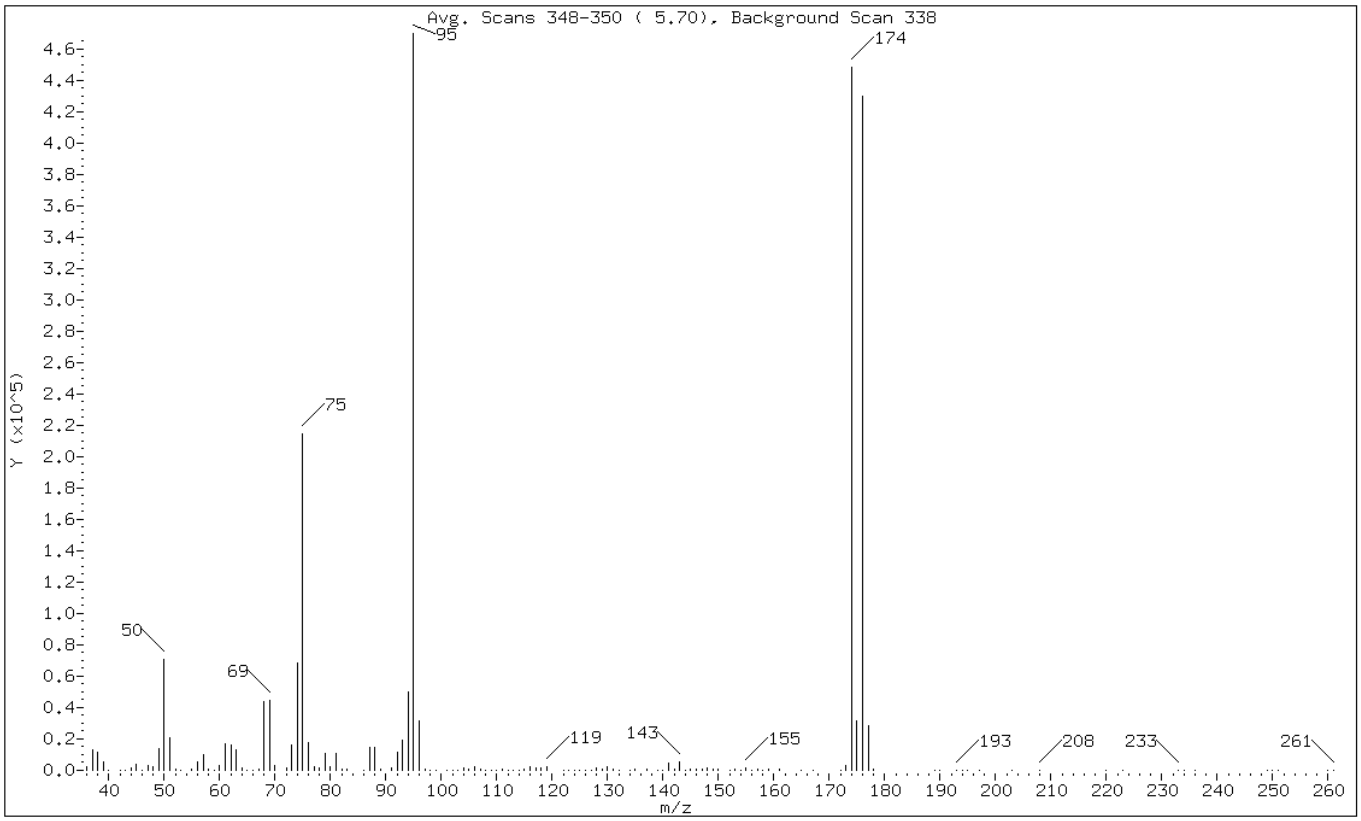
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb							CAS #: 460-00-4	
5.698	5.900	-0.202	95	469888			100.00- 100.00	100.00
5.698	5.900	-0.202	50	70987			8.00- 40.00	15.11
5.698	5.900	-0.202	75	214741			30.00- 66.00	45.70
5.698	5.900	-0.202	96	31879			5.00- 9.00	6.78
5.698	5.900	-0.202	173	2730			0.00- 2.00	0.61
5.698	5.900	-0.202	174	448704			50.00- 120.00	95.49
5.698	5.900	-0.202	175	31290			4.00- 9.00	6.97
5.698	5.900	-0.202	176	429674			93.00- 101.00	95.76
5.698	5.900	-0.202	177	28661			5.00- 9.00	6.67

Data File: ggh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 02-MAR-2012 14:16
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.11
75	30.00 - 66.00% of mass 95	45.70
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.58 (0.61)
174	50.00 - 120.00% of mass 95	95.49
175	4.00 - 9.00% of mass 174	6.66 (6.97)
176	93.00 - 101.00% of mass 174	91.44 (95.76)
177	5.00 - 9.00% of mass 176	6.10 (6.67)

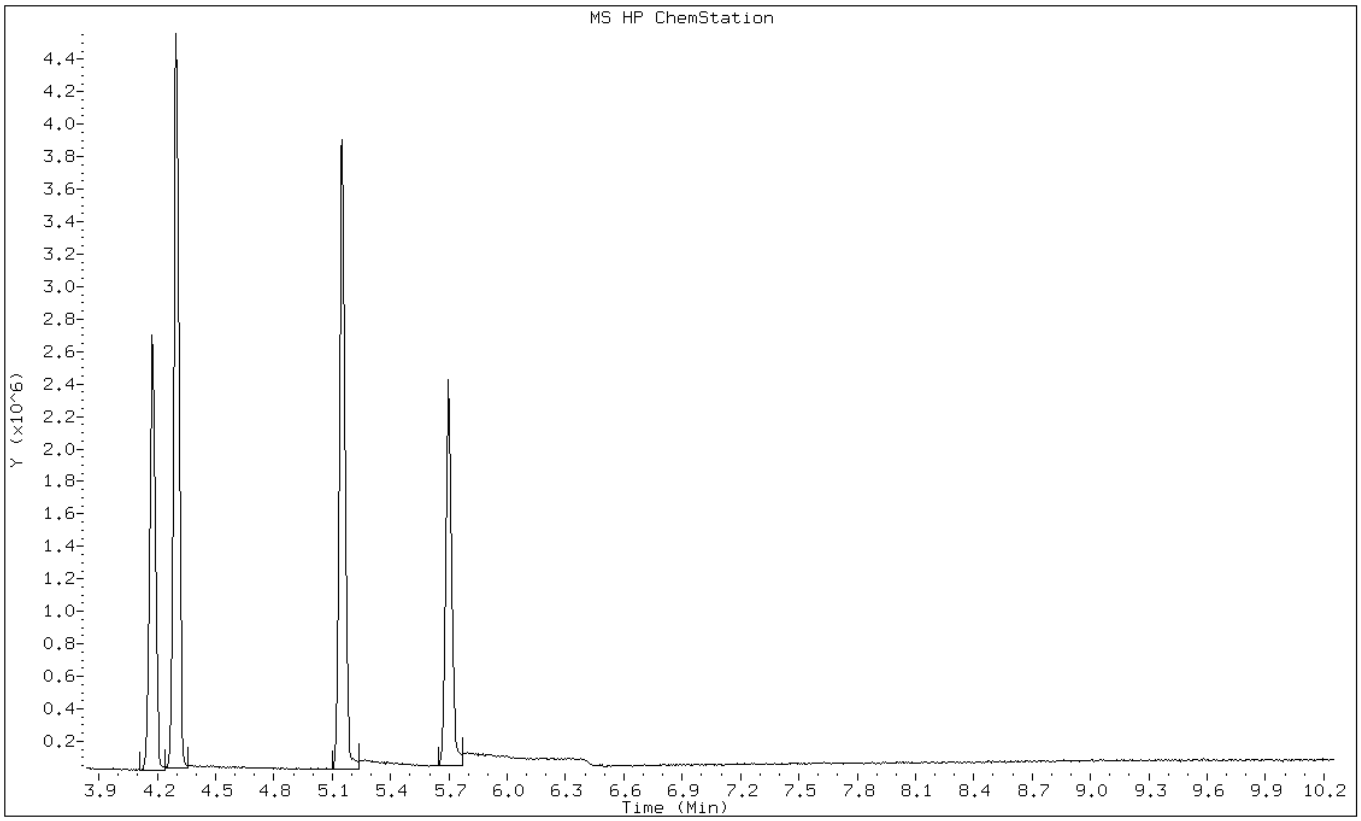
Data File: ggh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 02-MAR-2012 14:16
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gghNJ.b/ggh001.d
Spectrum: Avg. Scans 348-350 (5.70), Background Scan 338
Location of Maximum: 95.00
Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2212	74.00	68816	113.00	346	154.00	355
37.00	13268	75.00	214720	114.00	224	155.00	1154
38.00	11604	76.00	17552	115.00	781	156.00	103
39.00	5110	77.00	2282	116.00	1955	157.00	761
40.00	245	78.00	1487	117.00	1777	158.00	128
42.00	73	79.00	10801	118.00	1687	159.00	867
43.00	94	80.00	2634	119.00	2539	161.00	503
44.00	1274	81.00	10809	122.00	95	165.00	101
45.00	3750	82.00	432	123.00	90	167.00	102
46.00	372	83.00	664	124.00	180	172.00	319
47.00	3170	86.00	377	125.00	154	173.00	2730
48.00	2016	87.00	14955	126.00	219	174.00	448704
49.00	13775	88.00	14501	127.00	380	175.00	31288
50.00	70984	89.00	387	128.00	1873	176.00	429632
51.00	20672	91.00	1508	129.00	870	177.00	28656
52.00	1030	92.00	11773	130.00	2019	178.00	899
53.00	240	93.00	19472	131.00	819	189.00	72
55.00	781	94.00	50288	132.00	70	190.00	67
56.00	5721	95.00	469888	134.00	274	193.00	298
57.00	10126	96.00	31872	135.00	722	194.00	140
58.00	443	97.00	1111	137.00	930	195.00	116
59.00	94	98.00	74	139.00	341	197.00	75
60.00	3073	99.00	109	140.00	302	203.00	110
61.00	16784	101.00	147	141.00	4894	208.00	195
62.00	16016	102.00	89	142.00	632	220.00	72
63.00	13233	103.00	300	143.00	5063	223.00	69
64.00	1342	104.00	1716	144.00	366	233.00	84
65.00	203	105.00	913	145.00	494	234.00	71
66.00	87	106.00	2371	146.00	481	236.00	82
67.00	763	107.00	397	147.00	416	249.00	127
68.00	43520	108.00	78	148.00	1306	250.00	168
69.00	44456	109.00	178	149.00	407	251.00	150
70.00	3235	110.00	351	150.00	638	260.00	167
72.00	1821	111.00	508	152.00	205	261.00	202
73.00	16488	112.00	149	153.00	562		

Data File:	ggh001.d	Date:	02-MAR-2012 14:16
Client ID:	BFB	Instrument:	G.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-MAR-2012 10:00
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info : 200,1, bfb
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:22 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

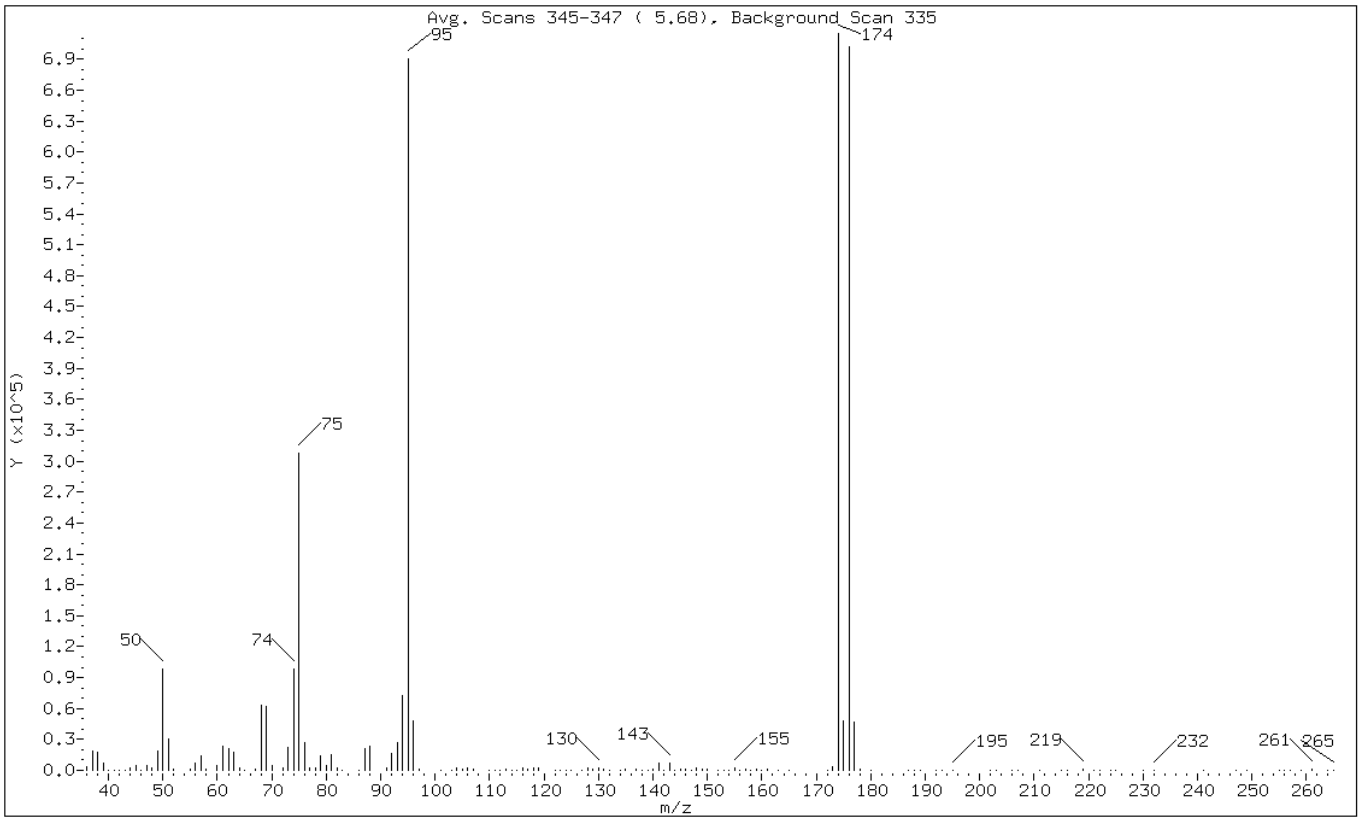
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
5.682	5.900	-0.218	95	690026			100.00- 100.00	96.51
5.682	5.900	-0.218	50	98823			8.00- 40.00	14.32
5.682	5.900	-0.218	75	307507			30.00- 66.00	44.56
5.682	5.900	-0.218	96	47662			5.00- 9.00	6.91
5.682	5.900	-0.218	173	3497			0.00- 2.00	0.49
5.682	5.900	-0.218	174	714991			50.00- 120.00	103.62
5.682	5.900	-0.218	175	48560			4.00- 9.00	6.79
5.682	5.900	-0.218	176	702060			93.00- 101.00	98.19
5.682	5.900	-0.218	177	46549			5.00- 9.00	6.63

Data File: gghh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 13-MAR-2012 10:00
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.32
75	30.00 - 66.00% of mass 95	44.56
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.51 (0.49)
174	50.00 - 120.00% of mass 95	103.62
175	4.00 - 9.00% of mass 174	7.04 (6.79)
176	93.00 - 101.00% of mass 174	101.74 (98.19)
177	5.00 - 9.00% of mass 176	6.75 (6.63)

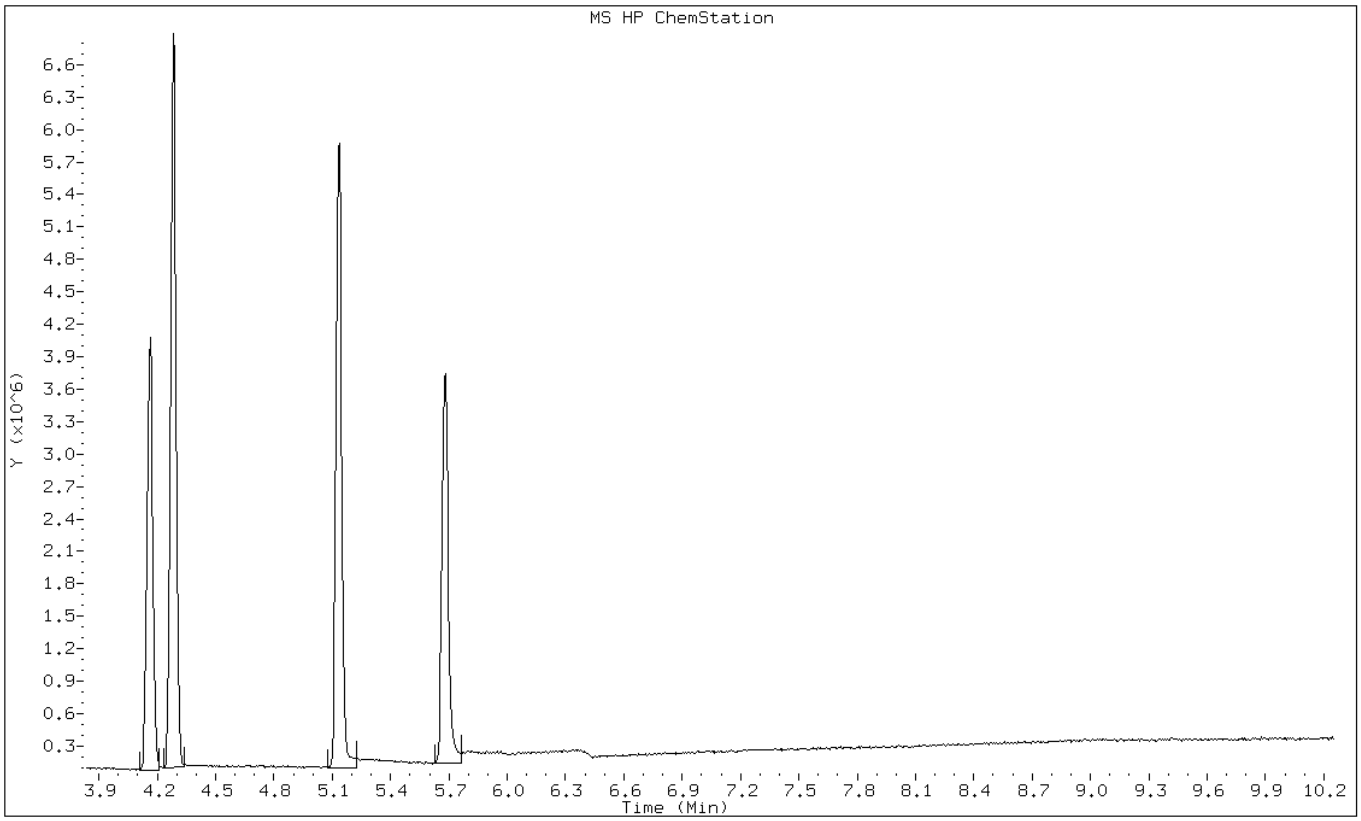
Data File: gghh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 13-MAR-2012 10:00
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gghhto15.b/gghh001.d
Spectrum: Avg. Scans 345-347 (5.68), Background Scan 335
Location of Maximum: 174.00
Number of points: 145

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3219	78.00	2017	128.00	2342	176.00	702016
37.00	18472	79.00	14421	129.00	1528	177.00	46544
38.00	17560	80.00	4300	130.00	2802	178.00	1289
39.00	7528	81.00	14860	131.00	700	180.00	80
40.00	517	82.00	2696	132.00	287	187.00	78
41.00	93	83.00	322	134.00	98	188.00	172
42.00	135	86.00	453	135.00	955	189.00	70
43.00	418	87.00	21616	137.00	1235	192.00	312
44.00	2137	88.00	23104	138.00	100	193.00	111
45.00	4548	91.00	2115	139.00	292	195.00	389
46.00	460	92.00	16263	140.00	811	202.00	172
47.00	4975	93.00	26336	141.00	6883	203.00	272
48.00	2357	94.00	72696	142.00	486	206.00	68
49.00	18744	95.00	689984	143.00	7530	207.00	376
50.00	98816	96.00	47656	144.00	485	211.00	169
51.00	30392	97.00	1669	145.00	770	215.00	114
52.00	687	101.00	152	146.00	1434	216.00	154
55.00	1186	103.00	365	147.00	460	219.00	685
56.00	6789	104.00	2303	148.00	1984	221.00	147
57.00	14169	105.00	750	149.00	602	222.00	69
58.00	1136	106.00	2673	150.00	924	224.00	91
60.00	4270	107.00	843	152.00	403	225.00	46
61.00	23120	110.00	506	153.00	263	230.00	71
62.00	21480	111.00	446	154.00	256	232.00	83
63.00	17568	112.00	471	155.00	2306	241.00	77
64.00	1826	113.00	677	156.00	162	247.00	457
65.00	294	114.00	186	157.00	1463	249.00	480
67.00	1215	115.00	436	158.00	470	255.00	247
68.00	63328	116.00	2590	159.00	1055	256.00	197
69.00	62392	117.00	998	160.00	157	257.00	79
70.00	4841	118.00	2324	161.00	1573	259.00	98
72.00	2374	119.00	2631	163.00	98	261.00	635
73.00	21920	122.00	75	165.00	394	264.00	161
74.00	98200	123.00	122	172.00	438	265.00	222
75.00	307456	124.00	557	173.00	3497		
76.00	27488	125.00	96	174.00	714944		
77.00	2475	127.00	249	175.00	48560		

Data File:	gghh001.d	Date:	13-MAR-2012 10:00
Client ID:	BFB	Instrument:	G.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: MB 200-34961/3

Matrix: Air Lab File ID: gghh003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 11:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 13-MAR-2012 11:44
Operator : pad Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

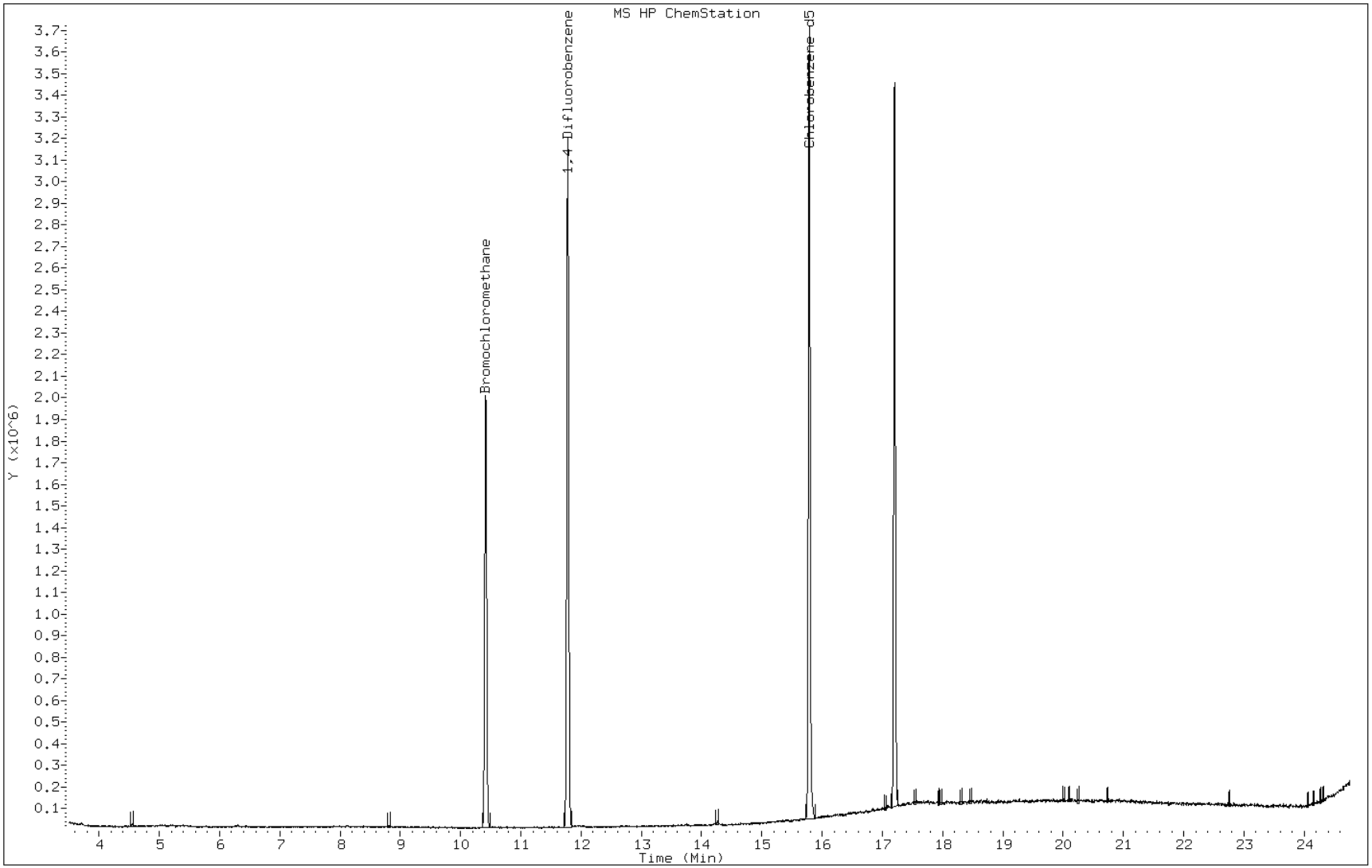
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	757745	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	3461194	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2715122	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	gghh003.d	Date:	13-MAR-2012 11:44
Client ID:	mb	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: MB 200-35378/3

Matrix: Air Lab File ID: ckqr003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
71-43-2	Benzene	0.20	U	0.20	0.018
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 20-MAR-2012 14:49
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

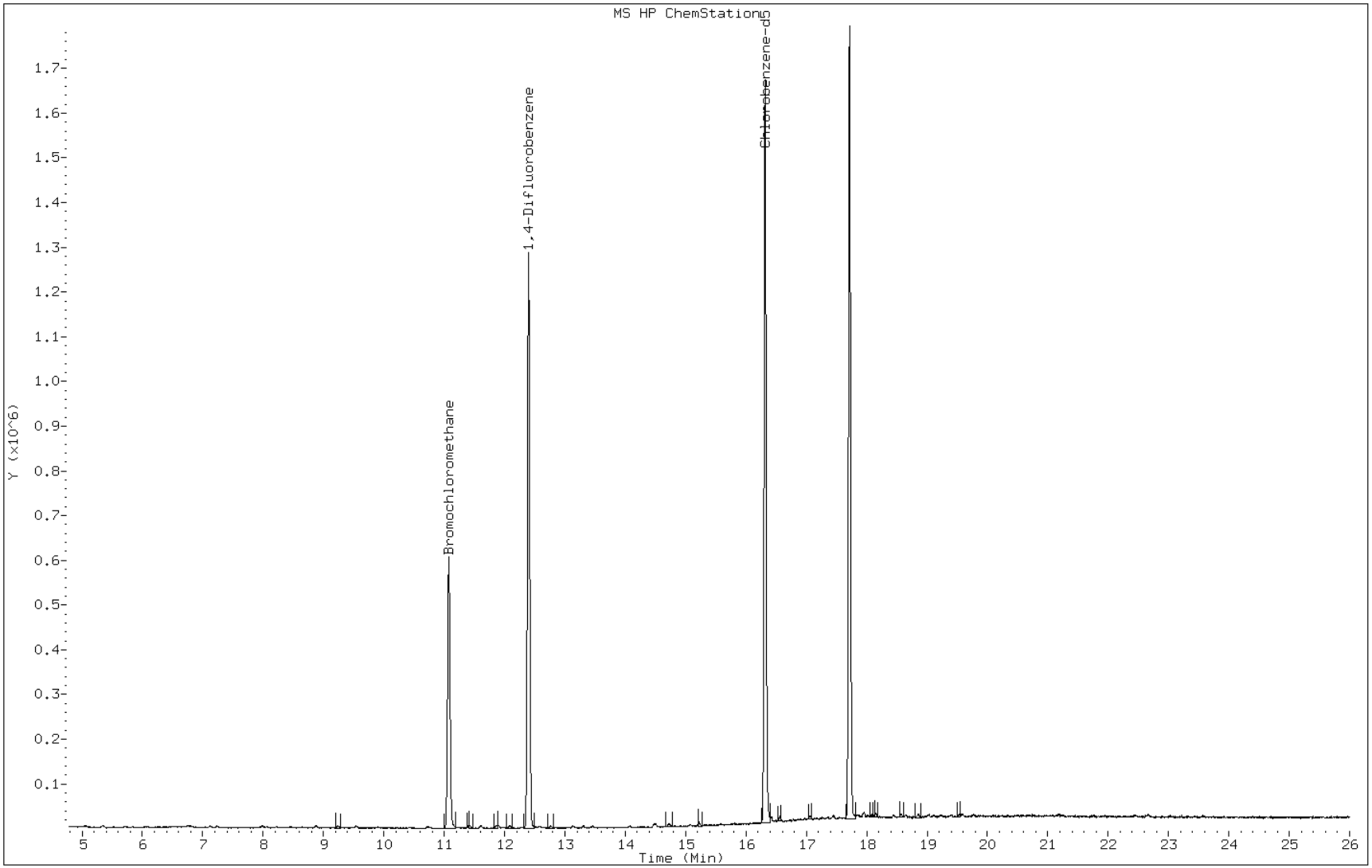
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	247796	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1444732	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1262539	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqr003.d	Date:	20-MAR-2012 14:49
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: MB 200-35786/3

Matrix: Air Lab File ID: ckqw003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 12:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.20	U	0.20	0.018

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 27-MAR-2012 12:17
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

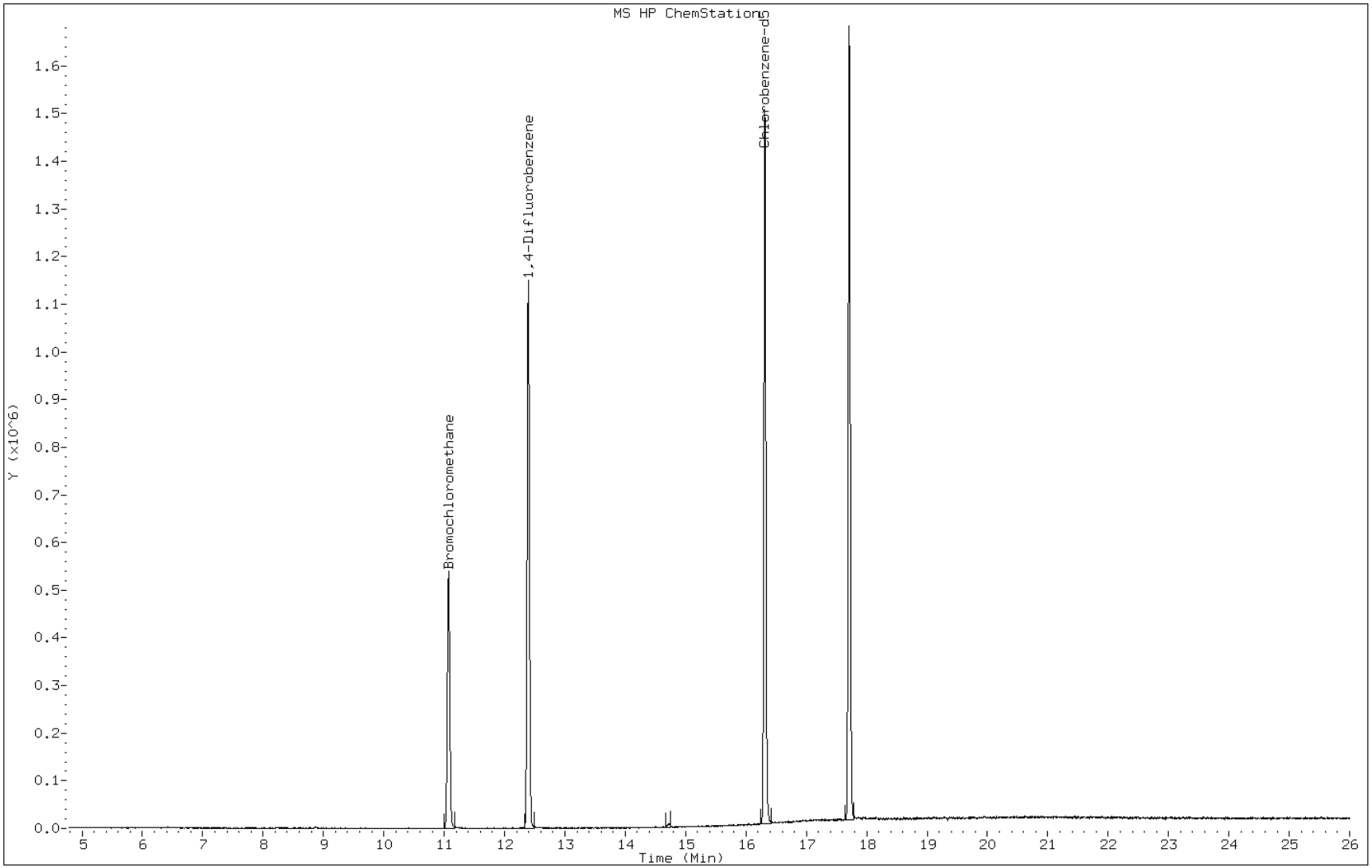
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	215177	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1285355	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1138827	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqw003.d	Date:	27-MAR-2012 12:17
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: LCS 200-34961/4

Matrix: Air Lab File ID: gghh004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	0.170	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.178	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.182	J	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.157	J	0.20	0.035
107-06-2	1,2-Dichloroethane	0.190	J	0.20	0.031
79-01-6	Trichloroethene	0.192	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.192	J	0.20	0.019
127-18-4	Tetrachloroethene	0.197	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.166	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 13-MAR-2012 12:33
Operator : pad Inst ID: G.i
Smp Info : lcs 303351
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

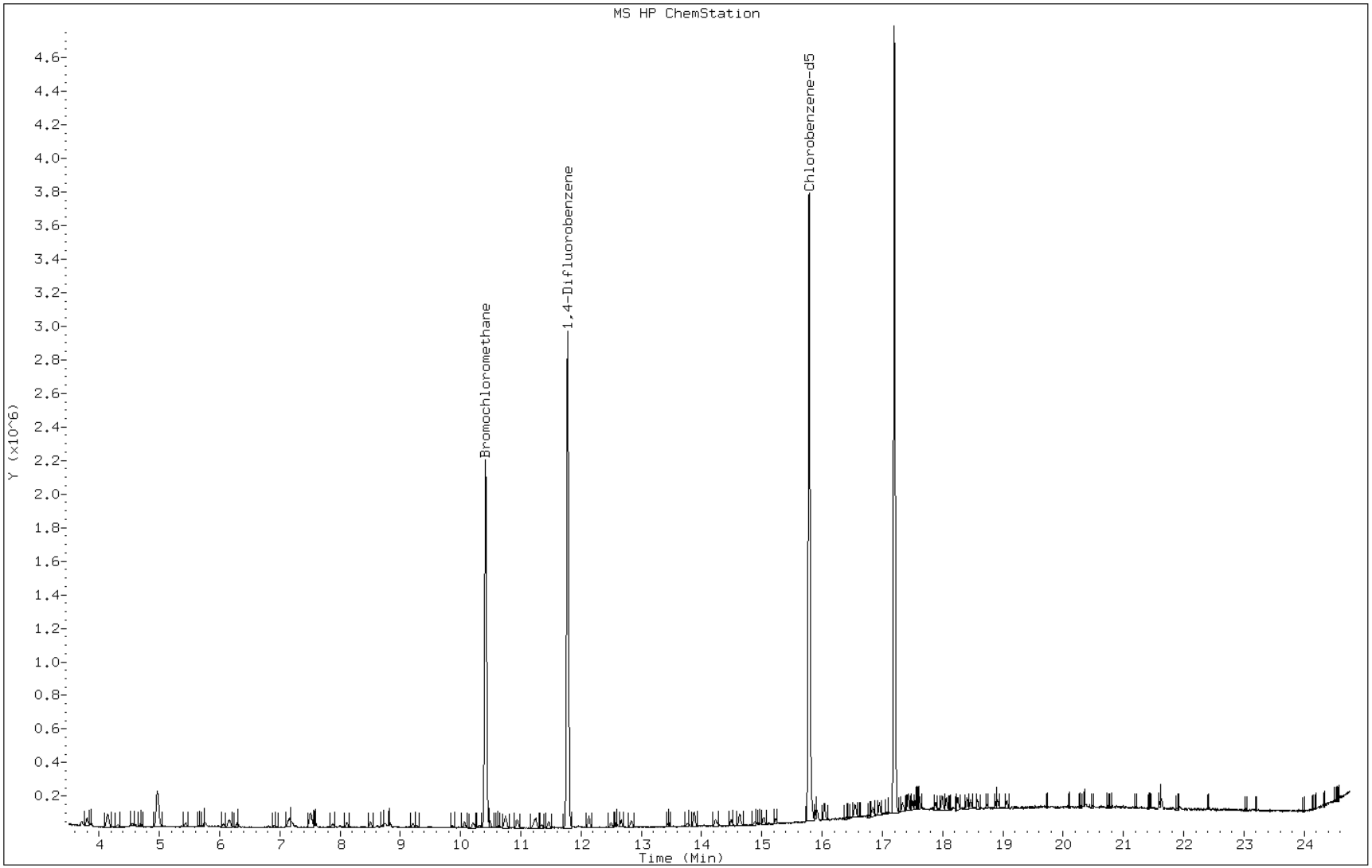
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	53959	0.16594	0.17(a)
7 Vinyl chloride	62	4.600	4.605	(0.442)	16031	0.17042	0.17(a)
8 1,3-Butadiene	54	4.691	4.696	(0.450)	10546	0.16740	0.17(a)
9 Bromomethane	94	5.440	5.440	(0.522)	17462	0.17088	0.17(a)
12 Vinyl bromide	106	6.071	6.071	(0.583)	17715	0.17560	0.18(a)
13 Trichlorofluoromethane	101	6.157	6.173	(0.591)	58820	0.18830	0.19(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.157	7.168	(0.687)	33769	0.17531	0.18(a)
19 1,1-Dichloroethene	96	7.195	7.221	(0.691)	14963	0.18010	0.18(a)
23 Allyl chloride	41	7.880	7.890	(0.757)	14774	0.18314	0.18(a)
27 Methyl tert-butyl ether	73	8.752	8.516	(0.840)	39687	0.18650	0.19(a)
28 1,2-Dichloroethene (trans)	61	8.495	8.516	(0.816)	21621	0.17820	0.18(a)
30 n-Hexane	57	8.826	8.837	(0.847)	18854	0.18452	0.18(a)
31 1,1-Dichloroethane	63	9.206	9.222	(0.884)	25690	0.18429	0.18(a)
34 1,2-Dichloroethene (cis)	96	10.057	10.084	(0.966)	15113	0.18158	0.18(aM)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	10.415	10.431	(1.000)	809755	10.0000	
39 Chloroform	83	10.485	10.501	(1.007)	32814	0.18041	0.18(a)
40 Cyclohexane	84	10.752	10.774	(0.913)	16563	0.15787	0.16(a)
41 1,1,1-Trichloroethane	97	10.742	10.758	(0.912)	37631	0.15679	0.16(a)
42 Carbon tetrachloride	117	10.940	10.956	(0.929)	44126	0.16163	0.16(a)
43 2,2,4-Trimethylpentane	57	11.228	11.239	(0.953)	53236	0.16106	0.16(a)
44 Benzene	78	11.255	11.271	(0.955)	41779	0.19912	0.20
45 1,2-Dichloroethane	62	11.335	11.362	(0.962)	20727	0.18971	0.19(a)
46 n-Heptane	43	11.464	11.474	(0.973)	17539	0.17234	0.17(a)
* 47 1,4-Difluorobenzene	114	11.779	11.790	(1.000)	3164069	10.0000	
49 Trichloroethene	95	12.127	12.143	(1.030)	20120	0.19213	0.19(a)
50 1,2-Dichloropropane	63	12.496	12.512	(1.061)	11643	0.17280	0.17(a)
54 Bromodichloromethane	83	12.839	12.849	(1.090)	29952	0.16804	0.17(a)
55 1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	18827	0.19084	0.19(a)
58 Toluene	92	13.882	13.898	(0.879)	24889	0.19303	0.19(a)
59 1,3-Dichloropropene (trans)	75	14.224	14.240	(1.208)	17962	0.17962	0.18(a)
60 1,1,2-Trichloroethane	83	14.492	14.508	(0.918)	12333	0.19213	0.19(a)
61 Tetrachloroethene	166	14.631	14.647	(0.927)	28739	0.19688	0.20
63 Dibromochloromethane	129	15.027	15.043	(0.952)	29742	0.16825	0.17(a)
64 1,2-Dibromoethane	107	15.230	15.246	(0.965)	22399	0.18342	0.18(a)
* 65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2745353	10.0000	
66 Chlorobenzene	112	15.824	15.834	(1.002)	32552	0.19192	0.19(a)
68 Ethylbenzene	91	15.893	15.909	(1.007)	44898	0.16574	0.17(a)
69 Xylene (m,p)	106	16.038	16.054	(1.016)	35991	0.33567	0.34(a)
71 Xylene (o)	106	16.546	16.557	(1.048)	19532	0.17119	0.17(a)
72 Styrene	104	16.567	16.578	(1.049)	21053	0.14514	0.15(aM)
73 Bromoform	173	16.846	16.856	(1.067)	24760	0.14333	0.14(a)
75 1,1,2,2-Tetrachloroethane	83	17.338	17.354	(1.098)	27408	0.16640	0.17(a)
79 4-Ethyltoluene	105	17.552	17.562	(1.112)	43072	0.14726	0.15(a)
80 2-Chlorotoluene	91	17.584	17.595	(1.114)	52919	0.17846	0.18(a)
81 1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	45683	0.16800	0.17(a)
84 1,2,4-Trimethylbenzene	105	18.065	18.071	(1.144)	38522	0.14930	0.15(a)
87 1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	25459	0.15674	0.16(a)
88 1,4-Dichlorobenzene	146	18.579	18.595	(1.177)	23885	0.15870	0.16(a)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	25412	0.15455	0.15(aQ)
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	24170	0.15555	0.16(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	gghh004.d	Date:	13-MAR-2012 12:33
Client ID:	lcs 303351	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



Manual Integration Report

Data File: gghh004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 13-MAR-2012 12:33
Instrument ID: G.i
Client ID: lcs 303351
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 03/14/2012

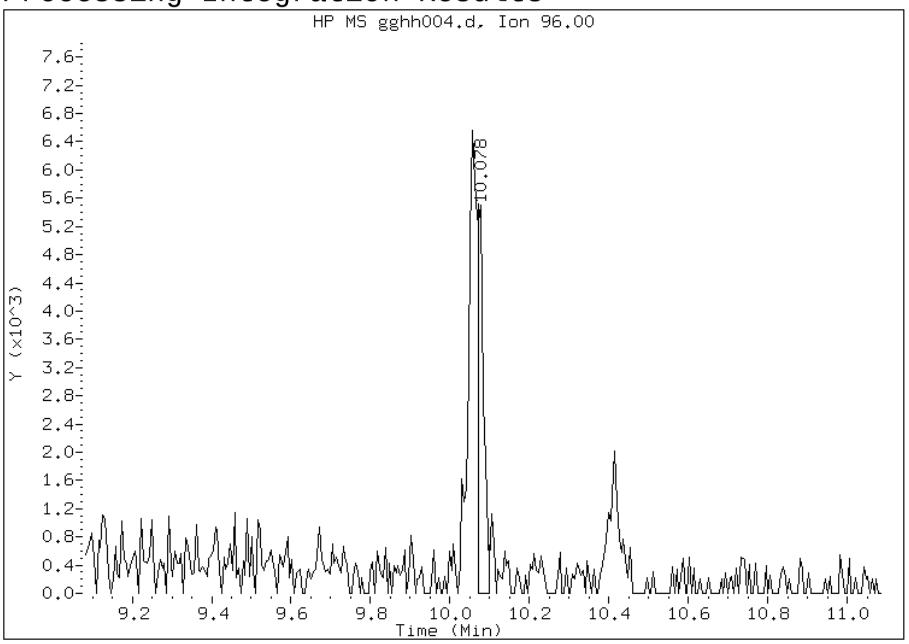
Processing Integration Results

RT: 10.08

Response: 5328

Amount: 0.064026

Conc: 0.064026



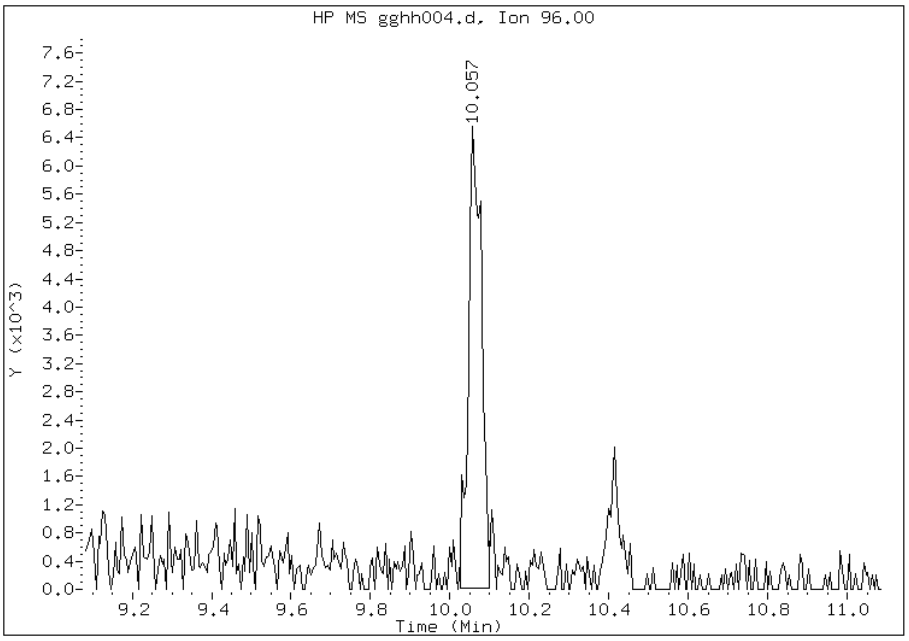
Manual Integration Results

RT: 10.06

Response: 15113

Amount: 0.181581

Conc: 0.181581



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: LCS 200-34961/5

Matrix: Air Lab File ID: gghh005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 13:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.453	J	0.50	0.013
75-00-3	Chloroethane	0.425	J	0.50	0.016
75-09-2	Methylene Chloride	0.504		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh005.d
Lab Smp Id: lcs 303354 Client Smp ID: lcs 303354
Inj Date : 13-MAR-2012 13:22
Operator : pad Inst ID: G.i
Smp Info : lcs 303354
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

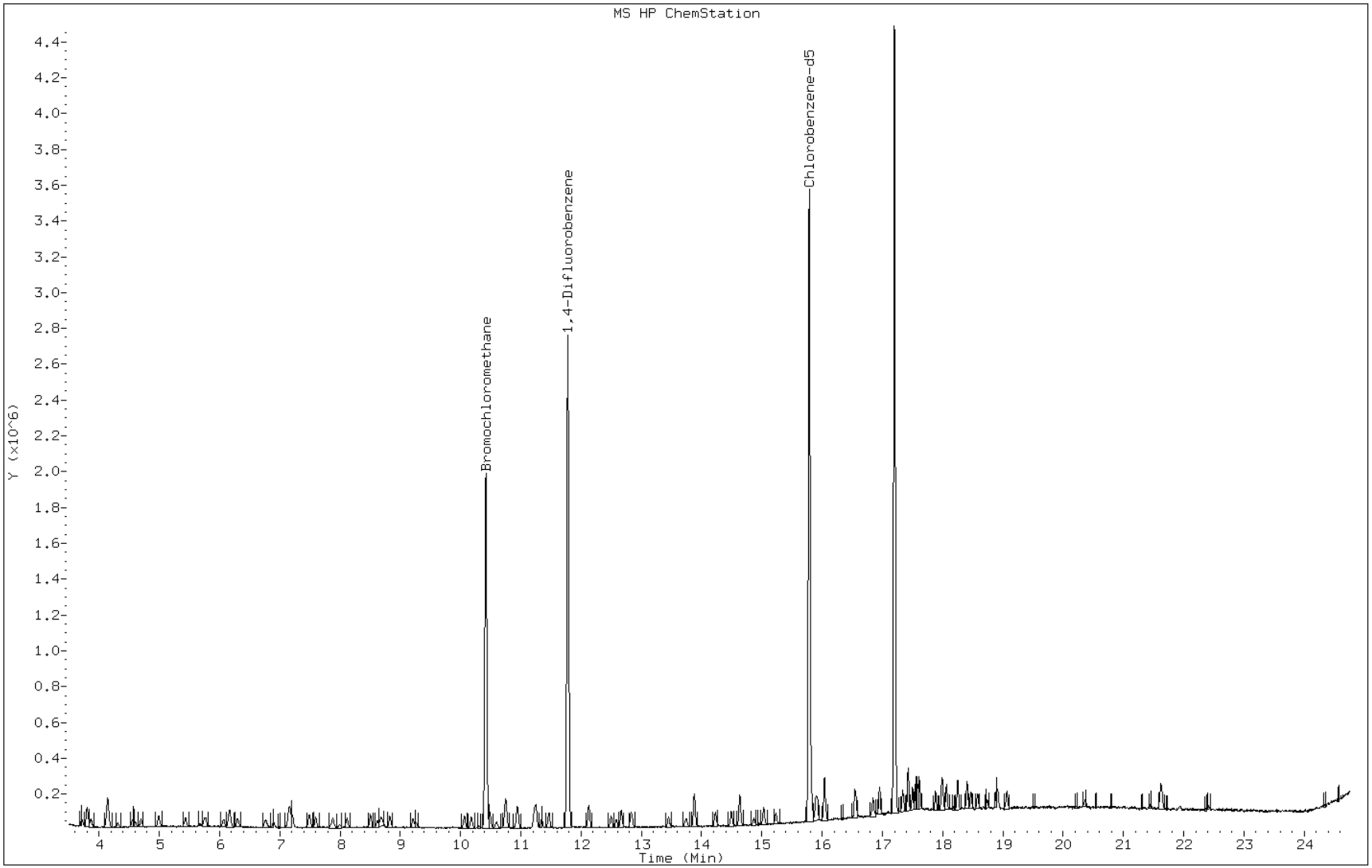
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	145426	0.47966	0.48(a)
	5 Chloromethane	50	4.316	4.311	(0.414)	32658	0.45280	0.45(a)
	10 Chloroethane	64	5.681	5.681	(0.545)	15898	0.42498	0.42(a)
	21 Carbon disulfide	76	7.596	7.612	(0.729)	101513	0.45034	0.45(a)
	25 Methylene chloride	49	8.115	8.126	(0.779)	36110	0.50381	0.50(Q)
	36 Methyl Ethyl Ketone	72	10.180	10.100	(0.977)	14156	0.50368	0.50(Q)
*	37 Bromochloromethane	128	10.420	10.431	(1.000)	738945	10.0000	
*	47 1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2922370	10.0000	
	51 Methyl methacrylate	69	12.582	12.566	(1.068)	18918	0.35825	0.36(aQ)
	56 Methyl isobutyl ketone	43	13.743	13.673	(1.167)	40454	0.42099	0.42(a)
*	65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2500569	10.0000	
	94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	12164	0.19235	0.19(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File:	gghh005.d	Date:	13-MAR-2012 13:22
Client ID:	lcs 303354	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303354		
Lab Sample ID:	lcs 303354		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: LCS 200-35378/4

Matrix: Air Lab File ID: ckqr004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 15:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.180	J	0.20	0.018
75-01-4	Vinyl chloride	0.162	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.173	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.199	J	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.237		0.20	0.035
107-06-2	1,2-Dichloroethane	0.231		0.20	0.031
79-01-6	Trichloroethene	0.184	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.174	J	0.20	0.019
127-18-4	Tetrachloroethene	0.177	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.166	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 20-MAR-2012 15:39
Operator : pad Inst ID: C.i
Smp Info : lcs 303351
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

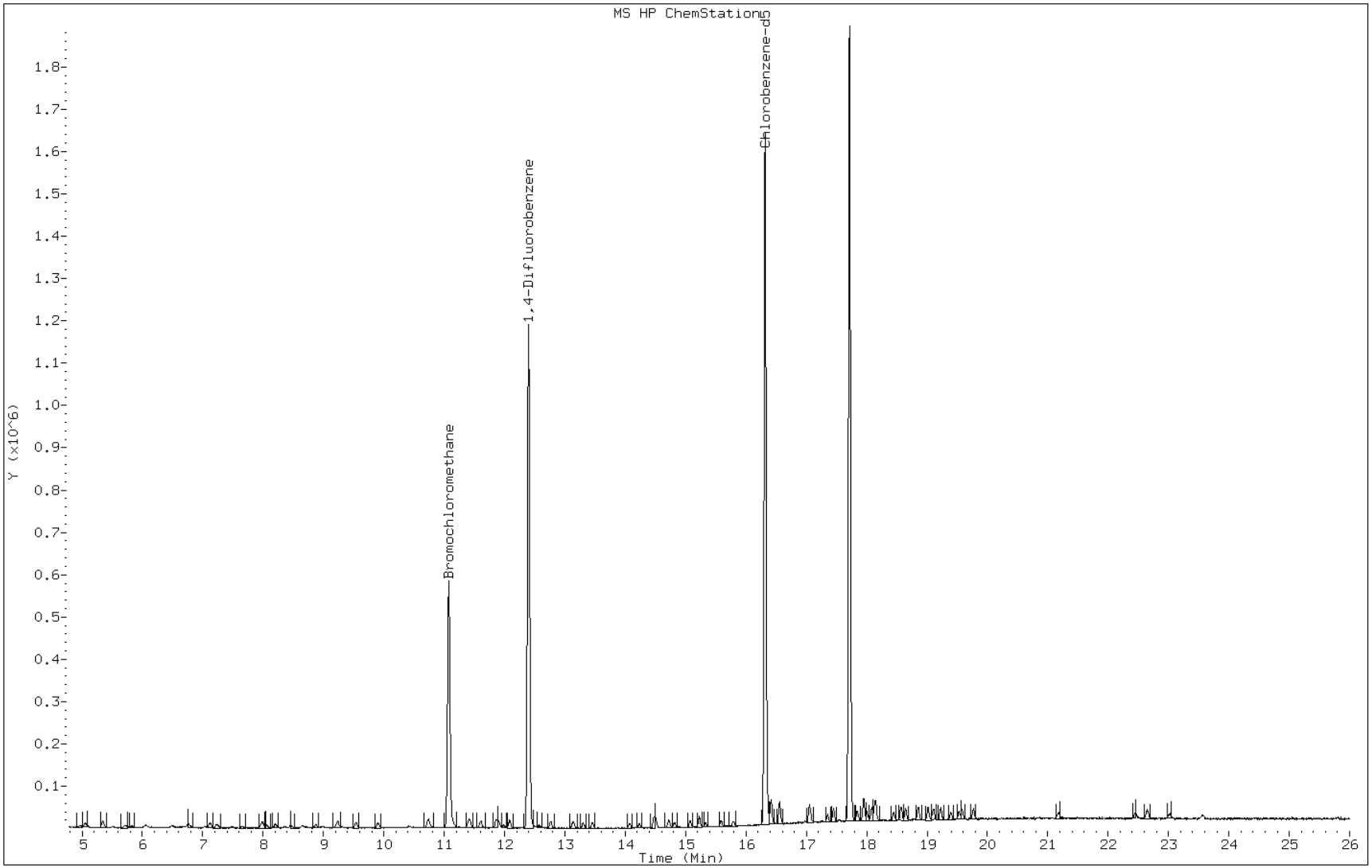
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	15264	0.19292	0.19(a)
7 Vinyl chloride	62	5.756	5.767	(0.520)	4646	0.16194	0.16(a)
8 1,3-Butadiene	54	5.826	5.842	(0.526)	3157	0.14572	0.15(a)
9 Bromomethane	94	6.493	6.503	(0.586)	4470	0.17711	0.18(aQ)
12 Vinyl bromide	106	7.043	7.053	(0.636)	4923	0.18378	0.18(a)
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	16996	0.24113	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.998	(0.721)	10177	0.18621	0.19(a)
19 1,1-Dichloroethene	96	8.073	8.072	(0.729)	5402	0.19359	0.19(aM)
23 Allyl chloride	41	8.660	8.675	(0.782)	6316	0.15417	0.15(a)
27 Methyl tert-butyl ether	73	9.225	9.215	(0.833)	15735	0.20430	0.20
28 1,2-Dichloroethene (trans)	61	9.241	9.263	(0.834)	7331	0.17255	0.17(a)
30 n-Hexane	57	9.540	9.556	(0.861)	8863	0.17503	0.18(a)
31 1,1-Dichloroethane	63	9.903	9.924	(0.894)	10203	0.19028	0.19(a)
34 1,2-Dichloroethene (cis)	96	10.736	10.746	(0.969)	6246	0.19886	0.20(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	11.077	11.098	(1.000)	232644	10.0000	
39 Chloroform	83	11.131	11.146	(1.005)	12890	0.20999	0.21
40 Cyclohexane	84	11.435	11.451	(0.922)	7346	0.16189	0.16(aQ)
41 1,1,1-Trichloroethane	97	11.414	11.424	(0.921)	14892	0.23671	0.24(M)
42 Carbon tetrachloride	117	11.606	11.621	(0.936)	14312	0.23308	0.23
43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	26521	0.17184	0.17(a)
44 Benzene	78	11.910	11.926	(0.961)	17992	0.17978	0.18(a)
45 1,2-Dichloroethane	62	11.979	12.006	(0.966)	8825	0.23108	0.23(M)
46 n-Heptane	43	12.091	12.102	(0.975)	10530	0.18662	0.19(a)
* 47 1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1324256	10.0000	
49 Trichloroethene	95	12.764	12.785	(1.030)	7935	0.18425	0.18(aQ)
50 1,2-Dichloropropane	63	13.132	13.148	(1.059)	5759	0.16860	0.17(aQ)
54 Bromodichloromethane	83	13.452	13.479	(1.085)	12445	0.18961	0.19(a)
55 1,3-Dichloropropene (cis)	75	14.071	14.092	(1.135)	9693	0.18550	0.19(a)
58 Toluene	92	14.504	14.525	(0.889)	12636	0.17284	0.17(a)
59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	10465	0.20915	0.21
60 1,1,2-Trichloroethane	83	15.069	15.090	(0.923)	5837	0.17415	0.17(a)
61 Tetrachloroethene	166	15.229	15.245	(0.933)	9670	0.17721	0.18(a)
63 Dibromochloromethane	129	15.587	15.608	(0.955)	10750	0.16849	0.17(aQ)
64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	10459	0.17071	0.17(aQ)
* 65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1211269	10.0000	
66 Chlorobenzene	112	16.361	16.377	(1.003)	15854	0.16749	0.17(aQ)
68 Ethylbenzene	91	16.414	16.435	(1.006)	27423	0.18498	0.18(a)
69 Xylene (m,p)	106	16.558	16.574	(1.015)	19894	0.33714	0.34(aQ)
71 Xylene (o)	106	17.044	17.065	(1.044)	10174	0.17781	0.18(aQ)
72 Styrene	104	17.065	17.086	(1.046)	13530	0.15244	0.15(a)
73 Bromoform	173	17.354	17.375	(1.063)	9188	0.16251	0.16(a)
75 1,1,2,2-Tetrachloroethane	83	17.845	17.866	(1.094)	14116	0.16646	0.17(a)
79 4-Ethyltoluene	105	18.085	18.100	(1.108)	28252	0.17111	0.17(aM)
80 2-Chlorotoluene	91	18.138	18.154	(1.112)	29103	0.19737	0.20
81 1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	24976	0.18311	0.18(aM)
84 1,2,4-Trimethylbenzene	105	18.640	18.661	(1.142)	24093	0.17877	0.18(a)
87 1,3-Dichlorobenzene	146	19.109	19.131	(1.171)	16257	0.17774	0.18(a)
88 1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	16976	0.18865	0.19(a)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.211)	15377	0.17727	0.18(a)
95 1,3-Hexachlorobutadiene	225	22.658	22.685	(1.389)	7242	0.18263	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr004.d	Date:	20-MAR-2012 15:39
Client ID:	lcs 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 03/21/2012

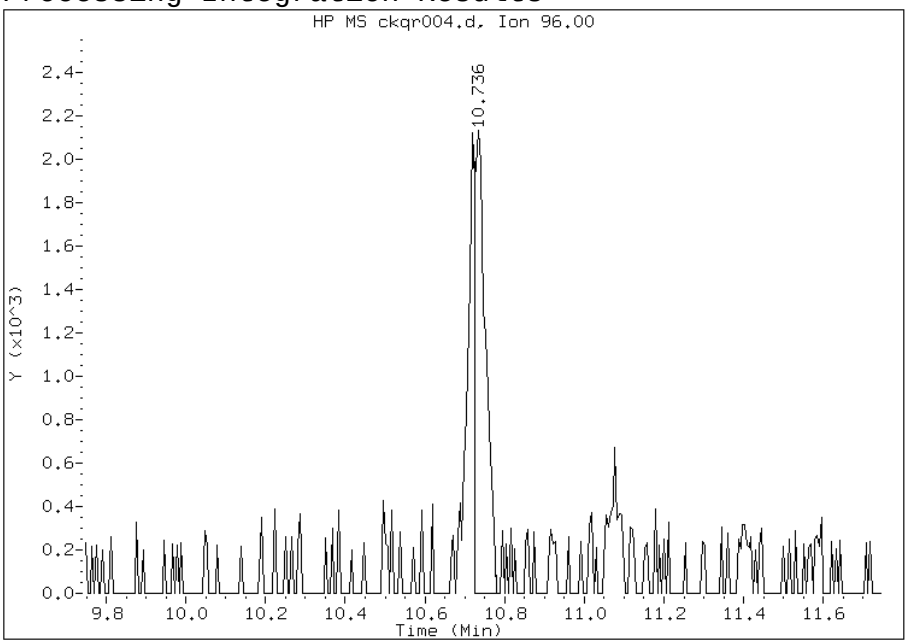
Processing Integration Results

RT: 10.74

Response: 4186

Amount: 0.133271

Conc: 0.133271



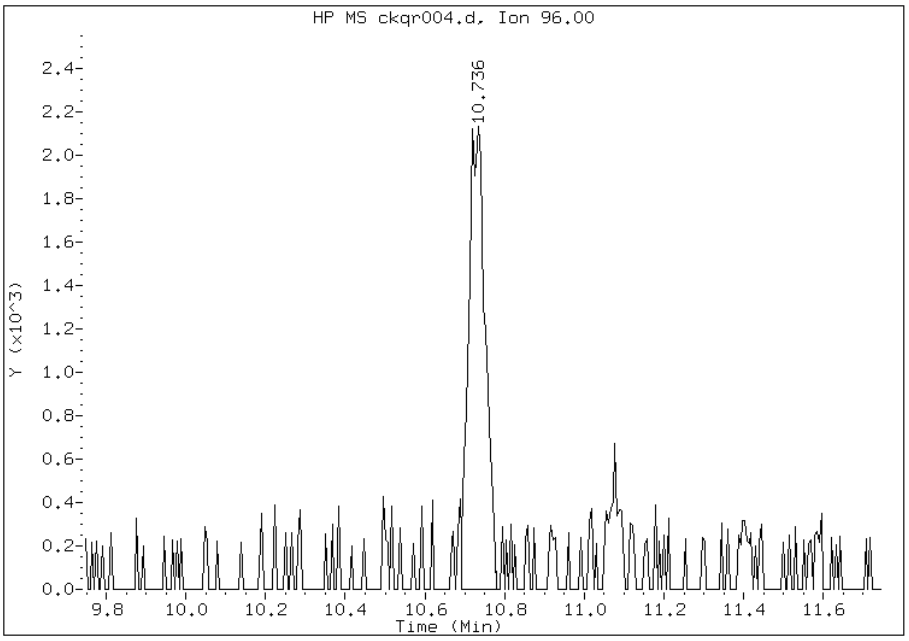
Manual Integration Results

RT: 10.74

Response: 6246

Amount: 0.198856

Conc: 0.198856



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 41 1,1,1-Trichloroethane
CAS #: 71-55-6
Report Date: 03/21/2012

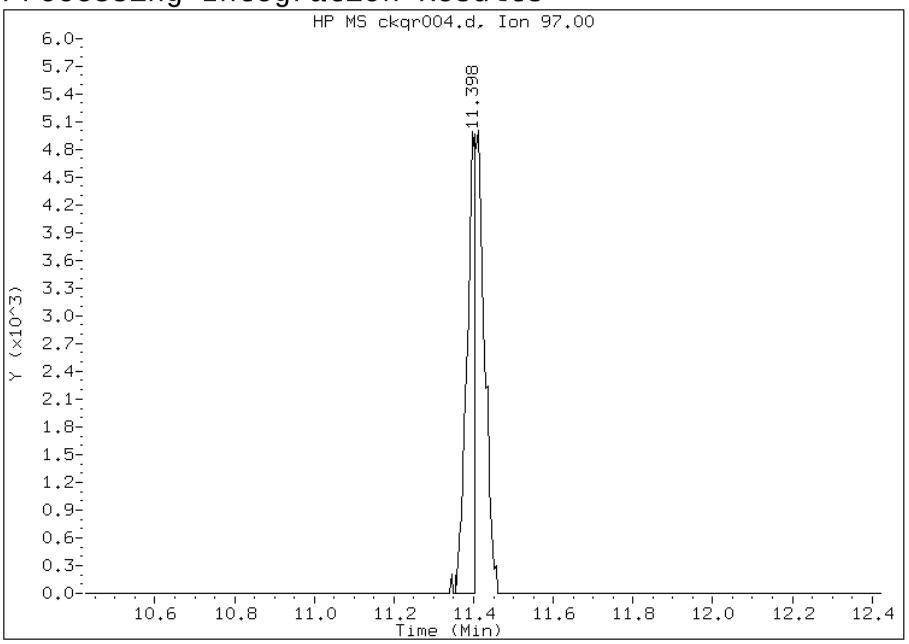
Processing Integration Results

RT: 11.40

Response: 7237

Amount: 0.115034

Conc: 0.115034



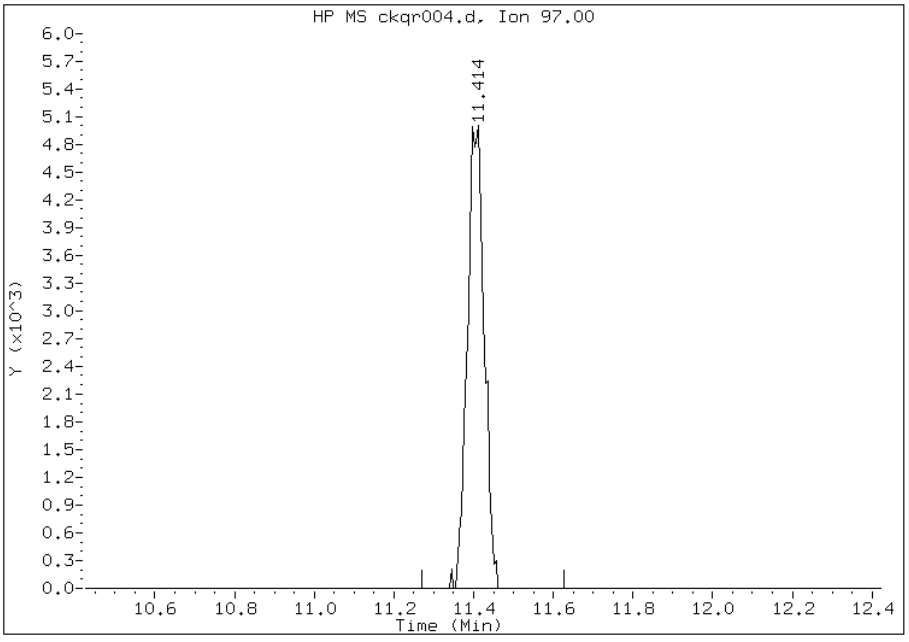
Manual Integration Results

RT: 11.41

Response: 14892

Amount: 0.236711

Conc: 0.236711



File Uploaded By: pd
Manual Integration Reason: Baseline event

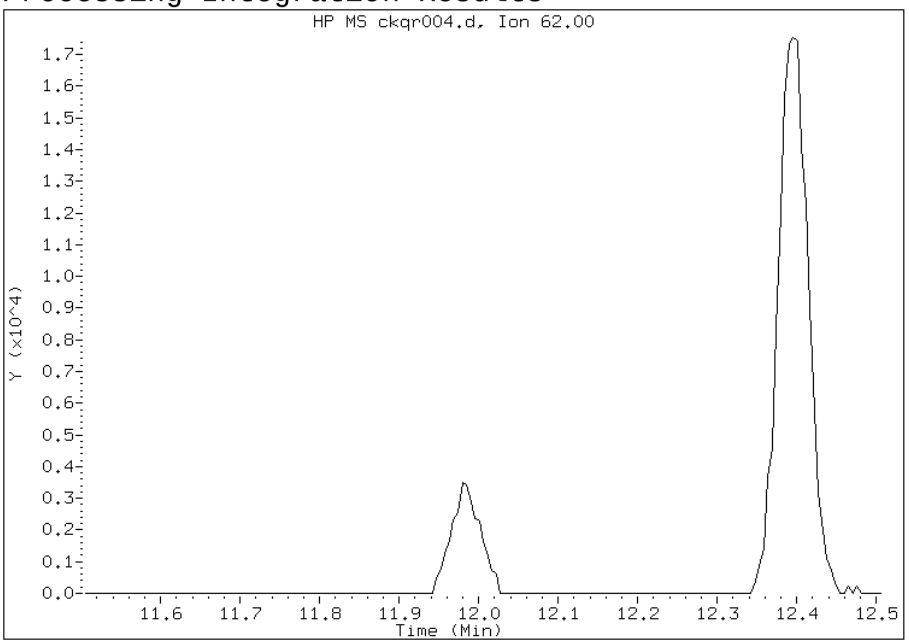
Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 45 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 03/21/2012

Processing Integration Results

Not Detected

Expected RT: 12.01



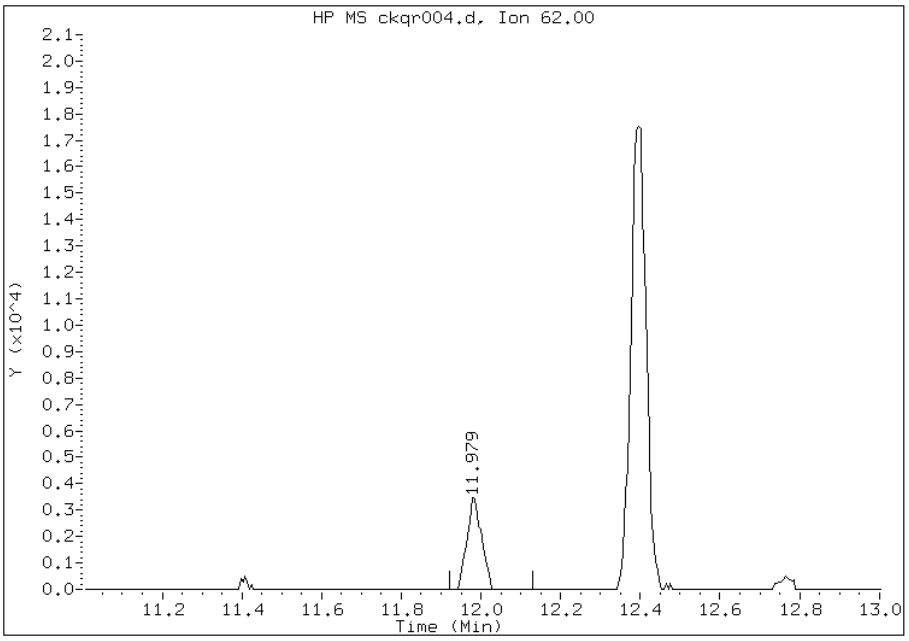
Manual Integration Results

RT: 11.98

Response: 8825

Amount: 0.231081

Conc: 0.231081



File Uploaded By: pd
Manual Integration Reason: Analyte misidentified by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: LCS 200-35378/5

Matrix: Air Lab File ID: ckqr005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 16:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.480	J	0.50	0.013
75-00-3	Chloroethane	0.472	J	0.50	0.016
75-09-2	Methylene Chloride	0.535		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr005.d
Lab Smp Id: lcs 303354
Inj Date : 20-MAR-2012 16:29
Operator : pad Inst ID: C.i
Smp Info : lcs 303354
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

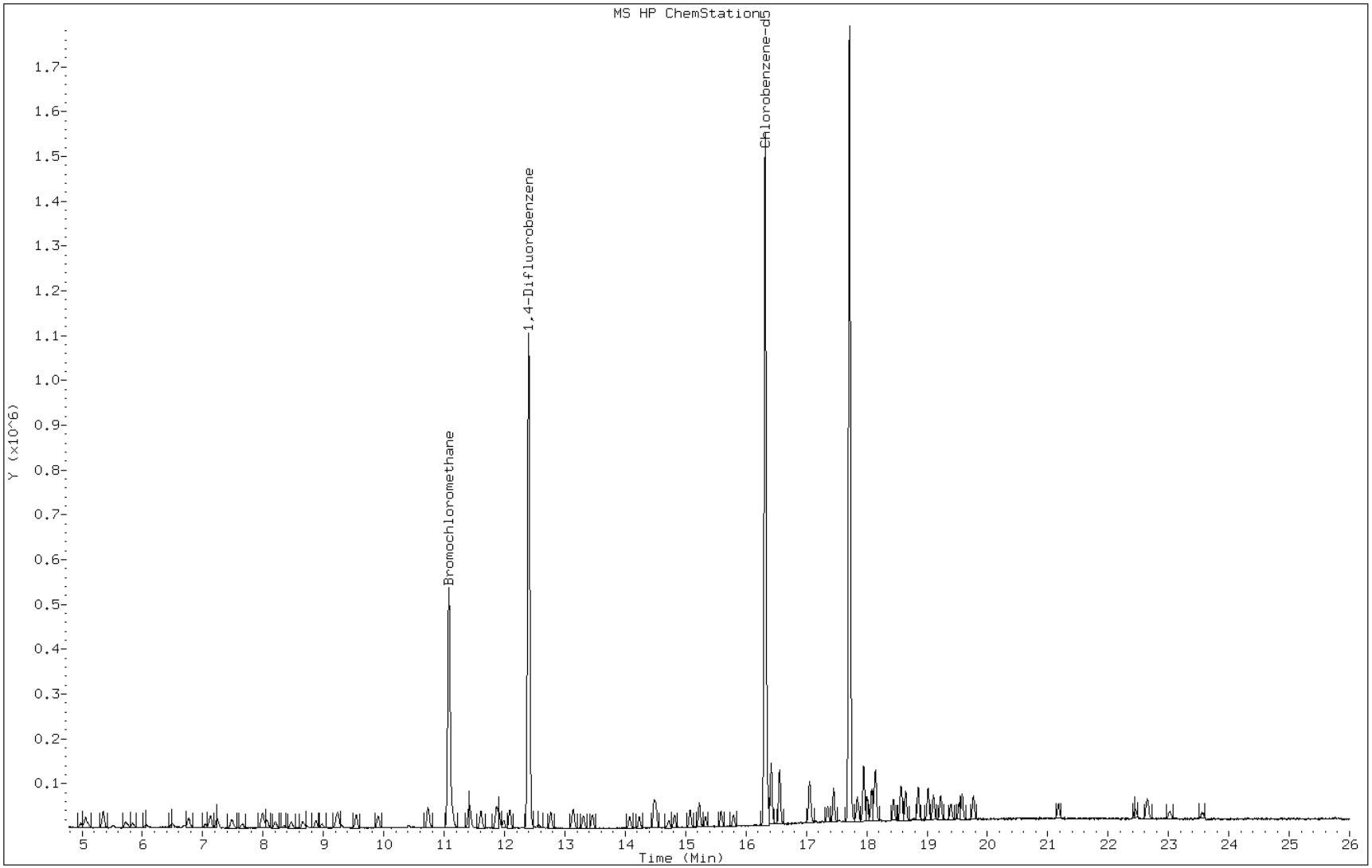
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	37748	0.60159	0.60
	5 Chloromethane	50	5.511	5.511	(0.497)	10616	0.47995	0.48(a)
	10 Chloroethane	64	6.701	6.696	(0.605)	6161	0.47226	0.47(a)
	21 Carbon disulfide	76	8.467	8.478	(0.764)	31747	0.41328	0.41(a)
	25 Methylene chloride	49	8.873	8.889	(0.801)	14351	0.53478	0.53
	36 Methyl Ethyl Ketone	72	10.741	10.736	(0.970)	5838	0.45792	0.46(aQM)
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	214019	10.0000	
*	47 1,4-Difluorobenzene	114	12.401	12.417	(1.000)	1213371	10.0000	
	51 Methyl methacrylate	69	13.148	13.159	(1.060)	11754	0.45203	0.45(aQ)
	56 Methyl isobutyl ketone	43	14.237	14.237	(1.148)	24231	0.50465	0.50
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1128680	10.0000	
	94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	13937	0.33971	0.34(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr005.d	Date:	20-MAR-2012 16:29
Client ID:		Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303354		
Lab Sample ID:	lcs 303354		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Client Sample ID: Lab Sample ID: LCS 200-35786/4

Matrix: Air Lab File ID: ckqw004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 13:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.182	J	0.20	0.018

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 27-MAR-2012 13:07
Operator : pad Inst ID: C.i
Smp Info : lcs 303351
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

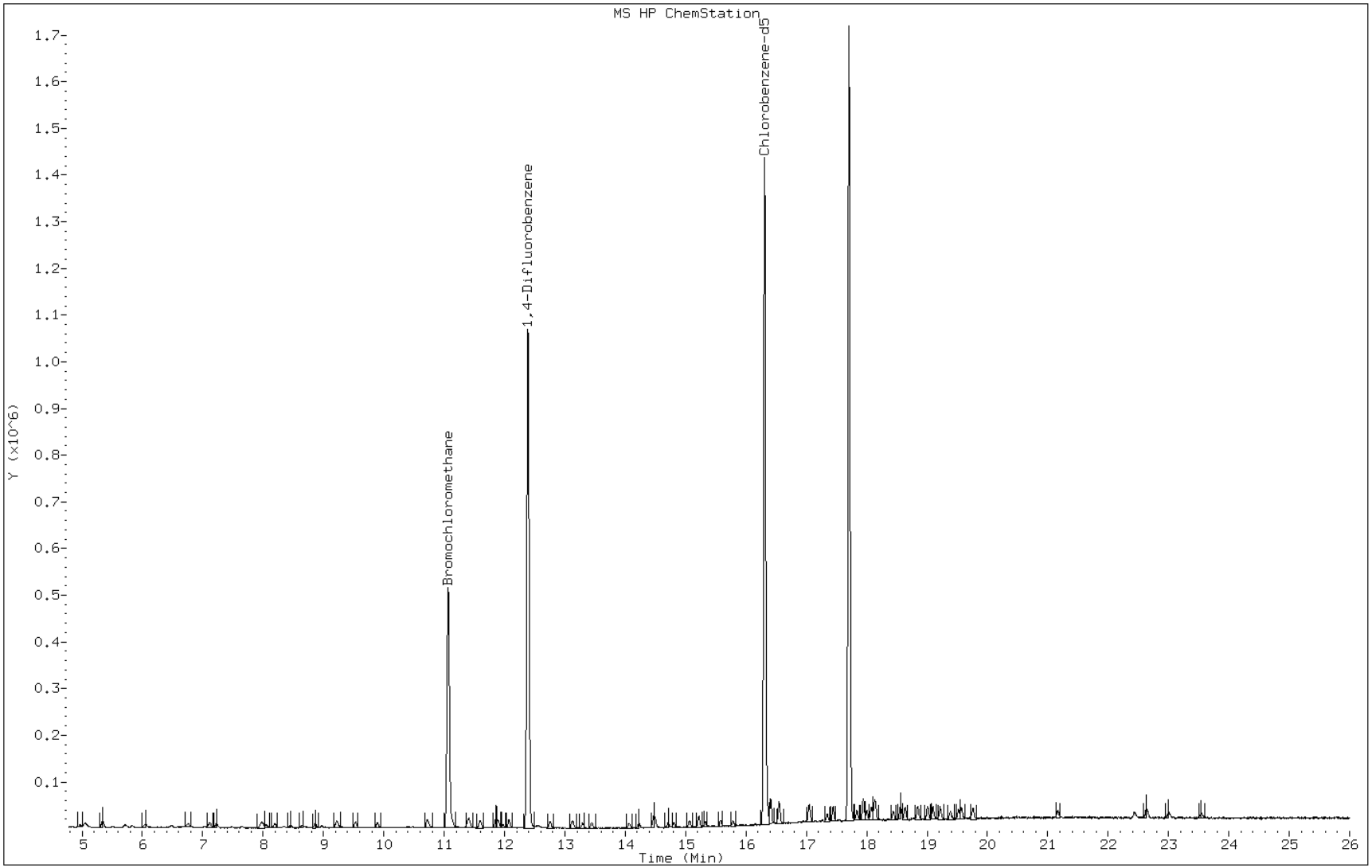
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.335	5.351	(0.482)	13794	0.20134	0.20(Q)
7 Vinyl chloride	62	5.751	5.767	(0.520)	4362	0.17559	0.18(a)
8 1,3-Butadiene	54	5.836	5.842	(0.527)	2827	0.15070	0.15(a)
9 Bromomethane	94	6.482	6.503	(0.586)	4308	0.19713	0.20
12 Vinyl bromide	106	7.048	7.053	(0.637)	4052	0.17469	0.17(a)
13 Trichlorofluoromethane	101	7.117	7.138	(0.643)	17077	0.27980	0.28
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.971	7.998	(0.720)	9333	0.19722	0.20
19 1,1-Dichloroethene	96	8.046	8.072	(0.727)	4584	0.18972	0.19(aM)
23 Allyl chloride	41	8.649	8.675	(0.782)	6406	0.18059	0.18(a)
27 Methyl tert-butyl ether	73	9.220	9.215	(0.833)	14898	0.22339	0.22
28 1,2-Dichloroethene (trans)	61	9.236	9.263	(0.835)	7158	0.19457	0.19(a)
30 n-Hexane	57	9.524	9.556	(0.861)	8005	0.18257	0.18(a)
31 1,1-Dichloroethane	63	9.898	9.924	(0.894)	8753	0.18852	0.19(a)
34 1,2-Dichloroethene (cis)	96	10.720	10.746	(0.969)	5052	0.18575	0.19(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
*	37 Bromochloromethane	128	11.067	11.098	(1.000)	201444	10.0000	
	39 Chloroform	83	11.125	11.146	(1.005)	11808	0.22216	0.22(M)
	40 Cyclohexane	84	11.424	11.451	(0.922)	6997	0.17731	0.18(a)
	41 1,1,1-Trichloroethane	97	11.397	11.424	(0.920)	14286	0.26110	0.26
	42 Carbon tetrachloride	117	11.590	11.621	(0.936)	13993	0.26203	0.26
	43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.958)	25001	0.18626	0.19(a)
	44 Benzene	78	11.904	11.926	(0.961)	15814	0.18170	0.18(a)
	45 1,2-Dichloroethane	62	11.974	12.006	(0.967)	8046	0.24225	0.24
	46 n-Heptane	43	12.081	12.102	(0.975)	10299	0.20988	0.21
*	47 1,4-Difluorobenzene	114	12.385	12.417	(1.000)	1151689	10.0000	
	49 Trichloroethene	95	12.753	12.785	(1.030)	7380	0.19704	0.20
	50 1,2-Dichloropropane	63	13.127	13.148	(1.060)	5144	0.17316	0.17(aQ)
	54 Bromodichloromethane	83	13.452	13.479	(1.086)	12029	0.21073	0.21
	55 1,3-Dichloropropene (cis)	75	14.071	14.092	(1.136)	9100	0.20024	0.20
	58 Toluene	92	14.498	14.525	(0.889)	10717	0.16608	0.17(a)
	59 1,3-Dichloropropene (trans)	75	14.808	14.834	(1.196)	9451	0.21719	0.22
	60 1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	4788	0.16185	0.16(aQ)
	61 Tetrachloroethene	166	15.219	15.245	(0.933)	8802	0.18275	0.18(aQ)
	63 Dibromochloromethane	129	15.576	15.608	(0.955)	10297	0.18285	0.18(a)
	64 1,2-Dibromoethane	107	15.779	15.811	(0.967)	9111	0.16849	0.17(a)
*	65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	1069112	10.0000	
	66 Chlorobenzene	112	16.339	16.377	(1.002)	14962	0.17908	0.18(aQM)
	68 Ethylbenzene	91	16.409	16.435	(1.006)	24702	0.18879	0.19(a)
	69 Xylene (m,p)	106	16.548	16.574	(1.014)	16417	0.31521	0.32(aQ)
	71 Xylene (o)	106	17.044	17.065	(1.045)	9159	0.18136	0.18(aQ)
	72 Styrene	104	17.060	17.086	(1.046)	11726	0.14969	0.15(aQ)
	73 Bromoform	173	17.343	17.375	(1.063)	8132	0.16296	0.16(a)
	75 1,1,2,2-Tetrachloroethane	83	17.839	17.866	(1.094)	12438	0.16618	0.17(a)
	79 4-Ethyltoluene	105	18.079	18.100	(1.108)	25578	0.17551	0.18(a)
	80 2-Chlorotoluene	91	18.127	18.154	(1.111)	26451	0.20324	0.20
	81 1,3,5-Trimethylbenzene	105	18.143	18.170	(1.112)	23335	0.19383	0.19(a)
	84 1,2,4-Trimethylbenzene	105	18.634	18.661	(1.142)	20802	0.17488	0.17(a)
	87 1,3-Dichlorobenzene	146	19.099	19.131	(1.171)	15344	0.19006	0.19(a)
	88 1,4-Dichlorobenzene	146	19.221	19.248	(1.178)	15120	0.19037	0.19(a)
	92 1,2-Dichlorobenzene	146	19.760	19.792	(1.211)	13701	0.17895	0.18(a)
	95 1,3-Hexachlorobutadiene	225	22.642	22.685	(1.388)	7116	0.20331	0.20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqw004.d	Date:	27-MAR-2012 13:07
Client ID:	lcs 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345053 2	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager KAD	Analyst WRD	Analyst AHK	Analyst PAD	Analyst
Name/Initial	Kristine Dusablon	William DeJarnette	Angela H. Keene	Paul Daigle	
Signature	Kristine Dusablon		Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	ok
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3510	IC Level 8		2	40		NA	✓	WRD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC Level 4	2/24/12	5				✓		275682
1413	008	3643	IC Level 5	2/24/12	6				✓		279073
1503	009	3557	IC Level 6	2/24/12	7				✓		279072
1553	010	3631	IC Level 7	2/24/12	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	2/24/12	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Valve Closed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960			9			✓	NA		290911 Valve Closed
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	ok
2324	017 019	5033	680-76954-1	10	10	20	WRD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 023	4565	-5	964	14	35		✓ KLP 2/28/12	✓		CDF 168.78 ~~ER~~ OR
0337	022 024	4471	9412-17	2.99	15	67	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	1.31	23	26		✓	✓		CDF 1.201 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID:	C2KQ	Start Date: 2/24/12 Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method:	TCLJ / TOKLL-1	End Date: 2/25/12 Time: 0322	CAL STD Lot # See comments	Instrument: 5973
ICAL Date:	02/24/12		ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

	Sequence Information							Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4477	9412-23	10	6	20					
	~~↓ 029~~	5044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQR	Start Date: 03/20/12	Time: 1213	ISTD Lot #: 248052	Instrument ID: C
Test Method: NJ-LC	End Date: 03/21/12	Time: 1213	CAL STD Lot # 302592	Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager MTP	Analyst	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	Paul Daigle	Angela H. Keene		
Signature	Mark Phillips	Paul Daigle PAD	Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1213	CKQR 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1303	002	3040	CCVIS		1	200		↓	✓		AG
1449	003	4635	MB		2			✓	✓		
1539	004	5015	0.2RLLCS		3			✓	✓	↓	303351 AG
1629	005	4837	0.5RLLCS		4			✓	✓	AHK	303354 AG
1719	006	3544	5.0RLLCS		5	↓		✓	✓	↓	302596 AG
1809	007	4814	9600-11	1	6	200		✓	↑ ✓	PAD	AG 72 R TICS ✓ C
1859	008	4076	-12		7			✓	✓		C
1949	009	5025	-13		8			✓	✓		C
2039	010	4811	-14	↓	9	↓		✓	✓		C
2129	011	2859	9749-02	10	10	20		✓	—		R 1:1
2219	012	4336	-03	1	11	200		✓	✓		TICS ✓ C
2309	013	5042	-04	↓	12	200		✓	✓		C
2358	014	5135	9830-01	10	13	20		✓	✓		TICS ✓ C
0048	015	4460	9749-08	1	14	200		✓	✓		C
0138	016	4777	-10	10	15	20		✓	✓		C
0228	017	3521	-11		16			✓	✓		C
0318	018	3602	-12		1			✓	✓		C
0408	019	4149	-15	↓	2	↓		✓	✓		C
0458	020	4023	9903-10	0.4	3	500		✓	✓		
0548	021	5132	9750-05	10	4	20		✓	✓		C
0638	022	4112	-10	10	5	20	↓	✓	✓		C
0727	023	4814	9600-11	2.90	6	69	AHK	✓	✓		TICS ✓ C
0818	024	4911	9750-11	10	7	20		✓	✓		C
0907	025	2678	-12		8			✓	✓		C
0957	026	4477	-13	↓	9	↓		✓	✓		C
1047	↓ 027	3040	CCVC	N/A	10	200	↓	✓	✓	↓	AG

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence				Standard Traceability		Instrument Information
Target Batch ID: CKQW	Start Date: 3/27/12	Time: 1036		ISTD Container ID: 248052		Instrument ID: C
Test Method: NJ-LL	End Date: 3/28/12	Time: 1036		CCV Container ID: 302592		Instrument: 5973
ICAL Date: 02/24/12				ICV/LCS Container ID: See comments		Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Paul Daigle — Mark Phillips — Angela H. Keene
Pad O/T PAD — Mark Phillips — Angela H. Keene

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1036	CKQW001	N/A	BFB	N/A			PAD	N/H	✓	PAD	
1126	002	3040	CCVIS		1	200		↓	✓		AG
1217	003	4633	MB		2	200		✓	✓		
1307	004	5015	0.2RLLCS		3	200		✓	✓		303351 AG
1400	005	4837	0.5RLLCS		4	200		✓	✓		303354 AG
1522	006	3544	5.0RLLCS		5	200		✓	✓		302596 AG
1612	007	4261	9735-14	1	6	200		✓	✓		C
1702	008	5111	-15		7			✓	✓		C
1752	009	3289	-16		8			✓	✓		C
1842	010	2859	9749-02	1	9	200		✓	✓		TICs ✓ C
1932	011	3162	9750-14	10	10	20		✓	✓		C
2022	012	5063	-15		11			✓	✓		C
2112	013	5120	-16		12			✓	✓		C
2202	014	3369	-17		13			✓	✓		C
2252	015	5075	-18		14			✓	✓		C
2342	016	5048	9830-02	1	15	200		✓	✓		TICs ✓ C
0031	017	2596	-03	1	16	200		✓	✓		TICs ✓ C
0121	018	4872	9829-01	1	1	200		✓	✓		C
0211	019	5153	-02		2			✓	✓		C
0301	020	3686	-03		3			✓	✓		C
0351	021	3454	9880-01	1	4	200		✓	✓		C
0441	022	3017	-02	1	5	200		✓	✓		C
0531	023	4266	9953-01	1	6	200	AHK	✓	✓		C
0621	024	3526	-02	1	7	200		✓	✓		C
0711	025	3232	MD15-01	1	8	200		✓	✓		C
0801	026	2601	-02	1	9	200		✓	✓		C
0851	027	2844	10036-11	0.4	10	500		✓	✓		
0940	028	3040	CCVC	NA	11	200		✓	✓	↓	AG
	029										PAD 3/28/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Start Date: 03/20/2012 12:13

Analysis Batch Number: 35378 End Date: 03/21/2012 10:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35378/1		03/20/2012 12:13	1	ckqr001.d	RTX-624 0.32(mm)
CCVIS 200-35378/2		03/20/2012 13:03	1	ckqr002.d	RTX-624 0.32(mm)
MB 200-35378/3		03/20/2012 14:49	1	ckqr003.d	RTX-624 0.32(mm)
LCS 200-35378/4		03/20/2012 15:39	1	ckqr004.d	RTX-624 0.32(mm)
LCS 200-35378/5		03/20/2012 16:29	1	ckqr005.d	RTX-624 0.32(mm)
LCS 200-35378/6		03/20/2012 17:19	1	ckqr006.d	RTX-624 0.32(mm)
ZZZZZ		03/20/2012 18:09	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 18:59	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 19:49	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 20:39	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 21:29	10		RTX-624 0.32(mm)
200-9749-3	BLDG283 IA-2	03/20/2012 22:19	1	ckqr012.d	RTX-624 0.32(mm)
200-9749-4	BLDG283 AA-1	03/20/2012 23:09	1	ckqr013.d	RTX-624 0.32(mm)
ZZZZZ		03/20/2012 23:58	10		RTX-624 0.32(mm)
200-9749-8	BLDG101 AA-4	03/21/2012 00:48	1	ckqr015.d	RTX-624 0.32(mm)
200-9749-10	BLDG283 SS-1	03/21/2012 01:38	10	ckqr016.d	RTX-624 0.32(mm)
200-9749-11	BLDG283 SS-2	03/21/2012 02:28	10	ckqr017.d	RTX-624 0.32(mm)
200-9749-12	BLDG283 SS-3	03/21/2012 03:18	10	ckqr018.d	RTX-624 0.32(mm)
200-9749-15	BLDG1001 SS-12	03/21/2012 04:08	10	ckqr019.d	RTX-624 0.32(mm)
ZZZZZ		03/21/2012 04:58	0.4		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 05:48	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 06:38	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 07:27	2.9		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 08:18	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 09:07	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 09:57	10		RTX-624 0.32(mm)
CCVC 200-35378/27		03/21/2012 10:47	1	ckqr027.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: C.i Start Date: 03/27/2012 10:36

Analysis Batch Number: 35786 End Date: 03/28/2012 09:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35786/1		03/27/2012 10:36	1	ckqw001.d	RTX-624 0.32(mm)
CCVIS 200-35786/2		03/27/2012 11:26	1	ckqw002.d	RTX-624 0.32(mm)
MB 200-35786/3		03/27/2012 12:17	1	ckqw003.d	RTX-624 0.32(mm)
LCS 200-35786/4		03/27/2012 13:07	1	ckqw004.d	RTX-624 0.32(mm)
LCS 200-35786/5		03/27/2012 14:00	1	ckqw005.d	RTX-624 0.32(mm)
LCS 200-35786/6		03/27/2012 15:22	1	ckqw006.d	RTX-624 0.32(mm)
ZZZZZ		03/27/2012 16:12	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 17:02	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 17:52	1		RTX-624 0.32(mm)
200-9749-2	BLDG283 IA-1	03/27/2012 18:42	1	ckqw010.d	RTX-624 0.32(mm)
ZZZZZ		03/27/2012 19:32	10		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 20:22	10		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 21:12	10		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 22:02	10		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 22:52	10		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 23:42	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 00:31	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 01:21	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 02:11	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 03:01	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 03:51	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 04:41	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 05:31	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 06:21	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 07:11	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 08:01	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 08:51	0.4		RTX-624 0.32(mm)
CCVC 200-35786/28		03/28/2012 09:40	1	ckqw028.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: G.i Start Date: 03/02/2012 14:16

Analysis Batch Number: 34489 End Date: 03/03/2012 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34489/1		03/02/2012 14:16	1	ggh001.d	RTX-624 0.32(mm)
VIBLK 200-34489/2		03/02/2012 15:05	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 15:54	1		RTX-624 0.32(mm)
IC 200-34489/4		03/02/2012 16:43	1	ggh004.d	RTX-624 0.32(mm)
ZZZZZ		03/02/2012 17:33	1		RTX-624 0.32(mm)
IC 200-34489/6		03/02/2012 18:22	1	ggh006.d	RTX-624 0.32(mm)
IC 200-34489/7		03/02/2012 19:11	1	ggh007.d	RTX-624 0.32(mm)
ICIS 200-34489/8		03/02/2012 20:00	1	ggh008.d	RTX-624 0.32(mm)
IC 200-34489/9		03/02/2012 20:48	1	ggh009.d	RTX-624 0.32(mm)
IC 200-34489/10		03/02/2012 21:37	1	ggh010.d	RTX-624 0.32(mm)
IC 200-34489/11		03/02/2012 22:27	1	ggh011.d	RTX-624 0.32(mm)
VIBLK 200-34489/12		03/02/2012 23:16	1		RTX-624 0.32(mm)
VIBLK 200-34489/13		03/03/2012 00:04	1		RTX-624 0.32(mm)
ZZZZZ		03/03/2012 00:53	1		RTX-624 0.32(mm)
VIBLK 200-34489/15		03/03/2012 01:42	1		RTX-624 0.32(mm)
ICV 200-34489/16		03/03/2012 02:31	1	ggh016.d	RTX-624 0.32(mm)
VIBLK 200-34489/17		03/03/2012 03:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9749-1

SDG No.: 200-9749-1

Instrument ID: G.i Start Date: 03/13/2012 10:00

Analysis Batch Number: 34961 End Date: 03/14/2012 05:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34961/1		03/13/2012 10:00	1	gghh001.d	RTX-624 0.32(mm)
CCVIS 200-34961/2		03/13/2012 10:50	1	gghh002.d	RTX-624 0.32(mm)
MB 200-34961/3		03/13/2012 11:44	1	gghh003.d	RTX-624 0.32(mm)
LCS 200-34961/4		03/13/2012 12:33	1	gghh004.d	RTX-624 0.32(mm)
LCS 200-34961/5		03/13/2012 13:22	1	gghh005.d	RTX-624 0.32(mm)
LCS 200-34961/6		03/13/2012 14:13	1	gghh006.d	RTX-624 0.32(mm)
ZZZZZ		03/13/2012 15:05	0.4		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 16:02	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 16:51	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 17:40	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 18:29	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 19:19	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 20:08	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 20:57	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 21:46	1		RTX-624 0.32(mm)
200-9749-1	BLDG1001 IA-7-R	03/13/2012 22:35	1	gghh016.d	RTX-624 0.32(mm)
200-9749-14	BLDG1001 SS-11	03/13/2012 23:23	10	gghh017.d	RTX-624 0.32(mm)
200-9749-16	BLDG699 IA-4	03/14/2012 00:12	1	gghh018.d	RTX-624 0.32(mm)
200-9749-17	BLDG699 AA-3	03/14/2012 01:01	1	gghh019.d	RTX-624 0.32(mm)
200-9749-18	BLDG700 IA-5	03/14/2012 01:50	1	gghh020.d	RTX-624 0.32(mm)
ZZZZZ		03/14/2012 02:39	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 03:28	1		RTX-624 0.32(mm)
CCVC 200-34961/23		03/14/2012 04:17	1	gghh023.d	RTX-624 0.32(mm)
CCVC 200-34961/24		03/14/2012 05:05	1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Bureau Veritas	9749	3/12/12	1930	29.5	22	G6/6	MP

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	4068	-4.6	N	3867	N	3620CKQF	
2	2859	0.6	Y	3938	Y	4872CKQC	24hr 48/p66
3	4336	0.0	Y	5251		3686CKQC	24hr 48/p64
4	5042	0.0	Y	3449		4872CKQC	24hr 48/p64
5	5089	0.0	Y	2530		5045CKQD	
6	5083	-1.1	N	4035		4872CKQC	
7	2879	0.6	Y	3130		5045CKQD	
8	4460	0.7	Y	2935			
9	5028	0.0	Y	3099			
10	4777	0.0	Y	4709	N	4872CKQC	
11	3521	-0.5	N	4710	Y	5045CKQD	200mL
12	3602	0.5	N	4711		4872CKQC	200mL
13	5157	-1.5		5011			200mL
14	2784	-2.8		4975			
15	4149	0.9		5293			
16	4281	-5.8		3742			24hr 48/p71
17	3028	-2.8		5222		3620CKQF	24hr 48/p69
18	2592	-5.6		3108			

mp 3/12/12

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 48/p64, p66, p69, p71

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
OVEN	25	2/23/12	KP	6L (1L) 3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4289	-28.8	-29.4	-29.4	0.0
2	4083				
3	4336				
4	3289				
5	4459				
6	2726				
7	3342				
8	3686				
9	4434				
10	4436				
11	3348				
12	4327	"	"	"	"

Initial Reading		Final Reading	
Gauge ID:	G1	Gauge ID:	G1
Date:	2/24/12	Date:	2/29/12
Time:	1130	Time:	1300
Tech:	SM	Tech:	SML
BP:	29.0 ("Hg)	BP:	29.6 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☒ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3686	2/28/12	CKQC	AHK				X		03/01/12	KP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: TO15 LL

200-9468-A-8
3686
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/23/2012 12:00 AM 200-293713

Loc: 200
9468
#8
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID	# Cycles	Cleaning Date	Technician	Canister Size			
TO15	5	2/27/12	VP	6L	1L	3L	

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2859	-29.3	-28.9	-28.9	0.0
2	4872				
3	5136				
4	7784				
5	4777				
6	5083				
7	5042				
8	2585				
9	3602				
10	4281				
11	5157				
12	4149				

Initial Reading		Final Reading	
Gauge ID:	G1	Gauge ID:	G1
Date:	2/27/12	Date:	3/1/12
Time:	1500	Time:	1130
Tech:	VP	Tech:	SW
BP:	29.5 ("Hg)	BP:	29.1 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☒ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4872	2/28/12	CLQC	AHK				X		03/01/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Cert can for NJ Lab

200-9496-A-2
4372
BR-1 Test
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/27/2012 12:00 AM 200-294314

Loc: 200
9496
#2
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test											
System ID			# Cycles		Cleaning Date		Technician		Canister Size		
OVEN			25		2/28/12		SML		(6L)	1L	3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: G1	Gauge ID: G1
1	4321	-29.5	-28.9	-28.9	0.0	Date: 2/29/12	Date: 3/1/12
2	5089	↓	↓	↓	↓	Time: 1030	Time: 1130
3	3273					Tech: SL	Tech: SL
4	5045					BP: 29.7 ("Hg)	BP: 29.1 ("Hg)
5	3866					Temp 22 (°C)	Temp: 22 (°C)
6	5028					[3]Acceptance Criteria:	
7	3521					(1) The difference must be less than or equal to + 0.5	
8	4094					(2) Pressure readings must be at least 24 hours apart.	
9	2567					If time frame was not met, the PM must authorize shipment of canister:	
10	2879					*PM Authorization:*	
11	4835						
12	4460	↓	↓	↓	↓	Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
5045	2/29/12	CKQD	WKD				✓		03/02/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Please Cert For NJ TO15 L.L.

200-9518-A-4
5045
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/28/2012 12:00 AM 200-294801

Loc: 200
9518
#4
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
OVEN	30	2/29/12	VP	6L	1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3455	-28.9	-29.1	-29.1	0.0
2	3620				
3	4068				
4	4909				
5	2592				
6	5054				
7	5696				
8	3213				
9	4129				
10	3369				
11	3028				
12	3025	—	↓	↓	↓

Initial Reading		Final Reading	
Gauge ID:	G-1	Gauge ID:	G-1
Date:	3/1/12	Date:	3/2/12
Time:	1100	Time:	1100
Tech:	VP	Tech:	↓
BP:	29.1 ("Hg)	BP:	29.3 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3620	3/2/12	CKQE	WRD				✓		03/05/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-9525-A-2
3620
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/29/2012 12:00 AM 200-295035

Loc: 200
9525
#2
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.253 J	126	60-140	
Vinyl chloride	0.200	0.248 J	124	60-140	
1,3-Butadiene	0.200	0.235 J	117	60-140	
Bromomethane	0.200	0.241 J	120	60-140	
Vinyl bromide	0.200	0.221 J	110	60-140	
Trichlorofluoromethane	0.200	0.249 J	124	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.232 J	116	60-140	
1,1-Dichloroethene	0.200	0.244 J	121	60-140	
Allyl chloride	0.200	0.242 J	121	60-140	
Methyl tert-butyl ether	0.200	0.251 J	125	60-140	
1,2-Dichloroethene, trans-	0.200	0.248 J	124	60-140	
n-Hexane	0.200	0.316 J	158	60-140	*
1,1-Dichloroethane	0.200	0.260 J	130	60-140	
1,2-Dichloroethene, cis-	0.200	0.278 J	139	60-140	
Chloroform	0.200	0.261 J	130	60-140	
1,1,1-Trichloroethane	0.200	0.257 J	128	60-140	
Cyclohexane	0.200	0.236 J	118	60-140	
Carbon tetrachloride	0.200	0.231 J	115	60-140	
2,2,4-Trimethylpentane	0.200	0.255 J	127	60-140	
Benzene	0.200	0.249 J	124	60-140	
1,2-Dichloroethane	0.200	0.258 J	129	60-140	
n-Heptane	0.200	0.299 J	149	60-140	*
Trichloroethene	0.200	0.237 J	118	60-140	
1,2-Dichloropropane	0.200	0.267 J	133	60-140	
Bromodichloromethane	0.200	0.223 J	111	60-140	
1,3-Dichloropropene, cis-	0.200	0.247 J	123	60-140	
Toluene	0.200	0.237 J	118	60-140	
1,3-Dichloropropene, trans-	0.200	0.243 J	121	60-140	
1,1,2-Trichloroethane	0.200	0.238 J	119	60-140	
Tetrachloroethene	0.200	0.183 J	91	60-140	
Dibromochloromethane	0.200	0.180 J	90	60-140	
1,2-Dibromoethane	0.200	0.205 J	102	60-140	
Chlorobenzene	0.200	0.217 J	108	60-140	
Ethylbenzene	0.200	0.225 J	112	60-140	
m-Xylene & p-Xylene	0.401	0.397 J	99	60-140	
o-Xylene	0.200	0.210 J	105	60-140	
Styrene	0.200	0.180 J	90	60-140	
Bromoform	0.200	0.158 J	79	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.225 J	112	60-140	
4-Ethyltoluene	0.200	0.186 J	93	60-140	
1,3,5-Trimethylbenzene	0.200	0.195 J	97	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.211 J	105	60-140	
1,2,4-Trimethylbenzene	0.200	0.182 J	91	60-140	
1,3-Dichlorobenzene	0.200	0.186 J	93	60-140	
1,4-Dichlorobenzene	0.200	0.191 J	95	60-140	
1,2-Dichlorobenzene	0.200	0.193 J	96	60-140	
Hexachlorobutadiene	0.200	0.203 J	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc006.d

Lab ID: LCS 200-34272/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.649 J	130	60-140	
Chloromethane	0.500	0.689 J	138	60-140	
Chloroethane	0.500	0.581 J	116	60-140	
Carbon disulfide	0.500	0.545 J	109	60-140	
Methylene Chloride	0.500	0.672 J	134	60-140	
Methyl Ethyl Ketone	0.500	0.717 J	143	60-140	*
Methyl methacrylate	0.500	0.535 J	107	60-140	
methyl isobutyl ketone	0.500	0.604 J	121	60-140	
1,2,4-Trichlorobenzene	0.500	0.365 J	73	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc007.d

Lab ID: LCS 200-34272/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.90	138	60-140	
Isopropanol	4.99	5.81 J	116	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.43	129	60-140	
1,4-Dioxane	4.99	5.16	103	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.253 J	126	60-140	
Vinyl chloride	0.200	0.248 J	124	60-140	
1,3-Butadiene	0.200	0.235 J	117	60-140	
Bromomethane	0.200	0.241 J	120	60-140	
Vinyl bromide	0.200	0.221 J	110	60-140	
Trichlorofluoromethane	0.200	0.249 J	124	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.232 J	116	60-140	
1,1-Dichloroethene	0.200	0.244 J	121	60-140	
Allyl chloride	0.200	0.242 J	121	60-140	
Methyl tert-butyl ether	0.200	0.251 J	125	60-140	
1,2-Dichloroethene, trans-	0.200	0.248 J	124	60-140	
n-Hexane	0.200	0.316 J	158	60-140	*
1,1-Dichloroethane	0.200	0.260 J	130	60-140	
1,2-Dichloroethene, cis-	0.200	0.278 J	139	60-140	
Chloroform	0.200	0.261 J	130	60-140	
1,1,1-Trichloroethane	0.200	0.257 J	128	60-140	
Cyclohexane	0.200	0.236 J	118	60-140	
Carbon tetrachloride	0.200	0.231 J	115	60-140	
2,2,4-Trimethylpentane	0.200	0.255 J	127	60-140	
Benzene	0.200	0.249 J	124	60-140	
1,2-Dichloroethane	0.200	0.258 J	129	60-140	
n-Heptane	0.200	0.299 J	149	60-140	*
Trichloroethene	0.200	0.237 J	118	60-140	
1,2-Dichloropropane	0.200	0.267 J	133	60-140	
Bromodichloromethane	0.200	0.223 J	111	60-140	
1,3-Dichloropropene, cis-	0.200	0.247 J	123	60-140	
Toluene	0.200	0.237 J	118	60-140	
1,3-Dichloropropene, trans-	0.200	0.243 J	121	60-140	
1,1,2-Trichloroethane	0.200	0.238 J	119	60-140	
Tetrachloroethene	0.200	0.183 J	91	60-140	
Dibromochloromethane	0.200	0.180 J	90	60-140	
1,2-Dibromoethane	0.200	0.205 J	102	60-140	
Chlorobenzene	0.200	0.217 J	108	60-140	
Ethylbenzene	0.200	0.225 J	112	60-140	
m-Xylene & p-Xylene	0.401	0.397 J	99	60-140	
o-Xylene	0.200	0.210 J	105	60-140	
Styrene	0.200	0.180 J	90	60-140	
Bromoform	0.200	0.158 J	79	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.225 J	112	60-140	
4-Ethyltoluene	0.200	0.186 J	93	60-140	
1,3,5-Trimethylbenzene	0.200	0.195 J	97	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.211 J	105	60-140	
1,2,4-Trimethylbenzene	0.200	0.182 J	91	60-140	
1,3-Dichlorobenzene	0.200	0.186 J	93	60-140	
1,4-Dichlorobenzene	0.200	0.191 J	95	60-140	
1,2-Dichlorobenzene	0.200	0.193 J	96	60-140	
Hexachlorobutadiene	0.200	0.203 J	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc006.d

Lab ID: LCS 200-34272/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.649 J	130	60-140	
Chloromethane	0.500	0.689 J	138	60-140	
Chloroethane	0.500	0.581 J	116	60-140	
Carbon disulfide	0.500	0.545 J	109	60-140	
Methylene Chloride	0.500	0.672 J	134	60-140	
Methyl Ethyl Ketone	0.500	0.717 J	143	60-140	*
Methyl methacrylate	0.500	0.535 J	107	60-140	
methyl isobutyl ketone	0.500	0.604 J	121	60-140	
1,2,4-Trichlorobenzene	0.500	0.365 J	73	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc007.d

Lab ID: LCS 200-34272/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.90	138	60-140	
Isopropanol	4.99	5.81 J	116	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.43	129	60-140	
1,4-Dioxane	4.99	5.16	103	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd004.d

Lab ID: LCS 200-34324/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.208 J	104	60-140	
Vinyl chloride	0.200	0.203 J	101	60-140	
1,3-Butadiene	0.200	0.194 J	97	60-140	
Bromomethane	0.200	0.210 J	105	60-140	
Vinyl bromide	0.200	0.193 J	96	60-140	
Trichlorofluoromethane	0.200	0.215 J	107	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.208 J	104	60-140	
1,1-Dichloroethene	0.200	0.218 J	109	60-140	
Allyl chloride	0.200	0.213 J	106	60-140	
Methyl tert-butyl ether	0.200	0.223 J	111	60-140	
1,2-Dichloroethene, trans-	0.200	0.206 J	103	60-140	
n-Hexane	0.200	0.259 J	129	60-140	
1,1-Dichloroethane	0.200	0.215 J	107	60-140	
1,2-Dichloroethene, cis-	0.200	0.215 J	107	60-140	
Chloroform	0.200	0.213 J	106	60-140	
1,1,1-Trichloroethane	0.200	0.199 J	99	60-140	
Cyclohexane	0.200	0.188 J	94	60-140	
Carbon tetrachloride	0.200	0.195 J	97	60-140	
2,2,4-Trimethylpentane	0.200	0.195 J	98	60-140	
Benzene	0.200	0.211 J	105	60-140	
1,2-Dichloroethane	0.200	0.204 J	102	60-140	
n-Heptane	0.200	0.246 J	123	60-140	
Trichloroethene	0.200	0.188 J	94	60-140	
1,2-Dichloropropane	0.200	0.204 J	102	60-140	
Bromodichloromethane	0.200	0.181 J	91	60-140	
1,3-Dichloropropene, cis-	0.200	0.190 J	95	60-140	
Toluene	0.200	0.199 J	99	60-140	
1,3-Dichloropropene, trans-	0.200	0.200 J	100	60-140	
1,1,2-Trichloroethane	0.200	0.188 J	94	60-140	
Tetrachloroethene	0.200	0.154 J	77	60-140	
Dibromochloromethane	0.200	0.147 J	73	60-140	
1,2-Dibromoethane	0.200	0.170 J	85	60-140	
Chlorobenzene	0.200	0.179 J	89	60-140	
Ethylbenzene	0.200	0.185 J	93	60-140	
m-Xylene & p-Xylene	0.401	0.338 J	84	60-140	
o-Xylene	0.200	0.175 J	87	60-140	
Styrene	0.200	0.147 J	73	60-140	
Bromoform	0.200	0.138 J	69	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.190 J	95	60-140	
4-Ethyltoluene	0.200	0.153 J	76	60-140	
1,3,5-Trimethylbenzene	0.200	0.164 J	82	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd004.d

Lab ID: LCS 200-34324/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.173 J	86	60-140	
1,2,4-Trimethylbenzene	0.200	0.167 J	83	60-140	
1,3-Dichlorobenzene	0.200	0.162 J	81	60-140	
1,4-Dichlorobenzene	0.200	0.164 J	82	60-140	
1,2-Dichlorobenzene	0.200	0.157 J	78	60-140	
Hexachlorobutadiene	0.200	0.176 J	88	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd005.d

Lab ID: LCS 200-34324/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.632 J	126	60-140	
Chloromethane	0.500	0.670 J	134	60-140	
Chloroethane	0.500	0.573 J	114	60-140	
Carbon disulfide	0.500	0.543 J	109	60-140	
Methylene Chloride	0.500	0.666 J	133	60-140	
Methyl Ethyl Ketone	0.500	0.693 J	138	60-140	
Methyl methacrylate	0.500	0.496 J	99	60-140	
methyl isobutyl ketone	0.500	0.553 J	111	60-140	
1,2,4-Trichlorobenzene	0.500	0.417 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd006.d

Lab ID: LCS 200-34324/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.61	132	60-140	
Isopropanol	4.99	5.41 J	108	60-140	
tert-Butyl alcohol	4.99	5.50	110	60-140	
Tetrahydrofuran	4.99	6.05	121	60-140	
1,4-Dioxane	4.99	4.74 J	95	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.210 J	105	60-140	
Vinyl chloride	0.200	0.199 J	99	60-140	
1,3-Butadiene	0.200	0.199 J	99	60-140	
Bromomethane	0.200	0.223 J	111	60-140	
Vinyl bromide	0.200	0.193 J	96	60-140	
Trichlorofluoromethane	0.200	0.230 J	115	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.207 J	103	60-140	
1,1-Dichloroethene	0.200	0.207 J	103	60-140	
Allyl chloride	0.200	0.165 J	82	60-140	
Methyl tert-butyl ether	0.200	0.224 J	112	60-140	
1,2-Dichloroethene, trans-	0.200	0.204 J	102	60-140	
n-Hexane	0.200	0.265 J	132	60-140	
1,1-Dichloroethane	0.200	0.210 J	105	60-140	
1,2-Dichloroethene, cis-	0.200	0.227 J	113	60-140	
Chloroform	0.200	0.213 J	106	60-140	
1,1,1-Trichloroethane	0.200	0.213 J	106	60-140	
Cyclohexane	0.200	0.219 J	109	60-140	
Carbon tetrachloride	0.200	0.197 J	98	60-140	
2,2,4-Trimethylpentane	0.200	0.202 J	101	60-140	
Benzene	0.200	0.217 J	108	60-140	
1,2-Dichloroethane	0.200	0.211 J	105	60-140	
n-Heptane	0.200	0.248 J	124	60-140	
Trichloroethene	0.200	0.187 J	94	60-140	
1,2-Dichloropropane	0.200	0.206 J	103	60-140	
Bromodichloromethane	0.200	0.181 J	90	60-140	
1,3-Dichloropropene, cis-	0.200	0.204 J	102	60-140	
Toluene	0.200	0.206 J	103	60-140	
1,3-Dichloropropene, trans-	0.200	0.203 J	102	60-140	
1,1,2-Trichloroethane	0.200	0.193 J	96	60-140	
Tetrachloroethene	0.200	0.160 J	80	60-140	
Dibromochloromethane	0.200	0.158 J	79	60-140	
1,2-Dibromoethane	0.200	0.165 J	83	60-140	
Chlorobenzene	0.200	0.187 J	93	60-140	
Ethylbenzene	0.200	0.195 J	97	60-140	
m-Xylene & p-Xylene	0.401	0.346 J	86	60-140	
o-Xylene	0.200	0.177 J	88	60-140	
Styrene	0.200	0.148 J	74	60-140	
Bromoform	0.200	0.135 J	67	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.188 J	94	60-140	
4-Ethyltoluene	0.200	0.167 J	83	60-140	
1,3,5-Trimethylbenzene	0.200	0.167 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.195 J	97	60-140	
1,2,4-Trimethylbenzene	0.200	0.174 J	87	60-140	
1,3-Dichlorobenzene	0.200	0.174 J	87	60-140	
1,4-Dichlorobenzene	0.200	0.172 J	86	60-140	
1,2-Dichlorobenzene	0.200	0.174 J	87	60-140	
Hexachlorobutadiene	0.200	0.190 J	95	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe005.d

Lab ID: LCS 200-34384/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.658 J	131	60-140	
Chloromethane	0.500	0.657 J	131	60-140	
Chloroethane	0.500	0.574 J	115	60-140	
Carbon disulfide	0.500	0.561 J	112	60-140	
Methylene Chloride	0.500	0.691 J	138	60-140	
Methyl Ethyl Ketone	0.500	0.742 J	148	60-140	*
Methyl methacrylate	0.500	0.525 J	105	60-140	
methyl isobutyl ketone	0.500	0.588 J	117	60-140	
1,2,4-Trichlorobenzene	0.500	0.421 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe006.d

Lab ID: LCS 200-34384/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.84	137	60-140	
Isopropanol	4.99	5.95 J	119	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.25	125	60-140	
1,4-Dioxane	4.99	5.48	110	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab File ID: ckqc003.d Lab Sample ID: MB 200-34272/3

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

Instrument ID: C.i Date Analyzed: 02/28/2012 10:47

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34272/5	ckqc005.d	02/28/2012 12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012 13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012 14:08
3686	200-9468-8	ckqc008.d	02/28/2012 14:58

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqcto15.b/ckqc003.d
Lab Smp Id: mb
Inj Date : 28-FEB-2012 10:47
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

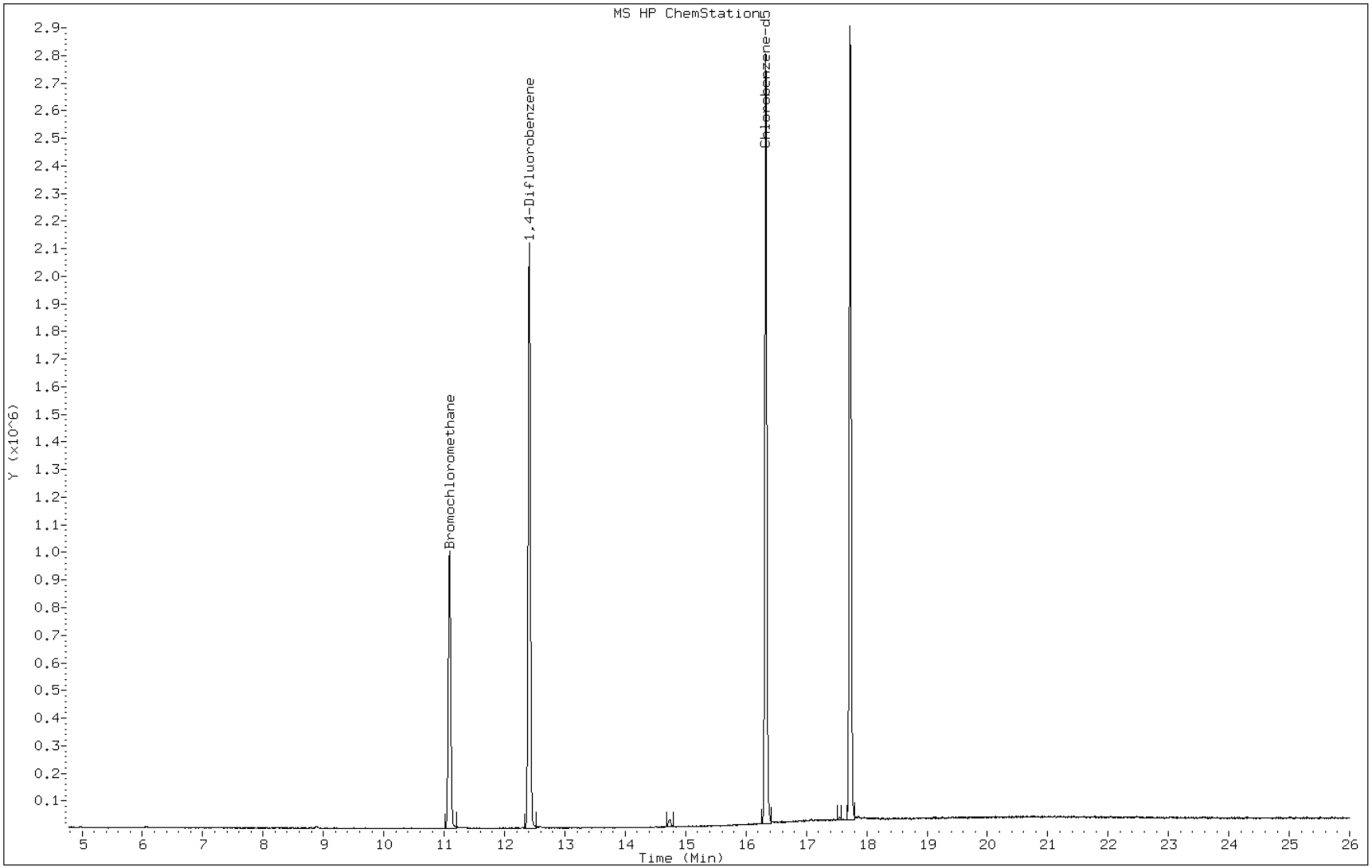
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.088	11.098	(1.000)	425229	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.406	12.417	(1.000)	2600656	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.329	16.339	(1.000)	2303489	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqc003.d	Date:	28-FEB-2012 10:47
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckqc003.d Lab Sample ID: MB 200-34272/3

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

Instrument ID: C.i Date Analyzed: 02/28/2012 10:47

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34272/5	ckqc005.d	02/28/2012 12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012 13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012 14:08
4872	200-9496-2	ckqc009.d	02/28/2012 15:48

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqcto15.b/ckqc003.d
Lab Smp Id: mb
Inj Date : 28-FEB-2012 10:47
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.088	11.098	(1.000)	425229	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.406	12.417	(1.000)	2600656	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.329	16.339	(1.000)	2303489	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

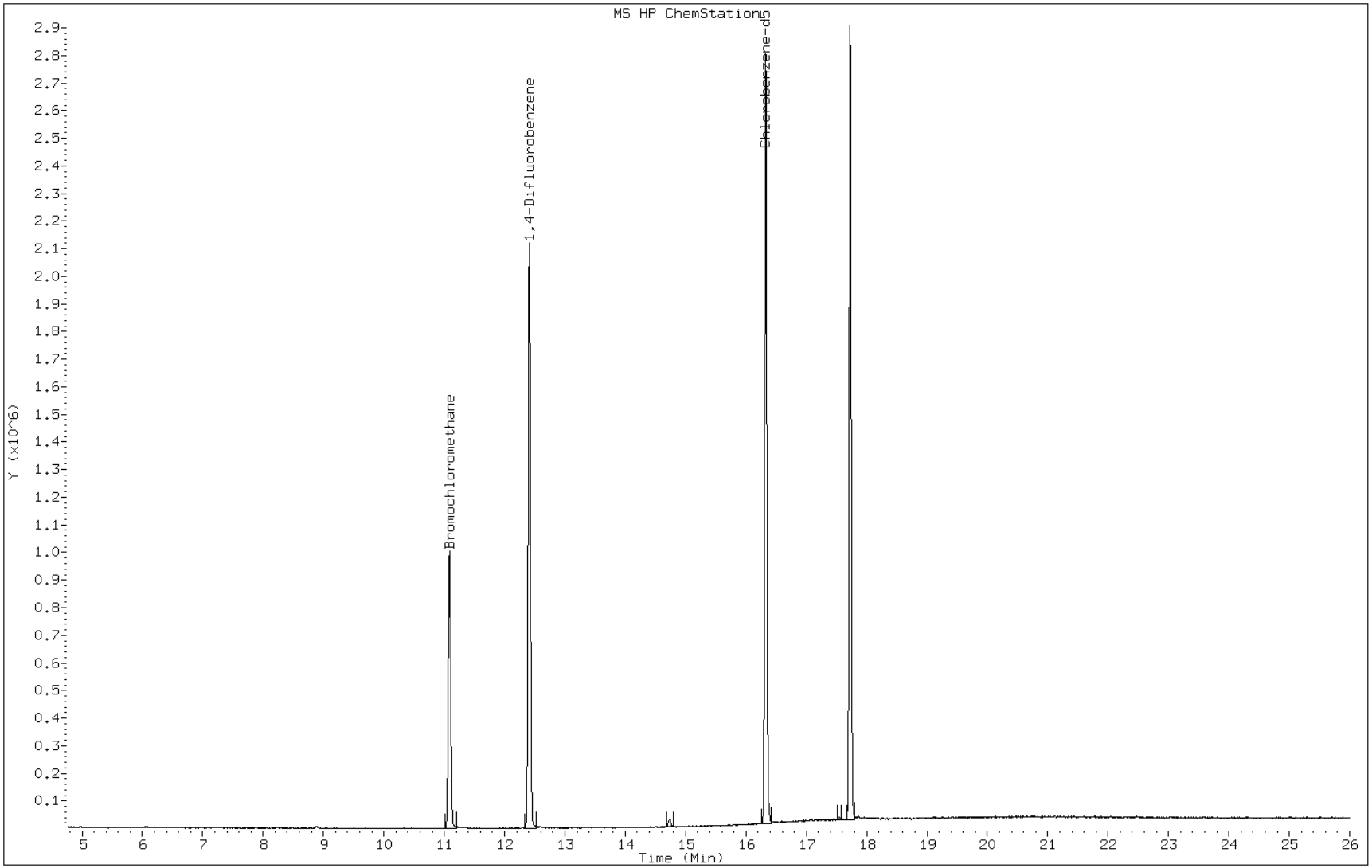
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: ckqc003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 28-FEB-2012 10:47
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckqd003.d Lab Sample ID: MB 200-34324/3

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

Instrument ID: C.i Date Analyzed: 02/29/2012 11:55

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34324/4	ckqd004.d	02/29/2012 12:45
	LCS 200-34324/5	ckqd005.d	02/29/2012 13:35
	LCS 200-34324/6	ckqd006.d	02/29/2012 14:25
5045	200-9518-4	ckqd007.d	02/29/2012 15:15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34324/3

Matrix: Air Lab File ID: ckqd003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/29/2012 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34324/3

Matrix: Air Lab File ID: ckqd003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/29/2012 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqdto15.b/ckqd003.d
Lab Smp Id: mb
Inj Date : 29-FEB-2012 11:55
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqdto15.b/TO15v5NJ.m
Meth Date : 01-Mar-2012 10:05 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

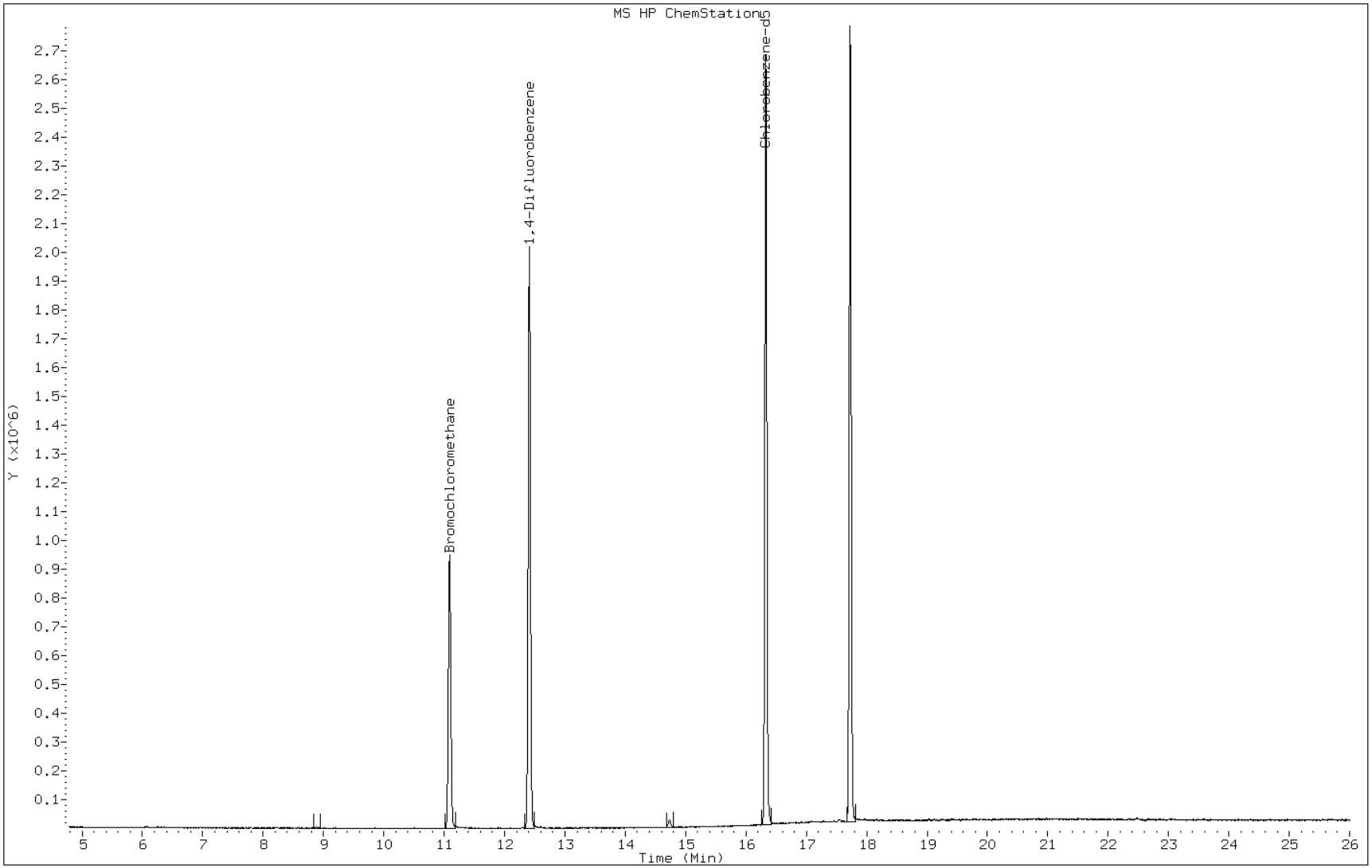
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	398610	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2432861	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2181095	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqd003.d	Date:	29-FEB-2012 11:55
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckqe003.d Lab Sample ID: MB 200-34384/3

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

Instrument ID: C.i Date Analyzed: 03/01/2012 11:51

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34384/4	ckqe004.d	03/01/2012 12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012 13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012 14:22
3620	200-9525-2	ckqe008.d	03/01/2012 16:02

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34384/3

Matrix: Air Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34384/3

Matrix: Air Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqeto15.b/ckqe003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 01-MAR-2012 11:51
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 05-Mar-2012 08:45 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

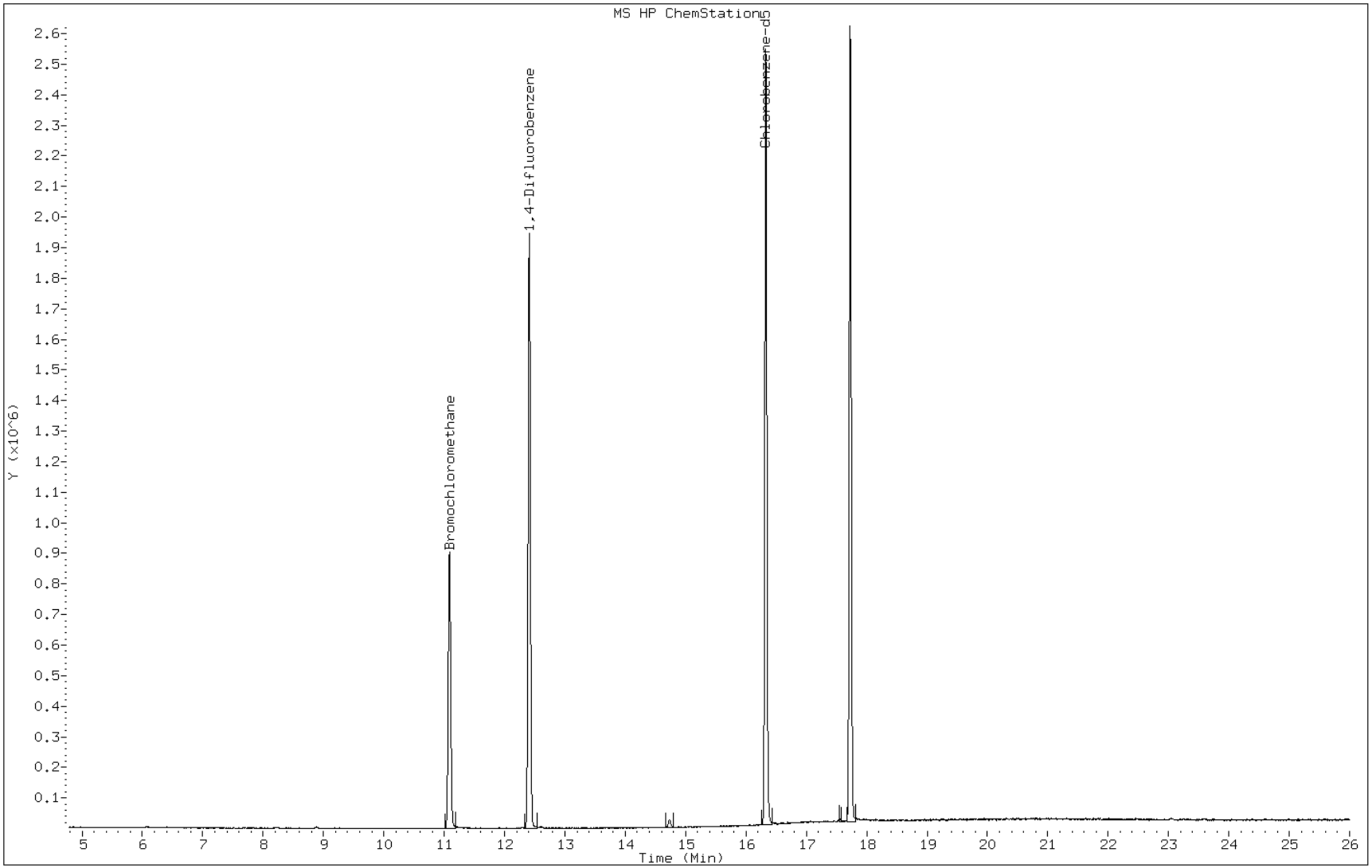
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.088	11.098	(1.000)	383227	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2339666	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.329	16.339	(1.000)	2072362	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqe003.d	Date:	01-MAR-2012 11:51
Client ID:	mb	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab File ID: ckqc001.d BFB Injection Date: 02/28/2012

Instrument ID: C.i BFB Injection Time: 09:05

Analysis Batch No.: 34272

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	45.0	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	66.4	
175	4.0 - 9.0 % of mass 174	4.7	(7.1)1
176	93.0 - 101.0% of mass 174	62.9	(94.7)1
177	5.0 - 9.0% of mass 176	4.1	(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 200-34272/2	ckqc002.d	02/28/2012	09:57
	MB 200-34272/3	ckqc003.d	02/28/2012	10:47
	LCS 200-34272/5	ckqc005.d	02/28/2012	12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012	13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012	14:08
3686	200-9468-8	ckqc008.d	02/28/2012	14:58
	CCVC 200-34272/28	ckqc028.d	02/29/2012	07:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckqc001.d BFB Injection Date: 02/28/2012

Instrument ID: C.i BFB Injection Time: 09:05

Analysis Batch No.: 34272

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	45.0	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	66.4	
175	4.0 - 9.0 % of mass 174	4.7	(7.1)1
176	93.0 - 101.0% of mass 174	62.9	(94.7)1
177	5.0 - 9.0% of mass 176	4.1	(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 200-34272/2	ckqc002.d	02/28/2012	09:57
	MB 200-34272/3	ckqc003.d	02/28/2012	10:47
	LCS 200-34272/5	ckqc005.d	02/28/2012	12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012	13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012	14:08
4872	200-9496-2	ckqc009.d	02/28/2012	15:48
	CCVC 200-34272/28	ckqc028.d	02/29/2012	07:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckqd001.d BFB Injection Date: 02/29/2012

Instrument ID: C.i BFB Injection Time: 10:13

Analysis Batch No.: 34324

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.1	
75	30.0 - 66.0% of mass 95	45.2	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	67.7	
175	4.0 - 9.0 % of mass 174	4.7	(7.0)1
176	93.0 - 101.0% of mass 174	65.0	(96.1)1
177	5.0 - 9.0% of mass 176	4.1	(6.3)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 200-34324/2	ckqd002.d	02/29/2012	11:03
	MB 200-34324/3	ckqd003.d	02/29/2012	11:55
	LCS 200-34324/4	ckqd004.d	02/29/2012	12:45
	LCS 200-34324/5	ckqd005.d	02/29/2012	13:35
	LCS 200-34324/6	ckqd006.d	02/29/2012	14:25
5045	200-9518-4	ckqd007.d	02/29/2012	15:15
	CCVC 200-34324/28	ckqd028.d	03/01/2012	08:45

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckqe001.d BFB Injection Date: 03/01/2012

Instrument ID: C.i BFB Injection Time: 10:11

Analysis Batch No.: 34384

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.0	
75	30.0 - 66.0% of mass 95	45.1	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	67.5	
175	4.0 - 9.0 % of mass 174	4.7	(7.0)1
176	93.0 - 101.0% of mass 174	64.8	(96.0)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 200-34384/2	ckqe002.d	03/01/2012	11:01
	MB 200-34384/3	ckqe003.d	03/01/2012	11:51
	LCS 200-34384/4	ckqe004.d	03/01/2012	12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012	13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012	14:22
3620	200-9525-2	ckqe008.d	03/01/2012	16:02
	CCVC 200-34384/28	ckqe028.d	03/02/2012	08:44

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Sample No.: CCVIS 200-34272/2 Date Analyzed: 02/28/2012 09:57

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqc002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		433804	11.09	2595012	12.41	2336033	16.33
UPPER LIMIT		607326	11.42	3633017	12.74	3270446	16.66
LOWER LIMIT		260282	10.76	1557007	12.08	1401620	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34272/3		425229	11.09	2600656	12.41	2303489	16.33
LCS 200-34272/5		362169	11.09	2174069	12.41	2007534	16.33
LCS 200-34272/6		369177	11.09	2249988	12.41	2078044	16.33
LCS 200-34272/7		374745	11.09	2263104	12.41	2122172	16.33
200-9468-8	3686	385966	11.09	2347231	12.41	2057796	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Sample No.: CCVIS 200-34272/2 Date Analyzed: 02/28/2012 09:57

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqc002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		433804	11.09	2595012	12.41	2336033	16.33
UPPER LIMIT		607326	11.42	3633017	12.74	3270446	16.66
LOWER LIMIT		260282	10.76	1557007	12.08	1401620	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34272/3		425229	11.09	2600656	12.41	2303489	16.33
LCS 200-34272/5		362169	11.09	2174069	12.41	2007534	16.33
LCS 200-34272/6		369177	11.09	2249988	12.41	2078044	16.33
LCS 200-34272/7		374745	11.09	2263104	12.41	2122172	16.33
200-9496-2	4872	371550	11.09	2266299	12.41	1999278	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Sample No.: CCVIS 200-34324/2 Date Analyzed: 02/29/2012 11:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqd002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		435539	11.09	2573223	12.41	2398118	16.33
UPPER LIMIT		609755	11.42	3602512	12.74	3357365	16.66
LOWER LIMIT		261323	10.76	1543934	12.08	1438871	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34324/3		398610	11.09	2432861	12.41	2181095	16.33
LCS 200-34324/4		383326	11.09	2314125	12.41	2099816	16.33
LCS 200-34324/5		357514	11.09	2162536	12.41	1974080	16.33
LCS 200-34324/6		369555	11.09	2250797	12.41	2119223	16.33
200-9518-4	5045	380843	11.09	2350611	12.41	2036913	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Sample No.: CCVIS 200-34384/2 Date Analyzed: 03/01/2012 11:01

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqe002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		398124	11.09	2382647	12.41	2214419	16.33
UPPER LIMIT		557374	11.42	3335706	12.74	3100187	16.66
LOWER LIMIT		238874	10.76	1429588	12.08	1328651	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34384/3		383227	11.09	2339666	12.41	2072362	16.33
LCS 200-34384/4		358827	11.09	2146096	12.41	1964209	16.33
LCS 200-34384/5		335409	11.09	2013099	12.41	1872793	16.33
LCS 200-34384/6		350694	11.08	2118674	12.41	1986004	16.33
200-9525-2	3620	343965	11.09	2125829	12.41	1869313	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Client Sample ID: 3686 Lab Sample ID: 200-9468-8

Matrix: Air Lab File ID: ckqc008.d

Analysis Method: TO15LL/NJ Date Collected: 02/23/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 14:58

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U *	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U *	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Client Sample ID: 3686 Lab Sample ID: 200-9468-8

Matrix: Air Lab File ID: ckqc008.d

Analysis Method: TO15LL/NJ Date Collected: 02/23/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 14:58

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9468-8
Client Smp ID: 3686
Inj Date : 28-FEB-2012 14:58
Operator : wrd Inst ID: C.i
Smp Info : 200-9468-A-8
Misc Info : 500,0.4,cert
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

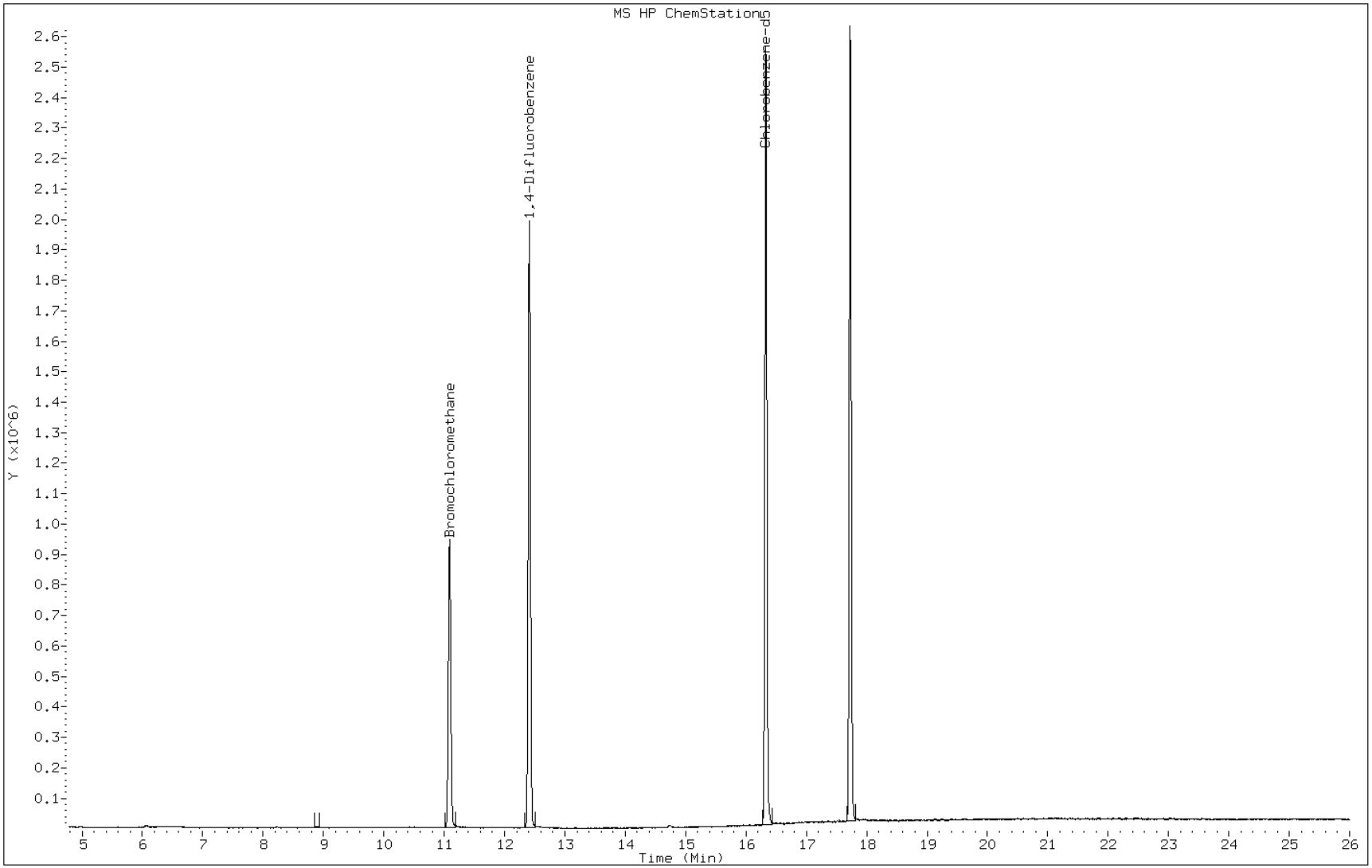
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.088	11.098	(1.000)	385966	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.411	12.417	(1.000)	2347231	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.329	16.339	(1.000)	2057796	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqc008.d	Date:	28-FEB-2012 14:58
Client ID:	3686	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9468-A-8		
Lab Sample ID:	200-9468-8		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: 4872 Lab Sample ID: 200-9496-2

Matrix: Air Lab File ID: ckqc009.d

Analysis Method: TO15LL/NJ Date Collected: 02/27/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 15:48

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U *	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U *	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: 4872 Lab Sample ID: 200-9496-2

Matrix: Air Lab File ID: ckqc009.d

Analysis Method: TO15LL/NJ Date Collected: 02/27/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 15:48

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9496-2
Client Smp ID: 4872
Inj Date : 28-FEB-2012 15:48
Operator : wrd Inst ID: C.i
Smp Info : 200-9496-A-2
Misc Info : 500,0.4,cert
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

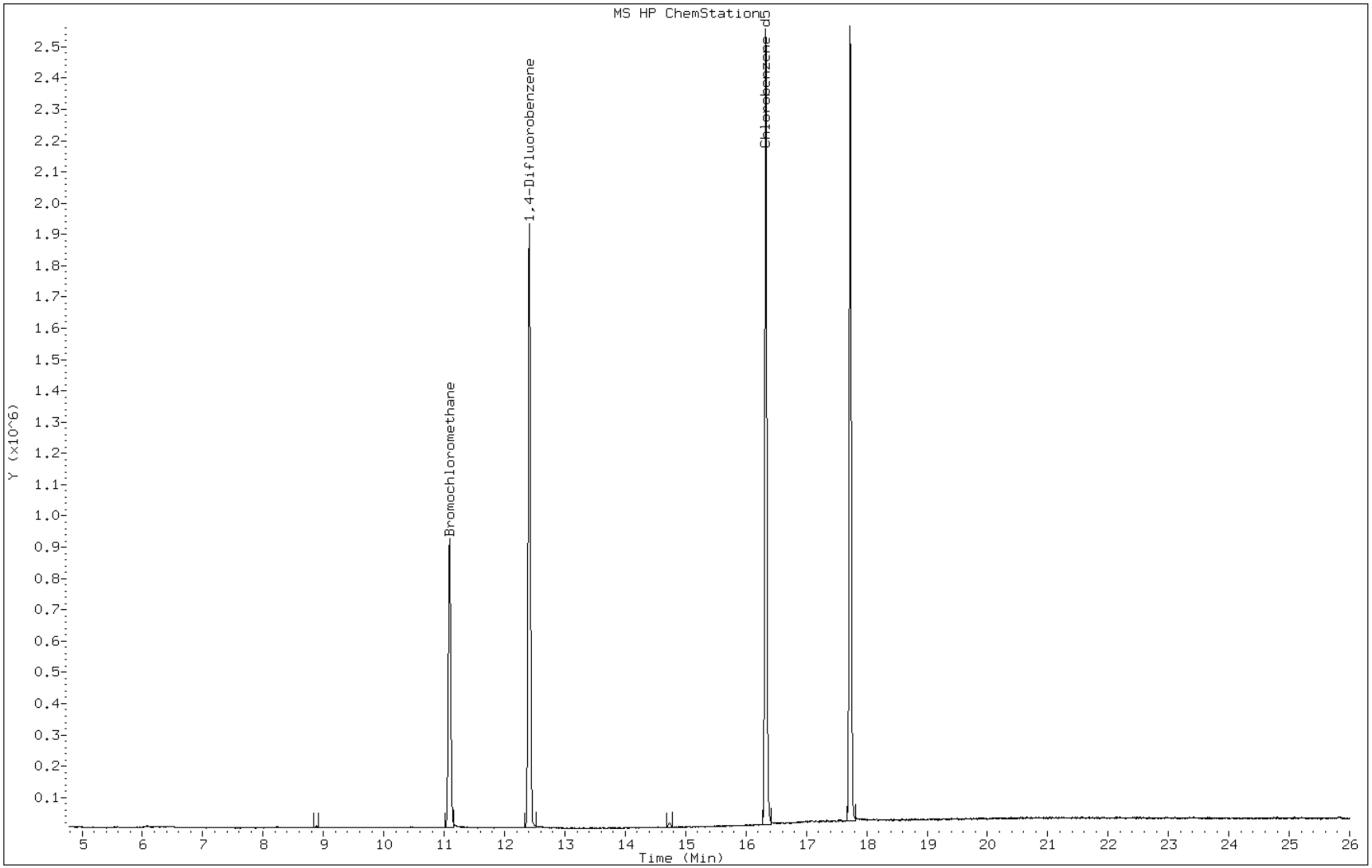
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	371550	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.406	12.417	(1.000)	2266299	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	1999278	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqc009.d	Date:	28-FEB-2012 15:48
Client ID:	4872	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9496-A-2		
Lab Sample ID:	200-9496-2		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: 5045 Lab Sample ID: 200-9518-4

Matrix: Air Lab File ID: ckqd007.d

Analysis Method: TO15LL/NJ Date Collected: 02/28/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/29/2012 15:15

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: 5045 Lab Sample ID: 200-9518-4

Matrix: Air Lab File ID: ckqd007.d

Analysis Method: TO15LL/NJ Date Collected: 02/28/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/29/2012 15:15

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9518-4
Client Smp ID: 5045
Inj Date : 29-FEB-2012 15:15
Operator : wrd Inst ID: C.i
Smp Info : 200-9518-A-4
Misc Info : 500,.4
Comment :
Method : /chem/C.i/Csvr.p/ckqdto15.b/TO15v5NJ.m
Meth Date : 01-Mar-2012 10:05 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

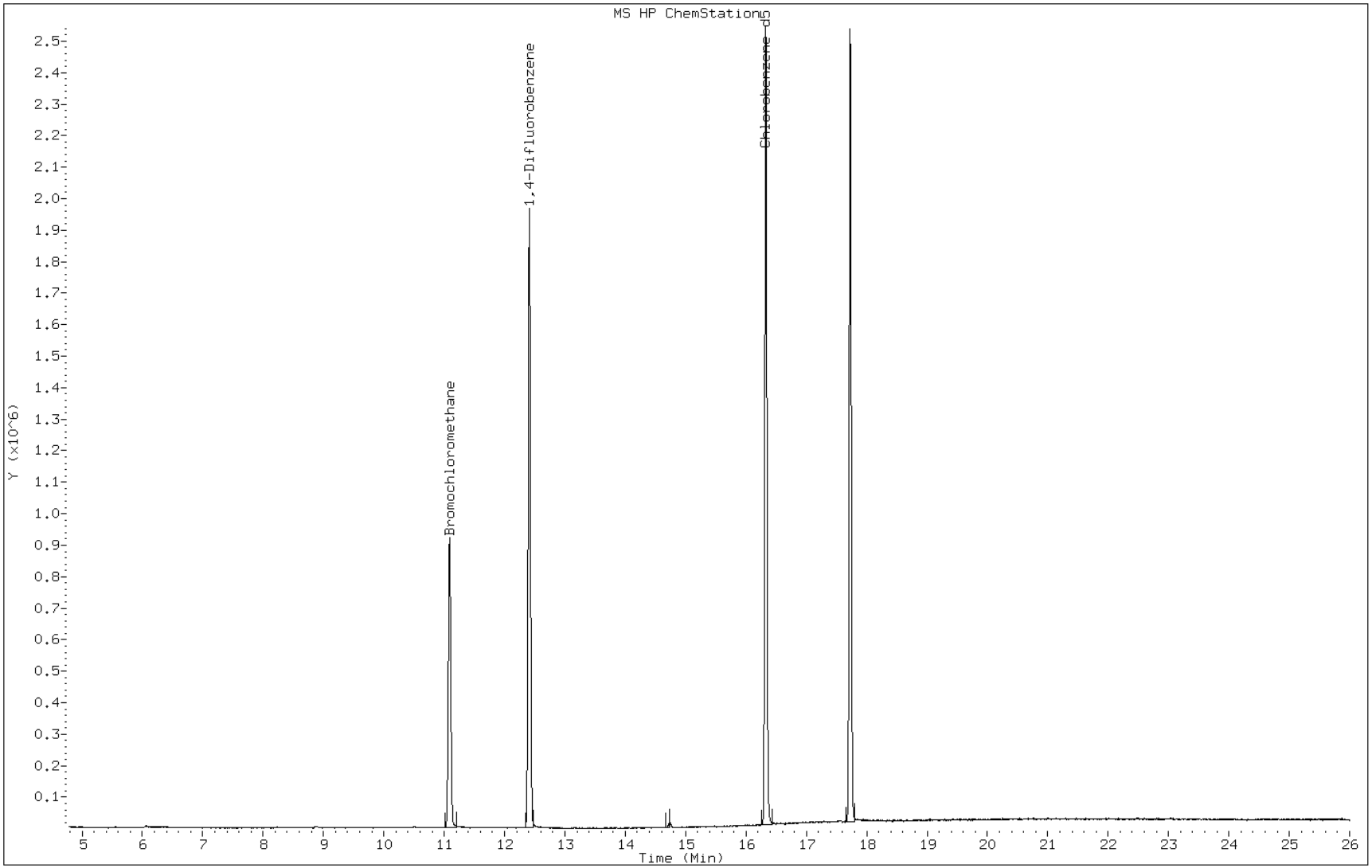
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	380843	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2350611	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2036913	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqd007.d	Date:	29-FEB-2012 15:15
Client ID:	5045	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9518-A-4		
Lab Sample ID:	200-9518-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: 3620 Lab Sample ID: 200-9525-2

Matrix: Air Lab File ID: ckqe008.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 16:02

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: 3620 Lab Sample ID: 200-9525-2

Matrix: Air Lab File ID: ckqe008.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 16:02

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9525-2
Client Smp ID: 3620
Inj Date : 01-MAR-2012 16:02
Operator : wrd Inst ID: C.i
Smp Info : 200-9525-A-2
Misc Info : 500,0.4
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 02-Mar-2012 12:06 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

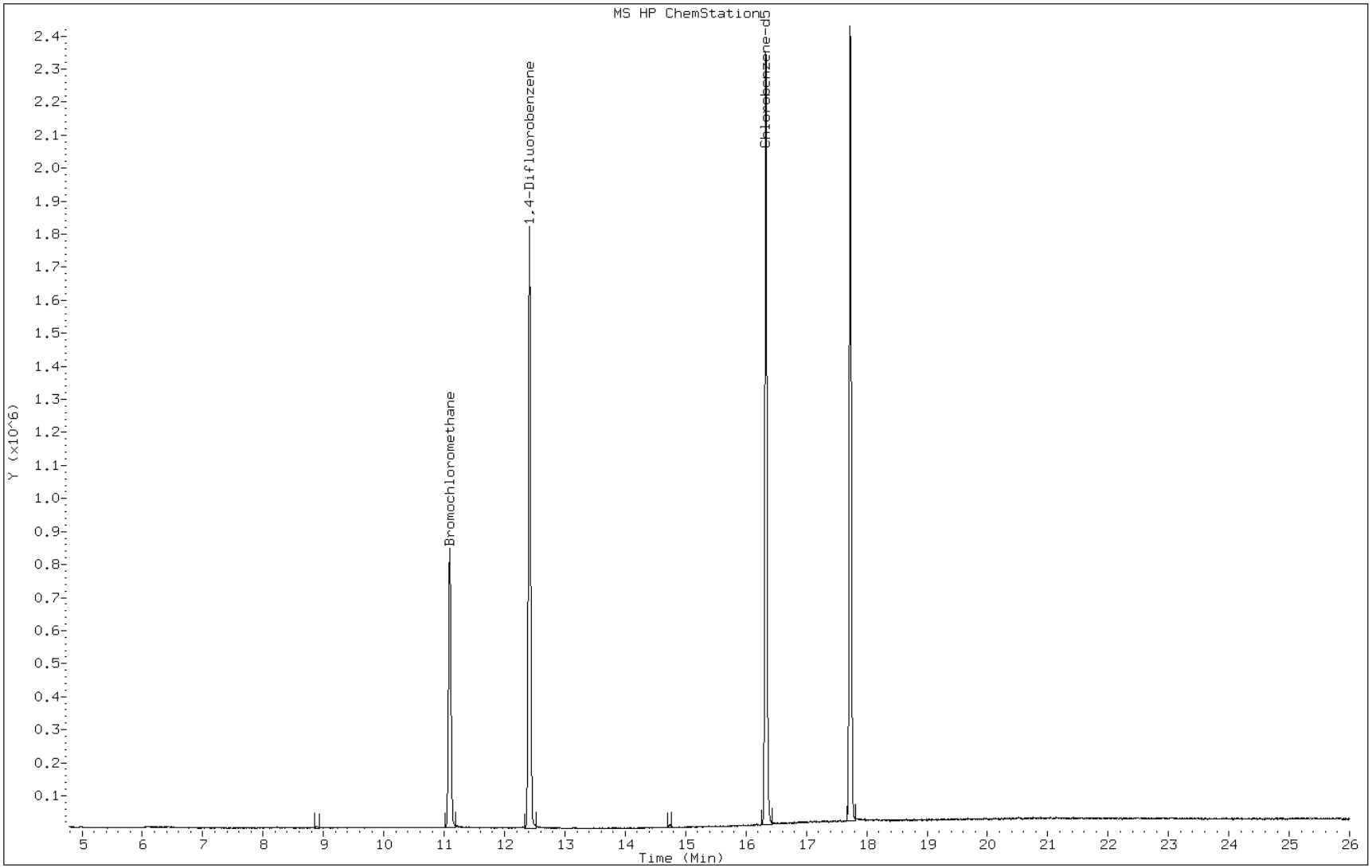
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	343965	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.411	12.417	(1.000)	2125829	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1869313	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqe008.d	Date:	01-MAR-2012 16:02
Client ID:	3620	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9525-A-2		
Lab Sample ID:	200-9525-2		



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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9468-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.104		10.6	10.0	5.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.409		10.0	10.0	0.2	30.0
Chloromethane	Ave	1.033	1.054		10.2	10.0	2.0	30.0
Vinyl chloride	Ave	1.233	1.212		9.82	10.0	-1.8	30.0
1,3-Butadiene	Ave	0.9312	0.9073		9.74	10.0	-2.6	30.0
Bromomethane	Ave	1.085	1.032		9.51	10.0	-4.9	30.0
Chloroethane	Ave	0.6096	0.6049		9.92	10.0	-0.8	30.0
Vinyl bromide	Ave	1.151	1.123		9.75	10.0	-2.5	30.0
Trichlorofluoromethane	Ave	3.030	3.054		10.1	10.0	0.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.326		9.90	10.0	-1.0	30.0
1,1-Dichloroethene	Ave	1.199	1.185		9.88	10.0	-1.2	30.0
Acetone	Ave	1.414	1.596		11.3	10.0	12.8	30.0
Isopropanol	Ave	1.106	1.196		10.8	10.0	8.1	30.0
Carbon disulfide	Ave	3.589	3.749		10.4	10.0	4.4	30.0
Allyl chloride	Ave	1.761	1.817		10.3	10.0	3.2	30.0
Methylene Chloride	Ave	1.254	1.287		10.3	10.0	2.6	30.0
tert-Butyl alcohol	Ave	1.571	1.722		11.0	10.0	9.6	30.0
Methyl tert-butyl ether	Ave	3.311	3.371		10.2	10.0	1.8	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.901		10.4	10.0	4.1	30.0
n-Hexane	Ave	2.177	2.226		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	2.305	2.399		10.4	10.0	4.1	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5800		9.73	10.0	-2.6	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.360		10.1	10.0	0.7	30.0
Tetrahydrofuran	Ave	0.1887	0.2052		10.9	10.0	8.7	30.0
Chloroform	Ave	2.638	2.731		10.4	10.0	3.5	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4805		10.1	10.0	1.2	30.0
Cyclohexane	Ave	0.3427	0.3339		9.74	10.0	-2.6	30.0
Carbon tetrachloride	Ave	0.4637	0.4670		10.1	10.0	0.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.180		10.1	10.0	1.2	30.0
Benzene	Ave	0.7557	0.7377		9.76	10.0	-2.4	30.0
1,2-Dichloroethane	Ave	0.2884	0.2957		10.3	10.0	2.5	30.0
n-Heptane	Ave	0.4261	0.4297		10.1	10.0	0.9	30.0
Trichloroethene	Ave	0.3252	0.3237		9.95	10.0	-0.5	30.0
1,2-Dichloropropane	Ave	0.2579	0.2623		10.2	10.0	1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2227		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.0879	0.0894		10.2	10.0	1.7	30.0
Bromodichloromethane	Ave	0.4956	0.5118		10.3	10.0	3.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4051		10.3	10.0	2.7	30.0
methyl isobutyl ketone	Ave	0.3957	0.4066		10.3	10.0	2.8	30.0
Toluene	Ave	0.6036	0.5738		9.50	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.3986		10.5	10.0	5.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2688		9.71	10.0	-2.9	30.0
Tetrachloroethene	Ave	0.4505	0.4084		9.06	10.0	-9.3	30.0
Dibromochloromethane	Ave	0.5267	0.5205		9.88	10.0	-1.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4928		9.74	10.0	-2.6	30.0
Chlorobenzene	Ave	0.7815	0.7424		9.50	10.0	-5.0	30.0
Ethylbenzene	Ave	1.224	1.183		9.67	10.0	-3.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4623		19.0	20.0	-5.1	30.0
o-Xylene	Ave	0.4724	0.4529		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7175		9.79	10.0	-2.1	30.0
Bromoform	Ave	0.4668	0.4511		9.66	10.0	-3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6815		9.73	10.0	-2.7	30.0
4-Ethyltoluene	Ave	1.363	1.371		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	1.217	1.193		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.136		10.1	10.0	0.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.131		10.2	10.0	1.7	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7314		9.68	10.0	-3.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7186		9.67	10.0	-3.3	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6932		9.68	10.0	-3.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3565		9.81	10.0	-1.9	30.0
Hexachlorobutadiene	Ave	0.3274	0.2931		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.470		11.8	10.0	18.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.733		11.0	10.0	9.8	30.0
Chloromethane	Ave	1.033	1.174		11.4	10.0	13.6	30.0
Vinyl chloride	Ave	1.233	1.308		10.6	10.0	6.0	30.0
1,3-Butadiene	Ave	0.9312	0.999		10.7	10.0	7.3	30.0
Bromomethane	Ave	1.085	1.083		9.98	10.0	-0.2	30.0
Chloroethane	Ave	0.6096	0.6538		10.7	10.0	7.3	30.0
Vinyl bromide	Ave	1.151	1.096		9.52	10.0	-4.8	30.0
Trichlorofluoromethane	Ave	3.030	3.264		10.8	10.0	7.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.354		10.0	10.0	0.2	30.0
1,1-Dichloroethene	Ave	1.199	1.157		9.65	10.0	-3.5	30.0
Acetone	Ave	1.414	1.785		12.6	10.0	26.2	30.0
Isopropanol	Ave	1.106	1.297		11.7	10.0	17.2	30.0
Carbon disulfide	Ave	3.589	3.858		10.7	10.0	7.5	30.0
Allyl chloride	Ave	1.761	1.931		11.0	10.0	9.6	30.0
Methylene Chloride	Ave	1.254	1.415		11.3	10.0	12.8	30.0
tert-Butyl alcohol	Ave	1.571	1.758		11.2	10.0	11.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.606		10.9	10.0	8.9	30.0
1,2-Dichloroethene, trans-	Ave	1.826	2.040		11.2	10.0	11.7	30.0
n-Hexane	Ave	2.177	2.388		11.0	10.0	9.7	30.0
1,1-Dichloroethane	Ave	2.305	2.582		11.2	10.0	12.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6064		10.2	10.0	1.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.354		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.1887	0.2203		11.7	10.0	16.7	30.0
Chloroform	Ave	2.638	2.901		11.0	10.0	9.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5066		10.7	10.0	6.6	30.0
Cyclohexane	Ave	0.3427	0.3347		9.76	10.0	-2.3	30.0
Carbon tetrachloride	Ave	0.4637	0.4870		10.5	10.0	5.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.244		10.7	10.0	6.7	30.0
Benzene	Ave	0.7557	0.7467		9.88	10.0	-1.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3235		11.2	10.0	12.2	30.0
n-Heptane	Ave	0.4261	0.4645		10.9	10.0	9.0	30.0
Trichloroethene	Ave	0.3252	0.3273		10.1	10.0	0.6	30.0
1,2-Dichloropropane	Ave	0.2579	0.2738		10.6	10.0	6.1	30.0
Methyl methacrylate	Ave	0.2143	0.2331		10.9	10.0	8.8	30.0
1,4-Dioxane	Ave	0.0879	0.0925		10.5	10.0	5.2	30.0
Bromodichloromethane	Ave	0.4956	0.5414		10.9	10.0	9.2	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4193		10.6	10.0	6.3	30.0
methyl isobutyl ketone	Ave	0.3957	0.4399		11.1	10.0	11.2	30.0
Toluene	Ave	0.6036	0.5643		9.35	10.0	-6.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.4153		11.0	10.0	9.9	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2696		9.74	10.0	-2.6	30.0
Tetrachloroethene	Ave	0.4505	0.3891		8.64	10.0	-13.6	30.0
Dibromochloromethane	Ave	0.5267	0.5199		9.87	10.0	-1.3	30.0
1,2-Dibromoethane	Ave	0.5058	0.4897		9.68	10.0	-3.2	30.0
Chlorobenzene	Ave	0.7815	0.7323		9.37	10.0	-6.3	30.0
Ethylbenzene	Ave	1.224	1.215		9.93	10.0	-0.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4665		19.1	20.0	-4.2	30.0
o-Xylene	Ave	0.4724	0.4530		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7229		9.86	10.0	-1.3	30.0
Bromoform	Ave	0.4668	0.4550		9.75	10.0	-2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7148		10.2	10.0	2.1	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.245		10.2	10.0	2.3	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.190		10.7	10.0	6.9	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7411		9.81	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7394		9.95	10.0	-0.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7179		10.0	10.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3725		10.2	10.0	2.5	30.0
Hexachlorobutadiene	Ave	0.3274	0.3220		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.104		10.6	10.0	5.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.409		10.0	10.0	0.2	30.0
Chloromethane	Ave	1.033	1.054		10.2	10.0	2.0	30.0
Vinyl chloride	Ave	1.233	1.212		9.82	10.0	-1.8	30.0
1,3-Butadiene	Ave	0.9312	0.9073		9.74	10.0	-2.6	30.0
Bromomethane	Ave	1.085	1.032		9.51	10.0	-4.9	30.0
Chloroethane	Ave	0.6096	0.6049		9.92	10.0	-0.8	30.0
Vinyl bromide	Ave	1.151	1.123		9.75	10.0	-2.5	30.0
Trichlorofluoromethane	Ave	3.030	3.054		10.1	10.0	0.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.326		9.90	10.0	-1.0	30.0
1,1-Dichloroethene	Ave	1.199	1.185		9.88	10.0	-1.2	30.0
Acetone	Ave	1.414	1.596		11.3	10.0	12.8	30.0
Isopropanol	Ave	1.106	1.196		10.8	10.0	8.1	30.0
Carbon disulfide	Ave	3.589	3.749		10.4	10.0	4.4	30.0
Allyl chloride	Ave	1.761	1.817		10.3	10.0	3.2	30.0
Methylene Chloride	Ave	1.254	1.287		10.3	10.0	2.6	30.0
tert-Butyl alcohol	Ave	1.571	1.722		11.0	10.0	9.6	30.0
Methyl tert-butyl ether	Ave	3.311	3.371		10.2	10.0	1.8	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.901		10.4	10.0	4.1	30.0
n-Hexane	Ave	2.177	2.226		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	2.305	2.399		10.4	10.0	4.1	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5800		9.73	10.0	-2.6	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.360		10.1	10.0	0.7	30.0
Tetrahydrofuran	Ave	0.1887	0.2052		10.9	10.0	8.7	30.0
Chloroform	Ave	2.638	2.731		10.4	10.0	3.5	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4805		10.1	10.0	1.2	30.0
Cyclohexane	Ave	0.3427	0.3339		9.74	10.0	-2.6	30.0
Carbon tetrachloride	Ave	0.4637	0.4670		10.1	10.0	0.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.180		10.1	10.0	1.2	30.0
Benzene	Ave	0.7557	0.7377		9.76	10.0	-2.4	30.0
1,2-Dichloroethane	Ave	0.2884	0.2957		10.3	10.0	2.5	30.0
n-Heptane	Ave	0.4261	0.4297		10.1	10.0	0.9	30.0
Trichloroethene	Ave	0.3252	0.3237		9.95	10.0	-0.5	30.0
1,2-Dichloropropane	Ave	0.2579	0.2623		10.2	10.0	1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2227		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.0879	0.0894		10.2	10.0	1.7	30.0
Bromodichloromethane	Ave	0.4956	0.5118		10.3	10.0	3.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4051		10.3	10.0	2.7	30.0
methyl isobutyl ketone	Ave	0.3957	0.4066		10.3	10.0	2.8	30.0
Toluene	Ave	0.6036	0.5738		9.50	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.3986		10.5	10.0	5.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2688		9.71	10.0	-2.9	30.0
Tetrachloroethene	Ave	0.4505	0.4084		9.06	10.0	-9.3	30.0
Dibromochloromethane	Ave	0.5267	0.5205		9.88	10.0	-1.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4928		9.74	10.0	-2.6	30.0
Chlorobenzene	Ave	0.7815	0.7424		9.50	10.0	-5.0	30.0
Ethylbenzene	Ave	1.224	1.183		9.67	10.0	-3.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4623		19.0	20.0	-5.1	30.0
o-Xylene	Ave	0.4724	0.4529		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7175		9.79	10.0	-2.1	30.0
Bromoform	Ave	0.4668	0.4511		9.66	10.0	-3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6815		9.73	10.0	-2.7	30.0
4-Ethyltoluene	Ave	1.363	1.371		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	1.217	1.193		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.136		10.1	10.0	0.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.131		10.2	10.0	1.7	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7314		9.68	10.0	-3.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7186		9.67	10.0	-3.3	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6932		9.68	10.0	-3.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3565		9.81	10.0	-1.9	30.0
Hexachlorobutadiene	Ave	0.3274	0.2931		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.470		11.8	10.0	18.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.733		11.0	10.0	9.8	30.0
Chloromethane	Ave	1.033	1.174		11.4	10.0	13.6	30.0
Vinyl chloride	Ave	1.233	1.308		10.6	10.0	6.0	30.0
1,3-Butadiene	Ave	0.9312	0.999		10.7	10.0	7.3	30.0
Bromomethane	Ave	1.085	1.083		9.98	10.0	-0.2	30.0
Chloroethane	Ave	0.6096	0.6538		10.7	10.0	7.3	30.0
Vinyl bromide	Ave	1.151	1.096		9.52	10.0	-4.8	30.0
Trichlorofluoromethane	Ave	3.030	3.264		10.8	10.0	7.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.354		10.0	10.0	0.2	30.0
1,1-Dichloroethene	Ave	1.199	1.157		9.65	10.0	-3.5	30.0
Acetone	Ave	1.414	1.785		12.6	10.0	26.2	30.0
Isopropanol	Ave	1.106	1.297		11.7	10.0	17.2	30.0
Carbon disulfide	Ave	3.589	3.858		10.7	10.0	7.5	30.0
Allyl chloride	Ave	1.761	1.931		11.0	10.0	9.6	30.0
Methylene Chloride	Ave	1.254	1.415		11.3	10.0	12.8	30.0
tert-Butyl alcohol	Ave	1.571	1.758		11.2	10.0	11.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.606		10.9	10.0	8.9	30.0
1,2-Dichloroethene, trans-	Ave	1.826	2.040		11.2	10.0	11.7	30.0
n-Hexane	Ave	2.177	2.388		11.0	10.0	9.7	30.0
1,1-Dichloroethane	Ave	2.305	2.582		11.2	10.0	12.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6064		10.2	10.0	1.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.354		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.1887	0.2203		11.7	10.0	16.7	30.0
Chloroform	Ave	2.638	2.901		11.0	10.0	9.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5066		10.7	10.0	6.6	30.0
Cyclohexane	Ave	0.3427	0.3347		9.76	10.0	-2.3	30.0
Carbon tetrachloride	Ave	0.4637	0.4870		10.5	10.0	5.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.244		10.7	10.0	6.7	30.0
Benzene	Ave	0.7557	0.7467		9.88	10.0	-1.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3235		11.2	10.0	12.2	30.0
n-Heptane	Ave	0.4261	0.4645		10.9	10.0	9.0	30.0
Trichloroethene	Ave	0.3252	0.3273		10.1	10.0	0.6	30.0
1,2-Dichloropropane	Ave	0.2579	0.2738		10.6	10.0	6.1	30.0
Methyl methacrylate	Ave	0.2143	0.2331		10.9	10.0	8.8	30.0
1,4-Dioxane	Ave	0.0879	0.0925		10.5	10.0	5.2	30.0
Bromodichloromethane	Ave	0.4956	0.5414		10.9	10.0	9.2	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4193		10.6	10.0	6.3	30.0
methyl isobutyl ketone	Ave	0.3957	0.4399		11.1	10.0	11.2	30.0
Toluene	Ave	0.6036	0.5643		9.35	10.0	-6.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.4153		11.0	10.0	9.9	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2696		9.74	10.0	-2.6	30.0
Tetrachloroethene	Ave	0.4505	0.3891		8.64	10.0	-13.6	30.0
Dibromochloromethane	Ave	0.5267	0.5199		9.87	10.0	-1.3	30.0
1,2-Dibromoethane	Ave	0.5058	0.4897		9.68	10.0	-3.2	30.0
Chlorobenzene	Ave	0.7815	0.7323		9.37	10.0	-6.3	30.0
Ethylbenzene	Ave	1.224	1.215		9.93	10.0	-0.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4665		19.1	20.0	-4.2	30.0
o-Xylene	Ave	0.4724	0.4530		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7229		9.86	10.0	-1.3	30.0
Bromoform	Ave	0.4668	0.4550		9.75	10.0	-2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7148		10.2	10.0	2.1	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.245		10.2	10.0	2.3	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.190		10.7	10.0	6.9	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7411		9.81	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7394		9.95	10.0	-0.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7179		10.0	10.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3725		10.2	10.0	2.5	30.0
Hexachlorobutadiene	Ave	0.3274	0.3220		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVIS 200-34324/2 Calibration Date: 02/29/2012 11:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	2.955		10.1	10.0	0.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.246		9.54	10.0	-4.6	30.0
Chloromethane	Ave	1.033	0.9812		9.49	10.0	-5.1	30.0
Vinyl chloride	Ave	1.233	1.166		9.45	10.0	-5.4	30.0
1,3-Butadiene	Ave	0.9312	0.8828		9.48	10.0	-5.2	30.0
Bromomethane	Ave	1.085	0.9803		9.03	10.0	-9.6	30.0
Chloroethane	Ave	0.6096	0.5731		9.40	10.0	-6.0	30.0
Vinyl bromide	Ave	1.151	1.077		9.35	10.0	-6.4	30.0
Trichlorofluoromethane	Ave	3.030	2.996		9.89	10.0	-1.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.221		9.45	10.0	-5.5	30.0
1,1-Dichloroethene	Ave	1.199	1.104		9.20	10.0	-7.9	30.0
Acetone	Ave	1.414	1.626		11.5	10.0	15.0	30.0
Isopropanol	Ave	1.106	1.208		10.9	10.0	9.2	30.0
Carbon disulfide	Ave	3.589	3.541		9.86	10.0	-1.4	30.0
Allyl chloride	Ave	1.761	1.617		9.18	10.0	-8.2	30.0
Methylene Chloride	Ave	1.254	1.222		9.75	10.0	-2.5	30.0
tert-Butyl alcohol	Ave	1.571	1.634		10.4	10.0	4.0	30.0
Methyl tert-butyl ether	Ave	3.311	3.393		10.2	10.0	2.5	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.792		9.81	10.0	-1.9	30.0
n-Hexane	Ave	2.177	2.073		9.52	10.0	-4.8	30.0
1,1-Dichloroethane	Ave	2.305	2.259		9.80	10.0	-2.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5927		9.95	10.0	-0.5	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.296		9.60	10.0	-4.0	30.0
Tetrahydrofuran	Ave	0.1887	0.2056		10.9	10.0	8.9	30.0
Chloroform	Ave	2.638	2.593		9.83	10.0	-1.7	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4689		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.3427	0.3200		9.34	10.0	-6.6	30.0
Carbon tetrachloride	Ave	0.4637	0.4569		9.85	10.0	-1.5	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.120		9.61	10.0	-3.9	30.0
Benzene	Ave	0.7557	0.7026		9.30	10.0	-7.0	30.0
1,2-Dichloroethane	Ave	0.2884	0.2824		9.79	10.0	-2.1	30.0
n-Heptane	Ave	0.4261	0.4043		9.49	10.0	-5.1	30.0
Trichloroethene	Ave	0.3252	0.3054		9.39	10.0	-6.1	30.0
1,2-Dichloropropane	Ave	0.2579	0.2481		9.62	10.0	-3.8	30.0
Methyl methacrylate	Ave	0.2143	0.2259		10.5	10.0	5.4	30.0
1,4-Dioxane	Ave	0.0879	0.0940		10.7	10.0	6.9	30.0
Bromodichloromethane	Ave	0.4956	0.4941		9.97	10.0	-0.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3911		9.91	10.0	-0.9	30.0
methyl isobutyl ketone	Ave	0.3957	0.4165		10.5	10.0	5.2	30.0
Toluene	Ave	0.6036	0.5521		9.15	10.0	-8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVIS 200-34324/2 Calibration Date: 02/29/2012 11:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.3916		10.4	10.0	3.6	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2573		9.30	10.0	-7.0	30.0
Tetrachloroethene	Ave	0.4505	0.3823		8.48	10.0	-15.1	30.0
Dibromochloromethane	Ave	0.5267	0.4942		9.38	10.0	-6.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4653		9.20	10.0	-8.0	30.0
Chlorobenzene	Ave	0.7815	0.7061		9.03	10.0	-9.6	30.0
Ethylbenzene	Ave	1.224	1.157		9.45	10.0	-5.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4527		18.6	20.0	-7.1	30.0
o-Xylene	Ave	0.4724	0.4409		9.33	10.0	-6.7	30.0
Styrene	Ave	0.7327	0.6948		9.48	10.0	-5.2	30.0
Bromoform	Ave	0.4668	0.4352		9.32	10.0	-6.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6604		9.43	10.0	-5.7	30.0
4-Ethyltoluene	Ave	1.363	1.338		9.82	10.0	-1.8	30.0
2-Chlorotoluene	Ave	1.217	1.154		9.47	10.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.134		10.1	10.0	0.7	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.110		9.98	10.0	-0.2	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6946		9.20	10.0	-8.0	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6869		9.24	10.0	-7.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6621		9.24	10.0	-7.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3348		9.21	10.0	-7.9	30.0
Hexachlorobutadiene	Ave	0.3274	0.2834		8.65	10.0	-13.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVC 200-34324/28 Calibration Date: 03/01/2012 08:45

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.282		11.2	10.0	11.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.500		10.3	10.0	2.9	30.0
Chloromethane	Ave	1.033	1.080		10.4	10.0	4.5	30.0
Vinyl chloride	Ave	1.233	1.220		9.89	10.0	-1.1	30.0
1,3-Butadiene	Ave	0.9312	0.9215		9.89	10.0	-1.0	30.0
Bromomethane	Ave	1.085	1.039		9.58	10.0	-4.2	30.0
Chloroethane	Ave	0.6096	0.6214		10.2	10.0	1.9	30.0
Vinyl bromide	Ave	1.151	1.063		9.23	10.0	-7.6	30.0
Trichlorofluoromethane	Ave	3.030	3.181		10.5	10.0	5.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.281		9.71	10.0	-2.9	30.0
1,1-Dichloroethene	Ave	1.199	1.124		9.37	10.0	-6.3	30.0
Acetone	Ave	1.414	1.731		12.2	10.0	22.4	30.0
Isopropanol	Ave	1.106	1.190		10.8	10.0	7.6	30.0
Carbon disulfide	Ave	3.589	3.694		10.3	10.0	2.9	30.0
Allyl chloride	Ave	1.761	1.505		8.54	10.0	-14.6	30.0
Methylene Chloride	Ave	1.254	1.318		10.5	10.0	5.1	30.0
tert-Butyl alcohol	Ave	1.571	1.688		10.7	10.0	7.4	30.0
Methyl tert-butyl ether	Ave	3.311	3.535		10.7	10.0	6.8	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.938		10.6	10.0	6.1	30.0
n-Hexane	Ave	2.177	2.243		10.3	10.0	3.0	30.0
1,1-Dichloroethane	Ave	2.305	2.439		10.6	10.0	5.8	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5995		10.1	10.0	0.6	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.322		9.79	10.0	-2.1	30.0
Tetrahydrofuran	Ave	0.1887	0.2176		11.5	10.0	15.3	30.0
Chloroform	Ave	2.638	2.805		10.6	10.0	6.3	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4986		10.5	10.0	5.0	30.0
Cyclohexane	Ave	0.3427	0.3277		9.56	10.0	-4.4	30.0
Carbon tetrachloride	Ave	0.4637	0.4858		10.5	10.0	4.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.195		10.3	10.0	2.5	30.0
Benzene	Ave	0.7557	0.7243		9.58	10.0	-4.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3132		10.9	10.0	8.6	30.0
n-Heptane	Ave	0.4261	0.4393		10.3	10.0	3.1	30.0
Trichloroethene	Ave	0.3252	0.3165		9.73	10.0	-2.7	30.0
1,2-Dichloropropane	Ave	0.2579	0.2615		10.1	10.0	1.4	30.0
Methyl methacrylate	Ave	0.2143	0.2320		10.8	10.0	8.3	30.0
1,4-Dioxane	Ave	0.0879	0.0888		10.1	10.0	1.0	30.0
Bromodichloromethane	Ave	0.4956	0.5318		10.7	10.0	7.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4098		10.4	10.0	3.9	30.0
methyl isobutyl ketone	Ave	0.3957	0.4376		11.1	10.0	10.6	30.0
Toluene	Ave	0.6036	0.5403		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVC 200-34324/28 Calibration Date: 03/01/2012 08:45

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.4093		10.8	10.0	8.3	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2550		9.22	10.0	-7.8	30.0
Tetrachloroethene	Ave	0.4505	0.3745		8.31	10.0	-16.9	30.0
Dibromochloromethane	Ave	0.5267	0.4994		9.48	10.0	-5.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4684		9.26	10.0	-7.4	30.0
Chlorobenzene	Ave	0.7815	0.7006		8.96	10.0	-10.3	30.0
Ethylbenzene	Ave	1.224	1.168		9.54	10.0	-4.6	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4514		18.5	20.0	-7.3	30.0
o-Xylene	Ave	0.4724	0.4387		9.28	10.0	-7.1	30.0
Styrene	Ave	0.7327	0.7007		9.56	10.0	-4.4	30.0
Bromoform	Ave	0.4668	0.4371		9.36	10.0	-6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6779		9.68	10.0	-3.2	30.0
4-Ethyltoluene	Ave	1.363	1.381		10.1	10.0	1.3	30.0
2-Chlorotoluene	Ave	1.217	1.193		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.142		10.1	10.0	1.4	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.145		10.3	10.0	2.9	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7031		9.31	10.0	-6.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6938		9.34	10.0	-6.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6745		9.42	10.0	-5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3541		9.74	10.0	-2.6	30.0
Hexachlorobutadiene	Ave	0.3274	0.3072		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.101		10.6	10.0	5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.375		9.92	10.0	-0.8	30.0
Chloromethane	Ave	1.033	1.008		9.75	10.0	-2.5	30.0
Vinyl chloride	Ave	1.233	1.187		9.62	10.0	-3.7	30.0
1,3-Butadiene	Ave	0.9312	0.9085		9.75	10.0	-2.4	30.0
Bromomethane	Ave	1.085	1.016		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.6096	0.5892		9.66	10.0	-3.3	30.0
Vinyl bromide	Ave	1.151	1.121		9.74	10.0	-2.6	30.0
Trichlorofluoromethane	Ave	3.030	3.167		10.5	10.0	4.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.331		9.92	10.0	-0.8	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.656		11.7	10.0	17.1	30.0
Isopropanol	Ave	1.106	1.100		9.94	10.0	-0.6	30.0
Carbon disulfide	Ave	3.589	3.680		10.3	10.0	2.5	30.0
Allyl chloride	Ave	1.761	1.695		9.62	10.0	-3.8	30.0
Methylene Chloride	Ave	1.254	1.243		9.91	10.0	-0.9	30.0
tert-Butyl alcohol	Ave	1.571	1.696		10.8	10.0	7.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.553		10.7	10.0	7.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.868		10.2	10.0	2.3	30.0
n-Hexane	Ave	2.177	2.155		9.90	10.0	-1.0	30.0
1,1-Dichloroethane	Ave	2.305	2.329		10.1	10.0	1.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6118		10.3	10.0	2.7	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.355		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1887	0.2076		11.0	10.0	10.0	30.0
Chloroform	Ave	2.638	2.728		10.3	10.0	3.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4893		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3427	0.3254		9.49	10.0	-5.0	30.0
Carbon tetrachloride	Ave	0.4637	0.4791		10.3	10.0	3.3	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.145		9.82	10.0	-1.8	30.0
Benzene	Ave	0.7557	0.7184		9.50	10.0	-4.9	30.0
1,2-Dichloroethane	Ave	0.2884	0.2958		10.3	10.0	2.6	30.0
n-Heptane	Ave	0.4261	0.4133		9.70	10.0	-3.0	30.0
Trichloroethene	Ave	0.3252	0.3186		9.79	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2579	0.2567		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.2143	0.2327		10.9	10.0	8.6	30.0
1,4-Dioxane	Ave	0.0879	0.0836		9.51	10.0	-4.9	30.0
Bromodichloromethane	Ave	0.4956	0.5137		10.4	10.0	3.6	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4069		10.3	10.0	3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.4210		10.6	10.0	6.4	30.0
Toluene	Ave	0.6036	0.5685		9.42	10.0	-5.8	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4036		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2638		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.4505	0.3999		8.87	10.0	-11.2	30.0
Dibromochloromethane	Ave	0.5267	0.5174		9.82	10.0	-1.8	30.0
1,2-Dibromoethane	Ave	0.5058	0.4851		9.59	10.0	-4.1	30.0
Chlorobenzene	Ave	0.7815	0.7317		9.36	10.0	-6.4	30.0
Ethylbenzene	Ave	1.224	1.196		9.77	10.0	-2.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4673		19.2	20.0	-4.1	30.0
o-Xylene	Ave	0.4724	0.4552		9.64	10.0	-3.6	30.0
Styrene	Ave	0.7327	0.7178		9.79	10.0	-2.0	30.0
Bromoform	Ave	0.4668	0.4547		9.74	10.0	-2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6806		9.72	10.0	-2.8	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.201		9.86	10.0	-1.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.157		10.3	10.0	2.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.162		10.4	10.0	4.4	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7144		9.46	10.0	-5.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7004		9.43	10.0	-5.7	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6845		9.56	10.0	-4.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3443		9.47	10.0	-5.3	30.0
Hexachlorobutadiene	Ave	0.3274	0.2939		8.97	10.0	-10.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.128		10.7	10.0	6.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.386		9.95	10.0	-0.4	30.0
Chloromethane	Ave	1.033	1.011		9.78	10.0	-2.2	30.0
Vinyl chloride	Ave	1.233	1.151		9.33	10.0	-6.6	30.0
1,3-Butadiene	Ave	0.9312	0.8599		9.23	10.0	-7.7	30.0
Bromomethane	Ave	1.085	1.013		9.34	10.0	-6.6	30.0
Chloroethane	Ave	0.6096	0.5838		9.58	10.0	-4.2	30.0
Vinyl bromide	Ave	1.151	1.095		9.51	10.0	-4.9	30.0
Trichlorofluoromethane	Ave	3.030	3.181		10.5	10.0	5.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.313		9.84	10.0	-1.5	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.537		10.9	10.0	8.7	30.0
Isopropanol	Ave	1.106	1.113		10.1	10.0	0.6	30.0
Carbon disulfide	Ave	3.589	3.645		10.2	10.0	1.6	30.0
Allyl chloride	Ave	1.761	1.803		10.2	10.0	2.4	30.0
Methylene Chloride	Ave	1.254	1.254		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	1.571	1.629		10.4	10.0	3.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.306		9.99	10.0	-0.1	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.862		10.2	10.0	2.0	30.0
n-Hexane	Ave	2.177	2.165		9.95	10.0	-0.5	30.0
1,1-Dichloroethane	Ave	2.305	2.362		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5668		9.51	10.0	-4.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.343		9.95	10.0	-0.5	30.0
Tetrahydrofuran	Ave	0.1887	0.1930		10.2	10.0	2.2	30.0
Chloroform	Ave	2.638	2.770		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4996		10.5	10.0	5.2	30.0
Cyclohexane	Ave	0.3427	0.3291		9.60	10.0	-3.9	30.0
Carbon tetrachloride	Ave	0.4637	0.4915		10.6	10.0	6.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.150		9.87	10.0	-1.3	30.0
Benzene	Ave	0.7557	0.7206		9.53	10.0	-4.6	30.0
1,2-Dichloroethane	Ave	0.2884	0.3008		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4261	0.4146		9.73	10.0	-2.7	30.0
Trichloroethene	Ave	0.3252	0.3258		10.0	10.0	0.2	30.0
1,2-Dichloropropane	Ave	0.2579	0.2535		9.82	10.0	-1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2135		9.96	10.0	-0.4	30.0
1,4-Dioxane	Ave	0.0879	0.0906		10.3	10.0	3.0	30.0
Bromodichloromethane	Ave	0.4956	0.5248		10.6	10.0	5.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4001		10.1	10.0	1.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.3962		10.0	10.0	0.1	30.0
Toluene	Ave	0.6036	0.5968		9.89	10.0	-1.1	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3911		10.3	10.0	3.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2787		10.1	10.0	0.7	30.0
Tetrachloroethene	Ave	0.4505	0.4382		9.73	10.0	-2.7	30.0
Dibromochloromethane	Ave	0.5267	0.5576		10.6	10.0	5.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.5169		10.2	10.0	2.2	30.0
Chlorobenzene	Ave	0.7815	0.7773		9.94	10.0	-0.5	30.0
Ethylbenzene	Ave	1.224	1.235		10.1	10.0	0.9	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4768		19.6	20.0	-2.1	30.0
o-Xylene	Ave	0.4724	0.4664		9.87	10.0	-1.3	30.0
Styrene	Ave	0.7327	0.7399		10.1	10.0	1.0	30.0
Bromoform	Ave	0.4668	0.4802		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7041		10.1	10.0	0.6	30.0
4-Ethyltoluene	Ave	1.363	1.426		10.5	10.0	4.6	30.0
2-Chlorotoluene	Ave	1.217	1.249		10.3	10.0	2.6	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.192		10.7	10.0	7.1	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7405		9.80	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7313		9.84	10.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7073		9.87	10.0	-1.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3555		9.78	10.0	-2.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.3124		9.54	10.0	-4.6	30.0

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345053 2	Instrument ID: C
Test Method: TOIS / TOISLLNJ	End Date: 2/25/12	Time: 0522	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager KAD	Analyst WD	Analyst HK	Analyst PAD	Analyst
Name/Initial	Kristine Dusablon	William DeJarnette	Angela H. Keene	Paul Daigle	
Signature	Kristine Dusablon	William DeJarnette	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	Ok
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3570	IC Level 8		2	40		NA	✓	WRD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	ICIS Level 4	2	5				✓	✓	275682
1413	008	3643	IC Level 5	2	6				✓		279073
1503	009	3551	IC Level 6	2	7				✓		279072
1553	010	3631	IC Level 7	2	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	2	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Value Elevated
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Elevated
2234	016 018	4632	MB		1			✓	✓	AHK	Ok
2324	017 019	5033	680-76954-1	10	10	20	WRD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	2/24/12 019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 023	4565	-5	964	14	35		KLP 2/28/12 ✓	✓		CDF 168.78 ER OR
0337	022 024	4471	9412-17	2.99	15	69	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0604	025 027	3459	-20	131	23	26		✓	✓		CDF 1201 C
0654	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #:	245052	Instrument ID: C
Test Method:	TO15 / TO15 LL	End Date: 2/25/12	Time: 0122	CAL STD Lot #	See comments	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot #	↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	CKQ 028	4477	9412-23	10	6	20					
	↓ 025	5044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	ICV	NA	9	200	WRH	✓	✓	AHR	290414, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/29/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905	ISTD Lot #: 248052	Instrument ID: C
Test Method: TO15-LL-NJ	End Date: 2/29/12	Time: 0905	CAL STD Lot # 275682	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 279336/279314/275708	Column Type: RTX-624

	Manager MTP	Analyst WRD	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	William DeStaebler	Angela H. Keene		
Signature	Mark Phillips	William DeStaebler	Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0905	CKQC001		BFB	NA	NA	NA	WRD	NA	NA	WRD	
0957	02	3543	CCV		1	200		NA	✓		
1047	03	4632	MB		2			✓	✓		
1137	04	2969	not used		3						Valve closed
1228	05	2969	0.2RLCS		3			✓	✓		2↑
1318	06	3639	0.5RLCS		4			✓	✓		1↑
1408	07	2518	1.0RLLCS		5			✓	✓	—	AG
1458	08	3686	9468-8	0.4	6	500		✓	✓	AHK	Both Cont C
1548	09	4872	9496-2	0.4	7	500		✓	✓		C
1638	10	4328	9498-8	0.4	8	500		✓	✓		C
1728	11	3048	9508-5	0.4	9	500		✓	✓		
1818	12	2546	9511-11	0.4	10	500		✓	✓		
1908	13	2780	9428-9	0.4	11	500		✓	✓	WRD	Inst Cal
1958	14	5753	-10		12			✓	✓		
2048	15	2521	-11		13			✓	✓		
2137	16	4542	-12		14			✓	✓		
2227	17	5022	9482-1	1	15	200		✓	✓		C
2317	18	4097	-2	1	16	1		✓	✓		C
0007	19	4392	9466-1	10	1	20	WRD	✓	✓		C
0056	20	3582	-2		2			✓	✓		C
0146	21	4965	-3		3			✓	✓		C
0236	22	4657	-4		4			✓	✓		C
0327	23	4950	-5		5			✓	✓		C
0417	24	3809	-6		6			✓	✓		C
0507	25	2983	-7		7		AHK	✓	✓		C
0557	26	3641	-8		8			✓	✓		C
0647	27	4645	-09		9			✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

Page 574 of 595

03/30/2012

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905		ISTD Lot #:	Instrument ID: C
Test Method: TO15 LLM	End Date: 2/29/12	Time: 0905		CAL STD Lot #	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0737	CKQC 028	3543	CCVC	NA	10	200	AHK	✓	✓	WAD	AG-
~~—~~	~~I 029~~	~~3543~~		~~NA~~	~~10~~	~~200~~	~~AHK~~				~~did not run~~

2/29/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9468-1

SDG No.:

Instrument ID: C.i Start Date: 02/28/2012 09:05

Analysis Batch Number: 34272 End Date: 02/29/2012 07:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34272/1		02/28/2012 09:05	1	ckqc001.d	RTX-624 0.32(mm)
CCVIS 200-34272/2		02/28/2012 09:57	1	ckqc002.d	RTX-624 0.32(mm)
MB 200-34272/3		02/28/2012 10:47	1	ckqc003.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 11:37	1		RTX-624 0.32(mm)
LCS 200-34272/5		02/28/2012 12:28	1	ckqc005.d	RTX-624 0.32(mm)
LCS 200-34272/6		02/28/2012 13:18	1	ckqc006.d	RTX-624 0.32(mm)
LCS 200-34272/7		02/28/2012 14:08	1	ckqc007.d	RTX-624 0.32(mm)
200-9468-8	3686	02/28/2012 14:58	0.4	ckqc008.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 15:48	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 16:38	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 17:28	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 18:18	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:08	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:58	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 20:48	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 21:37	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 22:27	1		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 23:17	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:56	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 01:46	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 02:36	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 03:27	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 04:17	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:57	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 06:47	10		RTX-624 0.32(mm)
CCVC 200-34272/28		02/29/2012 07:37	1	ckqc028.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Instrument ID: C.i Start Date: 02/28/2012 09:05

Analysis Batch Number: 34272 End Date: 02/29/2012 07:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34272/1		02/28/2012 09:05	1	ckqc001.d	RTX-624 0.32(mm)
CCVIS 200-34272/2		02/28/2012 09:57	1	ckqc002.d	RTX-624 0.32(mm)
MB 200-34272/3		02/28/2012 10:47	1	ckqc003.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 11:37	1		RTX-624 0.32(mm)
LCS 200-34272/5		02/28/2012 12:28	1	ckqc005.d	RTX-624 0.32(mm)
LCS 200-34272/6		02/28/2012 13:18	1	ckqc006.d	RTX-624 0.32(mm)
LCS 200-34272/7		02/28/2012 14:08	1	ckqc007.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 14:58	0.4		RTX-624 0.32(mm)
200-9496-2	4872	02/28/2012 15:48	0.4	ckqc009.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 16:38	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 17:28	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 18:18	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:08	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:58	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 20:48	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 21:37	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 22:27	1		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 23:17	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:56	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 01:46	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 02:36	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 03:27	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 04:17	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:57	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 06:47	10		RTX-624 0.32(mm)
CCVC 200-34272/28		02/29/2012 07:37	1	ckqc028.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	KAP Kristine Dusablon	WJD William DeJardin	AHK Angela H. Keene	PAD Paul Daigle	
Signature	Kristine Dusablon	William DeJardin	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	Ok
0912	002	4632	VIBLK		1	200		✓	✓	WJD	—
1002	003	3570	IC Level 8		2	40		NA	✓	WJD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC IS Level 4		5				✓	✓	275682
1413	008	3643	IC Level 5		6				✓		279073
1503	009	3551	IC Level 6		7				✓		279072
1553	010	3631	IC Level 7		8				✓		275630
1643	011	4632 VIBLK	IC Level 8		1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Close
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960			9			✓	NA		290911 Value Close
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	ok
2324	017 019	5033	680-76954-1	10	10	20	WJD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓↓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 023	4565	-5	964	14	35		✓ KLP 2/28/12	✓		CDF 168.78 ~~ER~~ OR
0337	022 024	4471	9412-17	2.99	15	67	WJD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 1201 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method: TO15 / TO15LL-MS	End Date: 2/25/12	Time: 0822	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ028~~	4477	9412-23	10	6	20					
	~~↓ 025~~	5044	-24	10.1	7	30					CDF/02
2054	CKQ016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905	ISTD Lot #: 248052	Instrument ID: C
Test Method: TO15-L-NJ	End Date: 2/29/12	Time: 0905	CAL STD Lot # 275682	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 279336/279314/275708	Column Type: RTX-624

	Manager MTP	Analyst WD	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	William DeStefano	Angela H. Keene		
Signature	Mark Phillips		Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0905	CKQC001		BFB	NA	NA	NA	WD	NA	NA	WD	
0957	02	3543	CCV		1	200		NA	✓		
1047	03	4632	MB		2			✓	✓		
1137	04	2969	not used		3						Valve closed
1228	05	2969	0.2RLCS		3			✓	✓		2nd
1318	06	3639	0.5RLCS		4			✓	✓		1st
1408	07	2518	1.0RLCS		5			✓	✓		AG
1458	08	3686	9468-8	0.4	6	500		✓	✓	AHK	Both Cat C
1548	09	4872	9496-2	0.4	7	500		✓	✓		C
1638	10	4328	9498-8	0.4	8	500		✓	✓		C
1728	11	3048	9508-5	0.4	9	500		✓	✓		
1818	12	2596	9511-11	0.4	10	500		✓	✓		
1908	13	2780	9478-9	0.4	11	500		✓	✓	WD	Inst Cat
1958	14	5153	-10		12			✓	✓		
2048	15	2521	-11		13			✓	✓		
2137	16	4547	-12		14			✓	✓		
2227	17	5022	9482-1	1	15	200		✓	✓		C
2317	18	4097	-2	1	16	1		✓	✓		C
0007	19	4392	9466-1	10	1	20	WD	✓	✓		C
0056	20	3582	-2		2			✓	✓		C
0146	21	4965	-3		3			✓	✓		C
0236	22	4651	-4		4			✓	✓		C
0327	23	4950	-5		5			✓	✓		C
0417	24	3809	-6		6			✓	✓		C
0507	25	2983	-7		7		AHK	✓	✓		C
0557	26	3691	-8		8			✓	✓		C
0647	27	4645	-09		9			✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905	ISTD Lot #:	Instrument ID: C
Test Method: TO15LLM	End Date: 2/29/12	Time: 0805	CAL STD Lot #	Instrument: 5973
ICAL Date:			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0737	CKQC 028	3543	CCVC	NA	10	200	AHK	✓	✓	WRD	AG-
~~—~~	~~1 029~~	~~3543~~		~~NA~~	~~10~~	~~200~~	~~AHK~~				did not run

2/29/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Instrument ID: C.i Start Date: 02/29/2012 10:13

Analysis Batch Number: 34324 End Date: 03/01/2012 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34324/1		02/29/2012 10:13	1	ckqd001.d	RTX-624 0.32(mm)
CCVIS 200-34324/2		02/29/2012 11:03	1	ckqd002.d	RTX-624 0.32(mm)
MB 200-34324/3		02/29/2012 11:55	1	ckqd003.d	RTX-624 0.32(mm)
LCS 200-34324/4		02/29/2012 12:45	1	ckqd004.d	RTX-624 0.32(mm)
LCS 200-34324/5		02/29/2012 13:35	1	ckqd005.d	RTX-624 0.32(mm)
LCS 200-34324/6		02/29/2012 14:25	1	ckqd006.d	RTX-624 0.32(mm)
200-9518-4	5045	02/29/2012 15:15	0.4	ckqd007.d	RTX-624 0.32(mm)
ZZZZZ		02/29/2012 16:06	9.97		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 16:56	99.7		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 17:46	9.98		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 18:35	99.8		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 19:25	9.98		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 20:15	49.9		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 21:05	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 21:55	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 22:45	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 23:35	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 00:25	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 01:15	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 02:05	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 02:55	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 03:45	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 04:35	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 05:25	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 06:15	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 07:05	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 07:55	1		RTX-624 0.32(mm)
CCVC 200-34324/28		03/01/2012 08:45	1	ckqd028.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345653 2	Instrument ID: C
Test Method: TOIS / TOISLLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	Kristine Dusablon	William D. Jordan	Angela H. Keene	Paul D.	
Signature	Kristine Dusablon	William D. Jordan	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	Ok
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3570	IC Level 8		2	40		NA	✓	WRD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC IS Level 4	2	5				✓		275682
1413	008	3643	IC Level 5	4	6				✓		279073
1503	009	3557	IC Level 6	2	7				✓		279072
1553	010	3631	IC Level 7	3	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	3.4	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Value Close
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Close
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	ok
2324	017 019	5033	680-76954-1	10	10	20	WRD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	1019 021	4374	-3	1	12	200		✓	✓		C
0155	2/24/12 020 022	2977	-4	999	13	107		✓	✓		CDF 3.342 C
0246	021 023	4565	-5	964	14	35		KLP 2/28/12 ✓	✓		CDF 168.78 RR OR
0337	022 024	4471	9412-17	2.99	15	69	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 12.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID:	CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method:	TO15 / TO15LL	End Date: 2/25/12	Time: 0022	CAL STD Lot # See comments	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4427	9412-23	10	6	20					
	↓ 029	5044	-24	10.1	7	30					CDF 1.52
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290714, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQD	Start Date: 2/29/12	Time: 1013	ISTD Lot #:	248052	Instrument ID: C
Test Method:	TO15 NSLL	End Date: 3/1/12	Time: 1013	CAL STD Lot #	225682	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	279336 / 279314 / 255708	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
	MTP	WHD	AHK		
Name/Initial	Mark Phillips	William D. Jordan	Angela H. Keene		
Signature	Mark Phillips		Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1013	CKQD 001		BFB	1A	NA	NA	WHD	NA	NA	WHD	
1103	02	3543	CCV	"	1	200	"	NA	✓	"	AG
1155	03	4632	MB	"	2	"	"	✓	✓	"	
1245	04	2969	0.2 RLCS	"	3	"	"	✓	✓	"	AG
1335	05	3639	0.5 RLCS	"	4	"	"	✓	✓	"	AG
1425	06	3518	5.0 RLCS	"	5	"	"	✓	✓	"	AG
1515	07	5045	9518-4	0.4	6	500	WHD	✓	✓	"	C
1606	08	2990	9488-7	9.97	7	200	"	✓	↑ ✓	"	CCF 9.97
1656	09	2990	-7	99.7	7	20	"	✓	✓ DL	"	9.97 C
1746	10	3361	-8	9.98	8	200	"	✓	↑ ✓	"	9.98
1835	11	3361	-8	99.8	8	20	"	✓	✓ DL	"	9.98 C
1925	12	3334	-9	9.98	9	200	"	✓	↑ ✓	"	9.98
2015	13	3334	-9	49.9	9	40	"	✓	✓ DL	"	9.98 C
2105	14	2693	9488-1	"	10	200	WHD	✓	✓	"	C
2155	15	4817	-2	"	11	"	"	✓	✓	"	C
2245	16	3666	-3	"	12	"	"	✓	✓	"	C
2335	17	3276	-4	"	13	"	"	✓	✓	"	C
0025	18	3532	-5	"	14	"	"	✓	✓	"	C
0115	19	3044	-6	"	15	"	"	✓	✓	"	C
0205	20	3591	9466-10	10	16	20	"	✓	✓	"	C
0255	21	3811	-11	"	1	"	"	✓	✓	"	C
0345	22	4641	-12	"	2	"	"	✓	✓	"	C
0435	23	3286	9466-13	1	3	200	"	✓	✓	"	C
0525	24	3272	-14	"	4	"	"	✓	✓	"	C
0615	25	4804	-15	"	5	"	"	✓	✓	"	C
0705	26	5067	-16	"	6	"	"	✓	✓	"	C
0755	27	3083	-17	1	7	"	AHK	✓	✓	"	C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: CKQD	Start Date: 2/29/12	Time: 1013		ISTD Lot #:	Instrument ID: C
Test Method: TO15LLMS	End Date: 3/1/12	Time: 1013		CAL STD Lot #	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0845	CKQD 28	3543	CCV	NA	8	200	AHL	✓	✓	WRD	AC
	~~1 29~~	~~3543~~		~~NA~~	~~8~~	~~200~~	~~AHL~~				Do not report

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345553	Instrument ID: C
Test Method: TO15 / TO15LLNJ	End Date: 2/25/12	Time: 0522	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager KAD	Analyst WJD	Analyst AHK	Analyst PAD	Analyst
Name/Initial	Kristine DuGuay	William DeJardin	Angela H. Keene	Paul Daigle	
Signature	Kristine DuGuay	William DeJardin	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	OK
0912	002	4632	VIBLK		1	200		✓	✓	WJD	—
1002	003	3510	IC Level 8		2	40		NA	✓	(WJD)	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC IS Level 4	2nd run	5				✓	✓	275682
1413	008	3643	IC Level 5	2nd run	6				✓		279073
1503	009	3551	IC Level 6	2nd run	7				✓		279072
1553	010	3631	IC Level 7	2nd run	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	2nd run	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Closed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Closed
2234	016 015	4632	MB		1			✓	✓	AHK	OK
2324	017 016	5033	680-7954-1	10	10	20	WJD	—	✓		C
0015	018 017	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	019 018	4374	-3	1	12	200		✓	✓		C
0155	020 019	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 020	4565	-5	964	14	35		✓ KLP 2/28/12	✓		CDF 168.78 ER OK
0337	022 021	4471	9412-17	2.99	15	67	WJD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 12.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	4.5	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability		Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052		Instrument ID: C
Test Method: TO15 / TO15LL-M	End Date: 2/25/12	Time: 0022	CAL STD Lot # See comments		Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # ↓		Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	CKQ 028	4477	9412-23	10	6	20					
	↓ 025	3044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	DCV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

#34384

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQE	Start Date:	3/1/12 Time: 1011	ISTD Lot #:	248052	Instrument ID: C
Test Method:	TOLLIS	End Date:	3/2/12 Time: 1011	CAL STD Lot #	275682	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	279336 / 279314 / 275268	Column Type: RTX-624

	Manager MTP	Analyst WAD	Analyst	Analyst	Analyst
Name/Initial	Mark Phillips	William DesJardins	Paul Daigle		
Signature	Mark Phillips		P.A.D. PAD		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1011	CKQE 001	N/A	BFB	NA			WAD	NA	NA	WAD	
1101	02	3543	ICV		1	200		NA	✓		AG
1151	03	4632	MB		2			✓	✓		
1241	04	2569	0.2RLLCS		3			✓	✓		AG
1332	05	3639	0.5RLLCS		4			✓	✓		↓↑
1422	06	2518	5.0RLLCS		5			✓	✓		AG
1512	07	3459	9523-8	0.4	6	500		✓	✓		
1602	08	3620	9525-2	0.4	7	500		✓	✓		
1653	09	3621	9466-18	1	8	200		✓	✓	AHH	C
1743	10	4153	-19		9			✓	✓	AHH	C
1833	11	5145	-20		10			✓	✓	PAD	C TICs ✓
1923	12	4782	-21		11			✓	✓		C TICs ✓
2013	13	5976	-22		12			✓	✓		C
2103	14	3224	-23		13			✓	✓		C
2153	15	4776	-24		14			✓	✓		C
2243	16	4815	-25		15			✓	✓		C
2333	17	4874	-26		16			✓	✓		C
0023	18	4470	9493-1	1	1	200		✓	✓		C TICs ✓
0113	19	4545	-2		2			✓	✓		C TICs ✓
0203	20	4310	-3		3			✓	✓		C
0253	21	3584	-4	10	4	80		✓	↑ ✓		CDF 4.0 MC C
0343	22	3584	-4	32	4	25		✓	✓		CDF 4.0 C
0433	23	3577	-5	10	5	20		✓	✓		C
0523	24	2741	9494-1	1	6	200	WAD	✓	✓		C
0613	25	3975	-2	1	7			✓	✓		C
0704	26	5080	-3	1	8			✓	✓		C
0754	27	5080	-3	2	8	100		✓	—		not needed

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

Page 592 of 595

03/30/2012

PAD 03/02/12

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQE	Start Date: 03/02/12	Time: 1011	ISTD Lot #:	Instrument ID: C
Test Method: TO15LL-NJ	End Date: 03/02/12	Time: 1011	CAL STD Lot #	Instrument: 5973
ICAL Date:			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0844	CKQE 028	3543	CCVC	NA	9	200	AHK	✓	✓	PAD	AG

PAD 03/02/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Instrument ID: C.i Start Date: 03/01/2012 10:11

Analysis Batch Number: 34384 End Date: 03/02/2012 08:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34384/1		03/01/2012 10:11	1	ckqe001.d	RTX-624 0.32(mm)
CCVIS 200-34384/2		03/01/2012 11:01	1	ckqe002.d	RTX-624 0.32(mm)
MB 200-34384/3		03/01/2012 11:51	1	ckqe003.d	RTX-624 0.32(mm)
LCS 200-34384/4		03/01/2012 12:41	1	ckqe004.d	RTX-624 0.32(mm)
LCS 200-34384/5		03/01/2012 13:32	1	ckqe005.d	RTX-624 0.32(mm)
LCS 200-34384/6		03/01/2012 14:22	1	ckqe006.d	RTX-624 0.32(mm)
ZZZZZ		03/01/2012 15:12	0.4		RTX-624 0.32(mm)
200-9525-2	3620	03/01/2012 16:02	0.4	ckqe008.d	RTX-624 0.32(mm)
ZZZZZ		03/01/2012 16:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 17:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 18:33	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 19:23	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 20:13	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:03	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 22:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 23:33	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 00:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 01:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:03	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:53	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 03:43	32		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 04:33	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 05:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 06:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:04	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:54	2		RTX-624 0.32(mm)
CCVC 200-34384/28		03/02/2012 08:44	1	ckqe028.d	RTX-624 0.32(mm)

ANALYTICAL REPORT

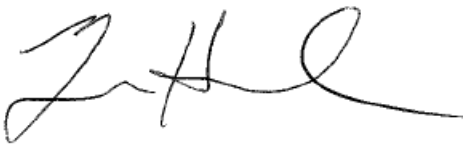
Job Number: 200-9750-1

SDG Number: 200-9750-1

Job Description: Fort Monmouth

For:
Bureau Veritas North America, Inc.
3380 Chastain Meadows Parkway
Suite 300
Kennesaw, GA 30144

Attention: Mr. Chris Ostermann



Approved for release.
Ryan J Hammond
Project Manager I
3/30/2012 10:23 AM

Ryan J Hammond
Project Manager I
ryan.hammond@testamericainc.com
03/30/2012

cc: Geoffrey Clark

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

Table of Contents

Cover Title Page 1

Sample List 4

External Chain of Custody 5

Internal Chain of Custody 7

Shipping Documentation 8

Airbills (if Applicable) 9

Sample Receipt and Log In Check List 14

Standards Traceability 15

Methodology Review 98

Report Narrative 99

Case Narrative 99

Manual Integration Documentation 100

Data Sheets in Excel 110

Qualifier Definition 131

Method Detection Limit Studies 132

Method Detection Limit Study Summary 132

Verified MDL Summary 138

Organic Sample Data 146

Air - GC/MS VOA 146

Method TO15 Low Level - New Jersey 146

QC Summary 147

Reporting Limit Laboratory Control Sample Summary 147

Method Blank Summary 153

Instrument Performance Check 156

Internal Standard and RT Summary 161

Sample Data 166

Table of Contents

Standards Data 265

Method TO15 Low Level - New Jersey Initial Calibration 265

Method TO15 Low Level - New Jersey Initial Calibration Verification Sample Standard Summary . . . 343

Method TO15 Low Level - New Jersey Continuing Calibration Summary(ies) 353

Raw QC Data 392

GC/MS Tune Perfromance DataMethod TO15 Low Level - New Jersey Tune Data 392

Method TO15 Low Level - New Jersey Blank Data 412

Reporting Limit Laboratory Control Sample DataMethod TO15 Low Level - New Jersey LCS/LCSD Data 427

Sample Preparation 455

Method TO15 Low Level - New Jersey Instrument Run Logs (sample data run logs) 455

Method TO15 Low Level - New Jersey Air Canister Receipt Pressure Check 466

Clean Canister Certification Data 467

Pre-Shipment Clean Canister Certification Report 467

Laboratory Control Sample Summary 471

Method Blank Summary and Data Report 487

Instrument Performance Check 515

Internal Standard Area and RT Summary 523

Clean Canister Data 531

Initial Calibration Summary 555

Initial Calibration Verification Sample Standard Summary 587

Continuing Calibration Summary(ies) including Closing CCV 595

Instrument Run Logs (clean canister run logs) 611

ANALYTICAL DATA PACKAGE FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NEW JERSEY 08625

Agency/Division:	NA	**Bureau/Office:**	NA
Project No:	NA	**Contract No.:**	NA
Laboratory Name:	TestAmerica Laboratories	**Laboratory Location:**	South Burlington, Vermont
SDG or Batch No.:	200-9750-1	**NJDEP Certification No.:**	VT972
Date of First Sample Receipt:	03/10/2012	**Date of Last Sample Receipt:**	03/10/2012

Agency Sample Number	Laboratory Sample Number	Sample Location	Date and Time of Collection
AA-DUP-1	200-9750-8	AA-DUP-1	03/07/2012 09:15
AA-DUP-2	200-9750-9	AA-DUP-2	03/07/2012 09:56
BLDG2700 AA-5	200-9750-4	BLDG2700 AA-5	03/07/2012 11:17
BLDG2700 IA-8	200-9750-2	BLDG2700 IA-8	03/07/2012 11:20
BLDG2700 IA-9	200-9750-3	BLDG2700 IA-9	03/07/2012 09:04
BLDG2700 SS-13	200-9750-15	BLDG2700 SS-13	03/08/2012 17:10
BLDG2700 SS-14	200-9750-16	BLDG2700 SS-14	03/08/2012 17:39
BLDG2700 SS-15	200-9750-17	BLDG2700 SS-15	03/08/2012 18:23
BLDG699 SS-6	200-9750-5	BLDG699 SS-6	03/08/2012 11:25
BLDG699 SS-7	200-9750-10	BLDG699 SS-7	03/08/2012 12:32
BLDG700 IA-6	200-9750-1	BLDG700 IA-6	03/07/2012 09:51
BLDG700 SS-10	200-9750-13	BLDG700 SS-10	03/08/2012 15:08
BLDG700 SS-8	200-9750-11	BLDG700 SS-8	03/08/2012 13:46
BLDG700 SS-9	200-9750-12	BLDG700 SS-9	03/08/2012 14:24
IA-DUP-1	200-9750-6	IA-DUP-1	03/07/2012 09:41
IA-DUP-2	200-9750-7	IA-DUP-2	03/07/2012 11:20
SS-DUP-1	200-9750-14	SS-DUP-1	03/08/2012 13:46
SS-DUP-2	200-9750-18	SS-DUP-2	03/08/2012 17:10

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable date submitted on disk or electronically has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager (Typed):	William S. Cicero	**Date:**
Laboratory Manager (Signature):		
Quality Assurance Manager (Typed):	Kirstin Daigle	**Date:**
Quality Assurance Manager (Signature):		

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	FORT MONMOUTH VI INVESTIGATION [60146397]	TO15- Benzene * Project-specific List	**20012** Batch Apr10
Address 30 Community Drive	Point of Contact / Phone No. GEOFFREY CLARK geoffrey.clark@us.bureauveritas.com (devon.chicoine@aecom.com)		
City South Burlington / **State** VT / **Zip** 05403	Site Contact / Phone No. elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information										
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID	TO15- Benzene * Project-specific List	Comment
BLDG 1001			SS-12	3/6/12	15:52	16:22	-30	-4	Air	5293	4149	X	
BLDG 699			IA-4	3/7/12	8:48	8:48	-29	-7	Air	3742	4281	X	
BLDG 699			AA-3	3/7/12	9:17	9:15	-30	-8	Air	5222	3028	X	
BLDG 700			IA-5	3/7/12	9:41	9:41	~~-29~~ -28	-8	Air	3108	2592	X	
BLDG 700			IA-6	3/7/12	9:51	9:51	-30	-6	Air	5226	5096	X	
BLDG 2700			IA-8	3/7/12	11:10	11:20	-28	-2	Air	3064	4094	X	
BLDG 2700			IA-9	3/7/12	11:11	9:04	-30	-2	Air	4986	4321	X	
BLDG 2700			AA-5	3/7/12	11:08	11:17	-30	-4	Air	4761	2585	X	
BLDG 699			SS-6	3/8/12	10:55	11:25	-29	-4	Air	5321	5132	X	
—			IA-DUP-1	3/7/12	9:41	9:41	-30	-10	Air	4522	4129	X	
—			IA-DUP-2	3/7/12	11:10	11:20	-30	-5	Air	3451	3866	X	
—			AA-DUP-1	3/7/12	10:04	9:15	-30	0	Air	3107	3025		** Check pressure
—			AA-DUP-2	3/7/12	9:17	9:56	-30	0	Air	4909	4999		** Check pressure

	Date	Time		Date	Time
1. Relinquished By / Company			1. Received By / Company		
2. Relinquished By / Company [illegible]	3/9/12	16:37	2. Received By / Company Test America	3/9/12	1637
3. Relinquished By / Company Test America	3/9/12	1700	3. Received By / Company Test America Edison	3/9/12	1700
4. Relinquished By / Company Test America Edison	3/8/12	1930	4. Received By / Company UPS		
5. Relinquished By / Company			5. Received By / Company TABUR	3/10/12	0915

Comments * See Drawing. Estimate for all TO-15 compounds (raw results) but report as above.
** Check can pressure and call G. Clark for further instructions.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

03/30/2012

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	[60146397] FORT MONMOUTH VI INVESTIGATION	TO15 — Run 3 core; * Project Specific List	**20012** Batch Apr10
Address 30 Community Drive	Point of Contact / Phone No. GEOFFREY CLARK devon.chicoine@aecom.com geoffrey.clark@us.bureauveritas.com		
City South Burlington / **State** VT / **Zip** 05403	Site Contact / Phone No. ELIZABETH LARSEN elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information										Comment
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID	TO15	*
BLDG 699			SS-7	3/8/12	12:02	12:32	-29	-1	Air	5316	4112		X
BLDG 700			SS-8	3/8/12	13:16	13:46	-30	-4	Air	4976	4911		X
BLDG 700			SS-9	3/8/12	13:54	14:24	-30	-8	Air	4585(?)	2678		X	Last digit illegible to read
BLDG 700			SS-10	3/8/12	14:38	15:08	-22	0	Air	4595	4477		X
			SS-DUP-1	3/8/12	13:16	13:46	-28	-4	Air	4611	3162		X
~~BLDG 1661~~			~~BA 7 R~~	~~3/8/12~~									
BLDG 2700			SS-13	3/8/12	16:40	17:10	<-30	-17	Air	4534	5063		X
BLDG 2700			SS-14	3/8/12	17:09	17:39	<-30	-5	Air	4691	5120		X
BLDG 2700			SS-15	3/8/12	17:51	18:23	<-30	-6	Air	5094	3369		X
			SS-DUP-2	3/8/12	16:40	17:10	-29	-15	Air	4669	5075		X

	Relinquished By / Company	Date	Time	Received By / Company	Date	Time
1.	Geoffrey R Clark / Bureau Veritas North America, Inc.	3/9/12				
2.		3/9/12	16:37	Test America	3/9/12	1637
3.	Test America Edison	3/9/12	1700		3/9/12	1700
4.	Test America Edison	3/9/12	1930	UPS		
5.				TRSVR	3/10/12	0915

Comments * See D. Dawicky. Calibrate for all TO-15 compounds (Low Level), but report as above.

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

Page 6 of 634
03/30/2012

TestAmerica Burlington

INTERNAL CHAIN OF CUSTODY LOG (ICOC)

Project Information:	
Log In #: 200-9750	**Method:** TO15_LL_NJ
Client: BUREAU VERITAS	**LAB IDs:** 200-9750-1 THRU 18

Samples associated with this log-in were placed into storage on 3/12/2012 (Date) 1600 (Time[2]) **by:** *Sample Custodian Signature*

Storage Location: AIR STORAGE *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ☐ Refrigeration ☐ Frozen ☒ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		9750-1 THRU 18	3/12/12	2117	✓					Pressurized
✓		" "	"	2202			✓			SURFACE
✓		"	3/13/12	1550		✓		Pat O.	Pat O.	Analysis
✓		"	3/16/12	1200			✓	Pat O.	Pat O.	storage
✓		"	3/26/12	1530		✓		Pat O.	Pat O.	Analysis
✓		"	3/28/12	0930			✓	Pat O.	Pat O.	Storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

Shipping and Receiving Documents

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

15 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5470 0219

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping policies, call 1-800-742-5877.
United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5363 5122

1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-782-7892.

United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #:- 1Z 083 95E 44 5309 8758

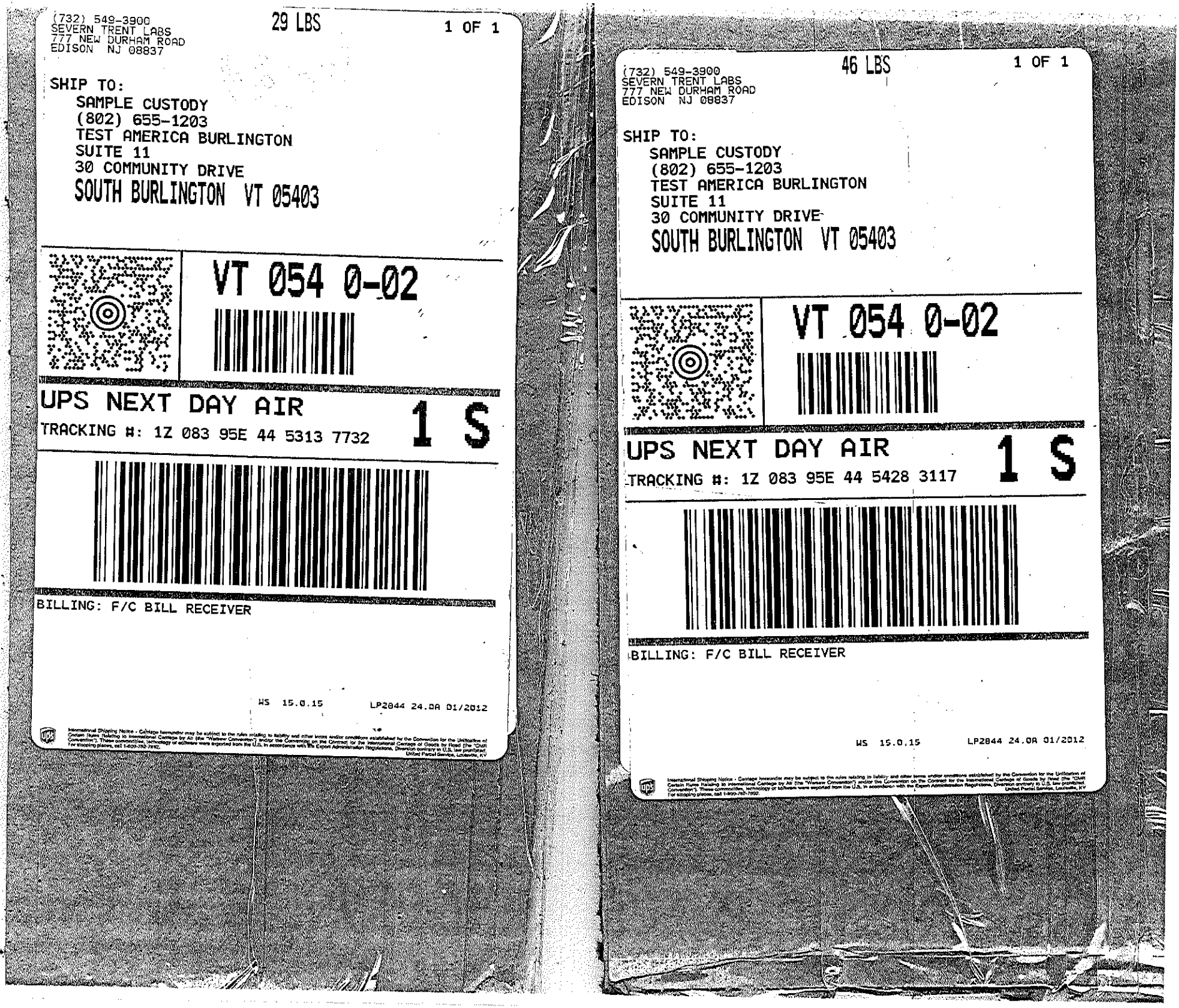
1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-782-7892.

United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

29 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

TRACKING #: 1Z 083 95E 44 5313 7732

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping papers, call 1-800-742-7492.
United Parcel Service, Louisville, KY

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

46 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

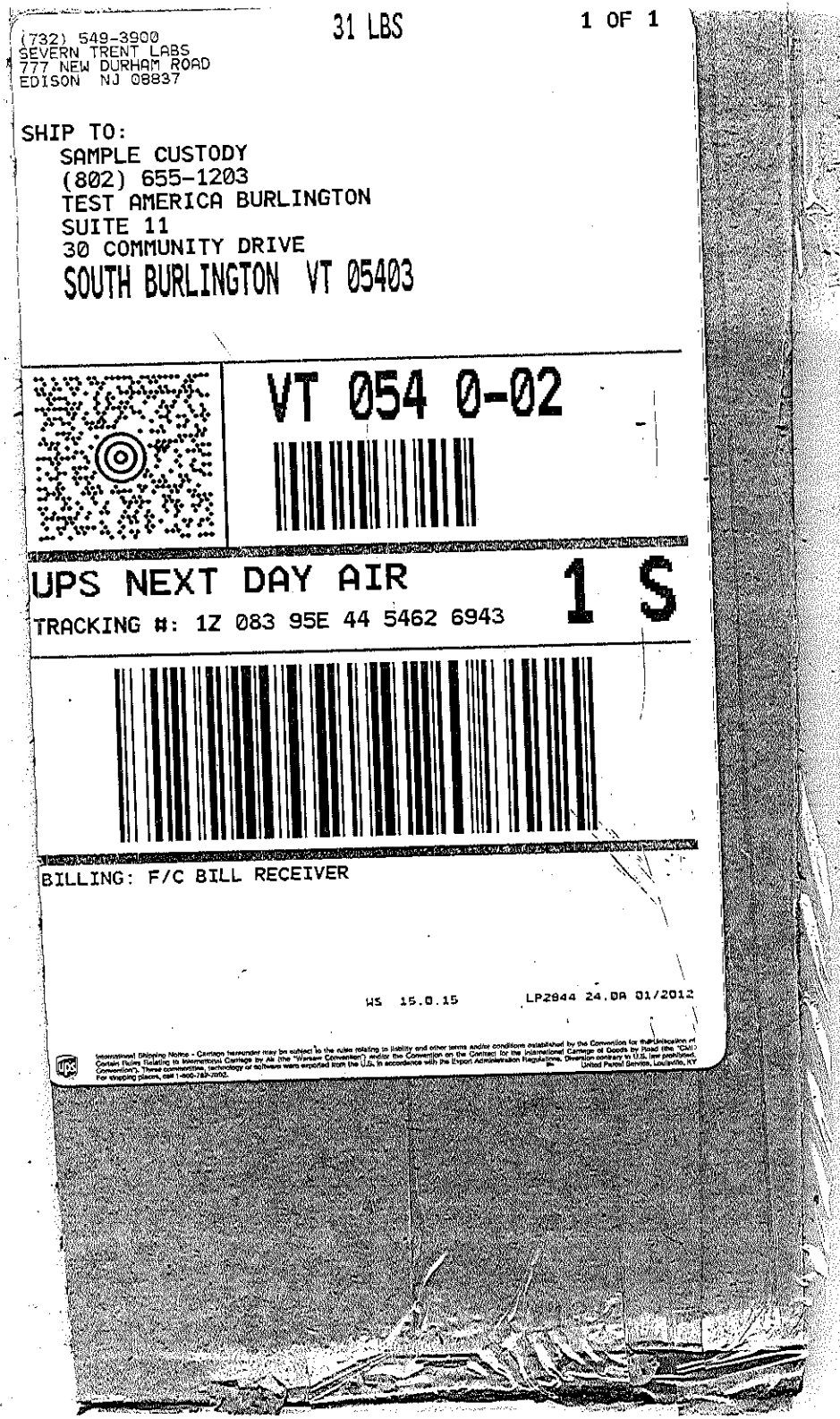
1 S

TRACKING #: 1Z 083 95E 44 5428 3117

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping papers, call 1-800-742-7492.
United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

31 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

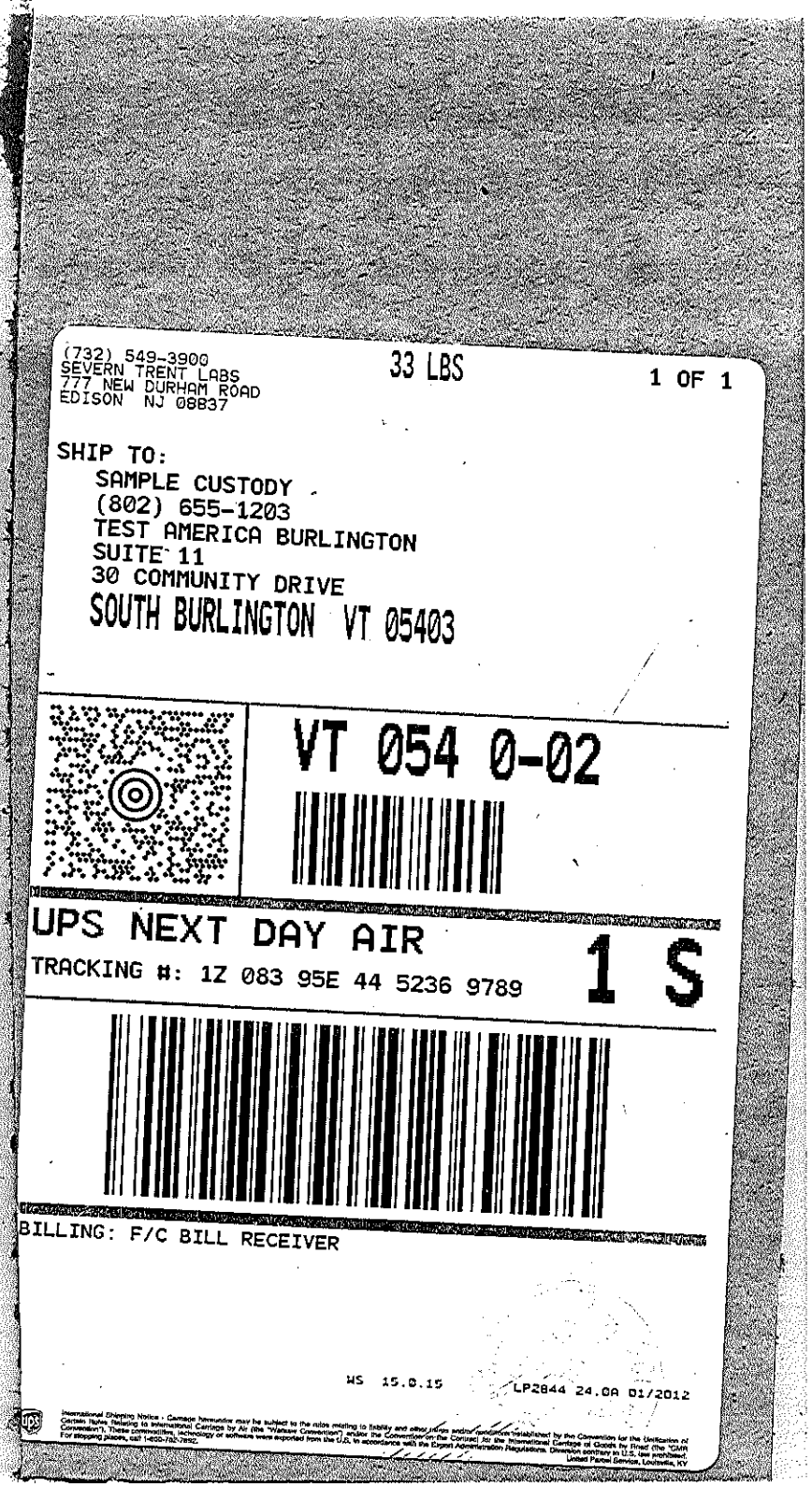
TRACKING #: 1Z 083 95E 44 5462 6943

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-781-3762.

United Parcel Service, Louisville, KY



(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

33 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1 S

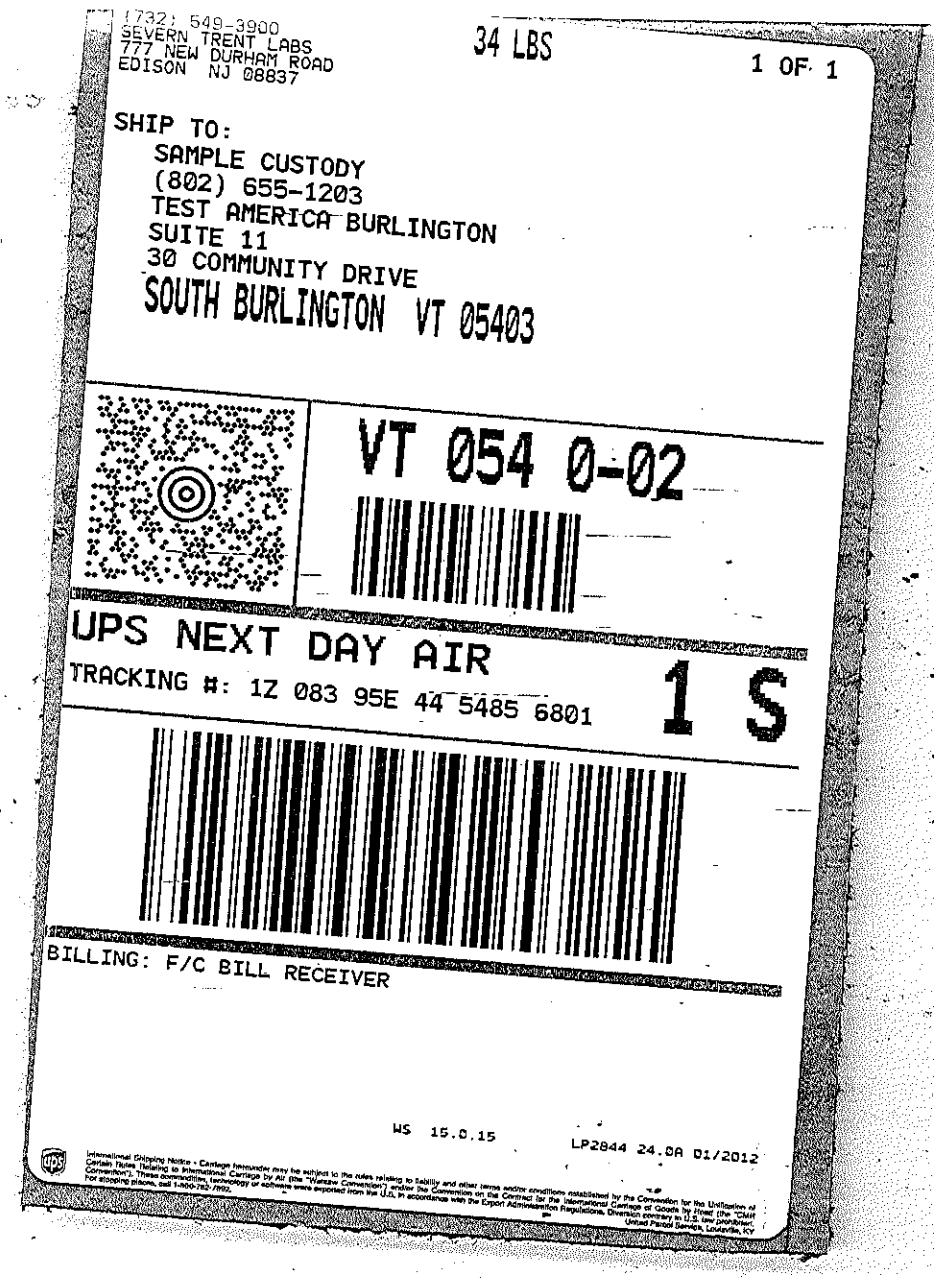
TRACKING #: 1Z 083 95E 44 5236 9789

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

International Shipping Notice - Carriage hereunder may be subject to the rules relating to liability and other terms and/or conditions established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air (the "Warsaw Convention") and/or the Convention on the Contract for the International Carriage of Goods by Road (the "CMR Convention"). These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited. For shipping places, call 1-800-781-3762.

United Parcel Service, Louisville, KY


(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837
34 LBS
1 OF 1
SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403
VT 054 0-02
UPS NEXT DAY AIR
TRACKING #: 1Z 083 95E 44 5485 6801
1 S
BILLING: F/C BILL RECEIVER
WS 15.0.15
LP2844 24.0A 01/2012

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837
33 LBS
1 OF 1
SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403
VT 054 0-02
UPS NEXT DAY AIR
TRACKING #: 1Z 083 95E 44 5293 1992
1 S
BILLING: F/C BILL RECEIVER
WS 15.0.15
LP2844 24.0A 01/2012

Login Sample Receipt Checklist

Client: Bureau Veritas North America, Inc.

Job Number: 200-9750-1
SDG Number: 200-9750-1

Login Number: 9750
List Source: TestAmerica Burlington
List Number: 1
Creator: Kirchner, Benjamin

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
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.	N/A	NO SAMPLE INFO ON LABELS
Samples are received within Holding Time.	True	
Sample containers have legible labels.	False	NO SAMPLE INFO ON LABELS
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00056	04/03/12	01/18/12	DI WATER, Lot 3510	15.463 L	ATTO15CAL6w_00045	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloroethene, cis-	0.20044 ppb v/v
							1,2-Dichloroethene, trans-	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2-Butanone (MEK)	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methyl-2-propanol	0.20044 ppb v/v
							3-Chloro-1-propene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Butadiene	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodibromomethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dichlorobromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Ethylene Dibromide	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Hexane	0.20044 ppb v/v
							Isooctane	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m-Xylene & p-Xylene	0.400879 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							o-Xylene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Vinyl bromide	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL1w_00066	05/29/12	03/12/12	DI WATER, Lot 5015	15.463 L	ATTO15CAL6w_00047	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloroethene, cis-	0.20044 ppb v/v
							1,2-Dichloroethene, trans-	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, trans-	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00052	04/03/12	01/18/12	DI WATER, Lot 3382	15.463 L	ATTO15CAL6w_00045	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloroethene, cis-	0.500453 ppb v/v
							1,2-Dichloroethene, trans-	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methyl-2-propanol	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Ethylene Dibromide	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	0.500453 ppb v/v
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00054	04/03/12	01/18/12	DI WATER, Lot 2603	15.463 L	ATTO15CAL6w_00045	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloroethene, cis-	0.500453 ppb v/v
							1,2-Dichloroethene, trans-	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Ethylene Dibromide	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00056	05/29/12	03/12/12	DI WATER, Lot 4837	15.463 L	ATTO15CAL6w_00047	387 mL	Chloroethane	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	Chloroethane	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
ATTO15CAL3w_00064	04/03/12	01/10/12	DI WATER, Lot 3093	15.463 L	ATTO15CALSTKi_00029	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloroethene, cis-	4.99256 ppb v/v
							1,2-Dichloroethene, trans-	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2-Butanone (MEK)	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methyl-2-propanol	4.99256 ppb v/v
							3-Chloro-1-propene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (MIBK)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Butadiene	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodibromomethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dichlorobromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	4.99256 ppb v/v
							Ethylene Dibromide	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Hexane	4.99256 ppb v/v
							Isooctane	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m-Xylene & p-Xylene	9.98513 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Vinyl bromide	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00175	04/03/12	01/10/12	DI WATER, Lot 3543	15.463 L	ATTO15CALSTKi_00029	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodibromomethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Hexane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00181	04/03/12	02/16/12	DI WATER, Lot 3482	15.463 L	ATTO15CALSTKi_00029	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodibromomethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00188	05/29/12	03/10/12	DI WATER, Lot 3040	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00189	05/29/12	03/10/12	DI WATER, Lot 2680	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL5w_00022	04/03/12	01/17/12	DI WATER, Lot 3643	15.463 L	ATTO15CALSTKi_00029	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloroethene, cis-	15.0036 ppb v/v
							1,2-Dichloroethene, trans-	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2-Butanone (MEK)	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methyl-2-propanol	15.0036 ppb v/v
							3-Chloro-1-propene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (MIBK)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodibromomethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dichlorobromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Ethylene Dibromide	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Hexane	15.0036 ppb v/v
							Isooctane	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m-Xylene & p-Xylene	30.0071 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Vinyl bromide	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL6w_00045	04/03/12	01/17/12	DI WATER, Lot 3551	15.463 L	ATTO15CALSTKi_00029	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL7w_00023	04/03/12	01/10/12	DI WATER, Lot 3631	15.463 L	ATTO15CALSTKi_00029	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloroethene, cis-	39.9922 ppb v/v
							1,2-Dichloroethene, trans-	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2-Butanone (MEK)	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methyl-2-propanol	39.9922 ppb v/v
							3-Chloro-1-propene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (MIBK)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Butadiene	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodibromomethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dichlorobromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Ethylene Dibromide	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Hexane	39.9922 ppb v/v
							Isooctane	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m-Xylene & p-Xylene	79.9845 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Vinyl bromide	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
.ATTO15CALSTKi_00029	04/05/12	01/05/12	DI WATER, Lot 1020	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CISs_00005	11/15/15		Spectra, Lot CC-250115		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15GIS_00007	11/15/15		Spectra Gases, Lot CC-344439		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00171	03/13/12	02/15/12	DI WATER, Lot 3640	15.463 L	ATTO15LCSSTKi_00026	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00026	04/05/12	01/05/12	DI WATER, Lot 1014	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15LCSs_00010	12/07/12	Spectra Gases, Lot CC-230119			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15LCSW_00172	03/13/12	02/15/12	DI WATER, Lot 2960	15.463 L	ATTO15LCSSTKi_00026	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00026	04/05/12	01/05/12	DI WATER, Lot 1014	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15LCSs_00010	12/07/12	Spectra Gases, Lot CC-230119			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

AT 02 008 13

Recert AT-02-010-13 exp 12/10/08

CERTIFICATE OF ANALYSIS

Instrument V

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250115
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84578
ID: ATTO15CISs_00004
Exp 11/15/11 Prpd WRD Open 12/01/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

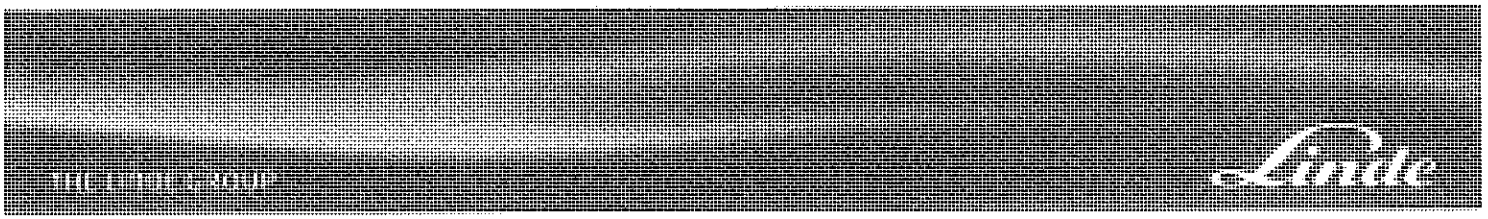
PAGE: 1 of 4

87019
ID: ATTO15CALs_00005
Exp 11/30/11 Prpd WRD Opnd 12/08/10
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.06 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.98 ppm
Chloromethane	74-87-3	1.00 ppm	0.97 ppm
Freon-114	76-14-2	1.00 ppm	0.96 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.97 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.97 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.03 ppm
Bromomethane	74-83-9	1.00 ppm	1.00 ppm
Chloroethane	75-00-3	1.00 ppm	0.97 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.01 ppm
Acetonitrile (Analytical Accuracy +/- 10%)	75-05-8	1.00 ppm	1.03 ppm
Acrolein (Analytical Accuracy +/- 10%)	107-02-8	1.00 ppm	1.10 ppm
Isopentane	78-78-4	1.00 ppm	1.04 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.04 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.92 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.96 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.01 ppm
Tert Butanol	75-65-0	1.00 ppm	1.01 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.01 ppm
Freon-113	76-13-1	1.00 ppm	0.96 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.02 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

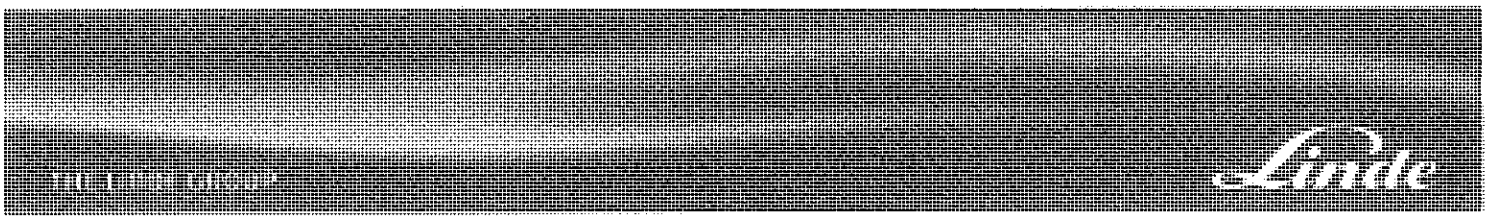


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.00 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.05 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.00 ppm
Hexane	110-54-3	1.00 ppm	1.07 ppm
Chloroform	67-66-3	1.00 ppm	1.02 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.02 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.05 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.00 ppm
Benzene	71-43-2	1.00 ppm	1.02 ppm
1-Butanol	71-36-3	1.00 ppm	0.98 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.01 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.00 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.04 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.01 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.08 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.06 ppm
Toluene	108-88-3	1.00 ppm	1.05 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.06 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.07 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.04 ppm
n-Octane	111-65-9	1.00 ppm	1.02 ppm

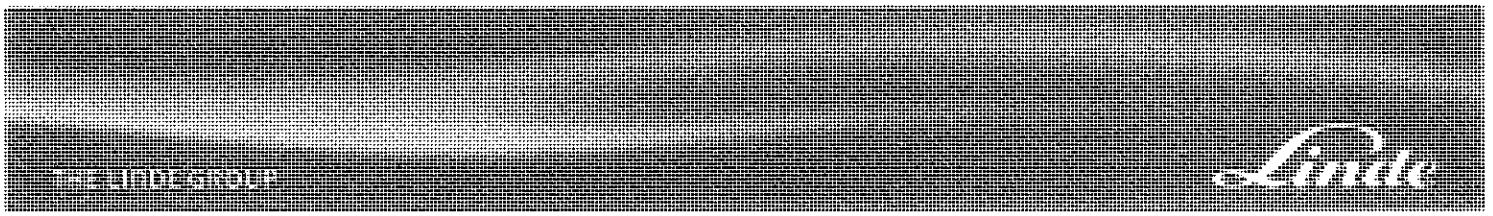


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.01 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.06 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.04 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.05 ppm
o-xylene	95-47-6	1.00 ppm	1.06 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.06 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.03 ppm
Nonane	111-84-2	1.00 ppm	1.01 ppm
Cumene	98-82-8	1.00 ppm	1.00 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.05 ppm
n-Propylbenzene	103-65-1	1.00 ppm	0.98 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.04 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (Analytical Accuracy +/- 10%)	98-83-9	1.00 ppm	1.05 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.05 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.05 ppm
n-Decane	124-18-5	1.00 ppm	1.04 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.04 ppm
sec-Butylbenzene	135-98-8	1.00 ppm	1.01 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.03 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.06 ppm
n-Butylbenzene	104-51-8	1.00 ppm	1.03 ppm
n-Undecane	1120-21-4	1.00 ppm	1.01 ppm



SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.07 ppm
n-Dodecane	112-40-3	1.00 ppm	1.00 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.00 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.07 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti **DATE:** 11/30/2010

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

G

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403 USA

ATO2-011-18

CERTIFICATE OF ANALYSIS

SGI ORDER # :	140016		
ITEM# :	1	**CYLINDER # :**	CC-279057
CERTIFICATION DATE:	12/11/2008	**CYLINDER PRES:**	2000 psig
P.O.# :	2282386	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/11/2009

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	107 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84582
ID: ATTO15GIS_00005
Exp: 11/15/11 Pipd: WRD Open: 12/01/10
Instrument G Internal Sta

SOURCE REFERENCE # 260788

ANALYST: Matthew Booth

DATE: 12/11/2008

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Instrument E

Recert 4/24/07

AT02-010-10

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

CERTIFICATE OF ANALYSIS

AT02008 12

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250117
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	104 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84581
ID: ATTO15EISs_00004
Exp 11/15/11 Prpd WRD Open 12/08/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

15671
ID: atto15viss_00002
Exp: 12/7/2010 Prpd: WRD
Instrument B Internal Sta

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403

installed on Inst B 1/7/2010

CERTIFICATE OF ANALYSIS

SGI ORDER # :	155786		
ITEM# :	1	**CYLINDER # :**	CC-318016
CERTIFICATION DATE:	12/07/2009	**CYLINDER PRES:**	2000 psig
P.O.# :	2336911	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/07/2010

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	106 ppb
1,4-Difluorobenzene	100 ppb	104 ppb
Chlorobenzene-d5	100 ppb	103 ppb
4-Bromofluorobenzene	100 ppb	102 ppb
Nitrogen	Balance	Balance

84580
ID: ATTO15VISs_00004
Exp: 11/15/11 Prpd: WRD Open: 12/01/10
Instrument B Internal Sta

SOURCE REFERENCE #: 265214

ANALYST: Matthew Booth

DATE: 12/07/2009

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT~~06~~= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

Recert AT020/009 exp 12/14/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/9/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Recert AT02-010-05 1/10/08 → 1/14/09

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

LCS

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Recert AT-02-012-06 EXP 1/6/10 MTP 3/20/09

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

PAGE: 1 of 4

#242666 ~~246~~

AT0200614 Lot

1/9/06 DWN

CERTIFICATE OF ANALYSIS

Recertat 1/12/07

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

90493

ID: ATTO15LCSs_00008

Exp: 11/30/11 Prpd WRD Open 12/14/10

TO15 Second Source Tank

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 12/29/2005

THE LINDE GROUP

SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 4

260478
ID: ATTO15CALs_00008
Exp. 12/07/12 Prpd: WRD Open: 12/07/11
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.00 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.96 ppm
Chloromethane	74-87-3	1.00 ppm	0.98 ppm
Freon-114	76-14-2	1.00 ppm	0.97 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.98 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.00 ppm
Methanol (no stability guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.05 ppm
Bromomethane	74-83-9	1.00 ppm	1.01 ppm
Chloroethane	75-00-3	1.00 ppm	0.98 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.06 ppm
Acetonitrile (Analytical Accuracy +/-10%)	75-05-8	1.00 ppm	0.99 ppm
Acrolein (Analytical Accuracy +/-10%)	107-02-8	1.00 ppm	1.09 ppm
Isopentane	78-78-4	1.00 ppm	1.06 ppm
Acetone	67-64-1	1.00 ppm	1.06 ppm
Freon-11	75-69-4	1.00 ppm	0.98 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.99 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.98 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.03 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	0.97 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.04 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.02 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax

THE LINDE GROUP

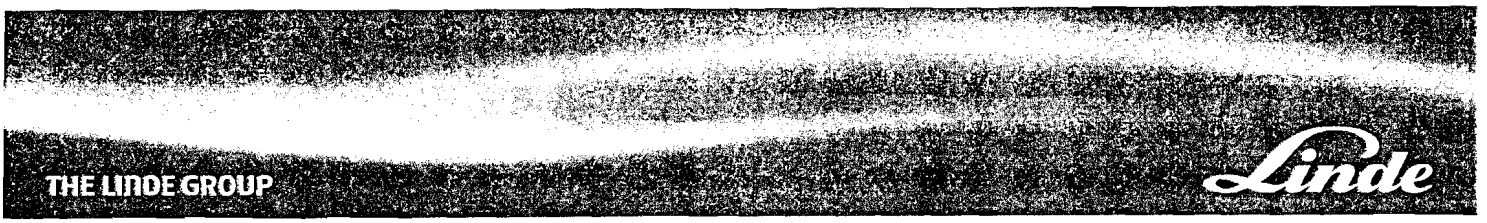
SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.03 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.08 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.02 ppm
Hexane	110-54-3	1.00 ppm	1.09 ppm
Chloroform	67-66-3	1.00 ppm	1.03 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.03 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.08 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.03 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.02 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol	71-36-3	1.00 ppm	1.02 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.05 ppm
Cyclohexane	110-82-7	1.00 ppm	1.06 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.04 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.04 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.02 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.06 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.11 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.07 ppm
Toluene	108-88-3	1.00 ppm	1.07 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.10 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.08 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm
n-Octane	111-65-9	1.00 ppm	1.05 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax



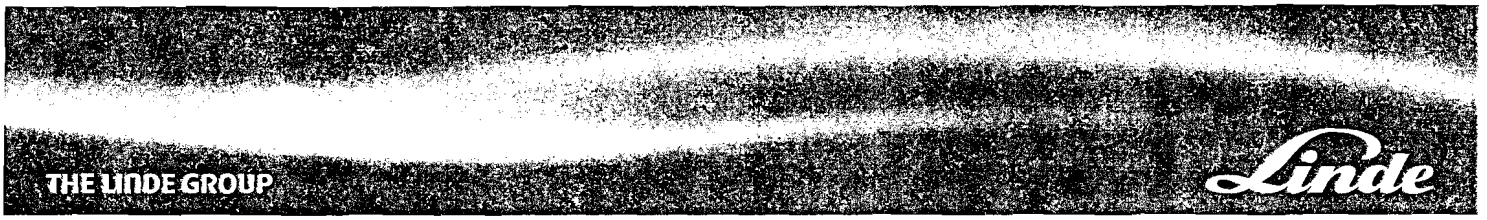
SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.00 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.08 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.06 ppm
p-xylene	106-42-3	1.00 ppm	1.04 ppm
m-xylene	108-38-3	1.00 ppm	1.04 ppm
Bromoform	75-25-2	1.00 ppm	1.04 ppm
Styrene	100-42-5	1.00 ppm	1.07 ppm
o-xylene	95-47-6	1.00 ppm	1.08 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.08 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.03 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.08 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.00 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.07 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.07 ppm
alpha-Methyl Styrene (no stability guarantee)	98-83-9	1.00 ppm	1.03 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.05 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.05 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.08 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.08 ppm
n-Decane	124-18-5	1.00 ppm	1.05 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.05 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.02 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.10 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.04 ppm
n-Undecane	1120-21-4	1.00 ppm	0.99 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com



SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.08 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.03 ppm
n-Dodecane	112-40-3	1.00 ppm	0.96 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.08 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Matthew Booth

DATE: Dec-07-2011

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

PAGE: 1 of 4

#24266

AT0200614 Lot ~~240~~

CERTIFICATE OF ANALYSIS

1/9/06 DMW

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

Recertified 1/12/09

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prpd WRD Open 12/14/10
TO15 Second Source Tank

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

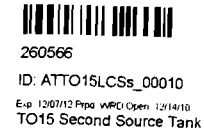
ANALYST: April Chamberlain

DATE: 12/29/2005

TestAmerica Burlington

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: BTVLCS
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: allTO15.sub
Method File: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m
Misc Info: 200,1,



Client SDG: bkiswrd
Fraction: VOA
Client Smp ID: BTVLCS
Operator: wrd
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
1	Propene	40	41	102.72	70-130
2	Dichlorodifluorome	40	41	102.17	70-130
3	Chlorodifluorometh	40	41	103.31	70-130
4	1,2-Dichloro-1,1,2	40	41	102.51	70-130
5	Chloromethane	40	41	103.13	70-130
6	Butane	40	40	101.01	70-130
7	Vinyl chloride	40	41	103.17	70-130
8	1,3-Butadiene	40	42	105.66	70-130
9	Bromomethane	40	40	99.02	70-130
10	Chloroethane	40	40	100.91	70-130
11	2-Methylbutane	40	40	101.23	70-130
12	Vinyl bromide	40	41	102.72	70-130
13	Trichlorofluoromet	40	41	102.04	70-130
14	Pentane	40	40	99.45	70-130
15	Ethanol	60	0.0	*	70-130
16	Ethyl ether	40	39	97.23	70-130
17	1,1,2-Trichloro-1,	40	44	109.03	70-130
18	Acrolein	40	41	102.04	70-130
19	1,1-Dichloroethene	40	45	111.60	70-130
20	Acetone	40	40	99.00	70-130
21	Carbon disulfide	40	41	103.28	70-130
22	Isopropanol	40	46	115.82	70-130
23	Allyl chloride	40	42	104.41	70-130
24	Acetonitrile	40	41	101.75	70-130
25	Methylene chloride	40	43	108.02	70-130
26	Tert-butyl alcohol	40	44	108.86	70-130
27	Methyl tert-butyl	40	41	103.42	70-130
28	1,2-Dichloroethene	40	40	101.10	70-130
29	Acrylonitrile	40	42	105.27	70-130
30	n-Hexane	40	41	102.18	70-130
31	1,1-Dichloroethane	40	41	102.41	70-130
32	Vinyl acetate	40	42	105.40	70-130
M 33	1,2-Dichloroethene	80	82	102.50	70-130

	SPIKE	COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
	34	1,2-Dichloroethene	40	42	104.24	70-130
	35	Ethyl acetate	40	41	102.92	70-130
	36	Methyl Ethyl Keton	40	42	104.40	70-130
	38	Tetrahydrofuran	40	42	104.05	70-130
	39	Chloroform	40	41	102.35	70-130
	40	Cyclohexane	40	40	101.21	70-130
	41	1,1,1-Trichloroeth	40	40	100.92	70-130
	42	Carbon tetrachlori	40	40	100.02	70-130
	43	2,2,4-Trimethylpen	40	40	101.17	70-130
	44	Benzene	40	40	100.74	70-130
	45	1,2-Dichloroethane	40	41	102.01	70-130
	46	n-Heptane	40	41	101.41	70-130
	48	n-Butanol	40	47	117.21	70-130
	49	Trichloroethene	40	40	100.08	70-130
	50	1,2-Dichloropropan	40	40	99.31	70-130
	51	Methyl methacrylat	40	41	102.05	70-130
	52	Dibromomethane	40	40	100.03	70-130
	53	1,4-Dioxane	40	44	111.22	70-130
	54	Bromodichlorometha	40	41	103.52	70-130
	55	1,3-Dichloropropen	40	40	99.65	70-130
	56	Methyl isobutyl ke	40	42	104.94	70-130
	57	n-Octane	40	40	100.98	70-130
	58	Toluene	40	40	99.91	70-130
	59	1,3-Dichloropropen	40	40	100.59	70-130
	60	1,1,2-Trichloroeth	40	39	97.32	70-130
	61	Tetrachloroethene	40	39	98.45	70-130
	62	2-Hexanone	40	43	107.26	70-130
	63	Dibromochlorometha	40	41	103.60	70-130
	64	1,2-Dibromoethane	40	40	99.07	70-130
	66	Chlorobenzene	40	40	98.99	70-130
	67	n-Nonane	40	41	101.30	70-130
	68	Ethylbenzene	40	40	100.73	70-130
	69	Xylene (m,p)	80	79	99.35	70-130
M	70	Xylenes, Total	120	120	99.13	70-130
	71	Xylene (o)	40	39	98.68	70-130
	72	Styrene	40	40	100.22	70-130
	73	Bromoform	40	41	102.39	70-130
	74	Isopropylbenzene	40	41	101.83	70-130
	75	1,1,2,2-Tetrachlor	40	40	98.91	70-130
	76	n-Propylbenzene	40	41	101.62	70-130
	77	1,2,3-Trichloropro	40	41	101.92	70-130
	78	n-Decane	40	41	101.87	70-130
	79	4-Ethyltoluene	40	41	102.53	70-130
	80	2-Chlorotoluene	40	41	102.49	70-130
	81	1,3,5-Trimethylben	40	40	100.65	70-130
	82	Alpha Methyl Styre	40	41	101.84	70-130
	83	tert-butylbenzene	40	41	102.53	70-130

SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
84 1,2,4-Trimethylben	40	40	99.57	70-130
85 sec-Butylbenzene	40	41	102.21	70-130
86 4-Isopropyltoluene	40	41	102.84	70-130
87 1,3-Dichlorobenzen	40	40	99.21	70-130
88 1,4-Dichlorobenzen	40	40	98.94	70-130
89 Benzyl chloride	40	48	120.94	70-130
90 Undecane	40	41	103.26	70-130
91 n-Butylbenzene	40	41	102.58	70-130
92 1,2-Dichlorobenzen	40	39	97.14	70-130
93 Dodecane	40	37	93.36	70-130
94 1,2,4-Trichloroben	40	37	93.22	70-130
95 1,3-Hexachlorobuta	40	37	92.09	70-130
96 Naphthalene	40	40	100.83	70-130
97 1,2,3-Trichloroben	40	37	91.31	70-130

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prod WFD: Open 12/14/19
TO15 Second Source Tank

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i
Lab File ID: bkis008.d
Analysis Type: AIR
Lab Sample ID: BTVLCS
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

Injection Date: 02-DEC-2011 21:22
Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Init. Cal. Times: 19:38 19:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Propene	0.15634	0.16060	0.010	-2.72293	30.00000	Averaged	
2 Dichlorodifluoromethane	1.24541	1.27240	0.010	-2.16761	30.00000	Averaged	
3 Chlorodifluoromethane	0.43806	0.45256	0.010	-3.31017	30.00000	Averaged	
4 1,2-Dichloro-1,1,2,2-tetraf	1.21378	1.24424	0.010	-2.50957	30.00000	Averaged	
5 Chloromethane	0.23145	0.23869	0.010	-3.12837	30.00000	Averaged	
6 Butane	0.35340	0.35697	0.010	-1.00886	30.00000	Averaged	
7 Vinyl chloride	0.35162	0.36278	0.010	-3.17267	30.00000	Averaged	
8 1,3-Butadiene	0.24282	0.25657	0.010	-5.66400	30.00000	Averaged	
9 Bromomethane	0.70776	0.70079	0.010	0.98427	30.00000	Averaged	
10 Chloroethane	0.31944	0.32236	0.010	-0.91347	30.00000	Averaged	
11 2-Methylbutane	0.48032	0.48622	0.010	-1.22950	30.00000	Averaged	
12 Vinyl bromide	0.99445	1.02154	0.010	-2.72375	30.00000	Averaged	
13 Trichlorofluoromethane	2.14025	2.18389	0.010	-2.03938	30.00000	Averaged	
14 Pentane	0.82843	0.82388	0.010	0.54979	30.00000	Averaged	
15 Ethanol	++++	++++	0.010	++++	30.00000	Averaged	<-
16 Ethyl ether	0.56587	0.55022	0.010	2.76663	30.00000	Averaged	
17 1,1,2-Trichloro-1,2,2-trifl	1.92906	2.10322	0.010	-9.02824	30.00000	Averaged	
18 Acrolein	0.24599	0.25100	0.010	-2.03646	30.00000	Averaged	
19 1,1-Dichloroethene	1.00107	1.11716	0.010	-11.59701	30.00000	Averaged	
20 Acetone	0.78277	0.77496	0.010	0.99721	30.00000	Averaged	
21 Carbon disulfide	2.67833	2.76612	0.010	-3.27813	30.00000	Averaged	
22 Isopropanol	0.59757	0.69209	0.010	-15.81882	30.00000	Averaged	
23 Allyl chloride	0.65415	0.68298	0.010	-4.40805	30.00000	Averaged	
24 Acetonitrile	0.41133	0.41854	0.010	-1.75302	30.00000	Averaged	
25 Methylene chloride	0.64397	0.69561	0.010	-8.01919	30.00000	Averaged	
26 Tert-butyl alcohol	1.17483	1.27887	0.010	-8.85576	30.00000	Averaged	
27 Methyl tert-butyl ether	2.31031	2.38924	0.010	-3.41618	30.00000	Averaged	
28 1,2-Dichloroethene (trans)	1.01084	1.02195	0.010	-1.09869	30.00000	Averaged	
29 Acrylonitrile	0.51530	0.54248	0.010	-5.27328	30.00000	Averaged	
30 n-Hexane	1.12739	1.15199	0.010	-2.18186	30.00000	Averaged	
31 1,1-Dichloroethane	1.34445	1.37681	0.100	-2.40712	30.00000	Averaged	
32 Vinyl acetate	1.30721	1.37785	0.010	-5.40388	30.00000	Averaged	
M 33 1,2-Dichloroethene,Total	1.04484	1.07329	0.010	-2.72246	30.00000	Averaged	
34 1,2-Dichloroethene (cis)	1.07884	1.12463	0.010	-4.24388	30.00000	Averaged	
35 Ethyl acetate	0.09234	0.09504	0.010	-2.91728	30.00000	Averaged	
36 Methyl Ethyl Ketone	0.40541	0.42323	0.010	-4.39747	30.00000	Averaged	

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 Tetrahydrofuran	0.12400	0.12903	0.010	-4.04957	30.00000	Averaged
39 Chloroform	1.80634	1.84873	0.010	-2.34647	30.00000	Averaged
40 Cyclohexane	0.27639	0.27972	0.010	-1.20583	30.00000	Averaged
41 1,1,1-Trichloroethane	0.40237	0.40609	0.010	-0.92487	30.00000	Averaged
42 Carbon tetrachloride	0.45533	0.45542	0.010	-0.02151	30.00000	Averaged
43 2,2,4-Trimethylpentane	0.67714	0.68508	0.010	-1.17280	30.00000	Averaged
44 Benzene	0.58038	0.58465	0.010	-0.73599	30.00000	Averaged
45 1,2-Dichloroethane	0.19911	0.20312	0.010	-2.01242	30.00000	Averaged
46 n-Heptane	0.19918	0.20199	0.010	-1.41020	30.00000	Averaged
48 n-Butanol	0.07641	0.08955	0.010	-17.20570	30.00000	Averaged
49 Trichloroethene	0.29051	0.29074	0.010	-0.07599	30.00000	Averaged
50 1,2-Dichloropropane	0.19100	0.18968	0.010	0.69072	30.00000	Averaged
51 Methyl methacrylate	0.20786	0.21212	0.010	-2.05037	30.00000	Averaged
52 Dibromomethane	0.31474	0.31484	0.010	-0.03287	30.00000	Averaged
53 1,4-Dioxane	0.08495	0.09447	0.010	-11.21585	30.00000	Averaged
54 Bromodichloromethane	0.42143	0.43625	0.010	-3.51619	30.00000	Averaged
55 1,3-Dichloropropene (cis)	0.33819	0.33700	0.010	0.35098	30.00000	Averaged
56 Methyl isobutyl ketone	0.25293	0.26544	0.010	-4.94494	30.00000	Averaged
57 n-Octane	0.20627	0.20829	0.010	-0.97972	30.00000	Averaged
58 Toluene	0.46235	0.46192	0.010	0.09315	30.00000	Averaged
59 1,3-Dichloropropene (trans)	0.33831	0.34031	0.010	-0.59101	30.00000	Averaged
60 1,1,2-Trichloroethane	0.24617	0.23957	0.010	2.67925	30.00000	Averaged
61 Tetrachloroethene	0.52336	0.51523	0.010	1.55370	30.00000	Averaged
62 2-Hexanone	0.27112	0.29081	0.010	-7.26312	30.00000	Averaged
63 Dibromochloromethane	0.57154	0.59209	0.010	-3.59580	30.00000	Averaged
64 1,2-Dibromoethane	0.52434	0.51944	0.010	0.93344	30.00000	Averaged
66 Chlorobenzene	0.79218	0.78414	0.300	1.01480	30.00000	Averaged
67 n-Nonane	0.31517	0.31927	0.010	-1.29799	30.00000	Averaged
68 Ethylbenzene	1.06790	1.07570	0.010	-0.73001	30.00000	Averaged
69 Xylene (m,p)	0.40436	0.40172	0.010	0.65153	30.00000	Averaged
M 70 Xylenes, Total	1.25462	1.24348	0.010	0.88797	30.00000	Averaged
71 Xylene (o)	0.44590	0.44003	0.010	1.31680	30.00000	Averaged
72 Styrene	0.70237	0.70393	0.010	-0.22171	30.00000	Averaged
73 Bromoform	0.54585	0.55889	0.010	-2.38917	30.00000	Averaged
74 Isopropylbenzene	1.24994	1.27286	0.010	-1.83358	30.00000	Averaged

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
75 1,1,2,2-Tetrachloroethane	0.56511	0.55897	0.010	1.08641	30.00000	Averaged
76 n-Propylbenzene	1.14718	1.16574	0.010	-1.61772	30.00000	Averaged
77 1,2,3-Trichloropropane	0.33232	0.33870	0.010	-1.92019	30.00000	Averaged
78 n-Decane	0.34483	0.35127	0.010	-1.86815	30.00000	Averaged
79 4-Ethyltoluene	1.14490	1.17386	0.010	-2.52882	30.00000	Averaged
80 2-Chlorotoluene	0.99901	1.02391	0.010	-2.49188	30.00000	Averaged
81 1,3,5-Trimethylbenzene	1.01834	1.02495	0.010	-0.64916	30.00000	Averaged
82 Alpha Methyl Styrene	0.61340	0.62468	0.010	-1.83919	30.00000	Averaged
83 tert-butylbenzene	1.00745	1.03291	0.010	-2.52687	30.00000	Averaged
84 1,2,4-Trimethylbenzene	1.00990	1.00553	0.010	0.43270	30.00000	Averaged
85 sec-Butylbenzene	1.41605	1.44730	0.010	-2.20647	30.00000	Averaged
86 4-Isopropyltoluene	1.24407	1.27938	0.010	-2.83808	30.00000	Averaged
87 1,3-Dichlorobenzene	0.82411	0.81764	0.010	0.78604	30.00000	Averaged
88 1,4-Dichlorobenzene	0.83260	0.82374	0.010	1.06443	30.00000	Averaged
89 Benzyl chloride	0.82450	0.99713	0.010	-20.93732	30.00000	Averaged
90 Undecane	0.29725	0.30693	0.010	-3.25804	30.00000	Averaged
91 n-Butylbenzene	0.80815	0.82904	0.010	-2.58486	30.00000	Averaged
92 1,2-Dichlorobenzene	0.80394	0.78094	0.010	2.86051	30.00000	Averaged
93 Dodecane	0.30550	0.28521	0.010	6.64042	30.00000	Averaged
94 1,2,4-Trichlorobenzene	0.63609	0.59297	0.010	6.77768	30.00000	Averaged
95 1,3-Hexachlorobutadiene	0.39526	0.36398	0.010	7.91427	30.00000	Averaged
96 Naphthalene	1.37515	1.38659	0.010	-0.83171	30.00000	Averaged
97 1,2,3-Trichlorobenzene	0.52513	0.47949	0.010	8.69156	30.00000	Averaged

METHODOLOGY SUMMARY

Laboratory:	TestAmerica Laboratories	Project No:	NA
Location:	South Burlington, Vermont	SDG No:	200-9750-1

VOA

Volatile Organics - NJDEP-LLTO-15

CASE NARRATIVE

Client: Bureau Veritas North America, Inc.

Project: Fort Monmouth

Report Number: 200-9750-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 03/10/2012; the samples arrived in good condition.

Upon receipt, a post-sampling pressure check was performed that identified sample BLDG2700 IA-9 under positive pressure. The associated flow controller was tested upon receipt and found acceptable. The laboratory proceeded with the analysis of the sample per client request.

VOLATILE ORGANIC COMPOUNDS

Samples BLDG700 IA-6, BLDG2700 IA-8, BLDG2700 IA-9, BLDG2700 AA-5, BLDG699 SS-6, IA-DUP-1, IA-DUP-2, AA-DUP-1, AA-DUP-2, BLDG699 SS-7, BLDG700 SS-8, BLDG700 SS-9, BLDG700 SS-10, SS-DUP-1, BLDG2700 SS-13, BLDG2700 SS-14, BLDG2700 SS-15 and SS-DUP-2 were analyzed for Volatile Organic Compounds in accordance with NJDEP-LLTO-15. The samples were analyzed on 03/13/2012, 03/21/2012 and 03/27/2012.

No difficulties were encountered during the VOCs analyses.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/5 Client Sample ID:

Date Analyzed: 02/24/12 11:42 Lab File ID: ckq005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:37

Lab Sample ID: IC 200-34198/6 Client Sample ID:

Date Analyzed: 02/24/12 12:32 Lab File ID: ckq006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: ICIS 200-34198/7 Client Sample ID:

Date Analyzed: 02/24/12 13:22 Lab File ID: ckq007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: IC 200-34198/8 Client Sample ID:

Date Analyzed: 02/24/12 14:13 Lab File ID: ckq008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:39

Lab Sample ID: IC 200-34198/9 Client Sample ID:

Date Analyzed: 02/24/12 15:03 Lab File ID: ckq009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:40

TO15LL/NJ

jd1 Jennifer Dragon 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/10 Client Sample ID:

Date Analyzed: 02/24/12 15:53 Lab File ID: ckq010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:41

Lab Sample ID: ICV 200-34198/16 Client Sample ID:

Date Analyzed: 02/24/12 20:54 Lab File ID: ckq016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:46

jd1 Jennifer Drago 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 35378

Lab Sample ID: CCVIS 200-35378/2 Client Sample ID:

Date Analyzed: 03/20/12 13:03 Lab File ID: ckqr002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/21/12 11:19

Lab Sample ID: LCS 200-35378/4 Client Sample ID:

Date Analyzed: 03/20/12 15:39 Lab File ID: ckqr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.74	Baseline event	pd	03/20/12 16:17
1,1,1-Trichloroethane	11.41	Baseline event	pd	03/20/12 16:17
1,2-Dichloroethane	11.98	Analyte misidentified by the data system	pd	03/20/12 16:17

Lab Sample ID: CCVC 200-35378/27 Client Sample ID:

Date Analyzed: 03/21/12 10:47 Lab File ID: ckqr027.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	03/21/12 13:12

PAD 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 35786

Lab Sample ID: CCVIS 200-35786/2 Client Sample ID:

Date Analyzed: 03/27/12 11:26 Lab File ID: ckqw002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/28/12 09:02

P.AD 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: G.i Analysis Batch Number: 34961

Lab Sample ID: LCS 200-34961/4 Client Sample ID:

Date Analyzed: 03/13/12 12:33 Lab File ID: gghh004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.06	Baseline event	pd	03/13/12 12:58

PAO 3/29/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/5 Client Sample ID:

Date Analyzed: 02/24/12 11:42 Lab File ID: ckq005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:37

Lab Sample ID: IC 200-34198/6 Client Sample ID:

Date Analyzed: 02/24/12 12:32 Lab File ID: ckq006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: ICIS 200-34198/7 Client Sample ID:

Date Analyzed: 02/24/12 13:22 Lab File ID: ckq007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:38

Lab Sample ID: IC 200-34198/8 Client Sample ID:

Date Analyzed: 02/24/12 14:13 Lab File ID: ckq008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:39

Lab Sample ID: IC 200-34198/9 Client Sample ID:

Date Analyzed: 02/24/12 15:03 Lab File ID: ckq009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:40

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 34198

Lab Sample ID: IC 200-34198/10 Client Sample ID:

Date Analyzed: 02/24/12 15:53 Lab File ID: ckq010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.67	Poor chromatography	jd1	02/28/12 10:41

Lab Sample ID: ICV 200-34198/16 Client Sample ID:

Date Analyzed: 02/24/12 20:54 Lab File ID: ckq016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.68	Poor chromatography	jd1	02/28/12 10:46

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 35378

Lab Sample ID: CCVIS 200-35378/2 Client Sample ID:

Date Analyzed: 03/20/12 13:03 Lab File ID: ckqr002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/21/12 11:19

Lab Sample ID: LCS 200-35378/4 Client Sample ID:

Date Analyzed: 03/20/12 15:39 Lab File ID: ckqr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.74	Baseline event	pd	03/20/12 16:17
1,1,1-Trichloroethane	11.41	Baseline event	pd	03/20/12 16:17
1,2-Dichloroethane	11.98	Analyte misidentified by the data system	pd	03/20/12 16:17

Lab Sample ID: CCVC 200-35378/27 Client Sample ID:

Date Analyzed: 03/21/12 10:47 Lab File ID: ckqr027.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	03/21/12 13:12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Analysis Batch Number: 35786

Lab Sample ID: CCVIS 200-35786/2 Client Sample ID:

Date Analyzed: 03/27/12 11:26 Lab File ID: ckqw002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	03/28/12 09:02

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: G.i Analysis Batch Number: 34961

Lab Sample ID: LCS 200-34961/4 Client Sample ID:

Date Analyzed: 03/13/12 12:33 Lab File ID: gghh004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.06	Baseline event	pd	03/13/12 12:58

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.51		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	18		94			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	32		210			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.51		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.53		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	53		360			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	3.6		24			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

DATA REPORTING QUALIFIERS

Client: Bureau Veritas North America, Inc.

Job Number: 200-9750-1
Sdg Number: 200-9750-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	**Matrix:**	Air	**QA Review:**	Kirstin McCracken
PREP METHOD:	NA	**Instrument(s):**	C,B,G	**Date Approved:**	2/25/2011
CLEANUP METHOD(s):	NA			**TALS Entry:**	2/25/2011 (TO15) 05/18/11 (NJLLTO15)

ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3	0.2	3.7	1.5
1,1,2,2-Tetrachloroethane	79-34-5	0.040	0.13	3	0.2	3.3	1.5
1,1,2-Trichloroethane	79-00-5	0.019	0.04	1	0.2	2.1	5.0
1,1-Dichloroethane	75-34-3	0.035	0.13	3	0.2	3.7	1.5
1,1-Dichloroethene	75-35-4	0.030	0.08	2	0.2	2.7	2.5
1,2,4-Trichlorobenzene	120-82-1	0.050	0.13	3	0.5	2.6	3.8
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	3	0.2	2.5	1.5
1,2-Dibromoethane	106-93-4	0.018	0.04	1	0.2	2.2	5.0
1,2-Dichlorobenzene	95-50-1	0.048	0.13	3	0.2	2.7	1.5
1,2-Dichloroethane	107-06-2	0.031	0.08	2	0.2	2.6	2.5
1,2-Dichloropropane	78-87-5	0.014	0.04	1	0.2	2.9	5.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2	0.2	2.5	2.5
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	3	0.2	2.5	1.5
1,3-Butadiene	106-99-0	0.010	0.04	1	0.2	4.0	5.0
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3	0.2	3.0	1.5
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3	0.2	3.0	1.5
1,4-Dioxane	123-91-1	0.088	0.32	5	5.0	3.6	15.6
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3	0.2	3.6	1.5
2-Chlorotoluene	95-49-8	0.047	0.13	3	0.2	2.8	1.5
3-Chloropropene	107-05-1	0.019	0.04	1	0.2	2.1	5.0
4-Ethyltoluene	622-96-8	0.046	0.13	3	0.2	2.8	1.5
Acetone	67-64-1	0.045	0.13	3	5.0	2.9	38.5
Benzene	71-43-2	0.018	0.04	1	0.2	2.2	5.0
Bromodichloromethane	75-27-4	0.028	0.08	2	0.2	2.9	2.5
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	1	0.2	2.1	5.0
Bromoform	75-25-2	0.019	0.04	1	0.2	2.1	5.0
Bromomethane	74-83-9	0.012	0.04	1	0.2	3.3	5.0
Carbon disulfide	75-15-0	0.066	0.20	4	0.5	3.0	2.5
Carbon tetrachloride	56-23-5	0.033	0.13	3	0.2	3.9	1.5
Chlorobenzene	108-90-7	0.020	0.08	2	0.2	4.0	2.5
Chloroethane	75-00-3	0.016	0.04	1	0.5	2.5	12.5
Chloroform	67-66-3	0.031	0.08	2	0.2	2.6	2.5
Chloromethane	74-87-3	0.013	0.04	1	0.5	3.1	12.5
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	1	0.2	2.9	5.0
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	1	0.2	2.5	5.0
Cyclohexane	110-82-7	0.039	0.13	3	0.2	3.3	1.5
Dibromochloromethane	124-48-1	0.021	0.08	2	0.2	3.8	2.5

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	**Matrix:**	Air	**QA Review:**	Kirstin McCracken
PREP METHOD:	NA	**Instrument(s):**	C,B,G	**Date Approved:**	2/25/2011
CLEANUP METHOD(s):	NA			**TALS Entry:**	2/25/2011 (TO15) 05/18/11 (NJLLTO15)

ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
Dichlorodifluoromethane	75-71-8	0.038	0.13	3	0.5	3.4	3.8
Ethylbenzene	100-41-4	0.022	0.08	2	0.2	3.6	2.5
Freon TF	76-13-1	0.010	0.04	1	0.2	4.0	5.0
Hexachlorobutadiene	87-68-3	0.065	0.20	4	0.2	3.1	1.0
Isopropyl alcohol	67-63-0	0.037	0.13	3	5.0	3.5	38.5
m,p-Xylene	179601-23-1	0.048	0.16	2	0.5	3.3	3.1
Methyl Ethyl Ketone	78-93-3	0.017	0.04	1	0.5	2.4	12.5
Methyl isobutyl ketone	108-10-1	0.026	0.08	2	0.5	3.1	6.3
Methyl methacrylate	80-62-6	0.013	0.04	1	0.5	3.1	12.5
Methyl tert-butyl ether	1634-04-4	0.016	0.04	1	0.2	2.5	5.0
Methylene Chloride	75-09-2	0.013	0.04	1	0.5	3.1	12.5
n-Heptane	142-82-5	0.010	0.04	1	0.2	4.0	5.0
n-Hexane	110-54-3	0.026	0.08	2	0.2	3.1	2.5
Styrene	100-42-5	0.030	0.08	2	0.2	2.7	2.5
tert-Butyl alcohol	75-65-0	0.071	0.20	4	5.0	2.8	25.0
Tetrachloroethene	127-18-4	0.011	0.04	1	0.2	3.6	5.0
Tetrahydrofuran	109-99-9	0.018	0.04	1	5.0	2.2	125.0
Toluene	108-88-3	0.018	0.04	1	0.2	2.2	5.0
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2	0.2	2.5	2.5
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	2	0.2	4.0	2.5
Trichloroethene	79-01-6	0.030	0.08	2	0.2	2.7	2.5
Trichlorofluoromethane	75-69-4	0.034	0.13	3	0.2	3.8	1.5
Vinyl chloride	75-01-4	0.029	0.08	2	0.2	2.8	2.5
Xylene, o-	95-47-6	0.022	0.08	2	0.2	3.6	2.5

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Propylene	115-07-1	0.1	0.201886	0.168632	0.162309	0.158971	0.152917	0.159792	0.150441	0.165	165%	0.01733	0.054	1.9
Chloromethane	74-87-3	0.1	0.165405	0.159883	0.163044	0.160587	0.153933	0.154525	0.16017	0.160	160%	0.00418	0.013	7.6
n-Butane	106-97-8	0.1	0.140329	0.140564	0.133993	0.136954	0.131432	0.140465	0.137179	0.137	137%	0.00354	0.011	9.0
1,3-Butadiene	106-99-0	0.1	0.119494	0.121087	0.11532	0.115429	0.119153	0.122895	0.114225	0.118	118%	0.00328	0.010	9.7
Bromomethane	74-83-9	0.1	0.110669	0.118524	0.114182	0.110876	0.108519	0.107532	0.111284	0.112	112%	0.00370	0.012	8.6
Chloroethane	75-00-3	0.1	0.112488	0.102587	0.101849	0.11191	0.107437	0.105195	0.11448	0.108	108%	0.00505	0.016	6.3
Bromoethene(Vinyl Bromide)	593-60-2	0.1	0.117344	0.111688	0.112182	0.114578	0.103814	0.100533	0.108972	0.110	110%	0.00593	0.019	5.4
Ethanol	64-17-5	1.0	1.129074	1.077447	1.070299	1.054504	1.048517	0.98851	1.073392	1.063	106%	0.04197	0.132	7.6
Freon TF	76-13-1	0.1	0.124396	0.115525	0.120101	0.119314	0.123814	0.117877	0.122527	0.121	121%	0.00325	0.010	9.8
1,1-Dichloroethene	75-35-4	0.1	0.114737	0.142534	0.136879	0.14222	0.132263	0.138772	0.130317	0.134	134%	0.00965	0.030	3.3
Acetone	67-64-1	0.1	0.18759	0.181695	0.211068	0.215413	0.214341	0.189862	0.209649	0.201	201%	0.01436	0.045	2.2
Carbon disulfide	75-15-0	0.1	0.150015	0.114565	0.116591	0.1668	0.119379	0.113882	0.120895	0.129	129%	0.02089	0.066	1.5
3-Chloropropene	107-05-1	0.1	0.143459	0.136033	0.128334	0.138929	0.130651	0.129027	0.128202	0.134	134%	0.00603	0.019	5.3
Methylene Chloride	75-09-2	0.1	0.212597	0.204052	0.207541	0.20431	0.200664	0.211436	0.205404	0.207	207%	0.00426	0.013	7.5
Methyl tert-butyl ether	1634-04-4	0.1	0.084878	0.09868	0.095022	0.092174	0.096515	0.088745	0.097008	0.093	93%	0.00498	0.016	6.4
Methyl Ethyl Ketone	78-93-3	0.1	0.076069	0.078249	0.078262	0.083165	0.071556	0.070797	0.084597	0.078	78%	0.00526	0.017	6.1
cis-1,2-Dichloroethene	156-59-2	0.1	0.116429	0.11738	0.117473	0.12595	0.116589	0.12624	0.119778	0.120	120%	0.00432	0.014	7.4
Tetrahydrofuran	109-99-9	0.1	0.116694	0.118185	0.113593	0.104418	0.108272	0.104676	0.107916	0.111	111%	0.00562	0.018	5.7
Benzene	71-43-2	0.1	0.125144	0.113526	0.112767	0.123129	0.1235	0.114263	0.125609	0.120	120%	0.00587	0.018	5.4
n-Heptane	142-82-5	0.1	0.138148	0.132893	0.130938	0.13424	0.129195	0.137187	0.132969	0.134	134%	0.00320	0.010	10.0
Methyl methacrylate	80-62-6	0.1	0.065461	0.055557	0.055579	0.052471	0.061264	0.057491	0.056724	0.058	58%	0.00429	0.013	7.4
1,2-Dichloropropane	78-87-5	0.1	0.112582	0.110862	0.119347	0.105356	0.117156	0.114615	0.111	0.113	113%	0.00461	0.014	6.9
cis-1,3-Dichloropropene	10061-01-5	0.1	0.09503	0.095013	0.103175	0.092231	0.103901	0.101875	0.103521	0.099	99%	0.00495	0.016	6.4
Methyl isobutyl ketone	108-10-1	0.1	0.085914	0.065499	0.06518	0.060979	0.063268	0.069512	0.071963	0.069	69%	0.00836	0.026	3.8
Toluene	108-88-3	0.1	0.104017	0.098623	0.09943	0.096982	0.112156	0.109859	0.103033	0.103	103%	0.00575	0.018	5.5
trans-1,3-Dichloropropene	10061-02-6	0.1	0.089231	0.077201	0.090047	0.081231	0.092555	0.094624	0.090722	0.088	88%	0.00633	0.020	5.0
1,1,2-Trichloroethane	79-00-5	0.1	0.102173	0.086668	0.098645	0.088923	0.097124	0.101315	0.095875	0.096	96%	0.00594	0.019	5.4
Tetrachloroethene	127-18-4	0.1	0.1141	0.10691	0.106164	0.102583	0.107866	0.108916	0.109129	0.108	108%	0.00349	0.011	9.1
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.1	0.090706	0.057995	0.055444	0.060484	0.058376	0.072349	0.06854	0.066	66%	0.01239	0.039	2.6
1,2-Dibromoethane	106-93-4	0.1	0.088744	0.080998	0.085726	0.077404	0.092283	0.091473	0.091337	0.087	87%	0.00576	0.018	5.5
Chlorobenzene	108-90-7	0.1	0.104572	0.094689	0.102645	0.089763	0.106775	0.104137	0.103822	0.101	101%	0.00623	0.020	5.1
Ethylbenzene	100-41-4	0.1	0.100081	0.084239	0.086793	0.08204	0.094731	0.096336	0.096457	0.092	92%	0.00703	0.022	4.5
m,p-Xylene	179601-23-1	0.2	0.191147	0.15116	0.153964	0.144553	0.158286	0.168653	0.160355	0.161	81%	0.01523	0.048	4.2

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11					
	Instrument ID:		C	C	C	C	C	C	C					
	Column Type:		RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Xylene, o-	95-47-6	0.1	0.092156	0.072736	0.076065	0.06986	0.077021	0.077813	0.080062	0.078	78%	0.00711	0.022	4.5
Xylene (total)	1330-20-7	0.3	0.283303	0.223896	0.230029	0.214413	0.235307	0.246466	0.240417	0.239	80%	0.02216	0.070	4.3
Styrene	100-42-5	0.1	0.079444	0.052929	0.054975	0.054926	0.060044	0.069955	0.064642	0.062	62%	0.00965	0.030	3.3
Bromoform	75-25-2	0.1	0.078501	0.065637	0.070755	0.067683	0.0806	0.07696	0.079403	0.074	74%	0.00608	0.019	5.2
Cumene	98-82-8	0.1	0.095283	0.070482	0.07076	0.063346	0.072837	0.077886	0.074022	0.075	75%	0.01000	0.031	3.2
1,1,2,2-Tetrachloroethane	79-34-5	0.1	0.099837	0.065833	0.066168	0.061731	0.069252	0.074969	0.072	0.073	73%	0.01268	0.040	2.5
n-Propylbenzene	103-65-1	0.1	0.103308	0.059047	0.059621	0.061326	0.065671	0.080792	0.075052	0.072	72%	0.01603	0.050	2.0
4-Ethyltoluene	622-96-8	0.1	0.094588	0.05482	0.052207	0.055453	0.058437	0.068373	0.066731	0.064	64%	0.01465	0.046	2.2
1,3,5-Trimethylbenzene	108-67-8	0.1	0.095188	0.049424	0.047731	0.054539	0.056337	0.065158	0.061781	0.061	61%	0.01612	0.051	2.0
2-Chlorotoluene	95-49-8	0.1	0.111812	0.071421	0.07439	0.071252	0.078649	0.095528	0.086825	0.084	84%	0.01503	0.047	2.1
tert-Butylbenzene	98-06-6	0.1	0.093453	0.05339	0.053064	0.054763	0.052612	0.070296	0.066548	0.063	63%	0.01505	0.047	2.1
1,2,4-Trimethylbenzene	95-63-6	0.1	0.094887	0.051608	0.04733	0.052091	0.052102	0.066753	0.060763	0.061	61%	0.01641	0.052	1.9
sec-Butylbenzene	135-98-8	0.1	0.095246	0.053444	0.052475	0.05586	0.057899	0.069545	0.066887	0.064	64%	0.01506	0.047	2.1
4-Isopropyltoluene	99-87-6	0.1	0.091286	0.049526	0.047713	0.052875	0.053957	0.066682	0.062989	0.061	61%	0.01515	0.048	2.1
1,3-Dichlorobenzene	541-73-1	0.1	0.105305	0.066618	0.070909	0.071451	0.075396	0.092047	0.084338	0.081	81%	0.01387	0.044	2.3
1,4-Dichlorobenzene	106-46-7	0.1	0.107508	0.071551	0.071442	0.068635	0.076327	0.092563	0.083615	0.082	82%	0.01412	0.044	2.3
Benzyl chloride	100-44-7	0.1	0.088409	0.050406	0.04318	0.053207	0.053591	0.062927	0.065875	0.060	60%	0.01478	0.046	2.2
n-Butylbenzene	104-51-8	0.1	0.102595	0.057155	0.054602	0.059518	0.055489	0.078783	0.073601	0.069	69%	0.01763	0.055	1.8
1,2-Dichlorobenzene	95-50-1	0.1	0.105593	0.063974	0.064478	0.066942	0.067663	0.085546	0.078821	0.076	76%	0.01530	0.048	2.1
1,2,4-Trichlorobenzene	120-82-1	0.1	0.125953	0.088833	0.083915	0.092056	0.075633	0.097677	0.095966	0.094	94%	0.01585	0.050	2.0
Hexachlorobutadiene	87-68-3	0.1	0.125395	0.070704	0.066347	0.075212	0.080216	0.101958	0.090911	0.087	87%	0.02078	0.065	1.5
Naphthalene	91-20-3	0.1	0.153406	0.094229	0.08418	0.089415	0.06532	0.086159	0.092889	0.095	95%	0.02746	0.086	1.2
1,2,3-Trichlorobenzene	87-61-6	0.1	0.175473	0.109206	0.103483	0.106023	0.091721	0.120446	0.12221	0.118	118%	0.02723	0.086	1.2
1,2,3-Trichloropropane	96-18-4	0.1	0.119066	0.075287	0.082099	0.080993	0.079014	0.088707	0.083388	0.087	87%	0.01475	0.046	2.2
Acetonitrile	75-05-8	0.1	0.154764	0.143517	0.157853	0.159604	0.156452	0.170337	0.169258	0.159	159%	0.00912	0.029	3.5
Ethyl ether	60-29-7	0.1	0.084561	0.088569	0.100242	0.08943	0.088009	0.085437	0.086851	0.089	89%	0.00524	0.016	6.1
n-Decane	124-18-5	0.1	0.112638	0.068054	0.068073	0.071016	0.072912	0.092115	0.083833	0.081	81%	0.01649	0.052	1.9
n-Nonane	111-84-2	0.1	0.108973	0.078618	0.086928	0.085352	0.094762	0.107086	0.09574	0.094	94%	0.01126	0.035	2.8
n-Octane	111-65-9	0.1	0.123363	0.125913	0.13344	0.124434	0.135838	0.132598	0.131656	0.130	130%	0.00493	0.016	6.4
n-Dodecane	112-40-3	0.1	0.156697	0.085762	0.086583	0.097223	0.071921	0.101365	0.10625	0.101	101%	0.02717	0.085	1.2
n-Undecane	1120-21-4	0.1	0.124095	0.070139	0.068288	0.075982	0.072383	0.094889	0.087882	0.085	85%	0.01990	0.063	1.6
n-Pentane	109-66-0	0.1	0.117879	0.117435	0.119922	0.12321	0.112351	0.121227	0.117383	0.118	118%	0.00347	0.011	9.2
Alpha Methyl Styrene	98-83-9	0.1	0.075232	0.043867	0.042138	0.047597	0.048387	0.059613	0.055831	0.053	53%	0.01153	0.036	2.8

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Ethyl acetate	141-78-6	0.5	0.439877	0.434768	0.480298	0.463171	0.438717	0.444977	0.441152	0.449	90%	0.01658	0.052	9.6
Isopentane	78-78-4	0.5	0.506619	0.499204	0.510851	0.508719	0.485693	0.502944	0.49703	0.502	100%	0.00859	0.027	18.5
n-Butanol	71-36-3	0.5	0.360873	0.399968	0.423508	0.399853	0.486233	0.463348	0.407713	0.420	84%	0.04229	0.133	3.8
n-Hexane	110-54-3	0.5	0.514506	0.489459	0.503498	0.496936	0.49565	0.493624	0.497933	0.499	100%	0.00813	0.026	19.6
Vinyl acetate	108-05-4	0.5	0.529983	0.532186	0.536038	0.527071	0.510861	0.512158	0.510086	0.523	105%	0.01118	0.035	14.2
Acrolein	107-02-8	0.5	0.401029	0.407713	0.419865	0.420698	0.401248	0.398402	0.408054	0.408	82%	0.00902	0.028	17.6
tert-Butyl alcohol	75-65-0	0.5	0.449062	0.463898	0.463898	0.491507	0.506438	0.505982	0.470631	0.479	96%	0.02258	0.071	7.0
1,4-Dioxane	123-91-1	0.5	0.422901	0.4554	0.46106	0.478598	0.511099	0.479638	0.447736	0.465	93%	0.02799	0.088	5.7

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/18/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Dichlorodifluoromethane	75-71-8	0.05	0.101788	0.069432	0.071595	0.072473	0.069229	0.068049	0.068008	0.074	149%	0.01221	0.038	1.3
Freon 22	75-45-6	0.05	0.113304	0.087839	0.090605	0.084398	0.083532	0.083146	0.085579	0.090	180%	0.01070	0.034	1.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.05	0.091945	0.064289	0.066328	0.065349	0.067714	0.064648	0.064252	0.069	138%	0.01010	0.032	1.6
Vinyl chloride	75-01-4	0.05	0.087535	0.064735	0.064332	0.069858	0.060013	0.062939	0.066988	0.068	136%	0.00912	0.029	1.7
Trichlorofluoromethane	75-69-4	0.05	0.094913	0.065652	0.066987	0.068462	0.065407	0.066049	0.06528	0.070	141%	0.01087	0.034	1.5
trans-1,2-Dichloroethene	156-60-5	0.05	0.090752	0.06635	0.063605	0.067671	0.064132	0.06321	0.060048	0.068	136%	0.01034	0.032	1.5
1,1-Dichloroethane	75-34-3	0.05	0.096744	0.070288	0.067717	0.068656	0.065884	0.06472	0.067828	0.072	143%	0.01119	0.035	1.4
Chloroform	67-66-3	0.05	0.093068	0.066898	0.069012	0.06744	0.068232	0.066534	0.06627	0.071	142%	0.00975	0.031	1.6
1,1,1-Trichloroethane	71-55-6	0.05	0.095712	0.066556	0.065125	0.070464	0.065534	0.065207	0.064924	0.071	141%	0.01128	0.035	1.4
Cyclohexane	110-82-7	0.05	0.095102	0.064313	0.065699	0.066489	0.059982	0.063778	0.060065	0.068	136%	0.01225	0.039	1.3
Carbon tetrachloride	56-23-5	0.05	0.089593	0.063038	0.064147	0.060326	0.061586	0.060548	0.062775	0.066	132%	0.01049	0.033	1.5
2,2,4-Trimethylpentane	540-84-1	0.05	0.099219	0.071127	0.07029	0.070519	0.068385	0.068496	0.066053	0.073	147%	0.01150	0.036	1.4
1,2-Dichloroethane	107-06-2	0.05	0.092649	0.068174	0.065946	0.069452	0.065141	0.067168	0.065599	0.071	141%	0.00985	0.031	1.6
Trichloroethene	79-01-6	0.05	0.088629	0.064084	0.066352	0.064556	0.062577	0.063303	0.06145	0.067	135%	0.00954	0.030	1.7
Bromodichloromethane	75-27-4	0.05	0.077396	0.055711	0.05379	0.055138	0.053559	0.054251	0.052688	0.058	115%	0.00883	0.028	1.8
Dibromomethane	74-95-3	0.05	0.082834	0.062239	0.065542	0.060914	0.061284	0.064217	0.06085	0.065	131%	0.00789	0.025	2.0
Dibromochloromethane	124-48-1	0.05	0.061378	0.044223	0.04456	0.042317	0.043973	0.04767	0.042765	0.047	93%	0.00670	0.021	2.4
Acrylonitrile	107-13-1	0.05	0.050914	0.044191	0.039432	0.042263	0.040923	0.046369	0.036199	0.043	86%	0.00482	0.015	3.3
Isopropyl alcohol	67-63-0	0.05	0.093732	0.072824	0.06613	0.06893	0.066682	0.065222	0.055373	0.070	140%	0.01180	0.037	1.3

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	1							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Chloromethane	74-87-3	0.013	0.04	3.1	Y	0.0843251	01/21/11	0.082920	2/10/2011	0.073625	2/3/2011
n-Butane	106-97-8	0.011	0.04	3.6	Y	0.063690	01/21/11	0.078676	2/10/2011	0.063307	2/3/2011
1,3-Butadiene	106-99-0	0.010	0.04	4.0	Y	0.0411415	01/21/11	0.023420	2/10/2011	0.050751	2/3/2011
Bromomethane	74-83-9	0.012	0.04	3.3	Y	0.0429392	01/21/11	0.026278	2/10/2011	0.044979	2/3/2011
Freon TF	76-13-1	0.010	0.04	4.0	Y	0.050020	01/21/11	0.032953	2/10/2011	0.049006	2/3/2011
Methylene Chloride	75-09-2	0.013	0.04	3.1	Y	0.1304849	01/21/11	0.132440	2/10/2011	0.178325	2/3/2011
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	2.9	Y	0.0559042	01/21/11	0.026524	2/10/2011	0.046805	2/3/2011
n-Heptane	142-82-5	0.010	0.04	4.0	Y	0.059220	01/21/11	0.036584	2/10/2011	0.049603	2/3/2011
Methyl methacrylate	80-62-6	0.013	0.04	3.1	Y	0.0185573	01/21/11	0.013207	2/10/2011	0.015919	2/3/2011
1,2-Dichloropropane	78-87-5	0.014	0.04	2.9	Y	0.0491645	01/21/11	0.029200	2/10/2011	0.033561	2/3/2011
Tetrachloroethene	127-18-4	0.011	0.04	3.6	Y	0.0517272	01/21/11	0.023626	2/10/2011	0.045015	2/3/2011
n-Pentane	109-66-0	0.011	0.04	3.6	Y	0.053629	01/21/11	0.067209	2/10/2011	0.060430	2/3/2011
Chloroethane	75-00-3	0.016	0.04	2.5	Y	0.040157	01/21/11	0.029232	2/10/2011	0.038282	2/3/2011
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	2.1	Y	0.042009	01/21/11	0.029122	2/10/2011	0.044899	2/3/2011
3-Chloropropene	107-05-1	0.019	0.04	2.1	Y	0.056749	01/21/11	0.035266	2/10/2011	0.048660	2/3/2011
Methyl tert-butyl ether	1634-04-4	0.016	0.04	2.5	Y	0.036290	01/21/11	0.025190	2/10/2011	0.034012	2/3/2011
Methyl Ethyl Ketone	78-93-3	0.017	0.04	2.4	Y	0.026228	01/21/11	0.019935	2/10/2011	0.027375	2/3/2011
Tetrahydrofuran	109-99-9	0.018	0.04	2.2	Y	0.036990	01/21/11	0.028150	2/10/2011	0.026504	2/3/2011
Benzene	71-43-2	0.018	0.04	2.2	Y	0.058848	01/21/11	0.041292	2/10/2011	0.056796	2/3/2011
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	2.5	Y	0.041337	01/21/11	0.022500	2/10/2011	0.029651	2/3/2011
Toluene	108-88-3	0.018	0.04	2.2	Y	0.044860	01/21/11	0.032692	2/10/2011	0.040179	2/3/2011
1,1,2-Trichloroethane	79-00-5	0.019	0.04	2.1	Y	0.035285	01/21/11	0.022548	2/10/2011	0.033505	2/3/2011
1,2-Dibromoethane	106-93-4	0.018	0.04	2.2	Y	0.035138	01/21/11	0.019814	2/10/2011	0.030596	2/3/2011
Bromoform	75-25-2	0.019	0.04	2.1	Y	0.028803	01/21/11	0.015696	2/10/2011	0.024448	2/3/2011
Ethyl ether	60-29-7	0.016	0.04	2.5	Y	0.022675	01/21/11	0.021661	2/10/2011	0.023250	2/3/2011
n-Octane	111-65-9	0.016	0.04	2.5	Y	0.049646	01/21/11	0.035372	2/10/2011	0.045761	2/3/2011
Acrylonitrile	107-13-1	0.015	0.04	2.7	Y	0.024284	01/21/11	0.018677	2/10/2011	0.029606	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	2							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2.5	Y	0.089611	01/21/11	0.061189	2/10/2011	0.091308	2/3/2011
Vinyl chloride	75-01-4	0.029	0.08	2.8	Y	0.082484	01/21/11	0.053773	2/10/2011	0.086385	2/3/2011
1,1-Dichloroethene	75-35-4	0.030	0.08	2.7	Y	0.100549	01/21/11	0.057921	2/10/2011	0.099469	2/3/2011
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2.5	Y	0.087924	01/21/11	0.052188	2/10/2011	0.086974	2/3/2011
n-Hexane	110-54-3	0.026	0.08	2.7	Y	0.092921	01/21/11	0.080984	2/10/2011	0.092204	2/3/2011
Chloroform	67-66-3	0.031	0.08	2.6	Y	0.096132	01/21/11	0.056766	2/10/2011	0.087114	2/3/2011
Trichloroethene	79-01-6	0.030	0.08	2.7	Y	0.086903	01/21/11	0.051520	2/10/2011	0.089881	2/3/2011
Bromodichloromethane	75-27-4	0.028	0.08	2.9	Y	0.078200	01/21/11	0.046463	2/10/2011	0.075705	2/3/2011
Dibromomethane	74-95-3	0.025	0.08	3.2	Y	0.085097	01/21/11	0.044885	2/10/2011	0.090685	2/3/2011
Methyl isobutyl ketone	108-10-1	0.026	0.08	3.1	Y	0.070823	01/21/11	0.045424	2/10/2011	0.048252	2/3/2011
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	4.0	Y	0.084585	01/21/11	0.041504	2/10/2011	0.065278	2/3/2011
Dibromochloromethane	124-48-1	0.021	0.08	3.8	Y	0.071458	01/21/11	0.038884	2/10/2011	0.065182	2/3/2011
Chlorobenzene	108-90-7	0.020	0.08	4.0	Y	0.094056	01/21/11	0.052299	2/10/2011	0.079892	2/3/2011
Ethylbenzene	100-41-4	0.022	0.08	3.6	Y	0.087649	01/21/11	0.054646	2/10/2011	0.071716	2/3/2011
Xylene, o-	95-47-6	0.022	0.08	3.6	Y	0.073560	01/21/11	0.044869	2/10/2011	0.071242	2/3/2011
Styrene	100-42-5	0.030	0.08	2.7	Y	0.069383	01/21/11	0.031778	2/10/2011	0.055159	2/3/2011
Cumene	98-82-8	0.031	0.08	2.6	Y	0.072252	01/21/11	0.046433	2/10/2011	0.070663	2/3/2011
Acetonitrile	75-05-8	0.029	0.08	2.8	Y	0.137853	01/21/11	0.079535	2/10/2011	0.103024	2/3/2011
Acrolein	107-02-8	0.028	0.08	2.9	Y	0.061464	01/21/11	0.056108	2/10/2011	0.062719	2/3/2011
Isopentane	78-78-4	0.027	0.08	3.0	Y	0.090816	01/21/11	0.103753	2/10/2011	0.116894	2/3/2011
1,2-Dichloroethane	107-06-2	0.031	0.08	2.6	Y	0.098855	01/21/11	0.052275	2/10/2011	0.089740	2/3/2011
m,p-Xylene	179601-23-1	0.048	0.16	3.3	Y	0.150921	01/21/11	0.092116	2/10/2011	0.148705	2/3/2011
Xylene (total)	1330-20-7	0.070	0.24	3.4	Y	0.224481	01/21/11	0.136984	2/10/2011	0.219947	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	3							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Dichlorodifluoromethane	75-71-8	0.038	0.13	3.4	Y	0.154221	01/21/11	0.207322	2/10/2011	0.143322	2/3/2011
Freon 22	75-45-6	0.034	0.13	3.8	Y	0.156649	01/21/11	0.199070	2/10/2011	0.158361	2/3/2011
Trichlorofluoromethane	75-69-4	0.034	0.13	3.8	Y	0.142547	01/21/11	0.134054	2/10/2011	0.138048	2/3/2011
Isopropyl alcohol	67-63-0	0.037	0.13	3.5	Y	0.168176	01/21/11	0.163494	2/10/2011	0.124920	2/3/2011
1,1-Dichloroethane	75-34-3	0.035	0.13	3.7	Y	0.146871	01/21/11	0.091923	2/10/2011	0.139252	2/3/2011
Vinyl acetate	108-05-4	0.035	0.13	3.7	Y	0.136686	01/21/11	0.072790	2/10/2011	0.112938	2/3/2011
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3.7	Y	0.144375	01/21/11	0.088928	2/10/2011	0.135264	2/3/2011
Cyclohexane	110-82-7	0.039	0.13	3.3	Y	0.137269	01/21/11	0.086890	2/10/2011	0.138803	2/3/2011
Carbon tetrachloride	56-23-5	0.033	0.13	3.9	Y	0.138242	01/21/11	0.096220	2/10/2011	0.125111	2/3/2011
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3.6	Y	0.151161	01/21/11	0.097849	2/10/2011	0.139508	2/3/2011
1,1,2,2-Tetrachloroethane	79-34-5	0.04	0.13	3.3	Y	0.120448	01/21/11	0.081011	2/10/2011	0.119922	2/3/2011
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3.0	Y	0.118793	01/21/11	0.074299	2/10/2011	0.102048	2/3/2011
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3.0	Y	0.114823	01/21/11	0.074551	2/10/2011	0.095198	2/3/2011
n-Nonane	111-84-2	0.035	0.13	3.7	Y	0.150613	01/21/11	0.102831	2/10/2011	0.131800	2/3/2011
Alpha Methyl Styrene	98-83-9	0.036	0.13	3.6	Y	0.088403	01/21/11	0.052919	2/10/2011	0.070275	2/3/2011
Acetone	67-64-1	0.045	0.13	2.9	Y	0.268147	01/21/11	1.043663	2/10/2011	0.286823	2/3/2011
Methyl Butyl Ketone (2-Hexanone	591-78-6	0.039	0.13	3.3	Y	0.102927	01/21/11	0.050502	2/10/2011	0.079521	2/3/2011
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	2.5	Y	0.099494	01/21/11	0.080146	2/10/2011	0.112295	2/3/2011
tert-Butylbenzene	98-06-6	0.047	0.13	2.8	Y	0.100974	01/21/11	0.083055	2/10/2011	0.126430	2/3/2011
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	2.5	Y	0.093496	01/21/11	0.077069	2/10/2011	0.105071	2/3/2011
4-Isopropyltoluene	99-87-6	0.048	0.13	2.7	Y	0.099966	01/21/11	0.081198	2/10/2011	0.106240	2/3/2011
Benzyl chloride	100-44-7	0.046	0.13	2.8	Y	0.087291	01/21/11	0.062079	2/10/2011	0.063588	2/3/2011
n-Butylbenzene	104-51-8	0.055	0.13	2.4	Y	0.105326	01/21/11	0.087162	2/10/2011	0.091833	2/3/2011
1,2,4-Trichlorobenzene	120-82-1	0.05	0.13	2.6	Y	0.140368	01/21/11	0.069510	2/10/2011	0.066469	2/3/2011
n-Decane	124-18-5	0.052	0.13	2.5	Y	0.120041	01/21/11	0.106123	2/10/2011	0.094822	2/3/2011
4-Ethyltoluene	622-96-8	0.046	0.13	2.8	Y	0.100319	01/21/11	0.083581	2/10/2011	0.116029	2/3/2011
2-Chlorotoluene	95-49-8	0.047	0.13	2.8	Y	0.133615	01/21/11	0.093384	2/10/2011	0.129192	2/3/2011
sec-Butylbenzene	135-98-8	0.047	0.13	2.8	Y	0.100359	01/21/11	0.083454	2/10/2011	0.117959	2/3/2011
1,2-Dichlorobenzene	95-50-1	0.048	0.13	2.7	Y	0.112511	01/21/11	0.073182	2/10/2011	0.106396	2/3/2011
1,2,3-Trichloropropane	96-18-4	0.046	0.13	2.8	Y	0.132612	01/21/11	0.099927	2/10/2011	0.139508	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	4							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Propylene	115-07-1	0.054	0.20	3.7	Y	0.270393	01/21/11	0.347567	2/10/2011	0.280007	2/3/2011
Carbon disulfide	75-15-0	0.066	0.20	3.0	Y	0.211080	01/21/11	0.140112	2/10/2011	0.213331	2/3/2011
Ethyl acetate	141-78-6	0.052	0.20	3.8	Y	0.093712	01/21/11	0.091471	2/10/2011	0.138658	2/3/2011
n-Propylbenzene	103-65-1	0.050	0.20	4.0	Y	0.189546	01/21/11	0.140935	2/10/2011	0.198387	2/3/2011
Hexachlorobutadiene	87-68-3	0.065	0.20	3.1	Y	0.245311	01/21/11	0.125313	2/10/2011	0.191995	2/3/2011
n-Undecane	1120-21-4	0.063	0.20	3.2	Y	0.223886	01/21/11	0.210531	2/10/2011	0.188278	2/3/2011
tert-Butyl alcohol	75-65-0	0.071	0.20	2.8	Y	0.172373	01/21/11	0.142173	2/10/2011	0.157018	2/3/2011
Ethanol	64-17-5	0.132	0.20	1.5	Y	0.245140	01/21/11	0.740152	2/10/2011	0.257166	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	5							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,4-Dioxane	123-91-1	0.088	0.32	3.6	Y	0.312989	01/21/11	0.229685	2/10/2011	0.251385	2/3/2011
Naphthalene	91-20-3	0.086	0.32	3.7	Y	0.283616	01/21/11	0.196197	2/10/2011	0.187375	2/3/2011
1,2,3-Trichlorobenzene	87-61-6	0.086	0.32	3.7	Y	0.397521	01/21/11	0.210696	2/10/2011	0.244996	2/3/2011
n-Dodecane	112-40-3	0.085	0.32	3.8	Y	0.430361	01/21/11	0.310593	2/10/2011	0.427240	2/3/2011
n-Butanol	71-36-3	0.133	0.32	2.4	Y	0.359139	01/21/11	0.177655	2/10/2011	0.221147	2/3/2011

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
1,1,1-Trichloroethane	71-55-6	0.2	0.2	1.0	90-116	30	Y	0.224243	112%	0.201791	101%	0.222206	111%
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.2	1.0	68-112	30	Y	0.193282	97%	0.207704	104%	0.232122	116%
1,1,2-Trichloroethane	79-00-5	0.2	0.2	1.0	77-110	30	Y	0.221939	111%	0.192304	96%	0.226027	113%
1,1-Dichloroethane	75-34-3	0.2	0.2	1.0	91-118	30	Y	0.223561	112%	0.228705	114%	0.233306	117%
1,1-Dichloroethene	75-35-4	0.2	0.2	1.0	86-138	30	Y	0.247420	124%	0.218630	109%	0.225226	113%
1,2,3-Trichlorobenzene	87-61-6	0.2	0.2	1.0	50-150	30	Y	0.307038	154%	0.164839	82%	0.140893	70%
1,2,3-Trichloropropane	96-18-4	0.5	0.5	1.0	78-115	30	Y	0.449700	90%	0.485953	97%	0.467246	93%
1,2,4-Trichlorobenzene	120-82-1	0.5	0.5	1.0	50-150	30	Y	0.588211	118%	0.432226	86%	0.339711	68%
1,2,4-Trimethylbenzene	95-63-6	0.2	0.2	1.0	50-114	30	Y	0.189765	95%	0.199772	100%	0.215847	108%
1,2-Dibromoethane	106-93-4	0.2	0.2	1.0	65-110	30	Y	0.203231	102%	0.166365	83%	0.200654	100%
1,2-Dichlorobenzene	95-50-1	0.2	0.2	1.0	47-112	30	Y	0.214869	107%	0.180392	90%	0.194258	97%
1,2-Dichloroethane	107-06-2	0.2	0.2	1.0	84-123	30	Y	0.241648	121%	0.212377	106%	0.224656	112%
1,2-Dichloropropane	78-87-5	0.2	0.2	1.0	80-116	30	Y	0.219895	110%	0.221459	111%	0.229479	115%
1,2-Dichlorotetrafluoroethane	76-14-2	0.2	0.2	1.0	84-131	30	Y	0.204000	102%	0.232867	116%	0.250708	125%
1,3,5-Trimethylbenzene	108-67-8	0.2	0.2	1.0	63-112	30	Y	0.187022	94%	0.200650	100%	0.224006	112%
1,3-Butadiene	106-99-0	0.2	0.2	1.0	78-132	30	Y	0.160294	80%	0.217902	109%	0.224522	112%
1,3-Dichlorobenzene	541-73-1	0.2	0.2	1.0	52-111	30	Y	0.230745	115%	0.174296	87%	0.186292	93%
1,4-Dichlorobenzene	106-46-7	0.2	0.2	1.0	42-116	30	Y	0.227875	114%	0.165182	83%	0.168982	84%
1,4-Dioxane	123-91-1	5.0	5.0	1.0	57-123	30	Y	4.349695	87%	5.142641	103%	5.238548	105%
2,2,4-Trimethylpentane	540-84-1	0.2	0.2	1.0	78-120	30	Y	0.214485	107%	0.231321	116%	0.227445	114%
2-Chlorotoluene	95-49-8	0.2	0.2	1.0	73-119	30	Y	0.201446	101%	0.213832	107%	0.230210	115%
3-Chloropropene	107-05-1	0.2	0.2	1.0	77-124	30	Y	0.208368	104%	0.239338	120%	0.235632	118%
4-Ethyltoluene	622-96-8	0.2	0.2	1.0	59-112	30	Y	0.190825	95%	0.199504	100%	0.201852	101%
4-Isopropyltoluene	99-87-6	0.2	0.2	1.0	47-112	30	Y	0.187577	94%	0.182880	91%	0.206279	103%
Acetone	67-64-1	5.0	5.0	1.0	50-150	30	Y	5.918625	118%	6.493141	130%	5.637133	113%
Acetonitrile	75-05-8	5.0	5.0	1.0	48-160	30	Y	4.913922	98%	5.646111	113%	4.861316	97%
Acrolein	107-02-8	5.0	5.0	1.0	59-100	30	Y	4.627458	93%	5.012252	100%	4.962316	99%
Acrylonitrile	107-13-1	0.5	0.5	1.0	50-150	30	Y	0.385763	77%	0.491138	98%	0.403010	81%
Alpha Methyl Styrene	98-83-9	0.2	0.2	1.0	50-150	30	Y	0.153780	77%	0.140370	70%	0.144196	72%
Benzene	71-43-2	0.2	0.2	1.0	90-121	30	Y	0.205509	103%	0.224604	112%	0.244505	122%
Benzyl chloride	100-44-7	0.2	0.2	1.0	24-116	30	Y	0.206416	103%	0.175981	88%	0.145228	73%
Bromodichloromethane	75-27-4	0.2	0.2	1.0	75-114	30	Y	0.197490	99%	0.185259	93%	0.199157	100%
Bromoethene(Vinyl Bromide)	593-60-2	0.2	0.2	1.0	81-130	30	Y	0.173484	87%	0.231701	116%	0.227505	114%
Bromoform	75-25-2	0.2	0.2	1.0	29-122	30	Y	0.173542	87%	0.120515	60%	0.161853	81%
Bromomethane	74-83-9	0.2	0.2	1.0	80-129	30	Y	0.180027	90%	0.231508	116%	0.241877	121%
Carbon disulfide	75-15-0	0.5	0.5	1.0	56-153	30	Y	0.408781	82%	0.450766	90%	0.473903	95%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
Carbon tetrachloride	56-23-5	0.2	0.2	1.0	70-110	30	Y	0.212677	106%	0.186546	93%	0.207356	104%
Chlorobenzene	108-90-7	0.2	0.2	1.0	78-114	30	Y	0.224586	112%	0.207436	104%	0.227466	114%
Chloroethane	75-00-3	0.5	0.5	1.0	82-136	30	Y	0.403171	81%	0.480467	96%	0.517378	103%
Chloroform	67-66-3	0.2	0.2	1.0	92-116	30	Y	0.233150	117%	0.221495	111%	0.228551	114%
Chloromethane	74-87-3	0.5	0.5	1.0	87-142	30	Y	0.523856	105%	0.589980	118%	0.596782	119%
cis-1,2-Dichloroethene	156-59-2	0.2	0.2	1.0	82-123	30	Y	0.224498	112%	0.216420	108%	0.232892	116%
cis-1,3-Dichloropropene	10061-01-5	0.2	0.2	1.0	64-117	30	Y	0.229791	115%	0.193260	97%	0.205483	103%
Cumene	98-82-8	0.2	0.2	1.0	68-115	30	Y	0.181504	91%	0.188121	94%	0.227125	114%
Cyclohexane	110-82-7	0.2	0.2	1.0	79-116	30	Y	0.193046	97%	0.213648	107%	0.223421	112%
Dibromochloromethane	124-48-1	0.2	0.2	1.0	58-112	30	Y	0.179346	90%	0.146384	73%	0.176085	88%
Dibromomethane	74-95-3	0.2	0.2	1.0	71-122	30	Y	0.207763	104%	0.166587	83%	0.205032	103%
Dichlorodifluoromethane	75-71-8	0.5	0.5	1.0	83-139	30	Y	0.558694	112%	0.550061	110%	0.596060	119%
Ethanol	64-17-5	5.0	5.0	1.0	64-136	30	Y	5.136704	103%	5.786793	116%	4.756761	95%
Ethyl acetate	141-78-6	5.0	5.0	1.0	39-122	30	Y	4.324479	86%	4.764036	95%	4.773995	95%
Ethyl ether	60-29-7	0.2	0.2	1.0	75-125	30	Y	0.200119	100%	0.229351	115%	0.223428	112%
Ethylbenzene	100-41-4	0.2	0.2	1.0	77-118	30	Y	0.210445	105%	0.210191	105%	0.231464	116%
Freon 22	75-45-6	0.5	0.5	1.0	83-145	30	Y	0.564825	113%	0.561066	112%	0.600311	120%
Freon TF	76-13-1	0.2	0.2	1.0	96-123	30	Y	0.201876	101%	0.212962	106%	0.234259	117%
Hexachlorobutadiene	87-68-3	0.2	0.2	1.0	28-133	30	Y	0.264678	132%	0.181954	91%	0.219664	110%
Isopentane	78-78-4	0.2	0.2	1.0	57-176	30	Y	0.194833	97%	0.271245	136%	0.262581	131%
Isopropyl alcohol	67-63-0	5.0	5.0	1.0	68-124	30	Y	4.550384	91%	5.591147	112%	5.159520	103%
m,p-Xylene	179601-23-1	0.5	1.0	2.0	71-116	30	Y	0.832534	83%	0.859363	86%	0.860728	86%
Methyl Butyl Ketone (2-Hexanor	591-78-6	0.5	0.5	1.0	52-119	30	Y	0.411362	82%	0.400978	80%	0.361382	72%
Methyl Ethyl Ketone	78-93-3	0.5	0.5	1.0	66-128	30	Y	0.506375	101%	0.542444	108%	0.471670	94%
Methyl isobutyl ketone	108-10-1	0.5	0.5	1.0	56-122	30	Y	0.428107	86%	0.424421	85%	0.366125	73%
Methyl methacrylate	80-62-6	0.5	0.5	1.0	46-114	30	Y	0.345331	69%	0.359670	72%	0.321638	64%
Methyl tert-butyl ether	1634-04-4	0.2	0.2	1.0	79-124	30	Y	0.221673	111%	0.221147	111%	0.220895	110%
Methylene Chloride	75-09-2	0.5	0.5	1.0	104-148	30	Y	0.568666	114%	0.616175	123%	0.597385	119%
Naphthalene	91-20-3	0.5	0.5	1.0	50-150	30	Y	0.588614	118%	0.466549	93%	0.388718	78%
n-Butane	106-97-8	0.5	0.5	1.0	64-160	30	Y	0.520641	104%	0.575332	115%	0.591015	118%
n-Butanol	71-36-3	5.0	5.0	1.0	50-150	30	Y	4.322736	86%	5.057171	101%	5.295719	106%
n-Butylbenzene	104-51-8	0.2	0.2	1.0	30-126	30	Y	0.204675	102%	0.206758	103%	0.176558	88%
n-Decane	124-18-5	0.5	0.5	1.0	32-132	30	Y	0.386283	77%	0.522531	105%	0.386845	77%
n-Dodecane	112-40-3	5.0	5.0	1.0	50-150	30	Y	3.710056	74%	5.240548	105%	6.484273	130%
n-Heptane	142-82-5	0.2	0.2	1.0	67-141	30	Y	0.220194	110%	0.238921	119%	0.246257	123%
n-Hexane	110-54-3	0.2	0.2	1.0	63-137	30	Y	0.187081	94%	0.235818	118%	0.224260	112%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
n-Nonane	111-84-2	0.2	0.2	1.0	58-132	30	Y	0.190284	95%	0.226607	113%	0.246383	123%
n-Octane	111-65-9	0.5	0.5	1.0	62-145	30	Y	0.46332	93%	0.514892	103%	0.538633	108%
n-Pentane	109-66-0	0.5	0.5	1.0	50-150	30	Y	0.421204	84%	0.509866	102%	0.516148	103%
n-Propylbenzene	103-65-1	0.2	0.2	1.0	70-114	30	Y	0.185914	93%	0.208836	104%	0.224447	112%
n-Undecane	1120-21-4	5.0	5.0	1.0	50-150	30	Y	3.623529	72%	5.619464	112%	5.308220	106%
Propylene	115-07-1	5.0	5.0	1.0	73-149	30	Y	4.922435	98%	5.055603	101%	5.681467	114%
sec-Butylbenzene	135-98-8	0.2	0.2	1.0	60-113	30	Y	0.182865	91%	0.198786	99%	0.222623	111%
Styrene	100-42-5	0.2	0.2	1.0	42-114	30	Y	0.167723	84%	0.147842	74%	0.179506	90%
tert-Butyl alcohol	75-65-0	5.0	5.0	1.0	68-123	30	Y	4.700971	94%	5.267677	105%	4.913852	98%
tert-Butylbenzene	98-06-6	0.2	0.2	1.0	67-112	30	Y	0.186738	93%	0.198583	99%	0.228708	114%
Tetrachloroethene	127-18-4	0.2	0.2	1.0	72-119	30	Y	0.214762	107%	0.170511	85%	0.228217	114%
Tetrahydrofuran	109-99-9	5.0	5.0	1.0	75-120	30	Y	4.921039	98%	5.022289	100%	5.112919	102%
Toluene	108-88-3	0.2	0.2	1.0	84-118	30	Y	0.229181	115%	0.210748	105%	0.259014	130%
trans-1,2-Dichloroethene	156-60-5	0.2	0.2	1.0	87-117	30	Y	0.216749	108%	0.220213	110%	0.231713	116%
trans-1,3-Dichloropropene	10061-02-6	0.2	0.2	1.0	62-118	30	Y	0.205476	103%	0.186215	93%	0.199710	100%
Trichloroethene	79-01-6	0.2	0.2	1.0	87-115	30	Y	0.210775	105%	0.203494	102%	0.225994	113%
Trichlorofluoromethane	75-69-4	0.2	0.2	1.0	86-129	30	Y	0.216695	108%	0.228253	114%	0.226752	113%
Vinyl acetate	108-05-4	5.0	5.0	1.0	56-119	30	Y	5.017741	100%	5.261298	105%	4.841840	97%
Vinyl chloride	75-01-4	0.2	0.2	1.0	76-138	30	Y	0.186993	93%	0.210830	105%	0.246255	123%
Xylene (total)	1330-20-7	0.2	0.6	3.0	50-150	30	Y	0.588484	98%	0.601556	100%	0.698121	116%
Xylene, o-	95-47-6	0.2	0.2	1.0	69-113	30	Y	0.195831	98%	0.189629	95%	0.236375	118%

Note: Pass = The %R on each instrument is within 50-150%

Method TO15 Low Level - New Jersey

Volatile Organic Compounds - Low level (GC/MS) by New Jersey Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: gghh004.d

Lab ID: LCS 200-34961/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.170 J	85	60-140	
1,2-Dichloroethene, trans-	0.200	0.178 J	89	60-140	
1,2-Dichloroethene, cis-	0.200	0.182 J	91	60-140	
1,1,1-Trichloroethane	0.200	0.157 J	78	60-140	
1,2-Dichloroethane	0.200	0.190 J	95	60-140	
Trichloroethene	0.200	0.192 J	96	60-140	
1,1,2-Trichloroethane	0.200	0.192 J	96	60-140	
Tetrachloroethene	0.200	0.197 J	98	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.166 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: gghh005.d

Lab ID: LCS 200-34961/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.453 J	90	60-140	
Chloroethane	0.500	0.425 J	85	60-140	
Methylene Chloride	0.500	0.504	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ckqr004.d

Lab ID: LCS 200-35378/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.162 J	81	60-140	
1,2-Dichloroethene, trans-	0.200	0.173 J	86	60-140	
1,2-Dichloroethene, cis-	0.200	0.199 J	99	60-140	
1,1,1-Trichloroethane	0.200	0.237	118	60-140	
1,2-Dichloroethane	0.200	0.231	115	60-140	
Trichloroethene	0.200	0.184 J	92	60-140	
1,1,2-Trichloroethane	0.200	0.174 J	87	60-140	
Tetrachloroethene	0.200	0.177 J	88	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.166 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ckqr005.d

Lab ID: LCS 200-35378/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.480 J	96	60-140	
Chloroethane	0.500	0.472 J	94	60-140	
Methylene Chloride	0.500	0.535	107	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ckqw004.d

Lab ID: LCS 200-35786/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.176 J	88	60-140	
1,2-Dichloroethene, trans-	0.200	0.195 J	97	60-140	
1,2-Dichloroethene, cis-	0.200	0.186 J	93	60-140	
1,1,1-Trichloroethane	0.200	0.261	130	60-140	
1,2-Dichloroethane	0.200	0.242	121	60-140	
Trichloroethene	0.200	0.197 J	98	60-140	
1,1,2-Trichloroethane	0.200	0.162 J	81	60-140	
Tetrachloroethene	0.200	0.183 J	91	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.166 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ckqw005.d

Lab ID: LCS 200-35786/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.489 J	98	60-140	
Chloroethane	0.500	0.464 J	93	60-140	
Methylene Chloride	0.500	0.557	111	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: gghh003.d Lab Sample ID: MB 200-34961/3

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

Instrument ID: G.i Date Analyzed: 03/13/2012 11:44

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34961/4	gghh004.d	03/13/2012 12:33
	LCS 200-34961/5	gghh005.d	03/13/2012 13:22
BLDG700 IA-6	200-9750-1	gghh008.d	03/13/2012 16:02
BLDG2700 IA-8	200-9750-2	gghh009.d	03/13/2012 16:51
BLDG2700 IA-9	200-9750-3	gghh010.d	03/13/2012 17:40
BLDG2700 AA-5	200-9750-4	gghh011.d	03/13/2012 18:29
IA-DUP-1	200-9750-6	gghh012.d	03/13/2012 19:19
IA-DUP-2	200-9750-7	gghh013.d	03/13/2012 20:08
AA-DUP-1	200-9750-8	gghh014.d	03/13/2012 20:57
AA-DUP-2	200-9750-9	gghh015.d	03/13/2012 21:46

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ckqr003.d Lab Sample ID: MB 200-35378/3

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

Instrument ID: C.i Date Analyzed: 03/20/2012 14:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35378/4	ckqr004.d	03/20/2012 15:39
	LCS 200-35378/5	ckqr005.d	03/20/2012 16:29
BLDG699 SS-6	200-9750-5	ckqr021.d	03/21/2012 05:48
BLDG699 SS-7	200-9750-10	ckqr022.d	03/21/2012 06:38
BLDG700 SS-8	200-9750-11	ckqr024.d	03/21/2012 08:18
BLDG700 SS-9	200-9750-12	ckqr025.d	03/21/2012 09:07
BLDG700 SS-10	200-9750-13	ckqr026.d	03/21/2012 09:57

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ckqw003.d Lab Sample ID: MB 200-35786/3

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

Instrument ID: C.i Date Analyzed: 03/27/2012 12:17

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35786/4	ckqw004.d	03/27/2012 13:07
	LCS 200-35786/5	ckqw005.d	03/27/2012 14:00
SS-DUP-1	200-9750-14	ckqw011.d	03/27/2012 19:32
BLDG2700 SS-13	200-9750-15	ckqw012.d	03/27/2012 20:22
BLDG2700 SS-14	200-9750-16	ckqw013.d	03/27/2012 21:12
BLDG2700 SS-15	200-9750-17	ckqw014.d	03/27/2012 22:02
SS-DUP-2	200-9750-18	ckqw015.d	03/27/2012 22:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ckqr001.d BFB Injection Date: 03/20/2012

Instrument ID: C.i BFB Injection Time: 12:13

Analysis Batch No.: 35378

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.4	
75	30.0 - 66.0% of mass 95	48.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.6)1
174	50.0 - 120.0% of mass 95	70.3	
175	4.0 - 9.0 % of mass 174	5.0	(7.1)1
176	93.0 - 101.0% of mass 174	67.0	(95.3)1
177	5.0 - 9.0% of mass 176	4.1	(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
	CCVIS 200-35378/2	ckqr002.d	03/20/2012	13:03
	MB 200-35378/3	ckqr003.d	03/20/2012	14:49
	LCS 200-35378/4	ckqr004.d	03/20/2012	15:39
	LCS 200-35378/5	ckqr005.d	03/20/2012	16:29
	LCS 200-35378/6	ckqr006.d	03/20/2012	17:19
BLDG699 SS-6	200-9750-5	ckqr021.d	03/21/2012	05:48
BLDG699 SS-7	200-9750-10	ckqr022.d	03/21/2012	06:38
BLDG700 SS-8	200-9750-11	ckqr024.d	03/21/2012	08:18
BLDG700 SS-9	200-9750-12	ckqr025.d	03/21/2012	09:07
BLDG700 SS-10	200-9750-13	ckqr026.d	03/21/2012	09:57
	CCVC 200-35378/27	ckqr027.d	03/21/2012	10:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ckqw001.d BFB Injection Date: 03/27/2012

Instrument ID: C.i BFB Injection Time: 10:36

Analysis Batch No.: 35786

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.7	
75	30.0 - 66.0% of mass 95	53.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.7)1
174	50.0 - 120.0% of mass 95	69.5	
175	4.0 - 9.0 % of mass 174	4.8	(6.9)1
176	93.0 - 101.0% of mass 174	68.2	(98.1)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 200-35786/2	ckqw002.d	03/27/2012	11:26
	MB 200-35786/3	ckqw003.d	03/27/2012	12:17
	LCS 200-35786/4	ckqw004.d	03/27/2012	13:07
	LCS 200-35786/5	ckqw005.d	03/27/2012	14:00
	LCS 200-35786/6	ckqw006.d	03/27/2012	15:22
SS-DUP-1	200-9750-14	ckqw011.d	03/27/2012	19:32
BLDG2700 SS-13	200-9750-15	ckqw012.d	03/27/2012	20:22
BLDG2700 SS-14	200-9750-16	ckqw013.d	03/27/2012	21:12
BLDG2700 SS-15	200-9750-17	ckqw014.d	03/27/2012	22:02
SS-DUP-2	200-9750-18	ckqw015.d	03/27/2012	22:52
	CCVC 200-35786/28	ckqw028.d	03/28/2012	09:40

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: ggh001.d BFB Injection Date: 03/02/2012

Instrument ID: G.i BFB Injection Time: 14:16

Analysis Batch No.: 34489

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.1	
75	30.0 - 66.0% of mass 95	45.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.6	(0.6)1
174	50.0 - 120.0% of mass 95	95.5	
175	4.0 - 9.0 % of mass 174	6.7	(7.0)1
176	93.0 - 101.0% of mass 174	91.4	(95.8)1
177	5.0 - 9.0% of mass 176	6.1	(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
	IC 200-34489/4	ggh004.d	03/02/2012	16:43
	IC 200-34489/6	ggh006.d	03/02/2012	18:22
	IC 200-34489/7	ggh007.d	03/02/2012	19:11
	ICIS 200-34489/8	ggh008.d	03/02/2012	20:00
	IC 200-34489/9	ggh009.d	03/02/2012	20:48
	IC 200-34489/10	ggh010.d	03/02/2012	21:37
	IC 200-34489/11	ggh011.d	03/02/2012	22:27
	ICV 200-34489/16	ggh016.d	03/03/2012	02:31

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab File ID: gghh001.d BFB Injection Date: 03/13/2012

Instrument ID: G.i BFB Injection Time: 10:00

Analysis Batch No.: 34961

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.3	
75	30.0 - 66.0% of mass 95	44.6	
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	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	103.6	
175	4.0 - 9.0 % of mass 174	7.0	(6.8)1
176	93.0 - 101.0% of mass 174	101.7	(98.2)1
177	5.0 - 9.0% of mass 176	6.7	(6.6)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 200-34961/2	gghh002.d	03/13/2012	10:50
	MB 200-34961/3	gghh003.d	03/13/2012	11:44
	LCS 200-34961/4	gghh004.d	03/13/2012	12:33
	LCS 200-34961/5	gghh005.d	03/13/2012	13:22
	LCS 200-34961/6	gghh006.d	03/13/2012	14:13
BLDG700 IA-6	200-9750-1	gghh008.d	03/13/2012	16:02
BLDG2700 IA-8	200-9750-2	gghh009.d	03/13/2012	16:51
BLDG2700 IA-9	200-9750-3	gghh010.d	03/13/2012	17:40
BLDG2700 AA-5	200-9750-4	gghh011.d	03/13/2012	18:29
IA-DUP-1	200-9750-6	gghh012.d	03/13/2012	19:19
IA-DUP-2	200-9750-7	gghh013.d	03/13/2012	20:08
AA-DUP-1	200-9750-8	gghh014.d	03/13/2012	20:57
AA-DUP-2	200-9750-9	gghh015.d	03/13/2012	21:46
	CCVC 200-34961/23	gghh023.d	03/14/2012	04:17

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Sample No.: CCVIS 200-35378/2 Date Analyzed: 03/20/2012 13:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqr002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		264052	11.07	1506906	12.40	1316382	16.32
UPPER LIMIT		369673	11.40	2109668	12.73	1842935	16.65
LOWER LIMIT		158431	10.74	904144	12.07	789829	15.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35378/3		247796	11.08	1444732	12.40	1262539	16.32
LCS 200-35378/4		232644	11.08	1324256	12.40	1211269	16.32
LCS 200-35378/5		214019	11.08	1213371	12.40	1128680	16.32
LCS 200-35378/6		219097	11.08	1260414	12.40	1196613	16.32
200-9750-5	BLDG699 SS-6	196950	11.07	1126106	12.40	1064914	16.32
200-9750-10	BLDG699 SS-7	194273	11.08	1107342	12.40	959923	16.32
200-9750-11	BLDG700 SS-8	192765	11.07	1099021	12.40	1037785	16.32
200-9750-12	BLDG700 SS-9	176215	11.08	1030009	12.40	1041573	16.32
200-9750-13	BLDG700 SS-10	200497	11.07	1137110	12.40	1059632	16.32

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Sample No.: CCVIS 200-35786/2 Date Analyzed: 03/27/2012 11:26

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqw002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		224381	11.07	1281993	12.40	1213301	16.31
UPPER LIMIT		314133	11.40	1794790	12.73	1698621	16.64
LOWER LIMIT		134629	10.74	769196	12.07	727981	15.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35786/3		215177	11.07	1285355	12.39	1138827	16.32
LCS 200-35786/4		201444	11.07	1151689	12.38	1069112	16.31
LCS 200-35786/5		200884	11.08	1164967	12.39	1054781	16.31
LCS 200-35786/6		178164	11.07	1029782	12.39	1039249	16.31
200-9750-14	SS-DUP-1	175398	11.07	1010294	12.39	925794	16.31
200-9750-15	BLDG2700 SS-13	169270	11.08	971280	12.39	924950	16.31
200-9750-16	BLDG2700 SS-14	163730	11.07	947412	12.40	904077	16.31
200-9750-17	BLDG2700 SS-15	169416	11.07	979282	12.40	909329	16.32
200-9750-18	SS-DUP-2	162678	11.07	947890	12.39	862041	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Sample No.: ICIS 200-34489/8 Date Analyzed: 03/02/2012 20:00

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggh008.d Heated Purge: (Y/N) N

Calibration ID: 13808

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		775804	10.43	2686891	11.79	2382572	15.80
UPPER LIMIT		1086126	10.76	3761647	12.12	3335601	16.13
LOWER LIMIT		465482	10.10	1612135	11.46	1429543	15.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34489/16		803895	10.43	2778369	11.79	2774899	15.80

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Sample No.: CCVIS 200-34961/2 Date Analyzed: 03/13/2012 10:50

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gghh002.d Heated Purge: (Y/N) N

Calibration ID: 13808

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		783771	10.42	3093858	11.78	2858643	15.79
UPPER LIMIT		1097279	10.75	4331401	12.11	4002100	16.12
LOWER LIMIT		470263	10.09	1856315	11.45	1715186	15.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34961/3		757745	10.42	3461194	11.78	2715122	15.79
LCS 200-34961/4		809755	10.42	3164069	11.78	2745353	15.79
LCS 200-34961/5		738945	10.42	2922370	11.78	2500569	15.79
LCS 200-34961/6		709143	10.42	2364300	11.77	2368960	15.79
200-9750-1	BLDG700 IA-6	746658	10.42	2988888	11.78	2554536	15.79
200-9750-2	BLDG2700 IA-8	709834	10.42	2991739	11.78	2610653	15.79
200-9750-3	BLDG2700 IA-9	729889	10.42	2980532	11.78	2595661	15.79
200-9750-4	BLDG2700 AA-5	741067	10.42	2909128	11.78	2534581	15.79
200-9750-6	IA-DUP-1	697000	10.42	2870767	11.78	2493570	15.79
200-9750-7	IA-DUP-2	727543	10.42	2979964	11.78	2622769	15.79
200-9750-8	AA-DUP-1	748264	10.42	2956469	11.78	2503784	15.79
200-9750-9	AA-DUP-2	712009	10.42	2936253	11.77	2495523	15.79

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG700 IA-6 Lab Sample ID: 200-9750-1

Matrix: Air Lab File ID: gghh008.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:51

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 16:02

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.51		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-1
Client Smp ID: BLDG700 IA-6
Inj Date : 13-MAR-2012 16:02
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-1
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
	QUANT SIG					ON-COLUMN	FINAL
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb v/v)	(ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.311	4.311	(0.414)	36932	0.50677	0.51
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.157	6.173	(0.591)	68374	0.23739	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	7.419	7.414	(0.712)	1325373	14.9447	15
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

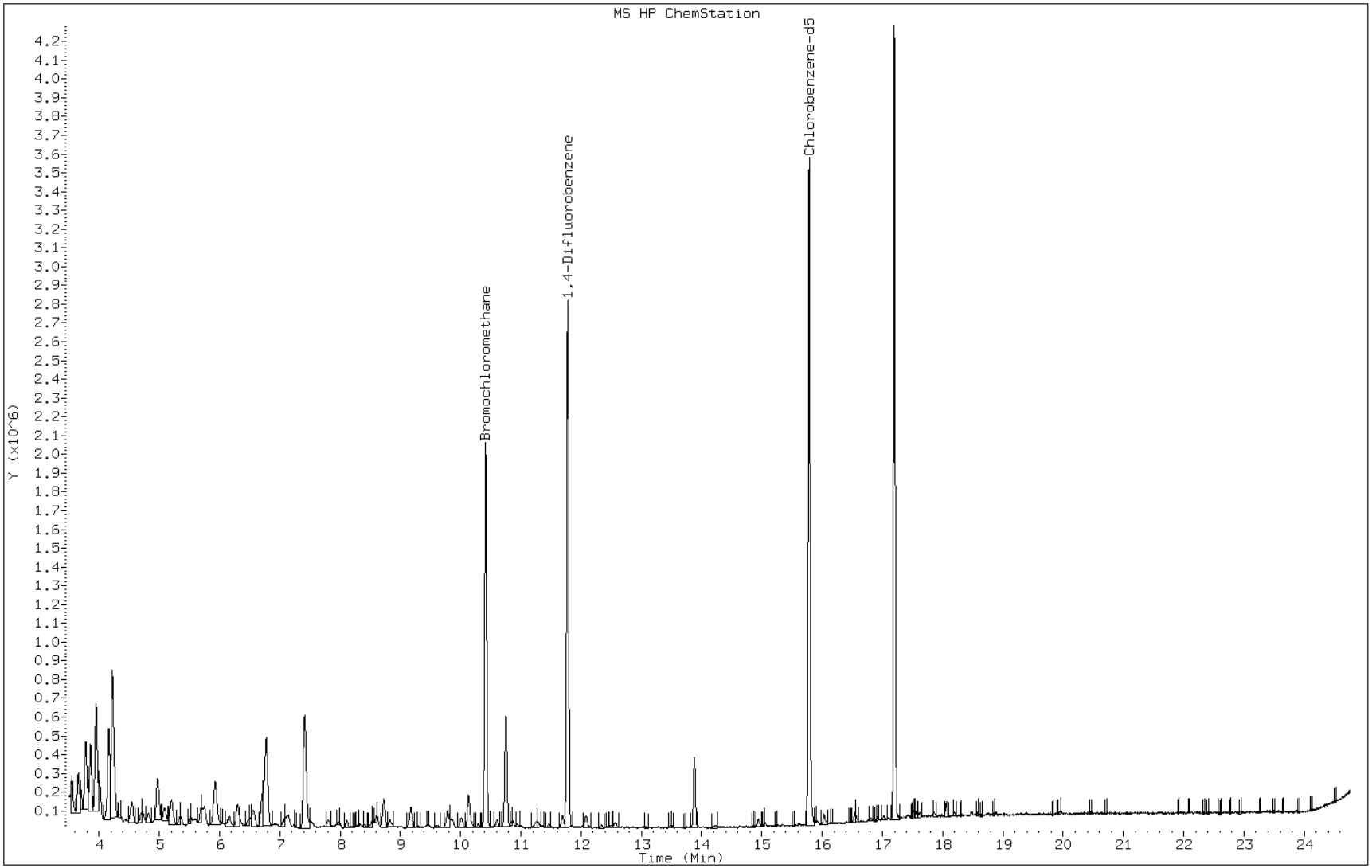
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	8.826	8.837	(0.847)	25387	0.26946	0.27
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.116	10.100	(0.971)	38486	1.35522	1.4(Q)
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	746658	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	10.758	10.774	(0.913)	342022	3.45099	3.5
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2988888	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.882	13.898	(0.879)	201311	1.67788	1.7
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2554536	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	18.060	18.071	(1.144)	52223	0.21751	0.22
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh008.d	Date:	13-MAR-2012 16:02
Client ID:	BLDG700 IA-6	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-1		
Lab Sample ID:	200-9750-1		



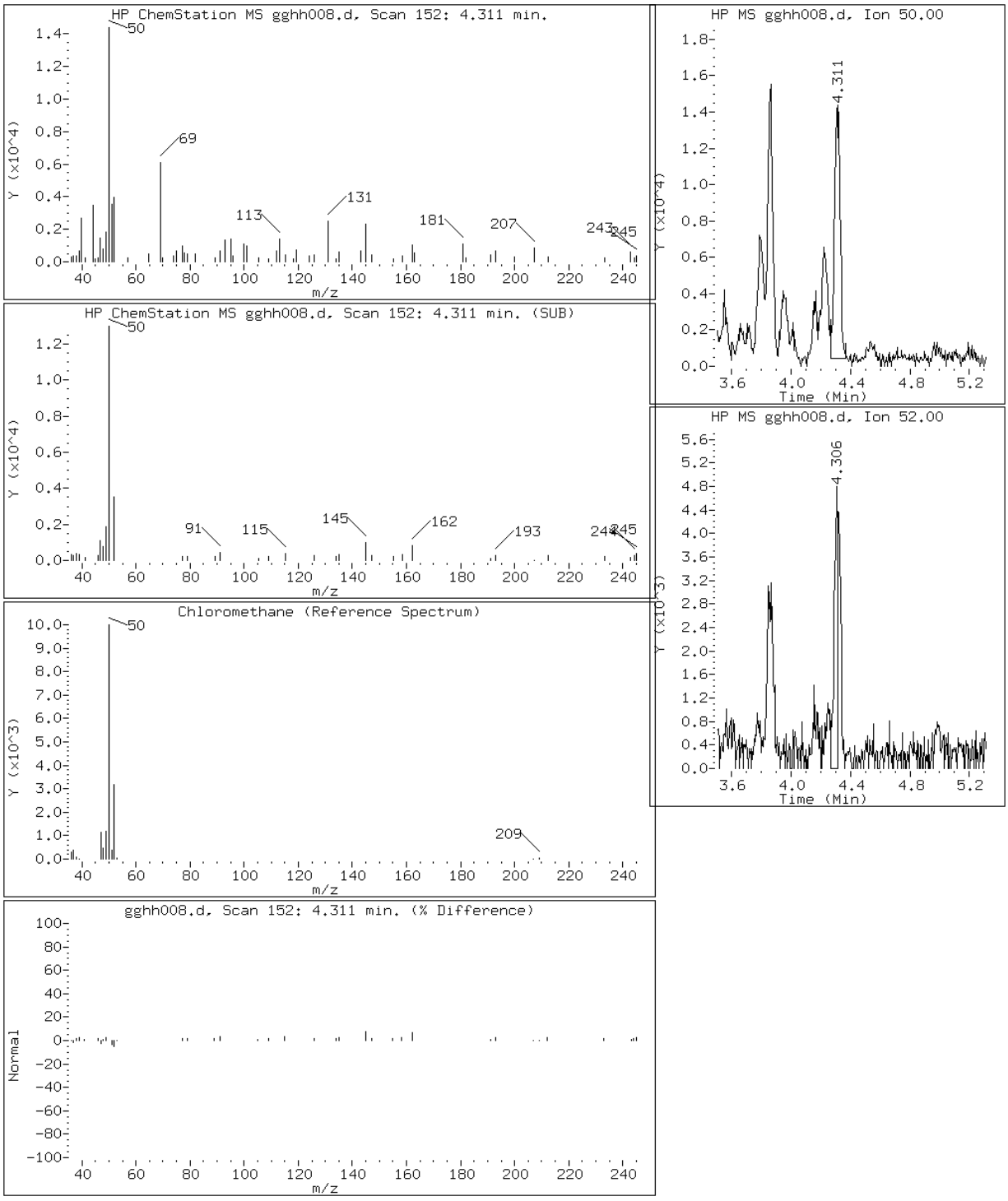
Data File: gghh008.d

Lab Sample ID: 200-9750-1 Date: 13-MAR-2012 16:02

Client ID: BLDG700 IA-6 Instrument: G.i

Sample Info: 200-9750-A-1 Operator: pad

5 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 IA-8 Lab Sample ID: 200-9750-2

Matrix: Air Lab File ID: gghh009.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 16:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-2
Client Smp ID: BLDG2700 IA-8
Inj Date : 13-MAR-2012 16:51
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-2
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.162	6.173	(0.592)	64866	0.23689	0.24
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

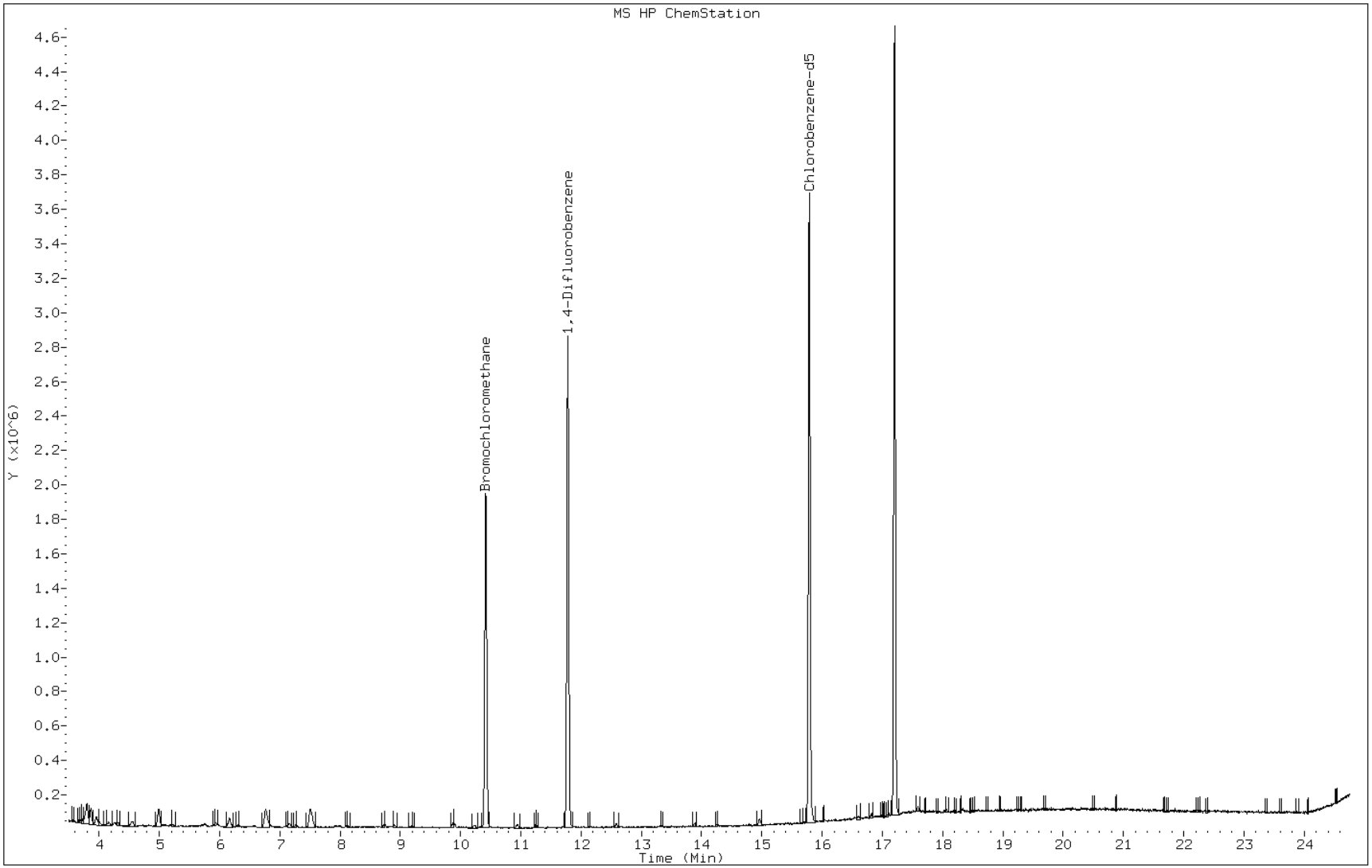
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	709834	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	10.945	10.956	(0.929)	16214	0.06281	0.063(a)
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2991739	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2610653	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	gghh009.d	Date:	13-MAR-2012 16:51
Client ID:	BLDG2700 IA-8	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-2		
Lab Sample ID:	200-9750-2		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 IA-9 Lab Sample ID: 200-9750-3

Matrix: Air Lab File ID: gghh010.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:04

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 17:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-3
Client Smp ID: BLDG2700 IA-9
Inj Date : 13-MAR-2012 17:40
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-3
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.327	4.311	(0.415)	35660	0.50056	0.50
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	64469	0.22897	0.23(M)
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

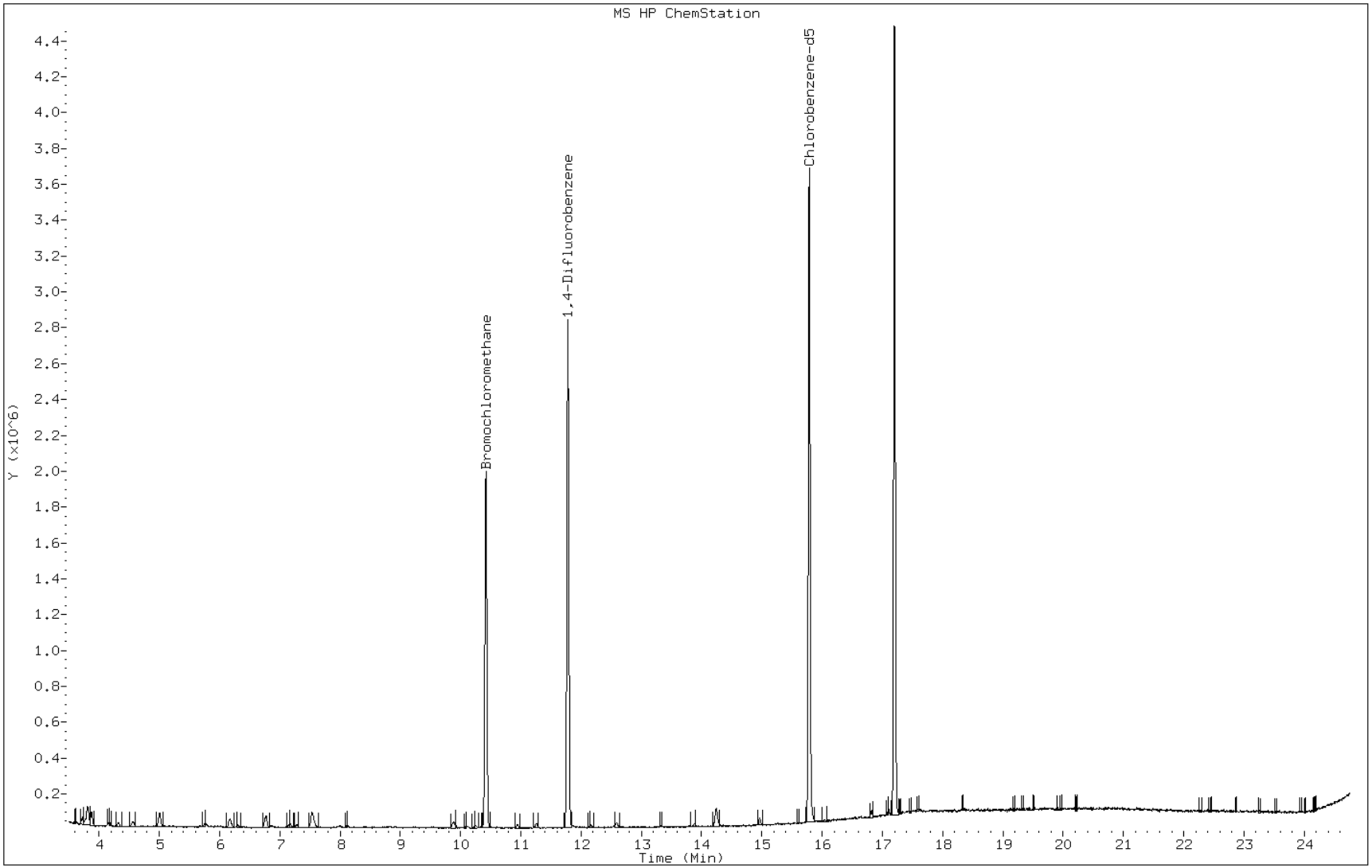
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.421	10.431	(1.000)	729889	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2980532	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2595661	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	gghh010.d	Date:	13-MAR-2012 17:40
Client ID:	BLDG2700 IA-9	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-3		
Lab Sample ID:	200-9750-3		



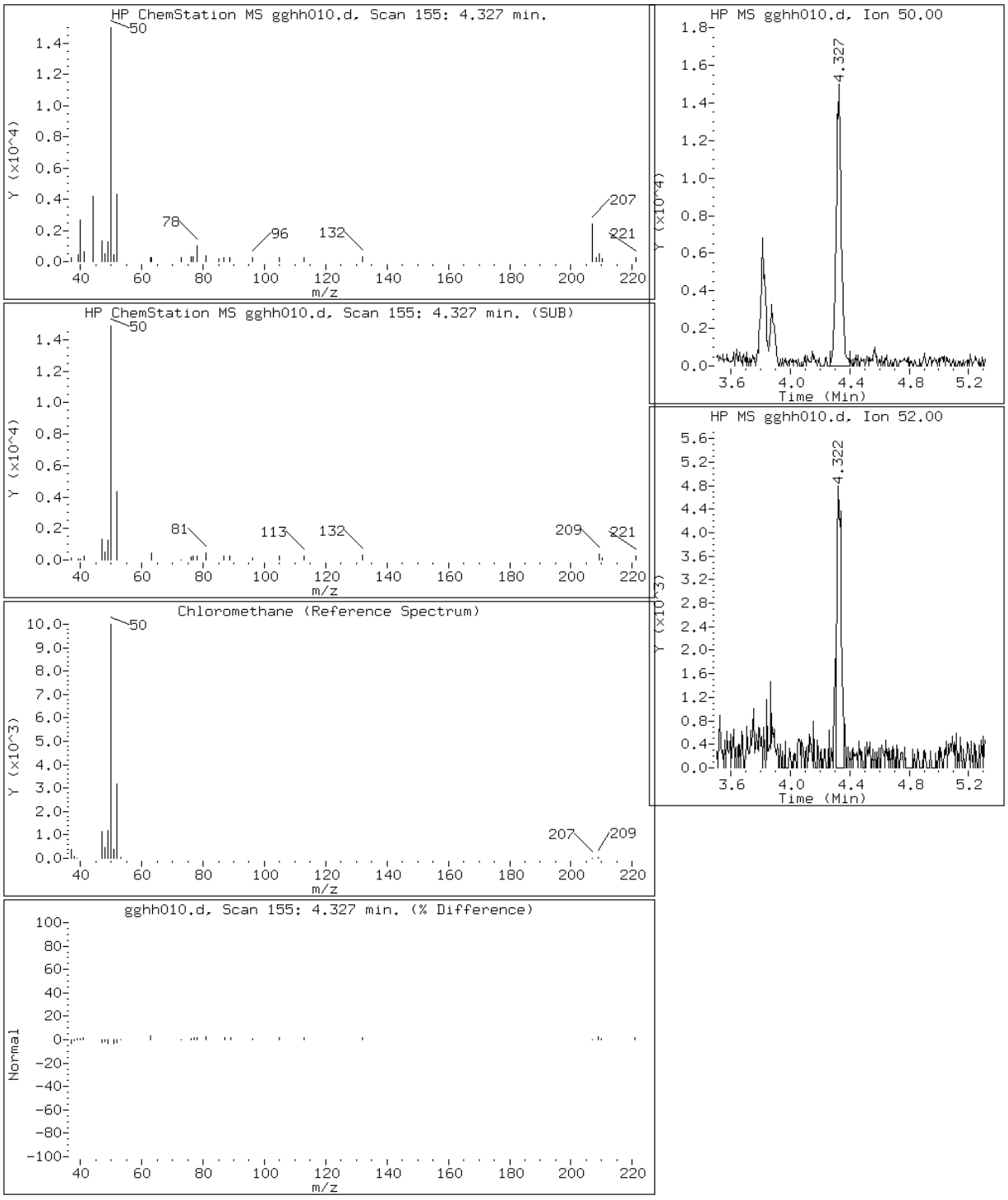
Data File: gghh010.d

Lab Sample ID: 200-9750-3 Date: 13-MAR-2012 17:40

Client ID: BLDG2700 IA-9 Instrument: G.i

Sample Info: 200-9750-A-3 Operator: pad

5 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 AA-5 Lab Sample ID: 200-9750-4

Matrix: Air Lab File ID: gghh011.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 11:17

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 18:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-4
Client Smp ID: BLDG2700 AA-5
Inj Date : 13-MAR-2012 18:29
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-4
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

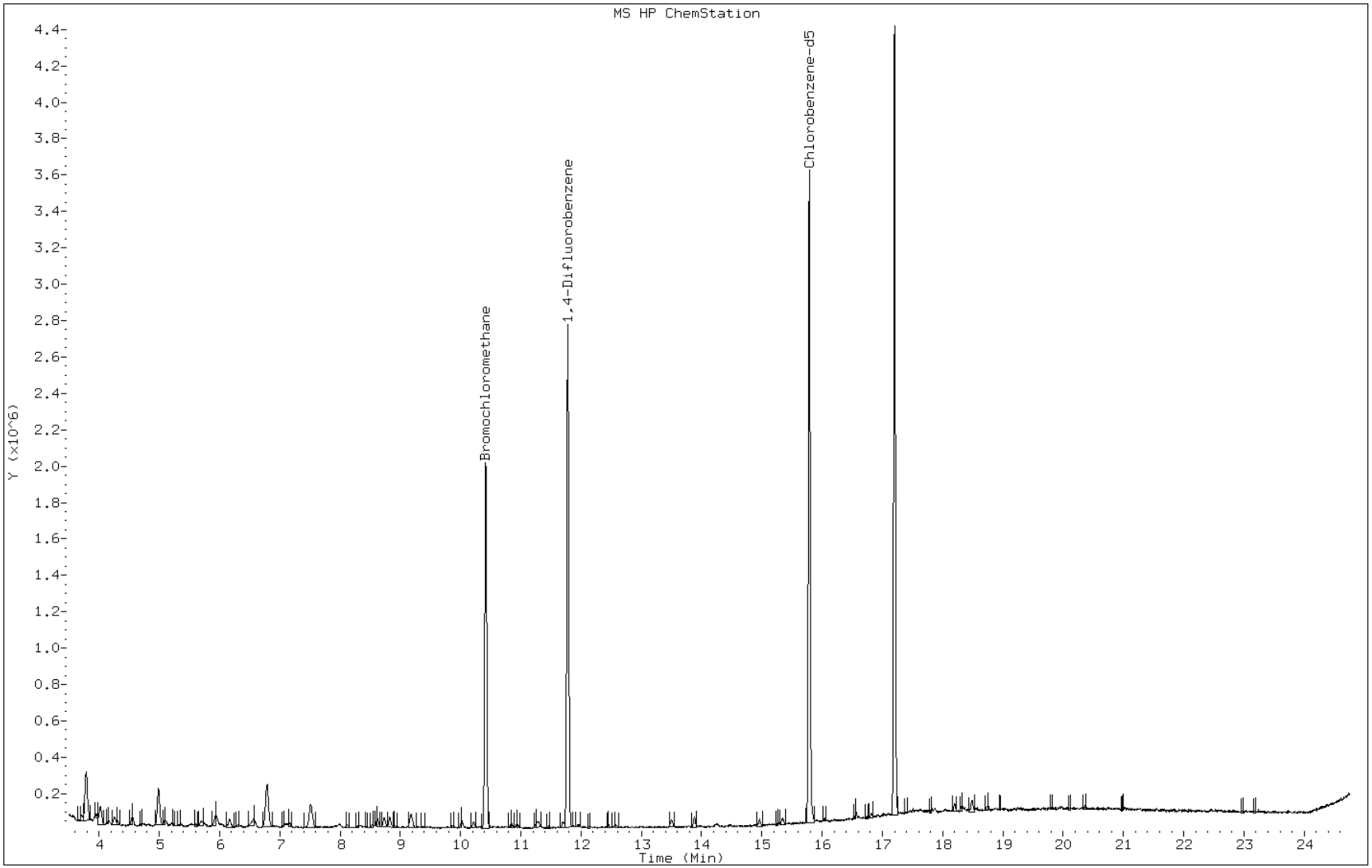
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.311	4.311	(0.414)	35974	0.49735	0.50
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.167	6.173	(0.592)	57250	0.20027	0.20
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	8.832	8.837	(0.848)	35998	0.38497	0.38
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	741067	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2909128	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.882	13.898	(0.879)	26234	0.22038	0.22
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2534581	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	gghh011.d	Date:	13-MAR-2012 18:29
Client ID:	BLDG2700 AA-5	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-4		
Lab Sample ID:	200-9750-4		



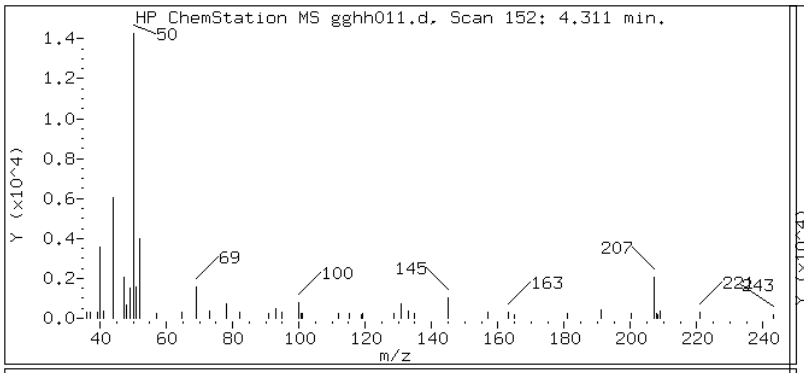
Data File: gghh011.d

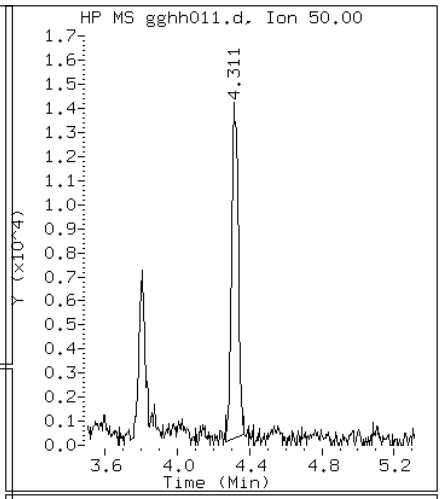
Lab Sample ID: 200-9750-4 Date: 13-MAR-2012 18:29

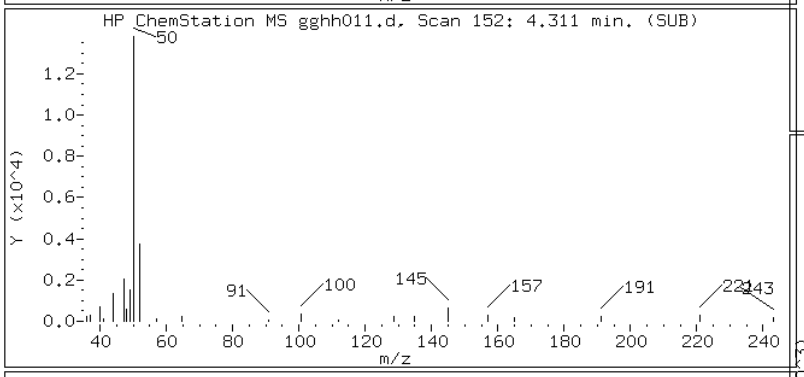
Client ID: BLDG2700 AA-5 Instrument: G.i

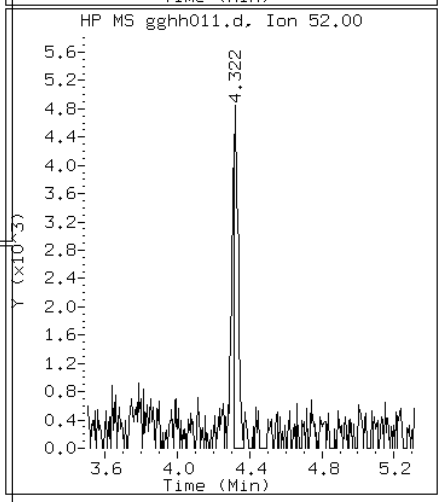
Sample Info: 200-9750-A-4 Operator: pad

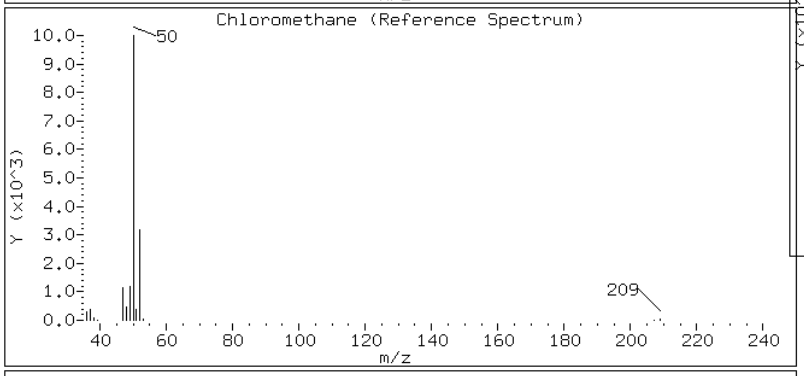
5 Chloromethane

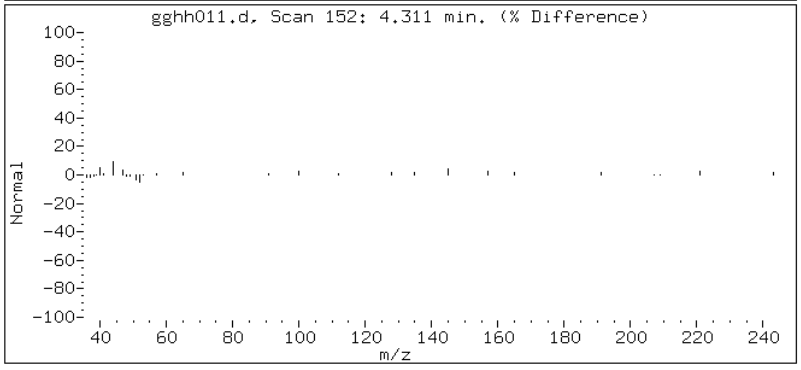












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG699 SS-6 Lab Sample ID: 200-9750-5

Matrix: Air Lab File ID: ckqr021.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 11:25

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 05:48

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	18		2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	32		2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-5
Client Smp ID: BLDG699 SS-6
Inj Date : 21-MAR-2012 05:48
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-5
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

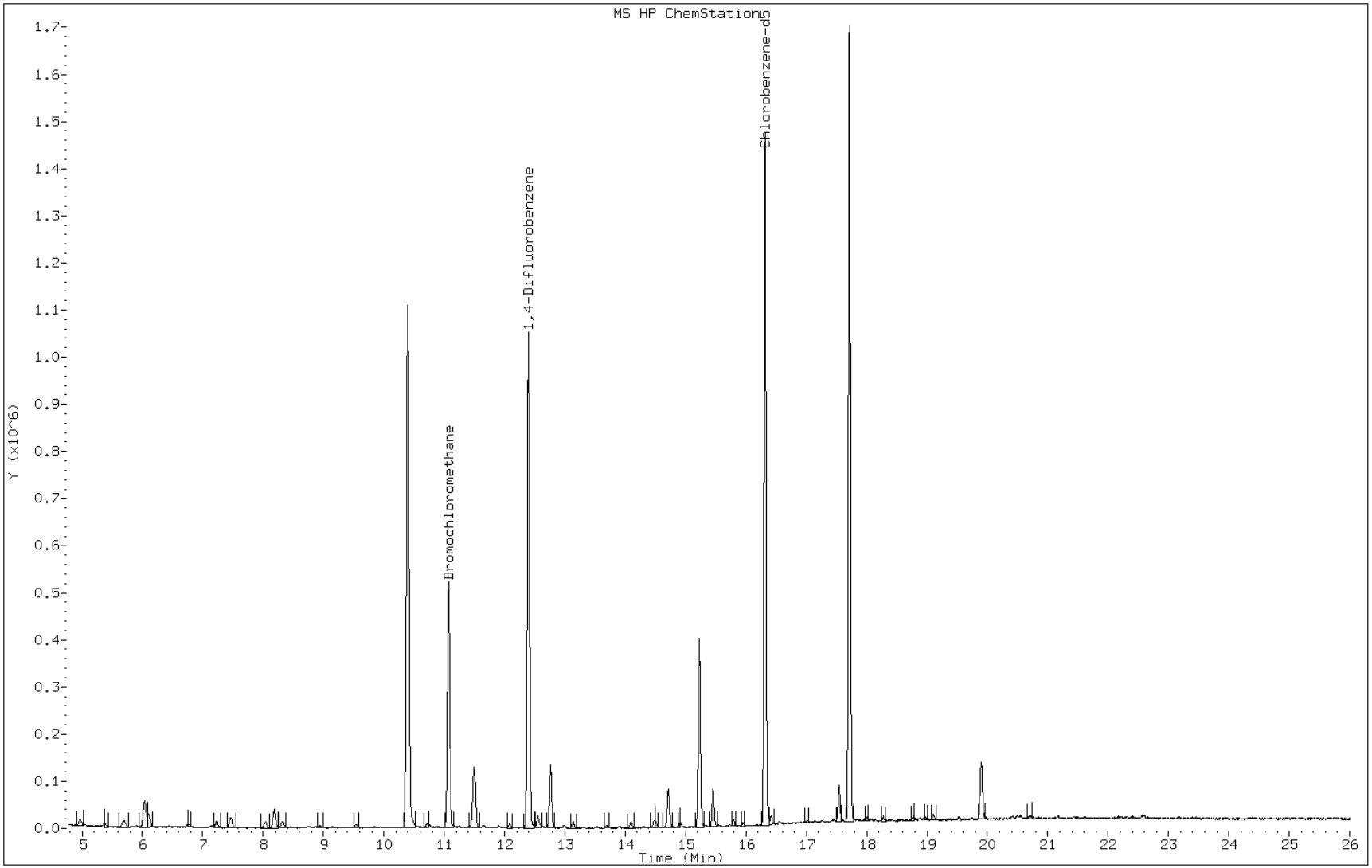
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
23	Allyl chloride	41	Compound Not Detected.						
25	Methylene chloride	49	Compound Not Detected.						
26	Tert-butyl alcohol	59	Compound Not Detected.						
27	Methyl tert-butyl ether	73	Compound Not Detected.						
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.						
30	n-Hexane	57	Compound Not Detected.						
31	1,1-Dichloroethane	63	Compound Not Detected.						
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.						
36	Methyl Ethyl Ketone	72	Compound Not Detected.						
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	196950	10.0000		
38	Tetrahydrofuran	42	Compound Not Detected.						
39	Chloroform	83	Compound Not Detected.						
40	Cyclohexane	84	Compound Not Detected.						
41	1,1,1-Trichloroethane	97	Compound Not Detected.						
42	Carbon tetrachloride	117	Compound Not Detected.						
43	2,2,4-Trimethylpentane	57	Compound Not Detected.						
44	Benzene	78	Compound Not Detected.						
45	1,2-Dichloroethane	62	Compound Not Detected.						
46	n-Heptane	43	Compound Not Detected.						
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1126106	10.0000		
49	Trichloroethene	95	12.764	12.785	(1.030)	64185	1.75258		18
50	1,2-Dichloropropane	63	Compound Not Detected.						
51	Methyl methacrylate	69	Compound Not Detected.						
53	1,4-Dioxane	88	Compound Not Detected.						
54	Bromodichloromethane	83	Compound Not Detected.						
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.						
56	Methyl isobutyl ketone	43	Compound Not Detected.						
58	Toluene	92	Compound Not Detected.						
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.						
60	1,1,2-Trichloroethane	83	Compound Not Detected.						
61	Tetrachloroethene	166	15.224	15.245	(0.933)	151812	3.16439		32
63	Dibromochloromethane	129	Compound Not Detected.						
64	1,2-Dibromoethane	107	Compound Not Detected.						
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1064914	10.0000		
66	Chlorobenzene	112	Compound Not Detected.						
68	Ethylbenzene	91	Compound Not Detected.						
69	Xylene (m,p)	106	Compound Not Detected.						
71	Xylene (o)	106	Compound Not Detected.						
72	Styrene	104	Compound Not Detected.						
73	Bromoform	173	Compound Not Detected.						
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
79	4-Ethyltoluene	105	Compound Not Detected.						
80	2-Chlorotoluene	91	Compound Not Detected.						
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.						
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.						
87	1,3-Dichlorobenzene	146	Compound Not Detected.						
88	1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr021.d	Date:	21-MAR-2012 05:48
Client ID:	BLDG699 SS-6	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-5		
Lab Sample ID:	200-9750-5		



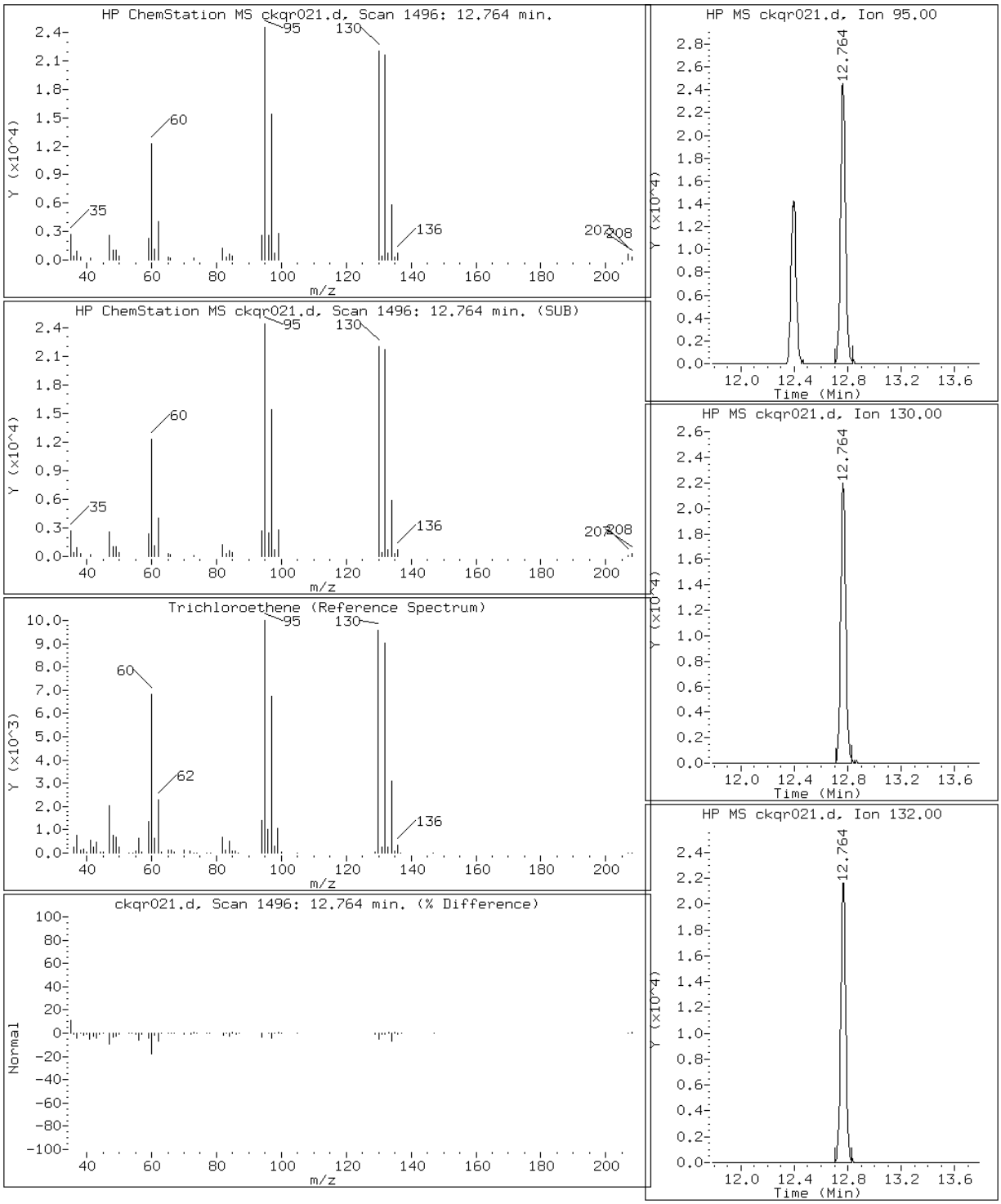
Data File: ckqr021.d

Lab Sample ID: 200-9750-5 Date: 21-MAR-2012 05:48

Client ID: BLDG699 SS-6 Instrument: C.i

Sample Info: 200-9750-A-5 Operator: pad

49 Trichloroethene



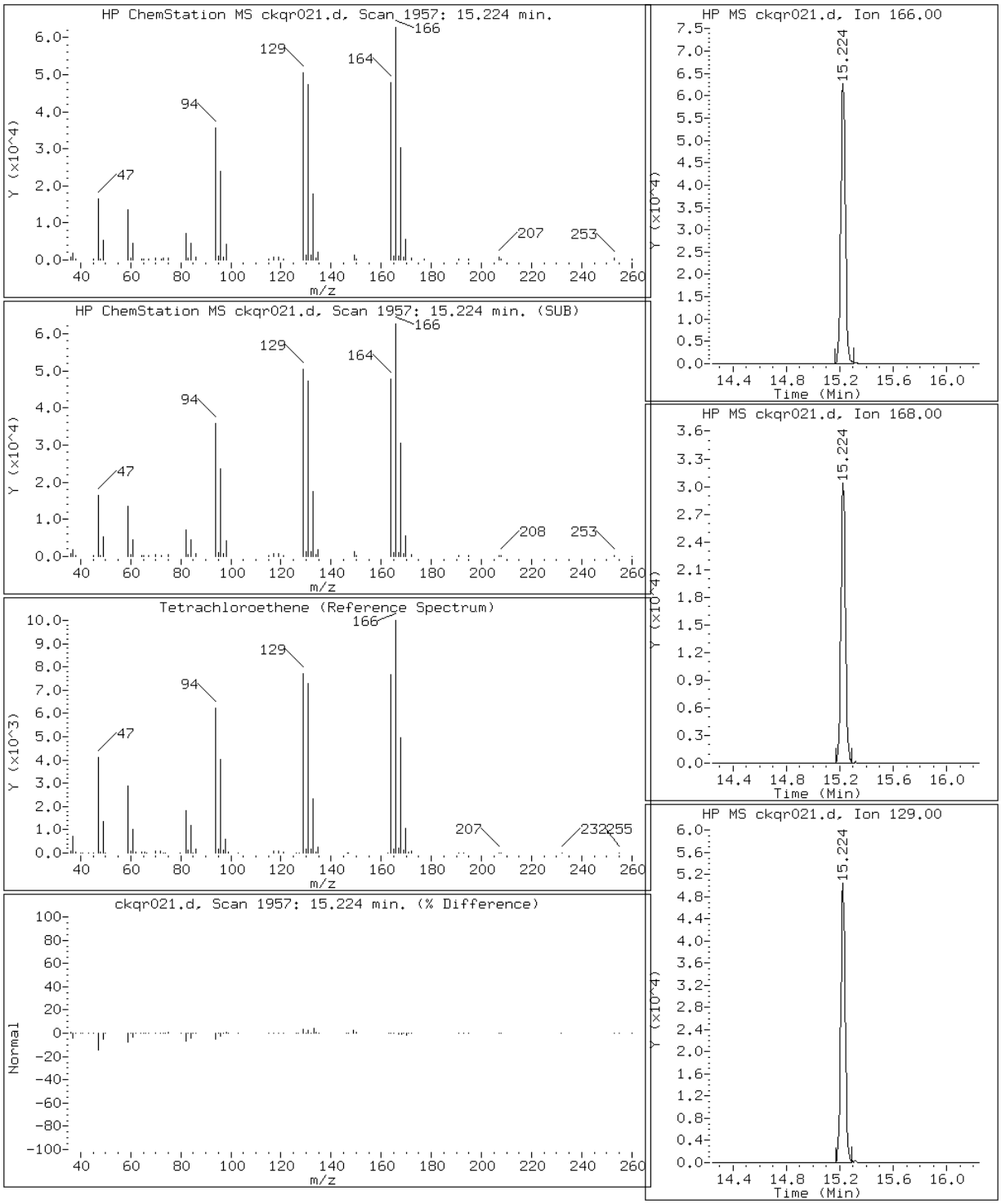
Data File: ckqr021.d

Lab Sample ID: 200-9750-5 Date: 21-MAR-2012 05:48

Client ID: BLDG699 SS-6 Instrument: C.i

Sample Info: 200-9750-A-5 Operator: pad

61 Tetrachloroethene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: IA-DUP-1 Lab Sample ID: 200-9750-6

Matrix: Air Lab File ID: gghh012.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:41

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 19:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-6
Client Smp ID: IA-DUP-1
Inj Date : 13-MAR-2012 19:19
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-6
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.167	6.173	(0.592)	56538	0.21028	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	7.430	7.414	(0.713)	598002	7.22338	7.2
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

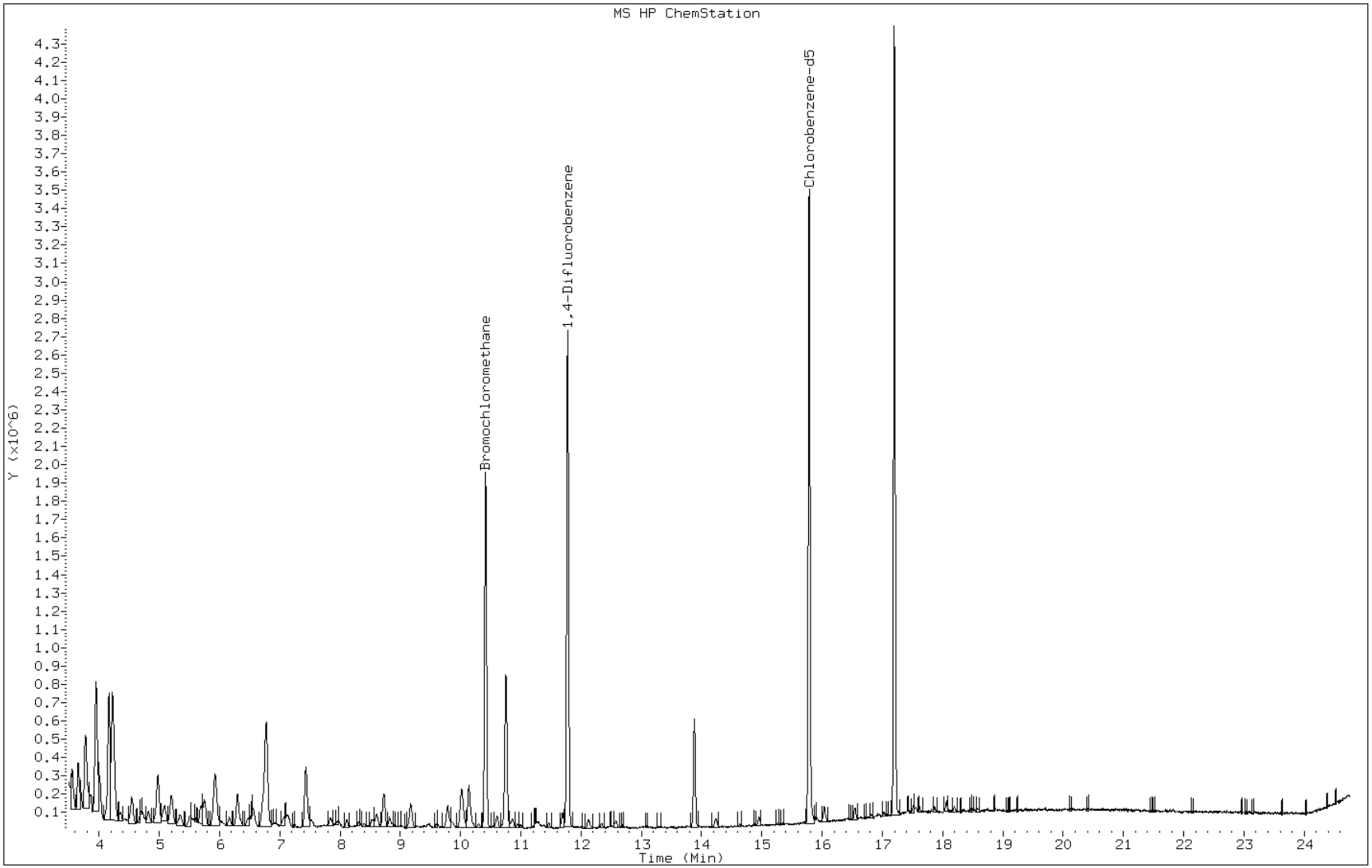
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	8.826	8.837	(0.847)	32815	0.37312	0.37
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.132	10.100	(0.973)	41667	1.57177	1.6(Q)
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	697000	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	10.758	10.774	(0.913)	478024	5.02170	5.0
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2870767	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.882	13.898	(0.879)	330938	2.82573	2.8
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2493570	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh012.d	Date:	13-MAR-2012 19:19
Client ID:	IA-DUP-1	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-6		
Lab Sample ID:	200-9750-6		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: IA-DUP-2 Lab Sample ID: 200-9750-7

Matrix: Air Lab File ID: gghh013.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 11:20

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 20:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-7
Client Smp ID: IA-DUP-2
Inj Date : 13-MAR-2012 20:08
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-7
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	65340	0.23281	0.23
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

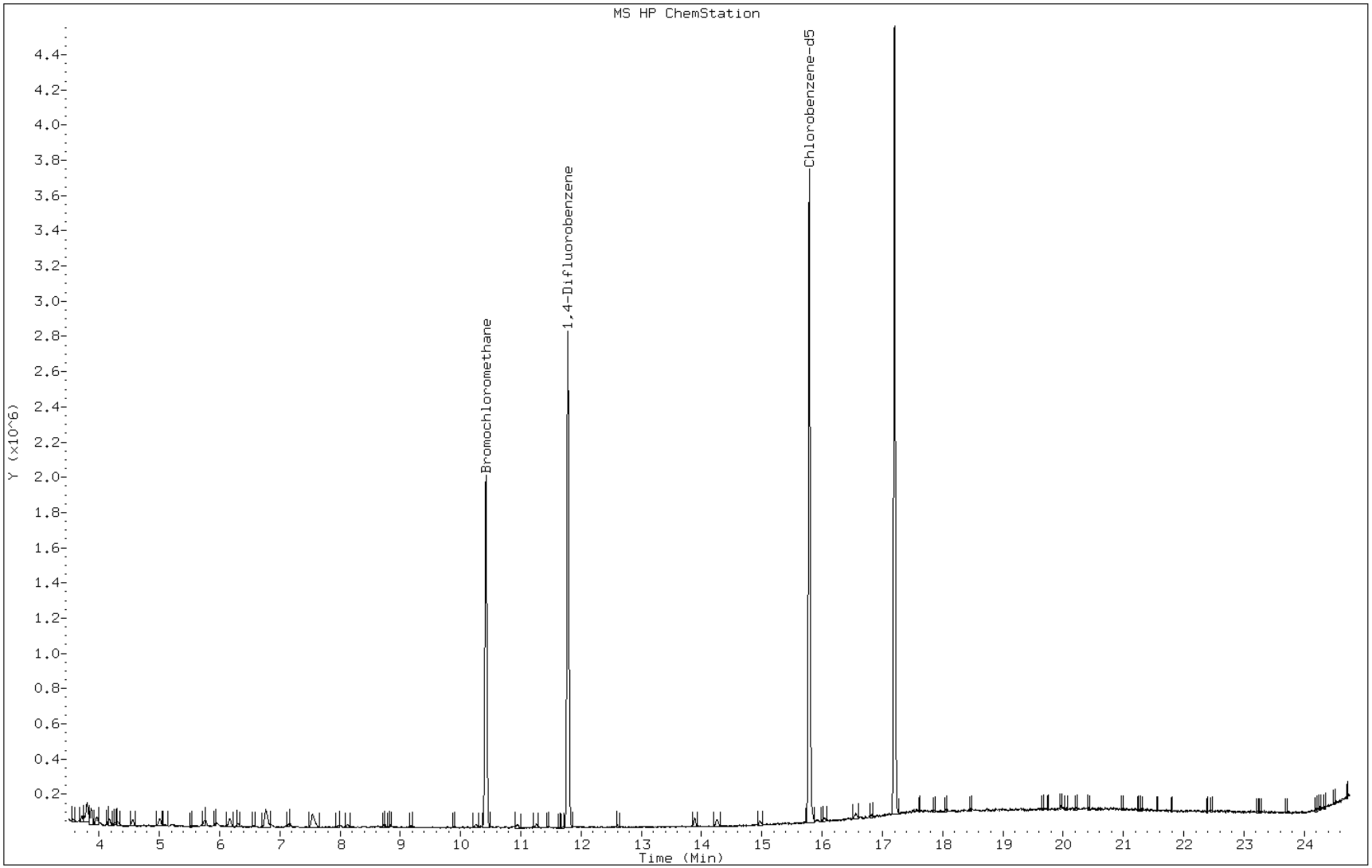
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.421	10.431	(1.000)	727543	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2979964	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.887	13.898	(0.880)	25028	0.20318	0.20(Q)
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2622769	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh013.d	Date:	13-MAR-2012 20:08
Client ID:	IA-DUP-2	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-7		
Lab Sample ID:	200-9750-7		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: AA-DUP-1 Lab Sample ID: 200-9750-8

Matrix: Air Lab File ID: gghh014.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:15

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 20:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.51		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-8
Client Smp ID: AA-DUP-1
Inj Date : 13-MAR-2012 20:57
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-8
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.316	4.311	(0.414)	37564	0.51434	0.51
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.162	6.173	(0.591)	56753	0.19662	0.20
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

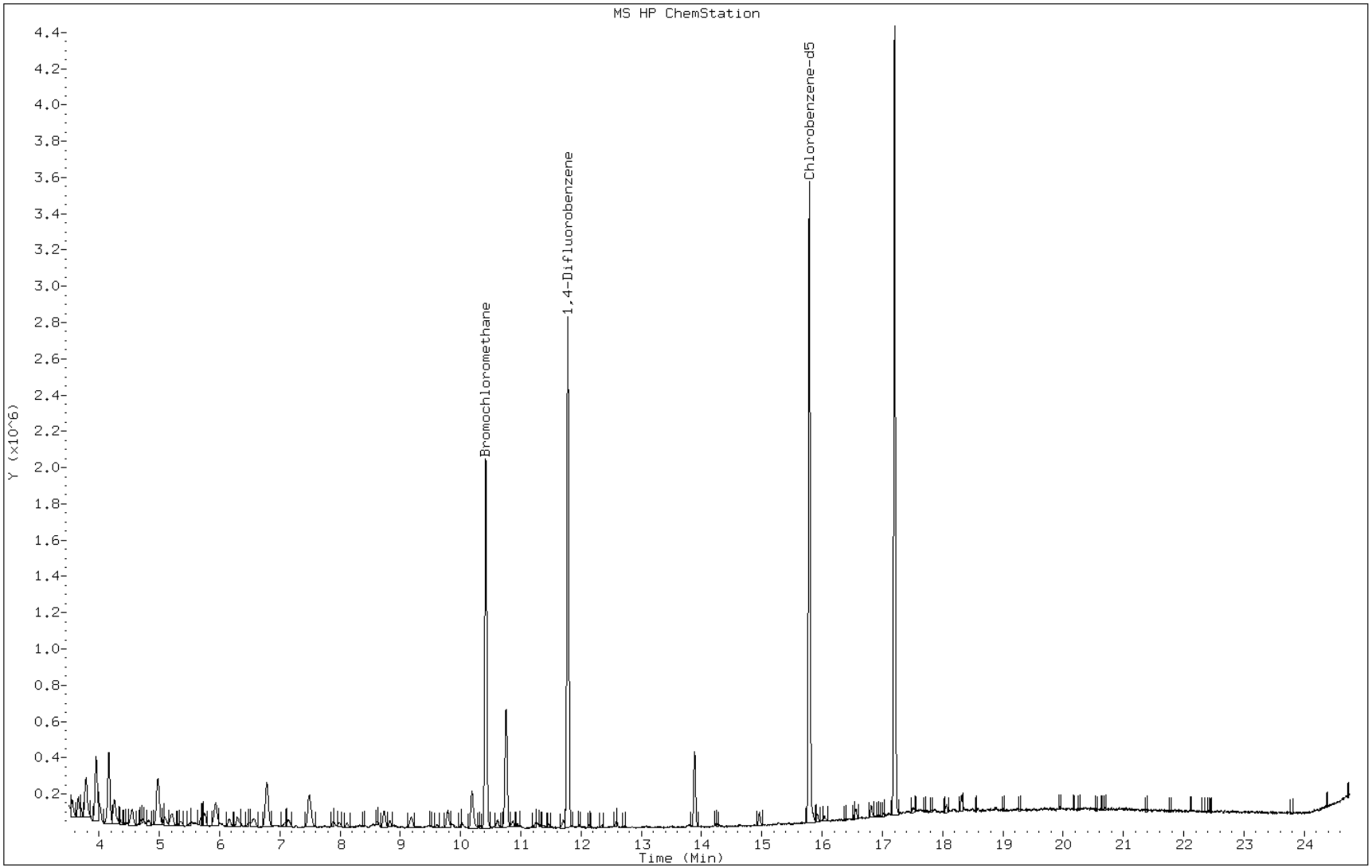
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	8.826	8.837	(0.847)	23501	0.24891	0.25
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.206	10.100	(0.979)	33446	1.17522	1.2(Q)
* 37	Bromochloromethane	128	10.420	10.431	(1.000)	748264	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	10.752	10.774	(0.913)	376156	3.83702	3.8
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2956469	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	13.887	13.898	(0.880)	226574	1.92672	1.9
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2503784	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh014.d	Date:	13-MAR-2012 20:57
Client ID:	AA-DUP-1	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-8		
Lab Sample ID:	200-9750-8		



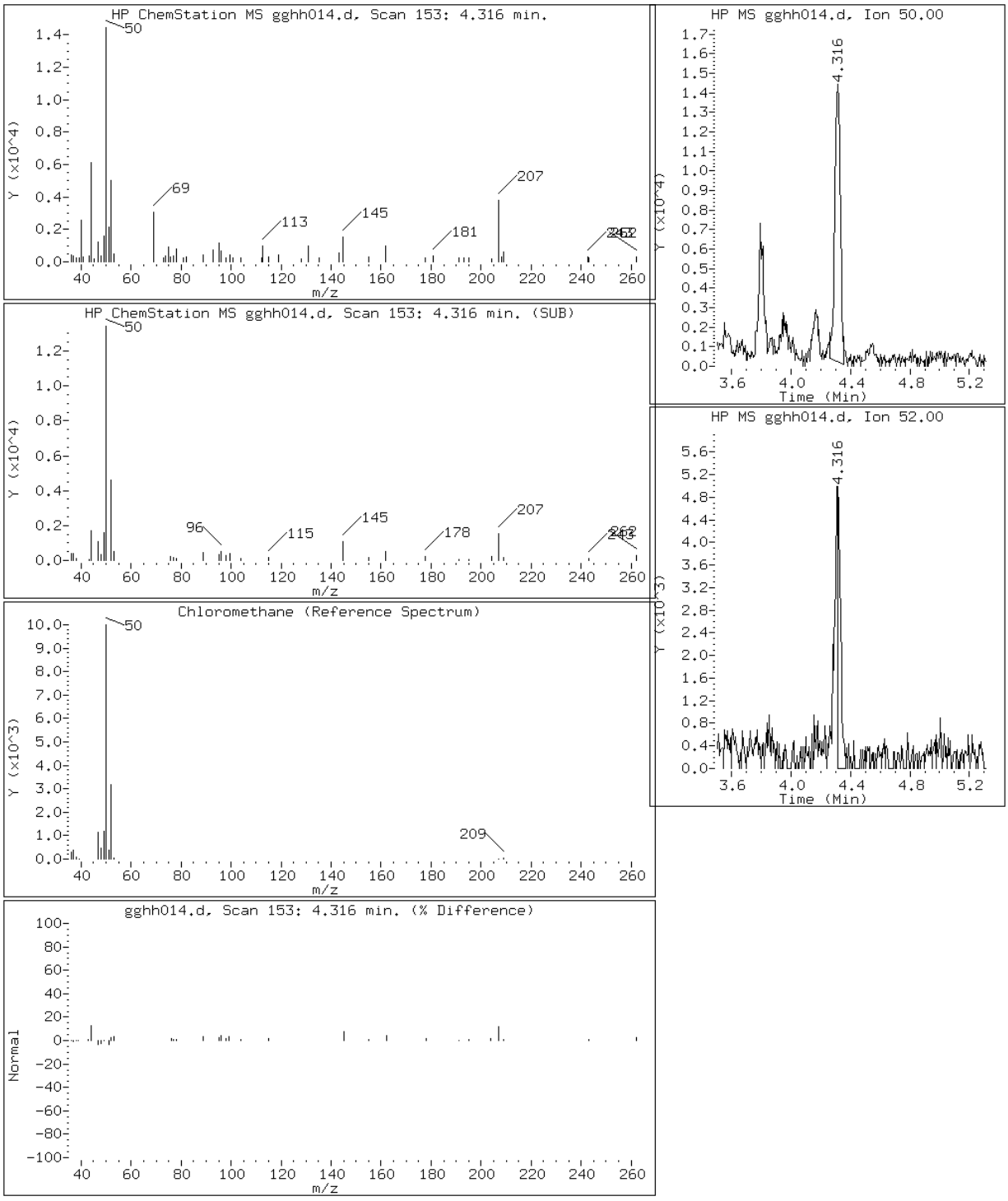
Data File: gghh014.d

Lab Sample ID: 200-9750-8 Date: 13-MAR-2012 20:57

Client ID: AA-DUP-1 Instrument: G.i

Sample Info: 200-9750-A-8 Operator: pad

5 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: AA-DUP-2 Lab Sample ID: 200-9750-9

Matrix: Air Lab File ID: gghh015.d

Analysis Method: TO15LL/NJ Date Collected: 03/07/2012 09:56

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 21:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.53		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-9
Client Smp ID: AA-DUP-2
Inj Date : 13-MAR-2012 21:46
Operator : pad Inst ID: G.i
Smp Info : 200-9750-A-9
Misc Info : 200,1,
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 16-Mar-2012 13:24 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	4.317	4.311	(0.414)	36672	0.52769	0.53
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.157	6.173	(0.591)	60394	0.21989	0.22
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

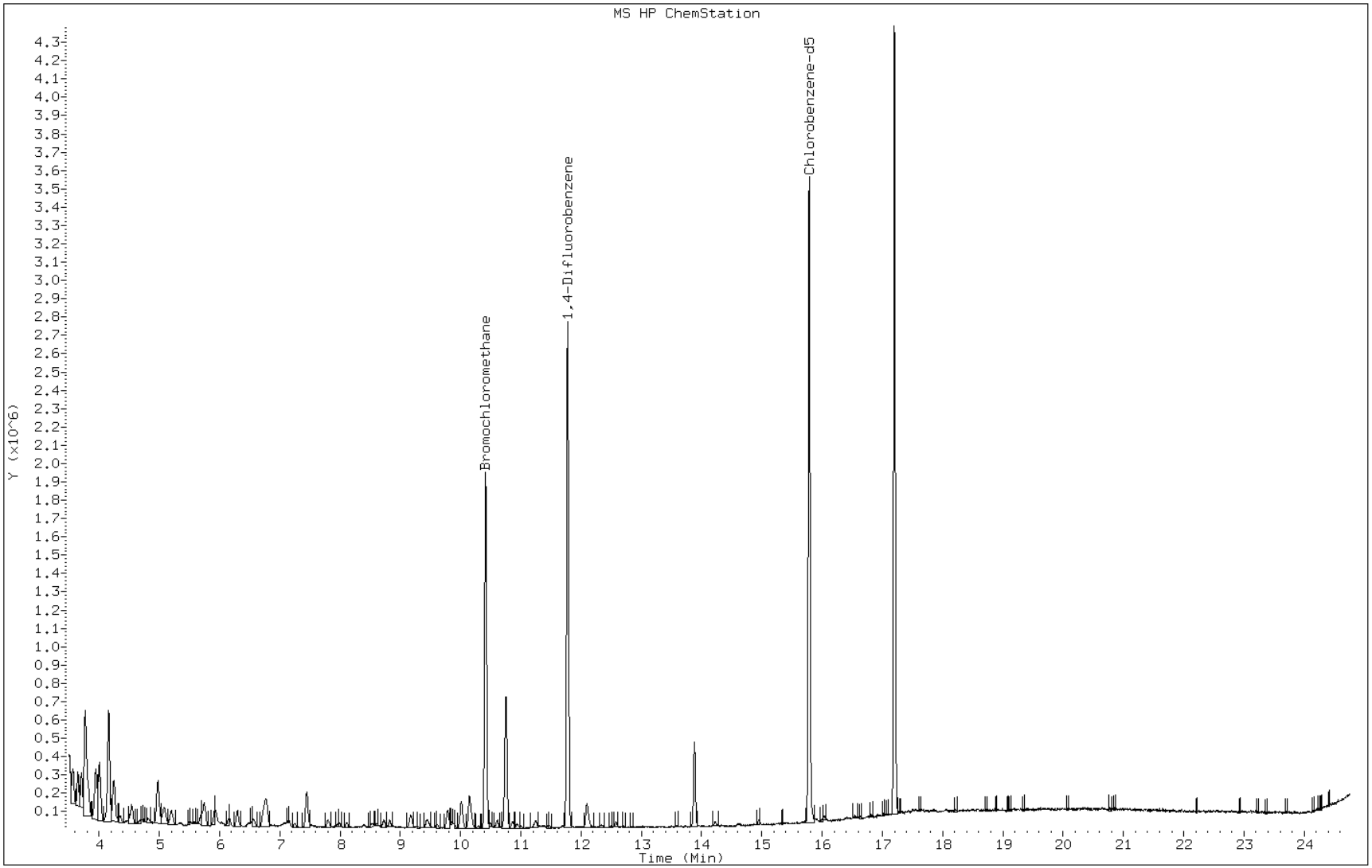
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	8.816	8.837	(0.846)	23961	0.26670	0.27
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.164	10.100	(0.976)	32450	1.19828	1.2(Q)
*	37 Bromochloromethane	128	10.415	10.431	(1.000)	712009	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	10.752	10.774	(0.913)	414601	4.25830	4.3
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.774	11.790	(1.000)	2936253	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	13.876	13.898	(0.879)	258146	2.20246	2.2
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2495523	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh015.d	Date:	13-MAR-2012 21:46
Client ID:	AA-DUP-2	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-9		
Lab Sample ID:	200-9750-9		



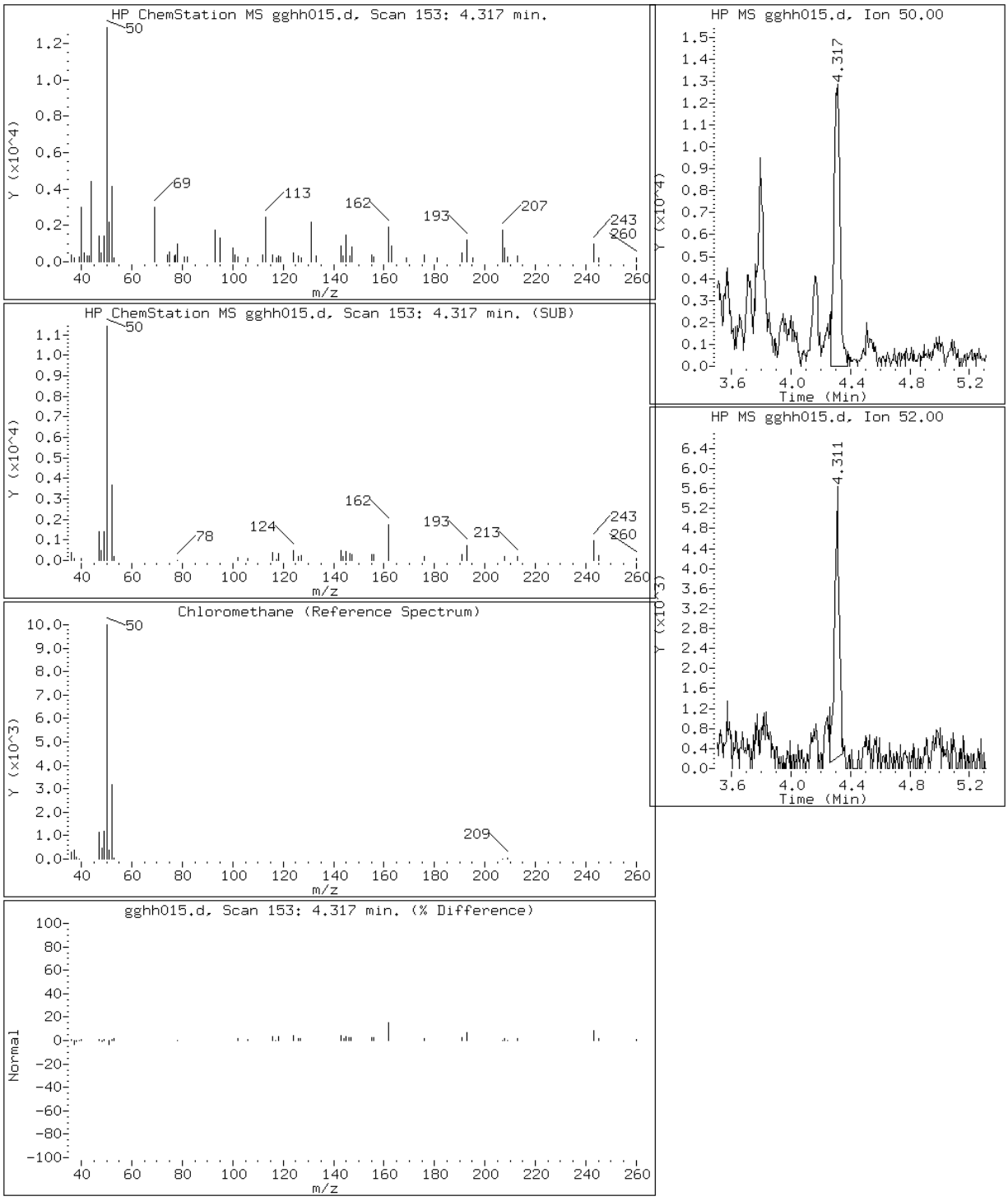
Data File: gghh015.d

Lab Sample ID: 200-9750-9 Date: 13-MAR-2012 21:46

Client ID: AA-DUP-2 Instrument: G.i

Sample Info: 200-9750-A-9 Operator: pad

5 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG699 SS-7 Lab Sample ID: 200-9750-10

Matrix: Air Lab File ID: ckqr022.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 12:32

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 06:38

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	53		2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-10
Client Smp ID: BLDG699 SS-7
Inj Date : 21-MAR-2012 06:38
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-10
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 16
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

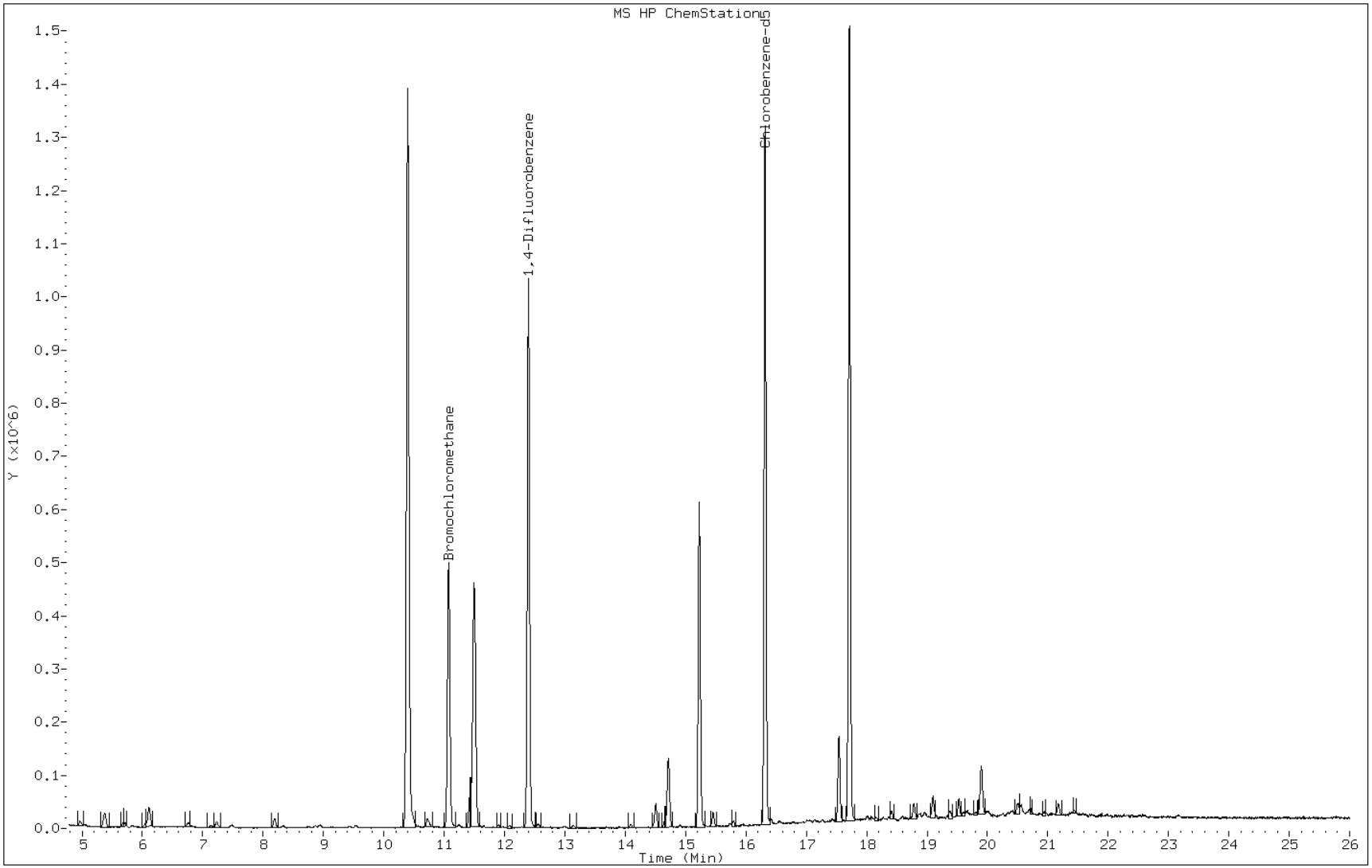
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	194273	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	11.429	11.451	(0.922)	36676	0.96660	9.7
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1107342	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	14.504	14.525	(0.889)	26448	0.45649	4.6
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	15.224	15.245	(0.933)	229149	5.29883	53
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	959923	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr022.d	Date:	21-MAR-2012 06:38
Client ID:	BLDG699 SS-7	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-10		
Lab Sample ID:	200-9750-10		



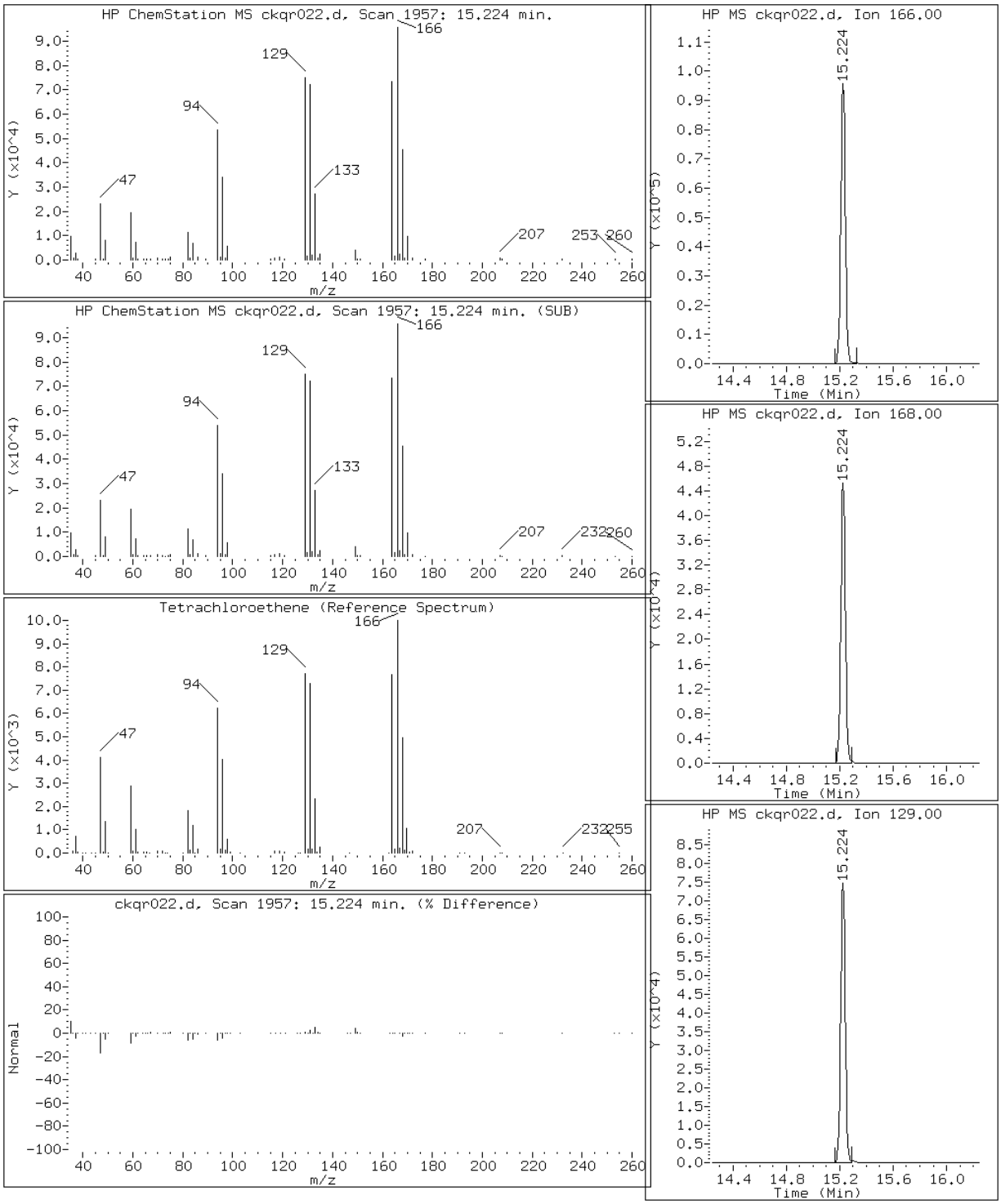
Data File: ckqr022.d

Lab Sample ID: 200-9750-10 Date: 21-MAR-2012 06:38

Client ID: BLDG699 SS-7 Instrument: C.i

Sample Info: 200-9750-A-10 Operator: pad

61 Tetrachloroethene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG700 SS-8 Lab Sample ID: 200-9750-11

Matrix: Air Lab File ID: ckqr024.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 13:46

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 08:18

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-11
Client Smp ID: BLDG700 SS-8
Inj Date : 21-MAR-2012 08:18
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-11
Misc Info : 20,10
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

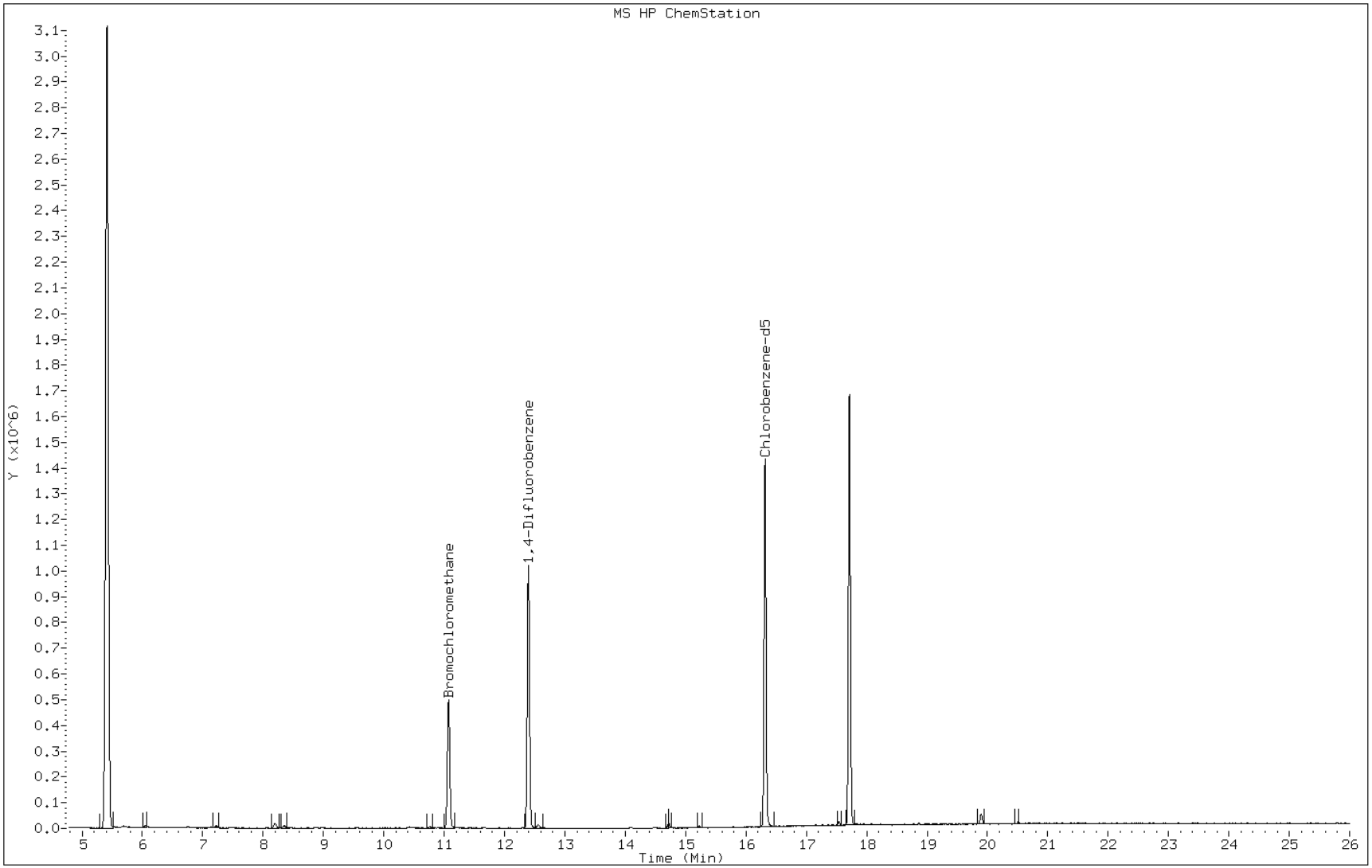
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	192765	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1099021	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1037785	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr024.d	Date:	21-MAR-2012 08:18
Client ID:	BLDG700 SS-8	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-11		
Lab Sample ID:	200-9750-11		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG700 SS-9 Lab Sample ID: 200-9750-12

Matrix: Air Lab File ID: ckqr025.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 14:24

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 09:07

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	3.6		2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-12
Client Smp ID: BLDG700 SS-9
Inj Date : 21-MAR-2012 09:07
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-12
Misc Info : 20,10
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 8
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

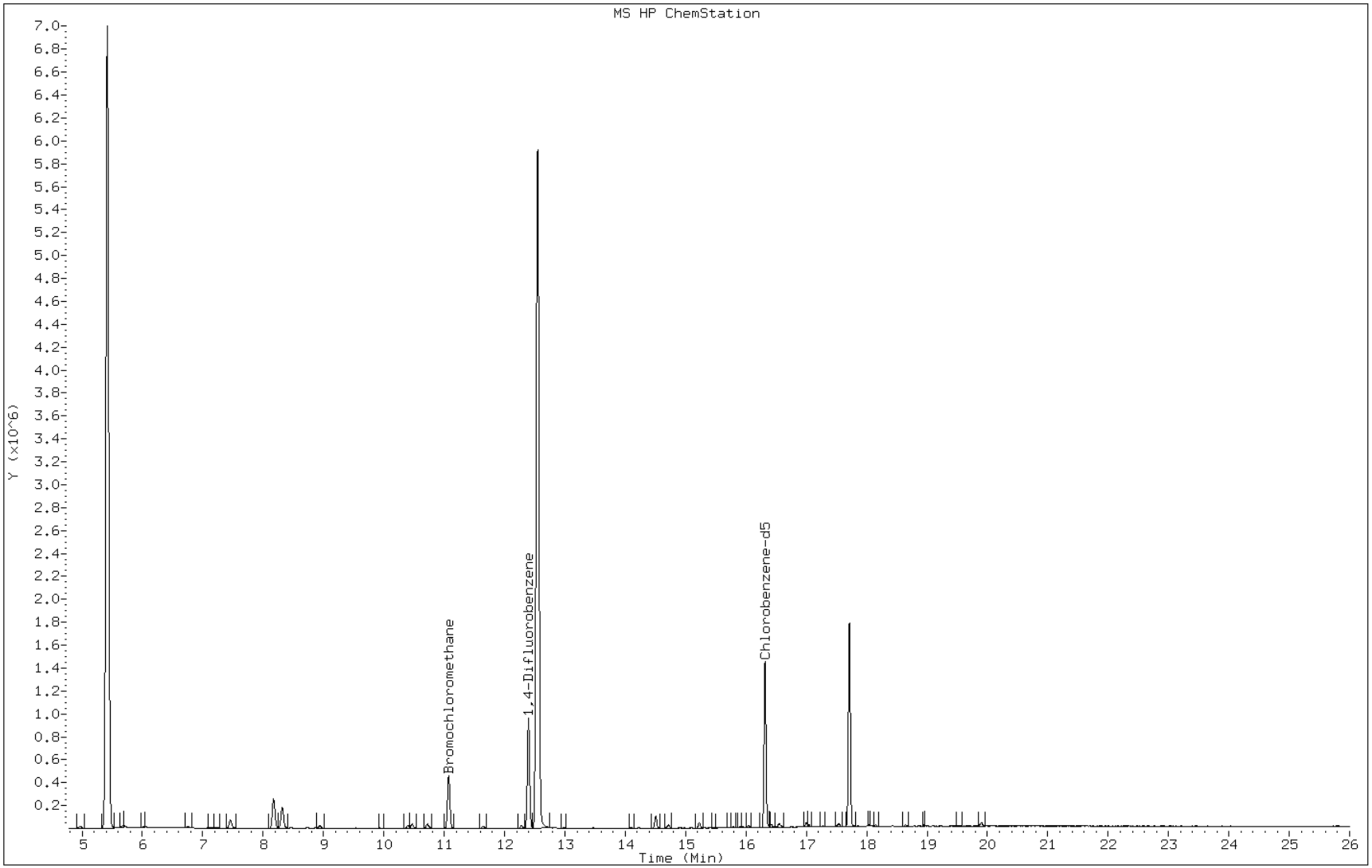
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	11571	0.21673	2.2
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	8.174	8.190	(0.738)	532942	21.3833	210
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	8.318	8.334	(0.751)	368322	18.8969	190
23 Allyl chloride	41	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.725	10.736	(0.968)	8804	0.83871	8.4
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	176215	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1030009	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	14.503	14.525	(0.889)	64141	1.02028	10
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	15.224	15.245	(0.933)	16673	0.35532	3.6
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1041573	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqr025.d	Date:	21-MAR-2012 09:07
Client ID:	BLDG700 SS-9	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-12		
Lab Sample ID:	200-9750-12		



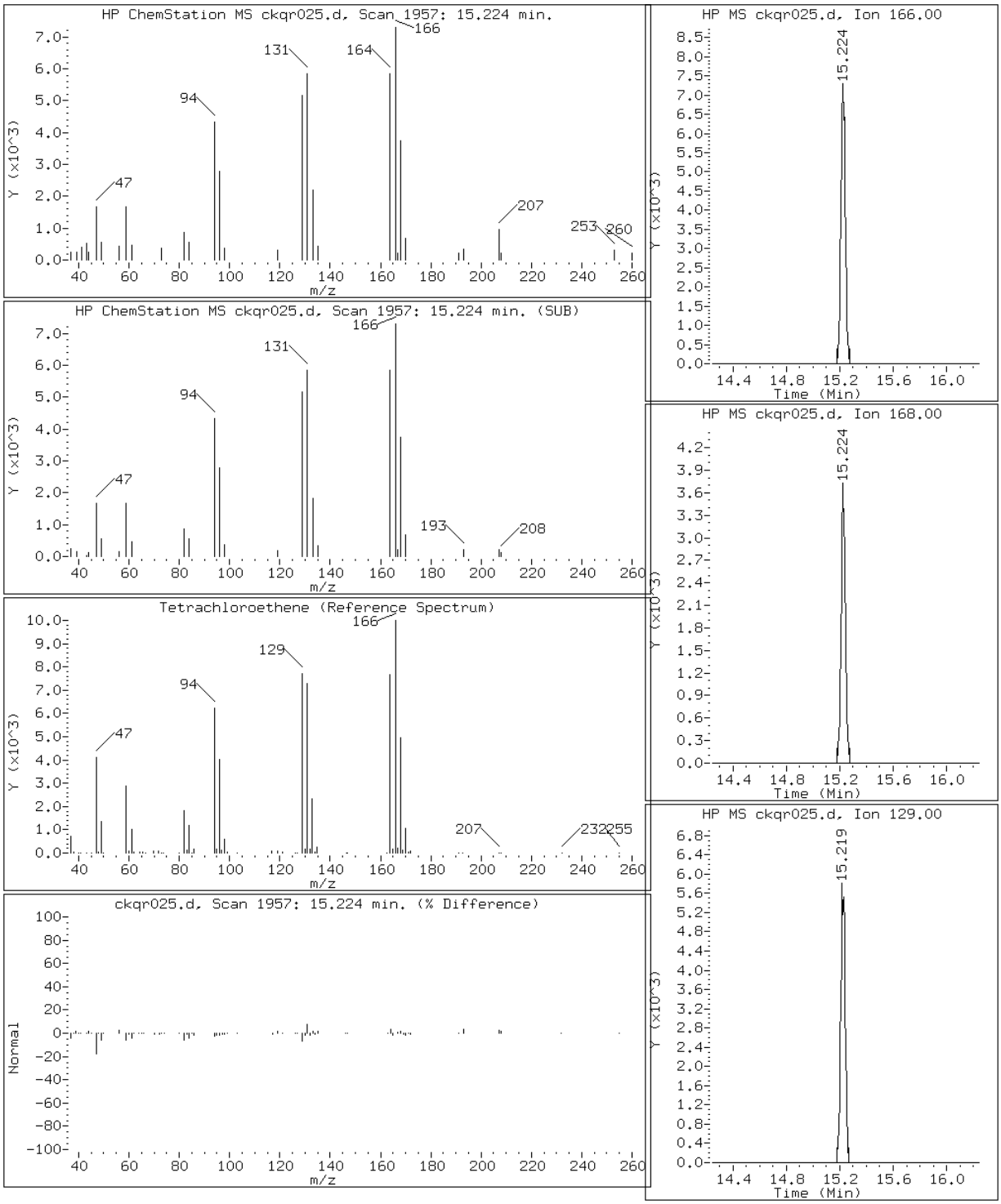
Data File: ckqr025.d

Lab Sample ID: 200-9750-12 Date: 21-MAR-2012 09:07

Client ID: BLDG700 SS-9 Instrument: C.i

Sample Info: 200-9750-A-12 Operator: pad

61 Tetrachloroethene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG700 SS-10 Lab Sample ID: 200-9750-13

Matrix: Air Lab File ID: ckqr026.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 15:08

Sample wt/vol: 20(mL) Date Analyzed: 03/21/2012 09:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-13
Client Smp ID: BLDG700 SS-10
Inj Date : 21-MAR-2012 09:57
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-13
Misc Info : 20,10
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 15:48 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

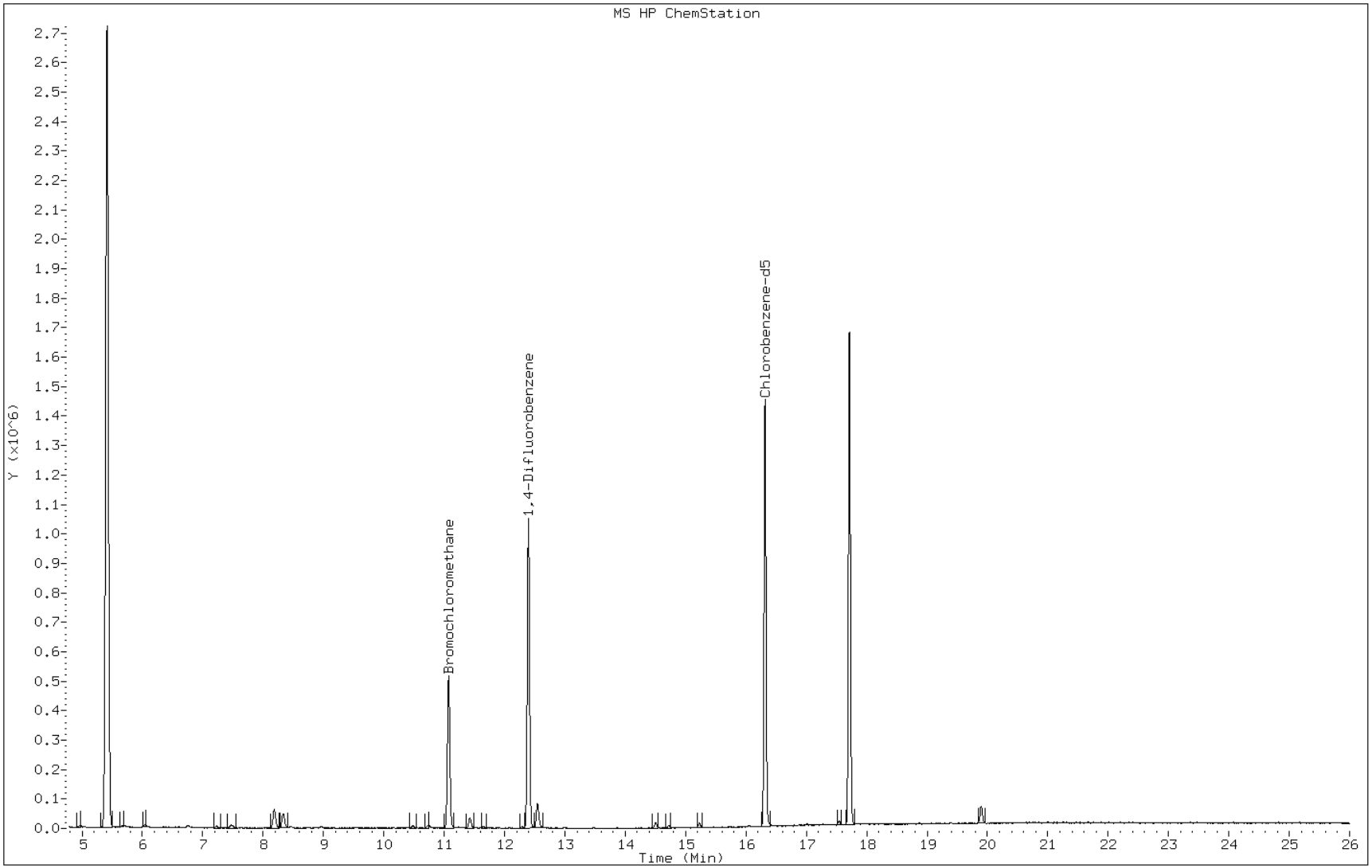
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	200497	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	11.424	11.451	(0.922)	19239	0.49377	4.9(M)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1137110	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1059632	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckqr026.d	Date:	21-MAR-2012 09:57
Client ID:	BLDG700 SS-10	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-13		
Lab Sample ID:	200-9750-13		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: SS-DUP-1 Lab Sample ID: 200-9750-14

Matrix: Air Lab File ID: ckqw011.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 13:46

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2012 19:32

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-14
Client Smp ID: SS-DUP-1
Inj Date : 27-MAR-2012 19:32
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-14
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 4
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

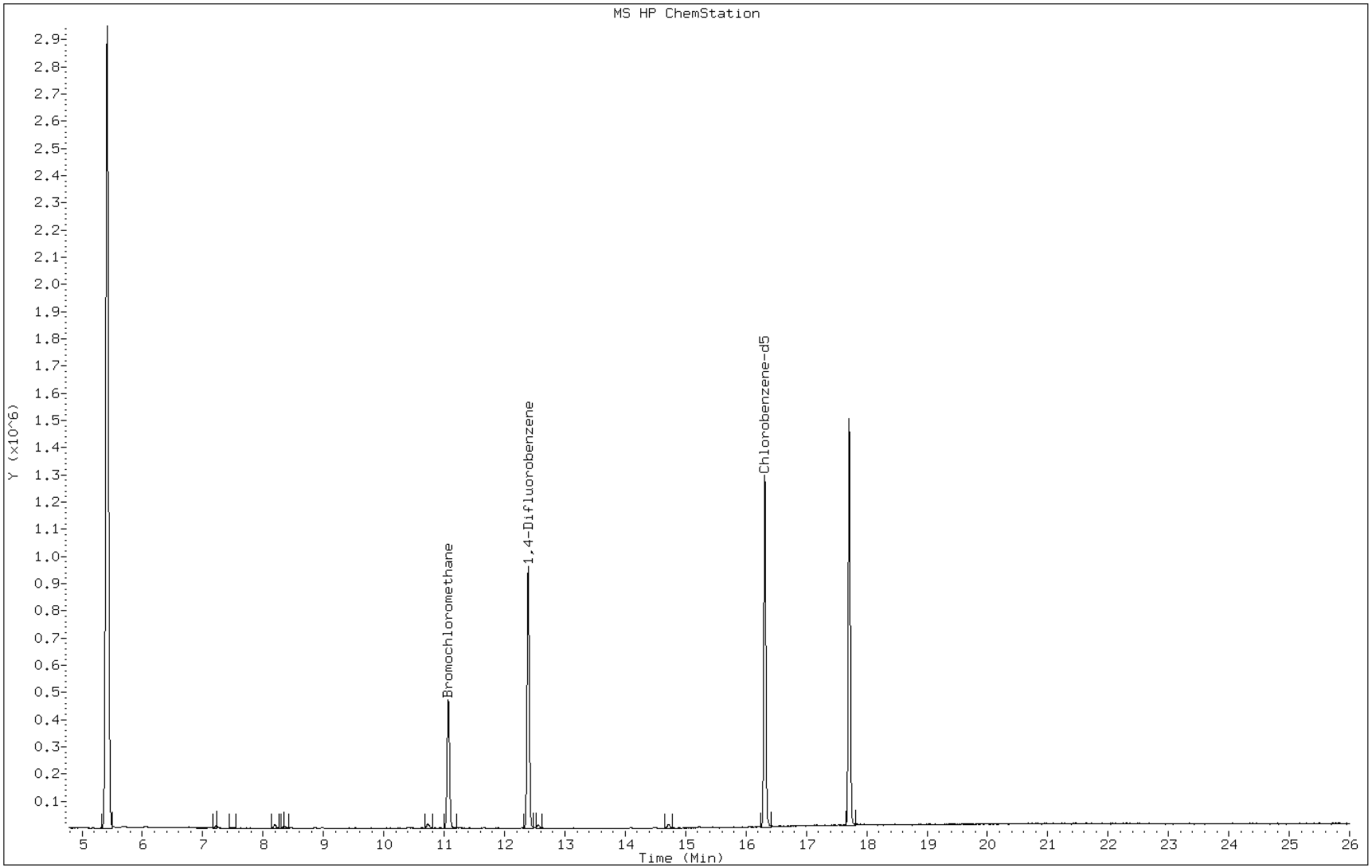
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	175398	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1010294	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	925794	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqw011.d	Date:	27-MAR-2012 19:32
Client ID:	SS-DUP-1	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-14		
Lab Sample ID:	200-9750-14		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 SS-13 Lab Sample ID: 200-9750-15

Matrix: Air Lab File ID: ckqw012.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 17:10

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2012 20:22

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-15
Client Smp ID: SS-13
Inj Date : 27-MAR-2012 20:22
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-15
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 5
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

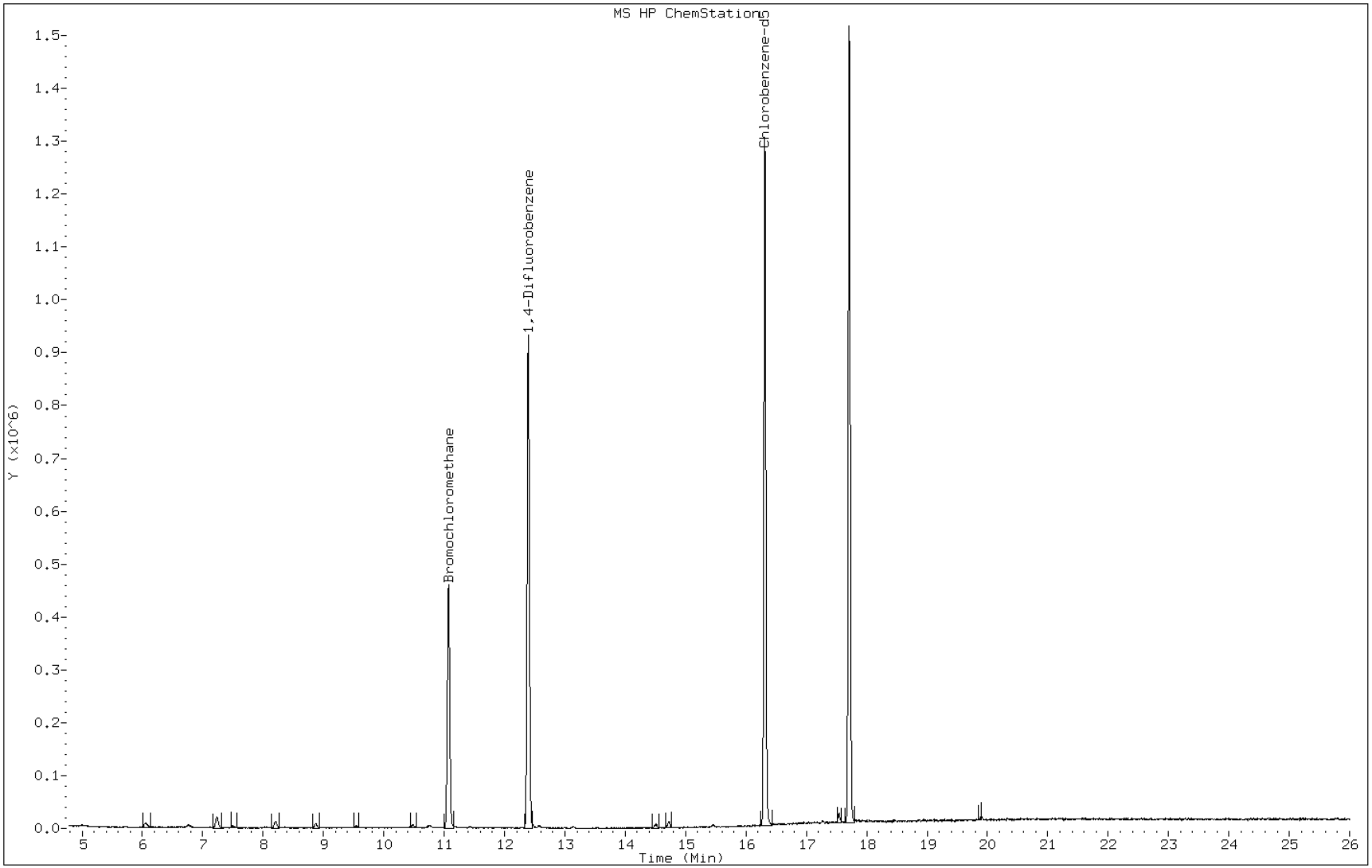
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	169270	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	971280	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	924950	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqw012.d	Date:	27-MAR-2012 20:22
Client ID:	SS-13	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-15		
Lab Sample ID:	200-9750-15		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 SS-14 Lab Sample ID: 200-9750-16

Matrix: Air Lab File ID: ckqw013.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 17:39

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2012 21:12

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-16
Client Smp ID: SS-14
Inj Date : 27-MAR-2012 21:12
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-16
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

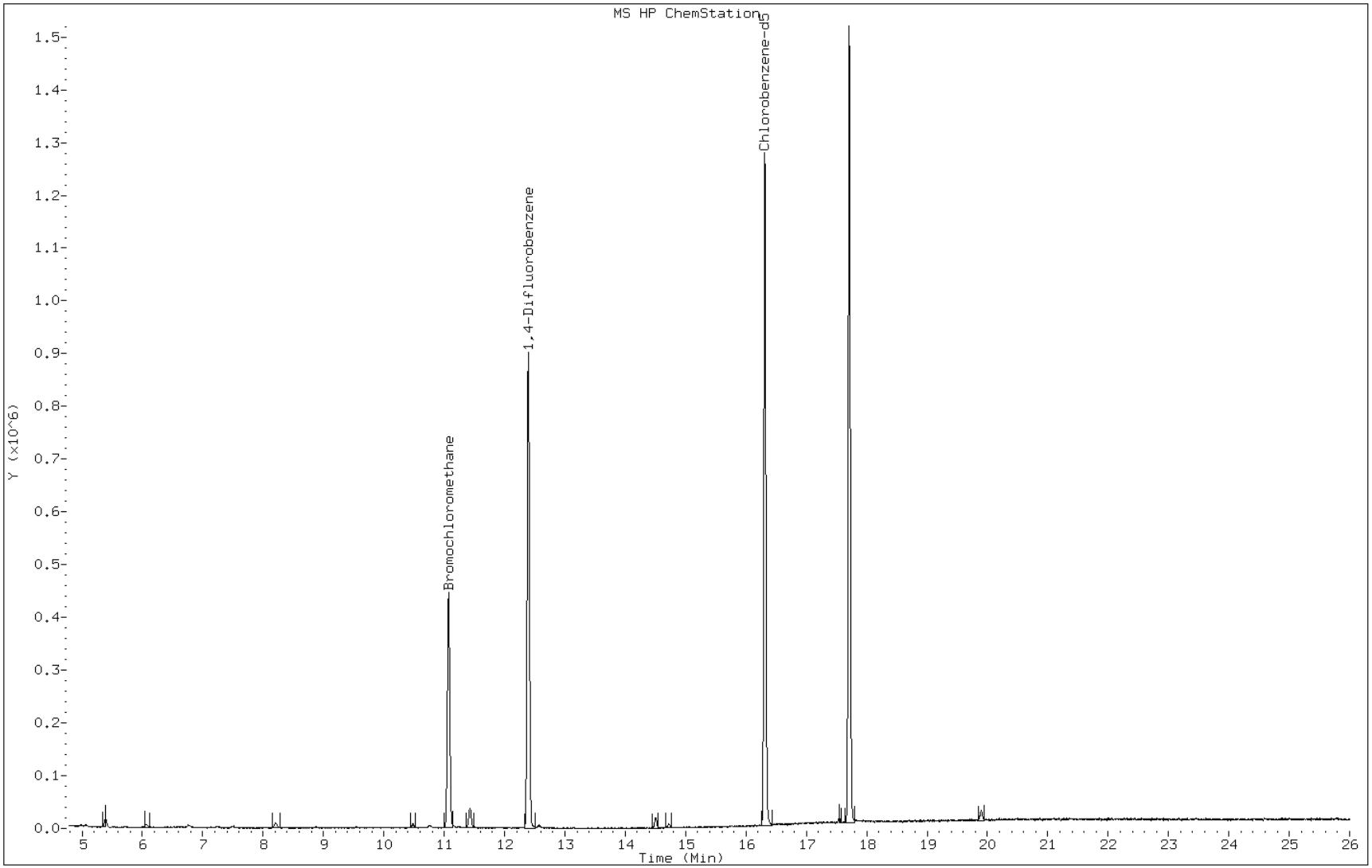
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	163730	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	11.435	11.451	(0.922)	20341	0.62658	6.3(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	947412	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	14.503	14.525	(0.889)	12605	0.23100	2.3
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	904077	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqw013.d	Date:	27-MAR-2012 21:12
Client ID:	SS-14	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-16		
Lab Sample ID:	200-9750-16		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: BLDG2700 SS-15 Lab Sample ID: 200-9750-17

Matrix: Air Lab File ID: ckqw014.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 18:23

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2012 22:02

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-17
Client Smp ID: SS-15
Inj Date : 27-MAR-2012 22:02
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-17
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

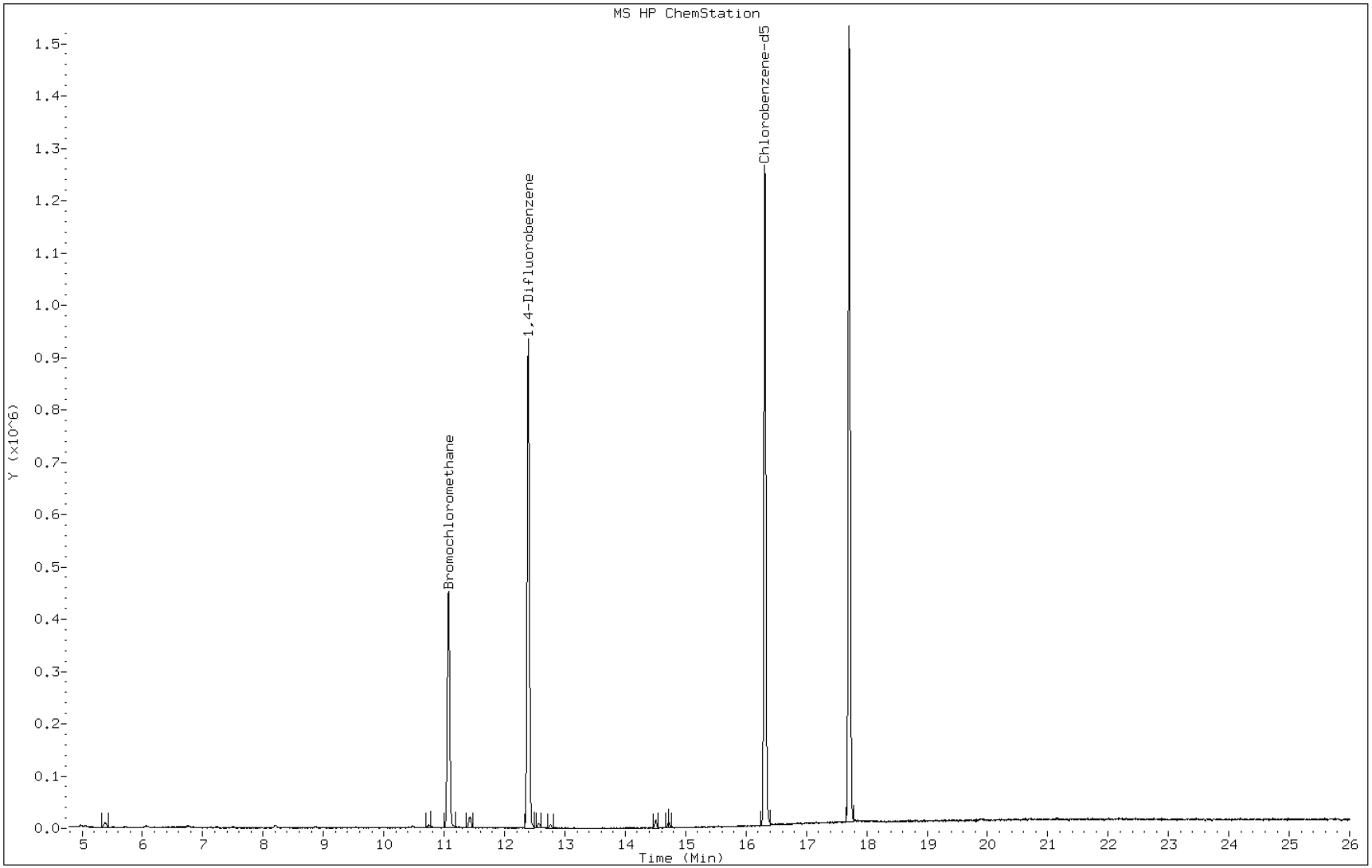
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	169416	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	11.435	11.451	(0.922)	12599	0.37547	3.8
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	979282	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	909329	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqw014.d	Date:	27-MAR-2012 22:02
Client ID:	SS-15	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-17		
Lab Sample ID:	200-9750-17		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: SS-DUP-2 Lab Sample ID: 200-9750-18

Matrix: Air Lab File ID: ckqw015.d

Analysis Method: TO15LL/NJ Date Collected: 03/08/2012 17:10

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2012 22:52

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9750-18
Client Smp ID: SS-DUP-2
Inj Date : 27-MAR-2012 22:52
Operator : pad Inst ID: C.i
Smp Info : 200-9750-A-18
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 8
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

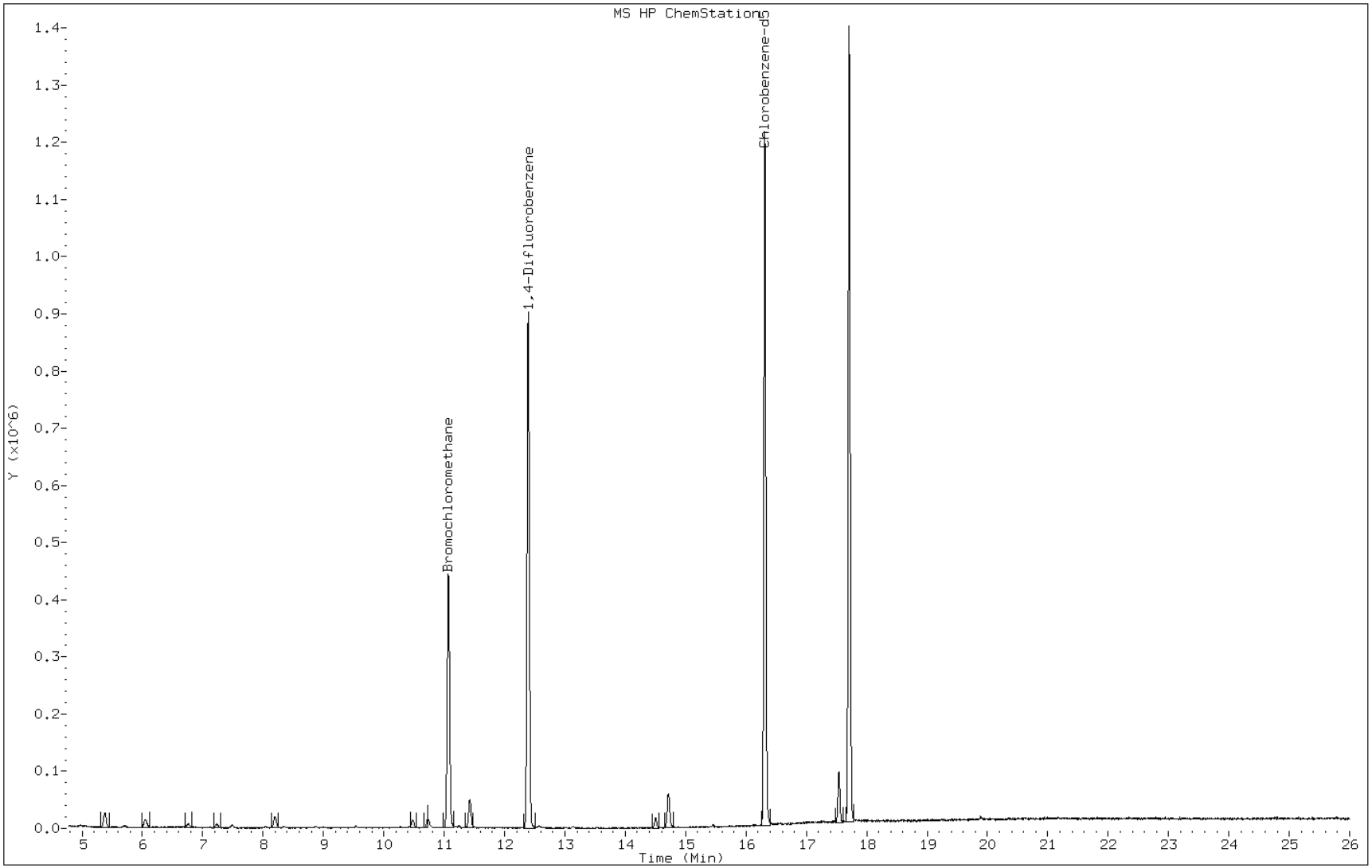
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.067	11.098	(1.000)	162678	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	11.435	11.451	(0.923)	27112	0.83473	8.3(M)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	947890	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	14.498	14.525	(0.889)	11402	0.21914	2.2
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	862041	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckqw015.d	Date:	27-MAR-2012 22:52
Client ID:	SS-DUP-2	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9750-A-18		
Lab Sample ID:	200-9750-18		



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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
Methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34198

SDG No.: 200-9750-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq004.d
Lab Smp Id: ic 279316
Inj Date : 24-FEB-2012 10:52
Operator : wrd Inst ID: C.i
Smp Info : ic 279316
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 10:52 Cal File: ckq004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.456)	26169	0.20000	0.22(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	28422	0.20000	0.22
5 Chloromethane	50	5.511	5.511	(0.497)	10349	0.20000	0.27(a)
7 Vinyl chloride	62	5.767	5.767	(0.520)	10180	0.20000	0.23
8 1,3-Butadiene	54	5.831	5.842	(0.526)	7730	0.20000	0.23
9 Bromomethane	94	6.498	6.503	(0.586)	9384	0.20000	0.24
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	7.053	7.053	(0.636)	9069	0.20000	0.23
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	25388	0.20000	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	19616	0.20000	0.23
19 1,1-Dichloroethene	96	8.072	8.072	(0.728)	9403	0.20000	0.24
20 Acetone	43	8.217	8.190	(0.741)	76582	0.20000	1.3(a)
21 Carbon disulfide	76	8.483	8.478	(0.765)	30247	0.20000	0.25(a)
23 Allyl chloride	41	8.670	8.675	(0.782)	15839	0.20000	0.26

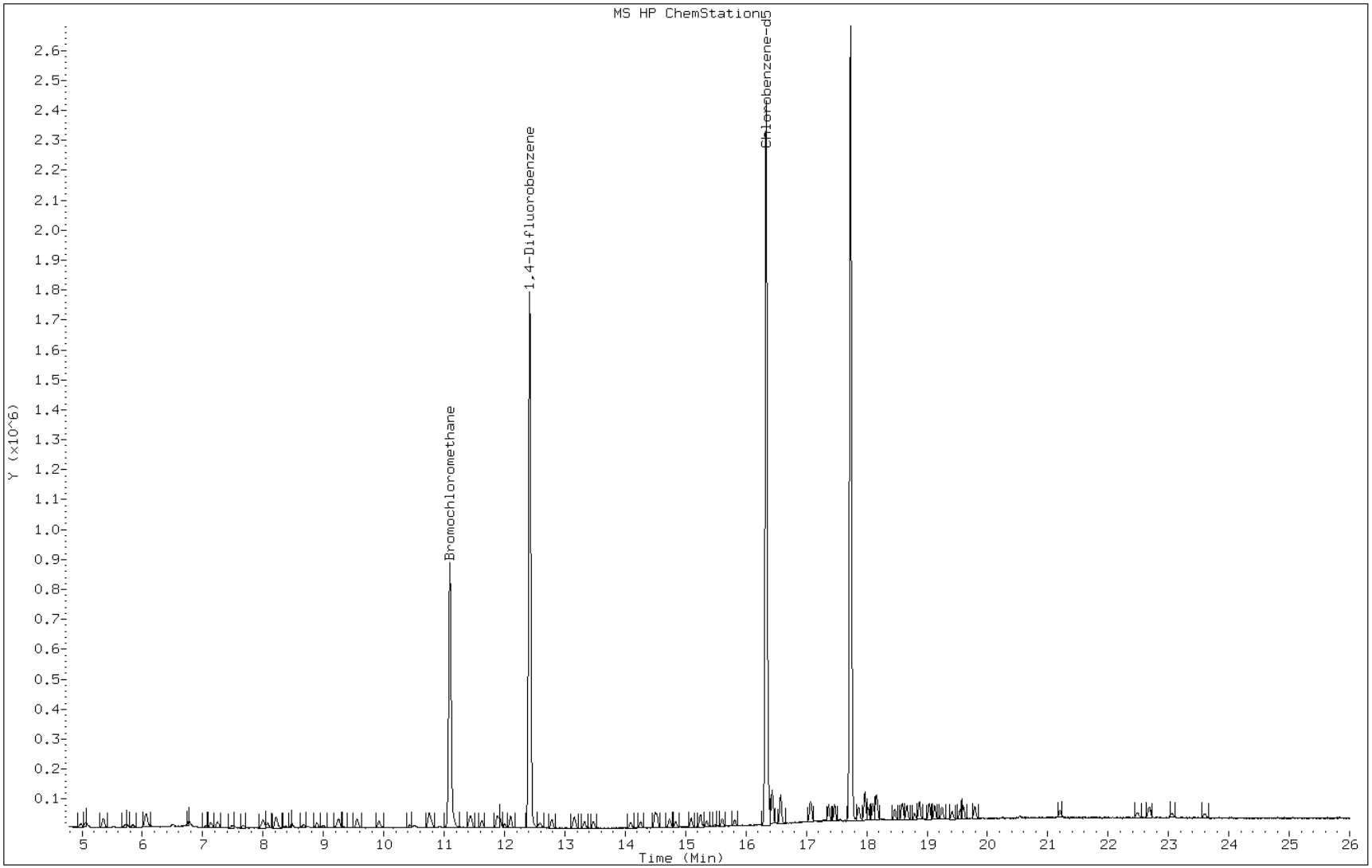
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.889	8.889	(0.801)	14397	0.20000	0.31(a)
27	Methyl tert-butyl ether	73	9.241	9.215	(0.833)	29760	0.20000	0.24
28	1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	15382	0.20000	0.23
30	n-Hexane	57	9.556	9.556	(0.861)	19067	0.20000	0.25
31	1,1-Dichloroethane	63	9.924	9.924	(0.895)	19113	0.20000	0.23
34	1,2-Dichloroethene (cis)	96	10.757	10.746	(0.970)	10559	0.20000	0.23
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	362182	10.0000	
39	Chloroform	83	11.152	11.146	(1.005)	22478	0.20000	0.23
40	Cyclohexane	84	11.451	11.451	(0.922)	16294	0.20000	0.23
41	1,1,1-Trichloroethane	97	11.419	11.424	(0.920)	22719	0.20000	0.21
42	Carbon tetrachloride	117	11.621	11.621	(0.936)	21422	0.20000	0.19(a)
43	2,2,4-Trimethylpentane	57	11.878	11.883	(0.957)	57315	0.20000	0.23
44	Benzene	78	11.931	11.926	(0.961)	37920	0.20000	0.24
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	13775	0.20000	0.21
46	n-Heptane	43	12.102	12.102	(0.975)	22501	0.20000	0.25
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2133767	10.0000	
49	Trichloroethene	95	12.780	12.785	(1.029)	14964	0.20000	0.22
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	13120	0.20000	0.24
51	Methyl methacrylate	69	13.175	13.159	(1.061)	9726	0.20000	0.20(aQ)
54	Bromodichloromethane	83	13.473	13.479	(1.085)	23089	0.20000	0.21
55	1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	18705	0.20000	0.22
56	Methyl isobutyl ketone	43	14.253	14.237	(1.148)	20569	0.20000	0.22(a)
58	Toluene	92	14.519	14.525	(0.889)	25743	0.20000	0.23
59	1,3-Dichloropropene (trans)	75	14.840	14.834	(1.195)	17908	0.20000	0.21
60	1,1,2-Trichloroethane	83	15.090	15.090	(0.924)	11594	0.20000	0.23
61	Tetrachloroethene	166	15.245	15.245	(0.933)	16459	0.20000	0.20
63	Dibromochloromethane	129	15.608	15.608	(0.956)	18748	0.20000	0.19(a)
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	19780	0.20000	0.21
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1966961	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.003)	31601	0.20000	0.22(Q)
68	Ethylbenzene	91	16.435	16.435	(1.006)	53563	0.20000	0.23
69	Xylene (m,p)	106	16.569	16.574	(1.014)	39686	0.40000	0.43(a)
71	Xylene (o)	106	17.065	17.065	(1.045)	19113	0.20000	0.21
72	Styrene	104	17.081	17.086	(1.046)	26234	0.20000	0.19(a)
73	Bromoform	173	17.369	17.375	(1.063)	15301	0.20000	0.16(a)
75	1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.094)	29004	0.20000	0.22
79	4-Ethyltoluene	105	18.100	18.100	(1.108)	49385	0.20000	0.19(a)
80	2-Chlorotoluene	91	18.149	18.154	(1.111)	53745	0.20000	0.23
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	41624	0.20000	0.19(a)
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.143)	39995	0.20000	0.19(a)
87	1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	28200	0.20000	0.19(a)
88	1,4-Dichlorobenzene	146	19.243	19.248	(1.178)	27817	0.20000	0.19(a)
92	1,2-Dichlorobenzene	146	19.792	19.792	(1.212)	27960	0.20000	0.20
94	1,2,4-Trichlorobenzene	180	22.487	22.487	(1.377)	11750	0.20000	0.15(a)
95	1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	12554	0.20000	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: ckq004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 279316
Lab Sample ID: ic 279316

Date: 24-FEB-2012 10:52
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq005.d
Lab Smp Id: ic 279315
Inj Date : 24-FEB-2012 11:42
Operator : wrd Inst ID: C.i
Smp Info : ic 279315
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 11:42 Cal File: ckq005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

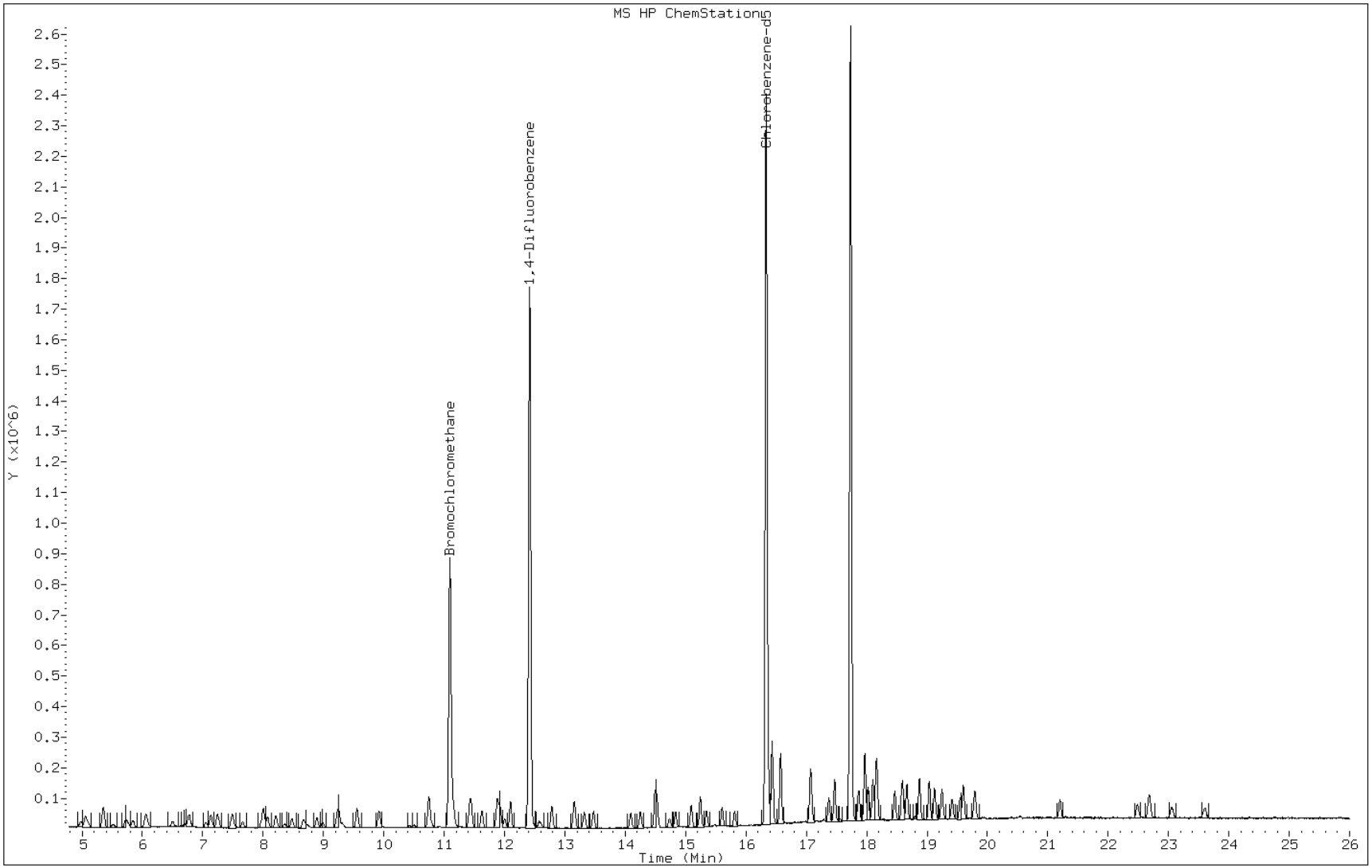
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	62301	0.50000	0.53
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	70182	0.50000	0.56
5 Chloromethane	50	5.516	5.511	(0.497)	23312	0.50000	0.62
7 Vinyl chloride	62	5.762	5.767	(0.519)	26120	0.50000	0.58
8 1,3-Butadiene	54	5.842	5.842	(0.527)	18901	0.50000	0.56
9 Bromomethane	94	6.504	6.503	(0.586)	21898	0.50000	0.57
10 Chloroethane	64	6.701	6.696	(0.604)	13141	0.50000	0.58
12 Vinyl bromide	106	7.053	7.053	(0.636)	22034	0.50000	0.56
13 Trichlorofluoromethane	101	7.139	7.138	(0.644)	60051	0.50000	0.51
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.003	7.998	(0.721)	45832	0.50000	0.55
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	24985	0.50000	0.61(Q)
20 Acetone	43	8.206	8.190	(0.740)	81259	0.50000	1.4(a)
21 Carbon disulfide	76	8.484	8.478	(0.765)	73945	0.50000	0.60
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.676	8.675	(0.782)	33655	0.50000	0.55(M)
25	Methylene chloride	49	8.889	8.889	(0.801)	28874	0.50000	0.62
27	Methyl tert-butyl ether	73	9.231	9.215	(0.832)	70316	0.50000	0.56
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	36763	0.50000	0.56
30	n-Hexane	57	9.556	9.556	(0.861)	44418	0.50000	0.57
31	1,1-Dichloroethane	63	9.925	9.924	(0.895)	46544	0.50000	0.56
34	1,2-Dichloroethene (cis)	96	10.752	10.746	(0.969)	26642	0.50000	0.56
36	Methyl Ethyl Ketone	72	10.757	10.736	(0.970)	16398	0.50000	0.73(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	355857	10.0000	
39	Chloroform	83	11.141	11.146	(1.004)	52930	0.50000	0.55
40	Cyclohexane	84	11.451	11.451	(0.922)	39656	0.50000	0.56
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	54287	0.50000	0.51
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	51116	0.50000	0.47
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	137951	0.50000	0.56
44	Benzene	78	11.926	11.926	(0.960)	86161	0.50000	0.56
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	33621	0.50000	0.52
46	n-Heptane	43	12.102	12.102	(0.975)	51388	0.50000	0.56
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2085981	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	35265	0.50000	0.52
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	30708	0.50000	0.56
51	Methyl methacrylate	69	13.164	13.159	(1.060)	25164	0.50000	0.52(Q)
54	Bromodichloromethane	83	13.479	13.479	(1.086)	53553	0.50000	0.49
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	45801	0.50000	0.54
56	Methyl isobutyl ketone	43	14.253	14.237	(1.148)	51625	0.50000	0.56
58	Toluene	92	14.525	14.525	(0.889)	60516	0.50000	0.56
59	1,3-Dichloropropene (trans)	75	14.829	14.834	(1.194)	42603	0.50000	0.50
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	28186	0.50000	0.56
61	Tetrachloroethene	166	15.245	15.245	(0.933)	38598	0.50000	0.47
63	Dibromochloromethane	129	15.608	15.608	(0.956)	46295	0.50000	0.47
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	48086	0.50000	0.53
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1905026	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.003)	76449	0.50000	0.54(Q)
68	Ethylbenzene	91	16.436	16.435	(1.006)	126034	0.50000	0.54
69	Xylene (m,p)	106	16.569	16.574	(1.014)	96003	1.00000	1.1
71	Xylene (o)	106	17.065	17.065	(1.045)	46766	0.50000	0.52
72	Styrene	104	17.087	17.086	(1.046)	66760	0.50000	0.49
73	Bromoform	173	17.370	17.375	(1.063)	37975	0.50000	0.42
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	71871	0.50000	0.55
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	122894	0.50000	0.49
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	125367	0.50000	0.55
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	103006	0.50000	0.48
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.143)	98159	0.50000	0.47
87	1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	65405	0.50000	0.46
88	1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	62320	0.50000	0.44
92	1,2-Dichlorobenzene	146	19.793	19.792	(1.212)	61205	0.50000	0.45
94	1,2,4-Trichlorobenzene	180	22.488	22.487	(1.377)	26971	0.50000	0.36(a)
95	1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	28559	0.50000	0.43

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq005.d	Date:	24-FEB-2012 11:42
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279315		
Lab Sample ID:	ic 279315		



Manual Integration Report

Data File: ckq005.d
Lab Sample ID: ic 279315
Inj. Date and Time: 24-FEB-2012 11:42
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

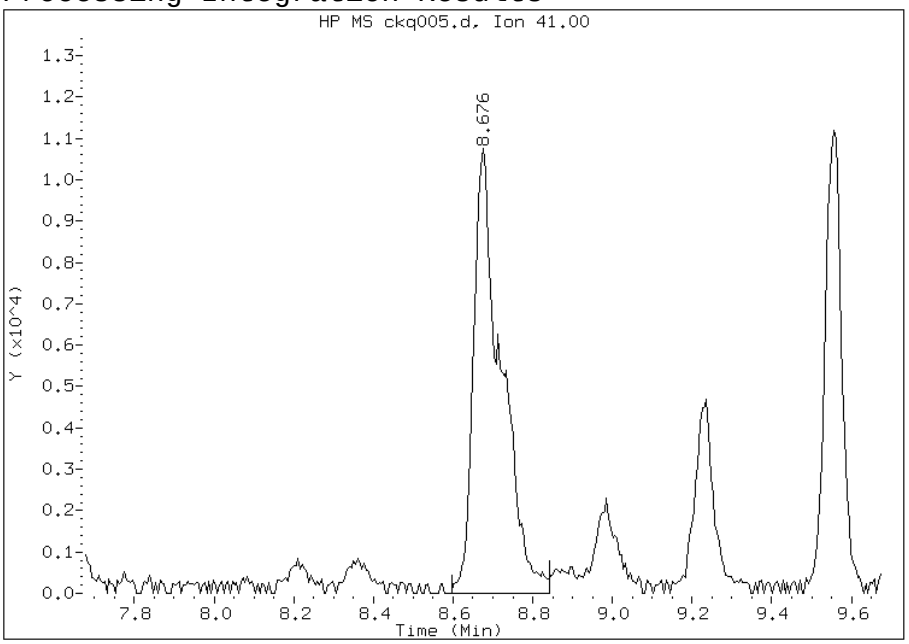
Processing Integration Results

RT: 8.68

Response: 52144

Amount: 0.782554

Conc: 0.782554



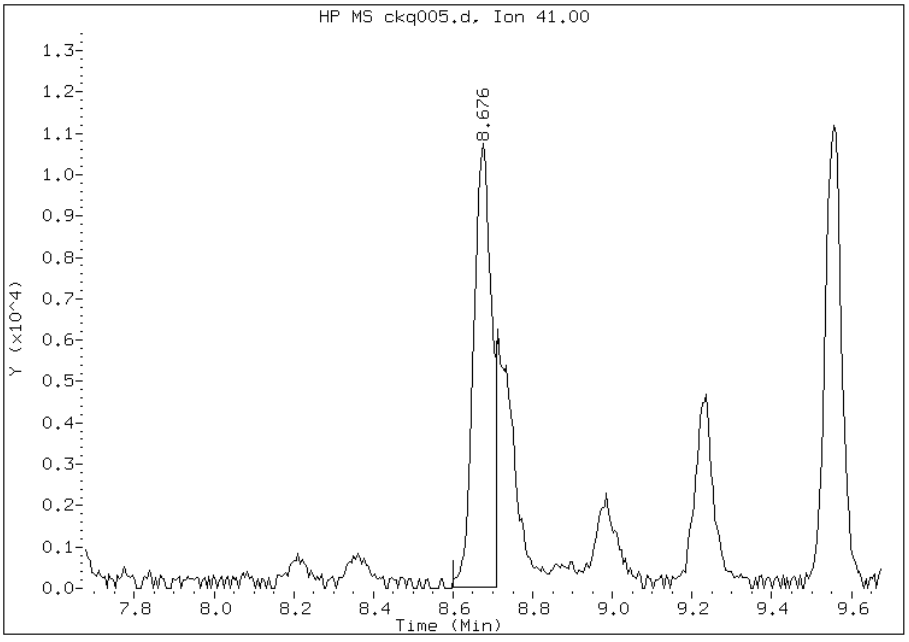
Manual Integration Results

RT: 8.68

Response: 33655

Amount: 0.545121

Conc: 0.545121



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq006.d
Lab Smp Id: ic 275709
Inj Date : 24-FEB-2012 12:32
Operator : wrd Inst ID: C.i
Smp Info : ic 275709
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 12:32 Cal File: ckq006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	591927	5.00000	5.0
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.481)	668383	5.00000	5.2
5 Chloromethane	50	5.505	5.511	(0.496)	209637	5.00000	5.4
7 Vinyl chloride	62	5.756	5.767	(0.519)	241922	5.00000	5.2
8 1,3-Butadiene	54	5.836	5.842	(0.526)	183896	5.00000	5.3
9 Bromomethane	94	6.493	6.503	(0.585)	201906	5.00000	5.1
10 Chloroethane	64	6.696	6.696	(0.604)	119584	5.00000	5.1
12 Vinyl bromide	106	7.053	7.053	(0.636)	216562	5.00000	5.3
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	574020	5.00000	4.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.998	(0.720)	440870	5.00000	5.1
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	219244	5.00000	5.1
20 Acetone	43	8.185	8.190	(0.738)	365162	5.00000	6.0
21 Carbon disulfide	76	8.473	8.478	(0.764)	688851	5.00000	5.3
22 Isopropanol	45	8.329	8.334	(0.751)	244142	5.00000	6.0

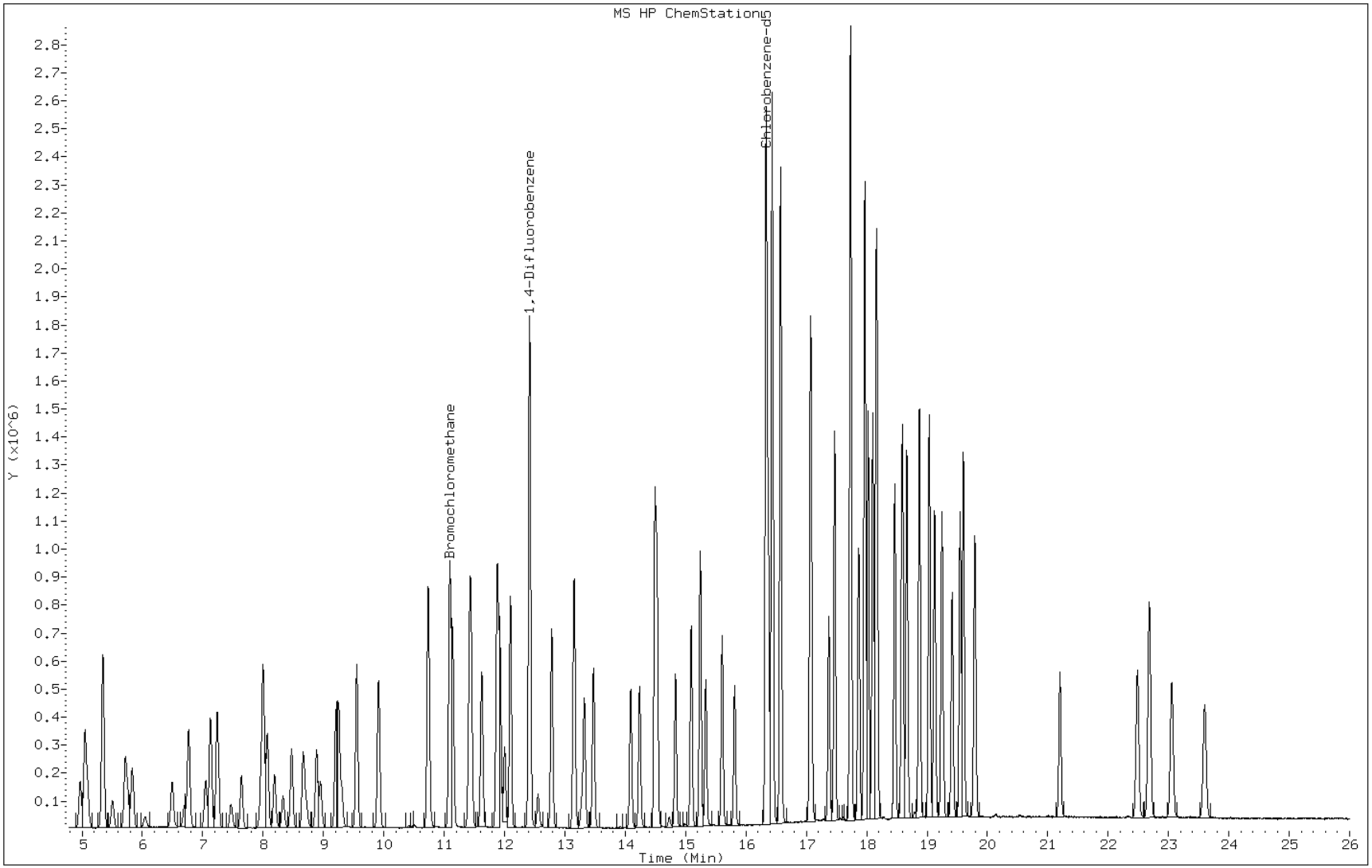
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.670	8.675	(0.782)	358588	5.00000	5.5(M)
25	Methylene chloride	49	8.884	8.889	(0.801)	251619	5.00000	5.2
26	Tert-butyl alcohol	59	8.953	8.953	(0.807)	319031	5.00000	5.4
27	Methyl tert-butyl ether	73	9.209	9.215	(0.830)	664054	5.00000	5.1
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	355998	5.00000	5.2
30	n-Hexane	57	9.551	9.556	(0.861)	422156	5.00000	5.2
31	1,1-Dichloroethane	63	9.919	9.924	(0.894)	454380	5.00000	5.2
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	256374	5.00000	5.2
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	120709	5.00000	5.1(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	369008	10.0000	
38	Tetrahydrofuran	42	11.131	11.130	(0.896)	256051	5.00000	5.5
39	Chloroform	83	11.141	11.146	(1.004)	503573	5.00000	5.0
40	Cyclohexane	84	11.451	11.451	(0.922)	381985	5.00000	5.1
41	1,1,1-Trichloroethane	97	11.419	11.424	(0.920)	526455	5.00000	4.8
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	509254	5.00000	4.6
43	2,2,4-Trimethylpentane	57	11.878	11.883	(0.957)	1328399	5.00000	5.1
44	Benzene	78	11.926	11.926	(0.960)	828237	5.00000	5.1
45	1,2-Dichloroethane	62	12.001	12.006	(0.966)	330378	5.00000	5.0
46	n-Heptane	43	12.102	12.102	(0.975)	489273	5.00000	5.1
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2177840	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	354762	5.00000	5.0
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	297817	5.00000	5.1
51	Methyl methacrylate	69	13.159	13.159	(1.060)	265107	5.00000	5.2
53	1,4-Dioxane	88	13.281	13.276	(1.070)	107080	5.00000	5.8
54	Bromodichloromethane	83	13.473	13.479	(1.085)	565149	5.00000	5.0
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	451799	5.00000	5.1
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	496409	5.00000	5.1
58	Toluene	92	14.525	14.525	(0.889)	597868	5.00000	5.1
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	443739	5.00000	5.0
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	279686	5.00000	5.2
61	Tetrachloroethene	166	15.245	15.245	(0.933)	404383	5.00000	4.7
63	Dibromochloromethane	129	15.608	15.608	(0.956)	512129	5.00000	4.9
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	495924	5.00000	5.1
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	2015601	10.0000	
66	Chlorobenzene	112	16.371	16.377	(1.002)	759563	5.00000	5.1
68	Ethylbenzene	91	16.435	16.435	(1.006)	1243323	5.00000	5.1
69	Xylene (m,p)	106	16.574	16.574	(1.015)	971223	10.0000	10
71	Xylene (o)	106	17.065	17.065	(1.045)	476418	5.00000	5.0
72	Styrene	104	17.087	17.086	(1.046)	738105	5.00000	5.1
73	Bromoform	173	17.369	17.375	(1.063)	446396	5.00000	4.7
75	1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.094)	715466	5.00000	5.2
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	1387661	5.00000	5.2
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	1210974	5.00000	5.0
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	1127801	5.00000	5.0
84	1,2,4-Trimethylbenzene	105	18.661	18.661	(1.142)	1125728	5.00000	5.1
87	1,3-Dichlorobenzene	146	19.125	19.131	(1.171)	724951	5.00000	4.9
88	1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	713801	5.00000	4.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.212)	692455	5.00000	4.9
94 1,2,4-Trichlorobenzene	180	22.482	22.487	(1.376)	341565	5.00000	4.5
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.389)	296246	5.00000	4.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq006.d	Date:	24-FEB-2012 12:32
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275709		
Lab Sample ID:	ic 275709		



Manual Integration Report

Data File: ckq006.d
Lab Sample ID: ic 275709
Inj. Date and Time: 24-FEB-2012 12:32
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

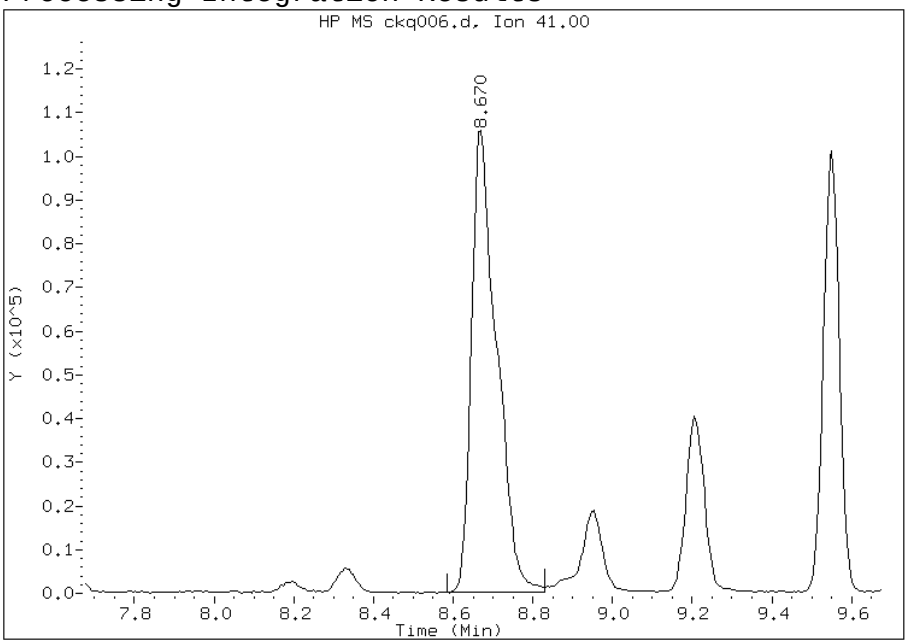
Processing Integration Results

RT: 8.67

Response: 462598

Amount: 6.42

Conc: 6.42



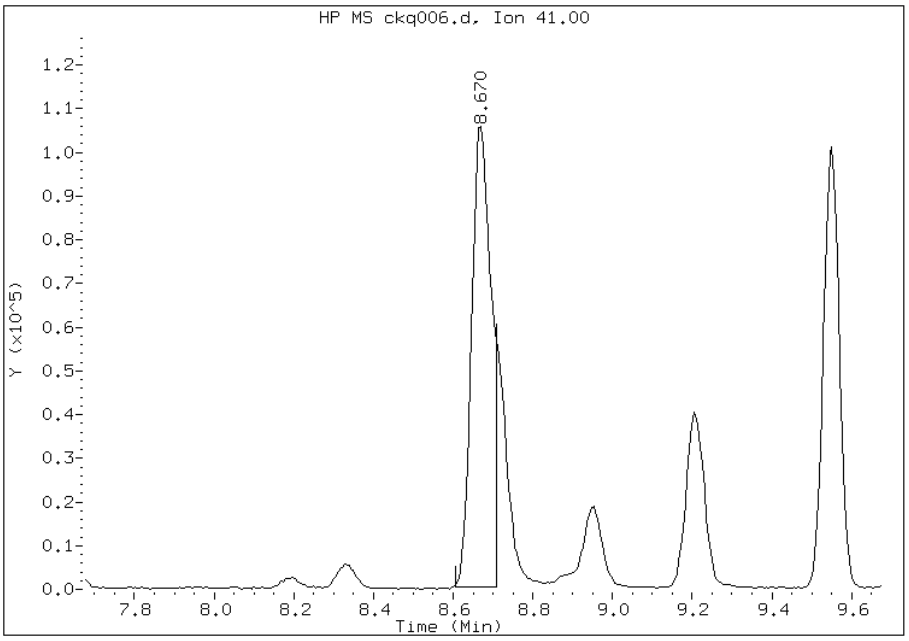
Manual Integration Results

RT: 8.67

Response: 358588

Amount: 5.48

Conc: 5.48



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq007.d
Lab Smp Id: icis 275682
Inj Date : 24-FEB-2012 13:22
Operator : wrd Inst ID: C.i
Smp Info : icis 275682
Misc Info : 200,1, icis
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 13:22 Cal File: ckq007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.456)	1175354	10.0000	9.2
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.482)	1325083	10.0000	9.4
5 Chloromethane	50	5.511	5.511	(0.497)	409725	10.0000	9.7
7 Vinyl chloride	62	5.767	5.767	(0.520)	481937	10.0000	9.6
8 1,3-Butadiene	54	5.842	5.842	(0.526)	368182	10.0000	9.7
9 Bromomethane	94	6.503	6.503	(0.586)	413532	10.0000	9.5
10 Chloroethane	64	6.696	6.696	(0.603)	241576	10.0000	9.6
12 Vinyl bromide	106	7.053	7.053	(0.636)	449720	10.0000	10
13 Trichlorofluoromethane	101	7.138	7.138	(0.643)	1171794	10.0000	9.1
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	908253	10.0000	9.6
19 1,1-Dichloroethene	96	8.072	8.072	(0.727)	463155	10.0000	9.9
20 Acetone	43	8.190	8.190	(0.738)	603838	10.0000	9.2
21 Carbon disulfide	76	8.478	8.478	(0.764)	1447474	10.0000	10
22 Isopropanol	45	8.334	8.334	(0.751)	440019	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.675	8.675	(0.782)	689206	10.0000	9.7(M)
25	Methylene chloride	49	8.889	8.889	(0.801)	491358	10.0000	9.4
26	Tert-butyl alcohol	59	8.953	8.953	(0.807)	627939	10.0000	9.8
27	Methyl tert-butyl ether	73	9.215	9.215	(0.830)	1274621	10.0000	9.0
28	1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	712346	10.0000	9.6
30	n-Hexane	57	9.556	9.556	(0.861)	842956	10.0000	9.6
31	1,1-Dichloroethane	63	9.924	9.924	(0.894)	907976	10.0000	9.6
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.968)	533353	10.0000	9.9
36	Methyl Ethyl Ketone	72	10.736	10.736	(0.967)	228992	10.0000	8.9
* 37	Bromochloromethane	128	11.098	11.098	(1.000)	400858	10.0000	
38	Tetrahydrofuran	42	11.130	11.130	(0.896)	468585	10.0000	9.4
39	Chloroform	83	11.146	11.146	(1.004)	1025814	10.0000	9.4
40	Cyclohexane	84	11.451	11.451	(0.922)	772898	10.0000	9.6
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1074586	10.0000	9.1
42	Carbon tetrachloride	117	11.621	11.621	(0.936)	1052064	10.0000	8.9
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	2674034	10.0000	9.6
44	Benzene	78	11.926	11.926	(0.960)	1691850	10.0000	9.7
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	654896	10.0000	9.2
46	n-Heptane	43	12.102	12.102	(0.975)	966542	10.0000	9.4
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2341547	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	746435	10.0000	9.7
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	591836	10.0000	9.5
51	Methyl methacrylate	69	13.159	13.159	(1.060)	513225	10.0000	9.3
53	1,4-Dioxane	88	13.276	13.276	(1.069)	211897	10.0000	11
54	Bromodichloromethane	83	13.479	13.479	(1.086)	1158917	10.0000	9.6
55	1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	918588	10.0000	9.6
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	929125	10.0000	8.9
58	Toluene	92	14.525	14.525	(0.889)	1197754	10.0000	9.8
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	875985	10.0000	9.2
60	1,1,2-Trichloroethane	83	15.090	15.090	(0.924)	555928	10.0000	9.8
61	Tetrachloroethene	166	15.245	15.245	(0.933)	881191	10.0000	9.8
63	Dibromochloromethane	129	15.608	15.608	(0.955)	1088094	10.0000	9.9
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	1021428	10.0000	10
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	2130083	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	1553140	10.0000	9.8
68	Ethylbenzene	91	16.435	16.435	(1.006)	2422789	10.0000	9.3
69	Xylene (m,p)	106	16.574	16.574	(1.014)	1935593	20.0000	19
71	Xylene (o)	106	17.065	17.065	(1.044)	939311	10.0000	9.4
72	Styrene	104	17.086	17.086	(1.046)	1507113	10.0000	9.9
73	Bromoform	173	17.375	17.375	(1.063)	957347	10.0000	9.6
75	1,1,2,2-Tetrachloroethane	83	17.866	17.866	(1.093)	1402511	10.0000	9.6
79	4-Ethyltoluene	105	18.100	18.100	(1.108)	2815694	10.0000	10
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	2397860	10.0000	9.4
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	2313828	10.0000	9.7
84	1,2,4-Trimethylbenzene	105	18.661	18.661	(1.142)	2322159	10.0000	10
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	1521838	10.0000	9.7
88	1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	1504696	10.0000	9.7

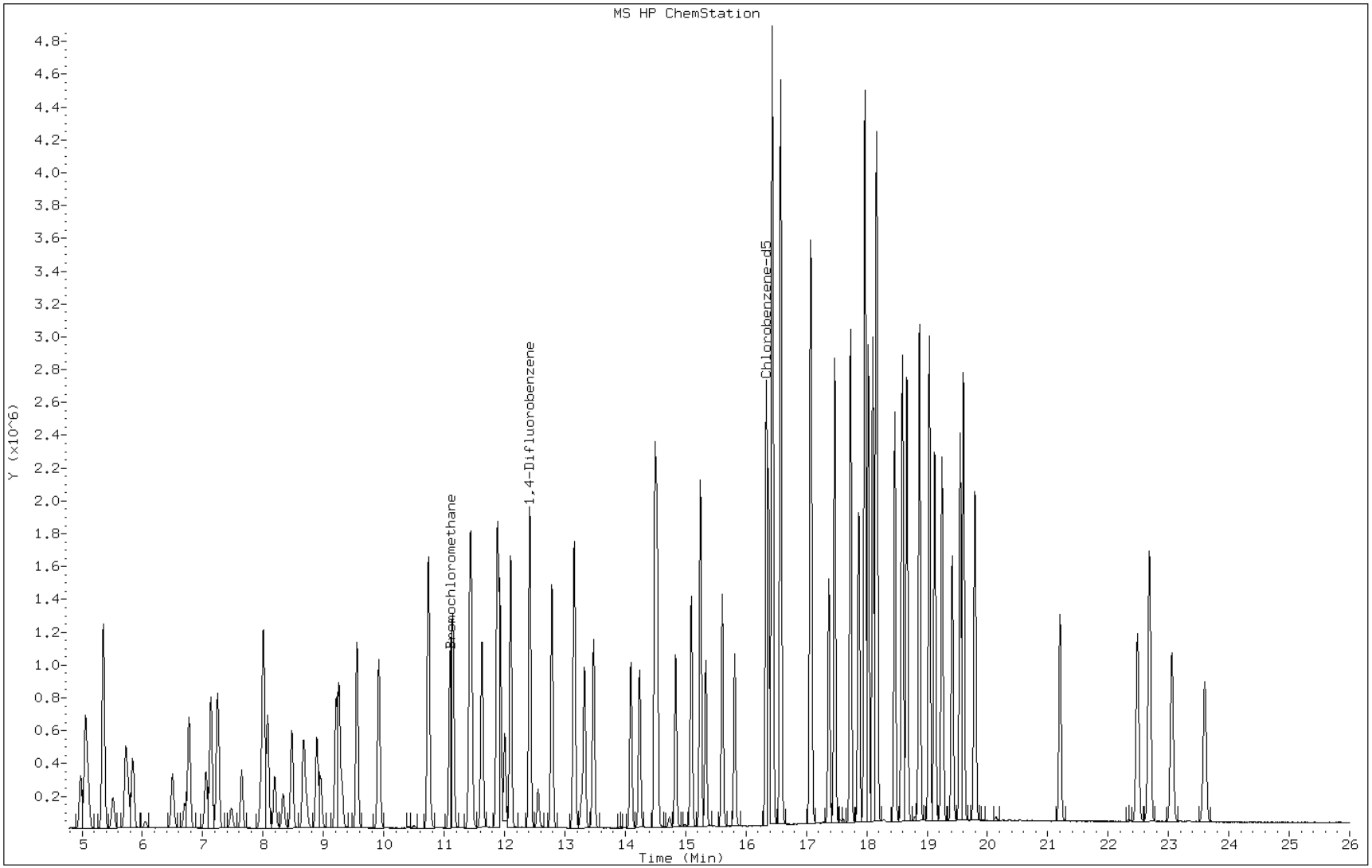
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.211)	1445820	10.0000	9.7
94 1,2,4-Trichlorobenzene	180	22.487	22.487	(1.376)	760164	10.0000	9.4
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	649779	10.0000	9.1

QC Flag Legend

M - Compound response manually integrated.

Data File: ckq007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 275682
Lab Sample ID: icis 275682

Date: 24-FEB-2012 13:22
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq007.d
Lab Sample ID: icis 275682
Inj. Date and Time: 24-FEB-2012 13:22
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

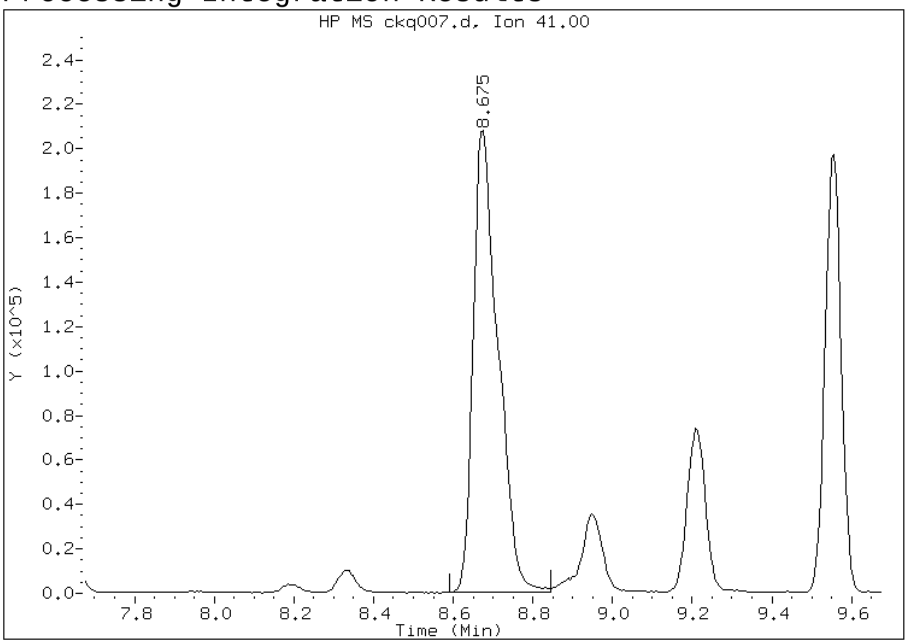
Processing Integration Results

RT: 8.68

Response: 899234

Amount: 10.99

Conc: 10.99



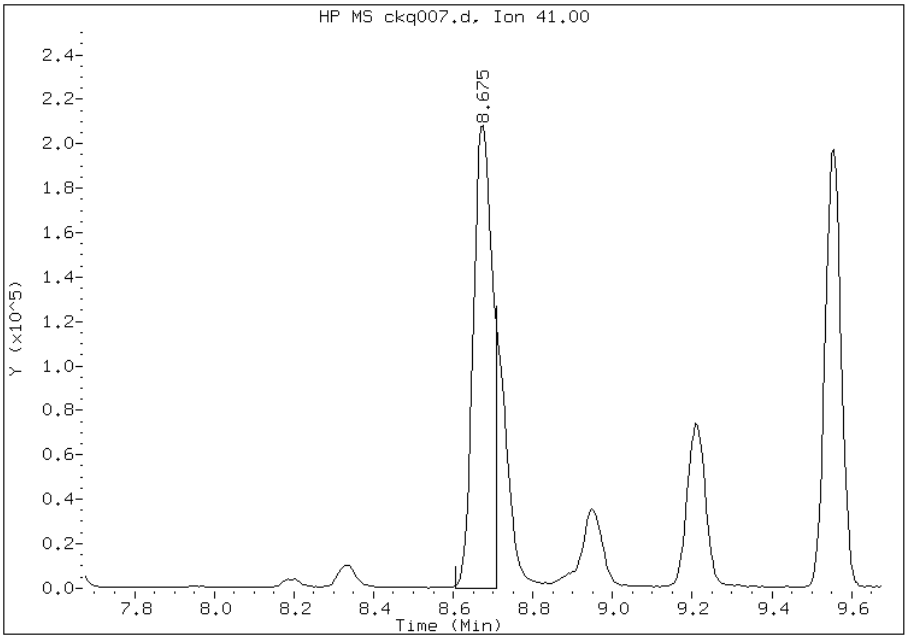
Manual Integration Results

RT: 8.68

Response: 689206

Amount: 9.70

Conc: 9.70



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq008.d
Lab Smp Id: ic 279073
Inj Date : 24-FEB-2012 14:13
Operator : wrd Inst ID: C.i
Smp Info : ic 279073
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 14:13 Cal File: ckq008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	1787663	15.0000	13
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.482)	2025646	15.0000	14
5 Chloromethane	50	5.511	5.511	(0.497)	614768	15.0000	14
7 Vinyl chloride	62	5.762	5.767	(0.519)	730487	15.0000	14
8 1,3-Butadiene	54	5.836	5.842	(0.526)	556280	15.0000	14
9 Bromomethane	94	6.498	6.503	(0.586)	641861	15.0000	14
10 Chloroethane	64	6.696	6.696	(0.604)	370906	15.0000	14
12 Vinyl bromide	106	7.053	7.053	(0.636)	715420	15.0000	15
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	1828839	15.0000	14
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	1430700	15.0000	14
19 1,1-Dichloroethene	96	8.073	8.072	(0.728)	734791	15.0000	15
20 Acetone	43	8.190	8.190	(0.738)	812390	15.0000	12
21 Carbon disulfide	76	8.478	8.478	(0.764)	2193978	15.0000	14
22 Isopropanol	45	8.329	8.334	(0.751)	694822	15.0000	15

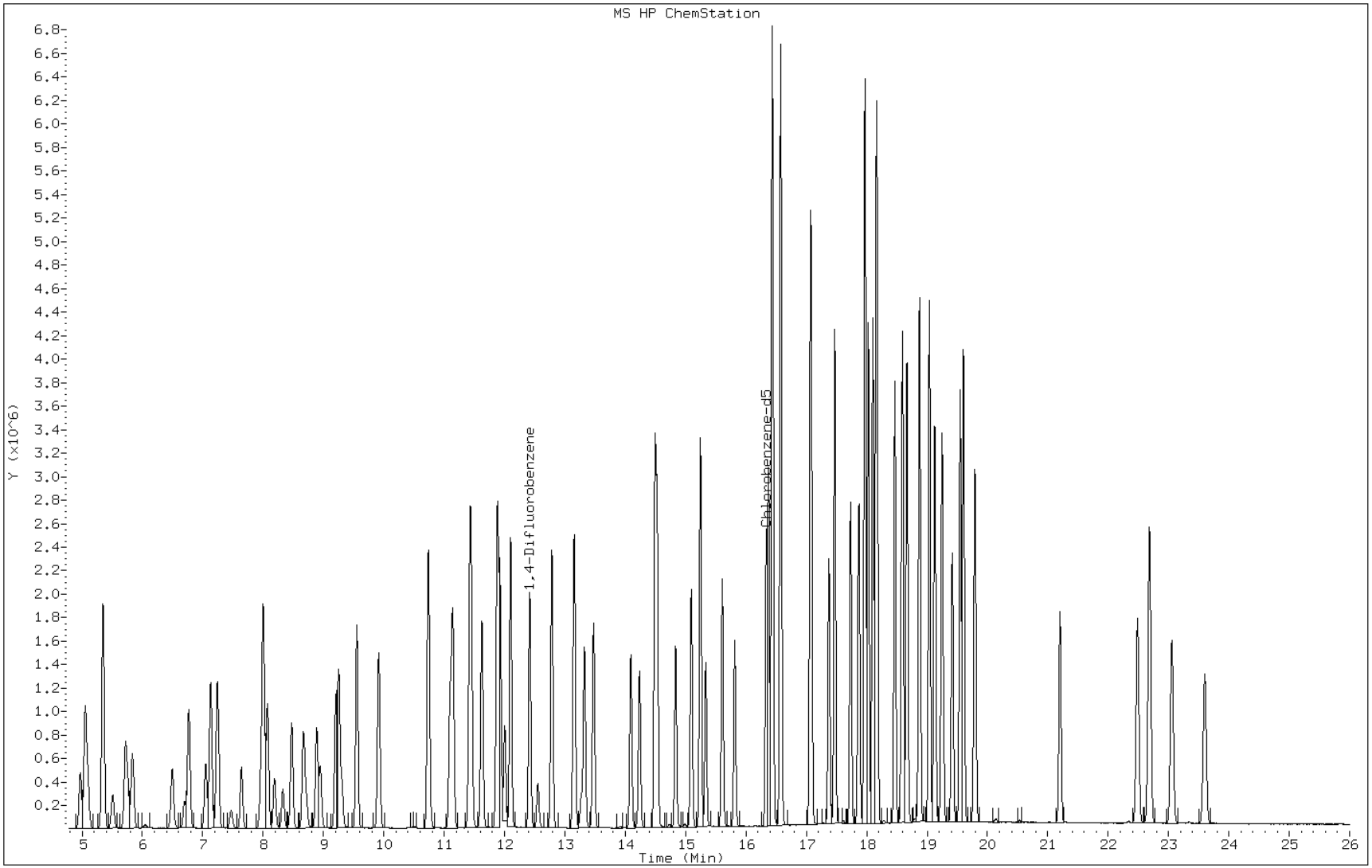
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.670	8.675	(0.782)	1063578	15.0000	14(M)
25	Methylene chloride	49	8.889	8.889	(0.801)	748269	15.0000	14
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	1031574	15.0000	15
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	1843318	15.0000	12
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	1099672	15.0000	14
30	n-Hexane	57	9.551	9.556	(0.861)	1292568	15.0000	14
31	1,1-Dichloroethane	63	9.925	9.924	(0.895)	1382774	15.0000	14
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	834635	15.0000	14
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	321667	15.0000	12
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	428886	10.0000	
38	Tetrahydrofuran	42	11.125	11.130	(0.896)	658169	15.0000	13
39	Chloroform	83	11.147	11.146	(1.005)	1587422	15.0000	14
40	Cyclohexane	84	11.451	11.451	(0.922)	1196919	15.0000	14
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1666725	15.0000	14
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	1646725	15.0000	14
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	4023487	15.0000	14
44	Benzene	78	11.926	11.926	(0.960)	2610721	15.0000	14
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	1000924	15.0000	14
46	n-Heptane	43	12.102	12.102	(0.975)	1435724	15.0000	13
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2442633	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	1185049	15.0000	15
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	873852	15.0000	13
51	Methyl methacrylate	69	13.159	13.159	(1.060)	727359	15.0000	13
53	1,4-Dioxane	88	13.271	13.276	(1.069)	319613	15.0000	15
54	Bromodichloromethane	83	13.479	13.479	(1.086)	1764940	15.0000	14
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	1352374	15.0000	14
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	1288082	15.0000	12
58	Toluene	92	14.525	14.525	(0.889)	1753871	15.0000	15
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	1289654	15.0000	13
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	807727	15.0000	15
61	Tetrachloroethene	166	15.245	15.245	(0.933)	1427981	15.0000	17
63	Dibromochloromethane	129	15.608	15.608	(0.955)	1650585	15.0000	16
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	1536172	15.0000	16
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	1945696	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	2314714	15.0000	16
68	Ethylbenzene	91	16.436	16.435	(1.006)	3508764	15.0000	15
69	Xylene (m,p)	106	16.574	16.574	(1.014)	2856445	30.0000	30
71	Xylene (o)	106	17.065	17.065	(1.044)	1389413	15.0000	15
72	Styrene	104	17.087	17.086	(1.046)	2259153	15.0000	16
73	Bromoform	173	17.375	17.375	(1.063)	1486095	15.0000	16
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	2038233	15.0000	15
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	4157030	15.0000	16
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	3522537	15.0000	15
81	1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	3437469	15.0000	16
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	3433049	15.0000	16
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	2334649	15.0000	16
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	2302417	15.0000	16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.792	19.792	(1.211)	2198554	15.0000	16
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	1172674	15.0000	16
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	1014452	15.0000	16

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckq008.d	Date:	24-FEB-2012 14:13
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279073		
Lab Sample ID:	ic 279073		



Manual Integration Report

Data File: ckq008.d
Lab Sample ID: ic 279073
Inj. Date and Time: 24-FEB-2012 14:13
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

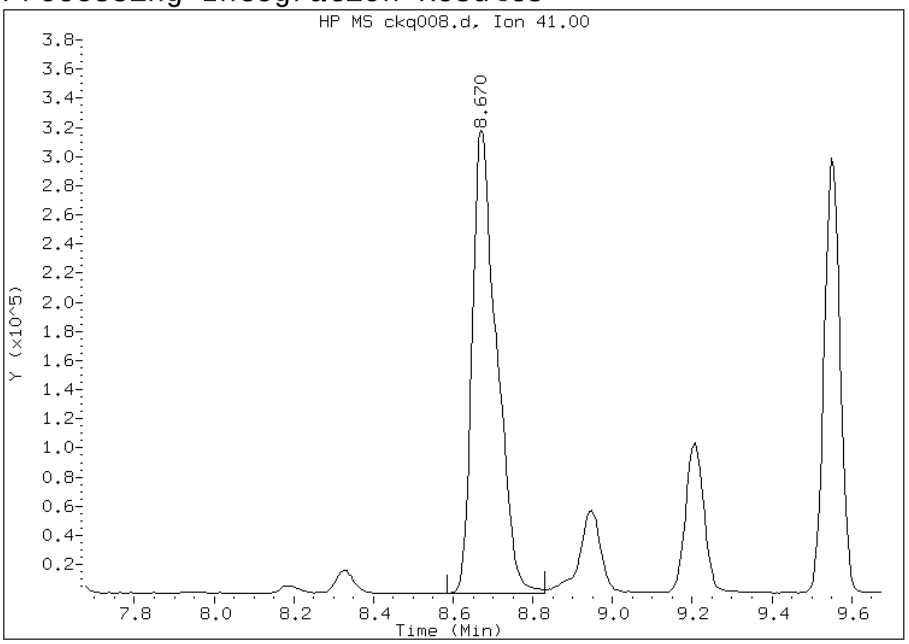
Processing Integration Results

RT: 8.67

Response: 1349098

Amount: 14.86

Conc: 14.86



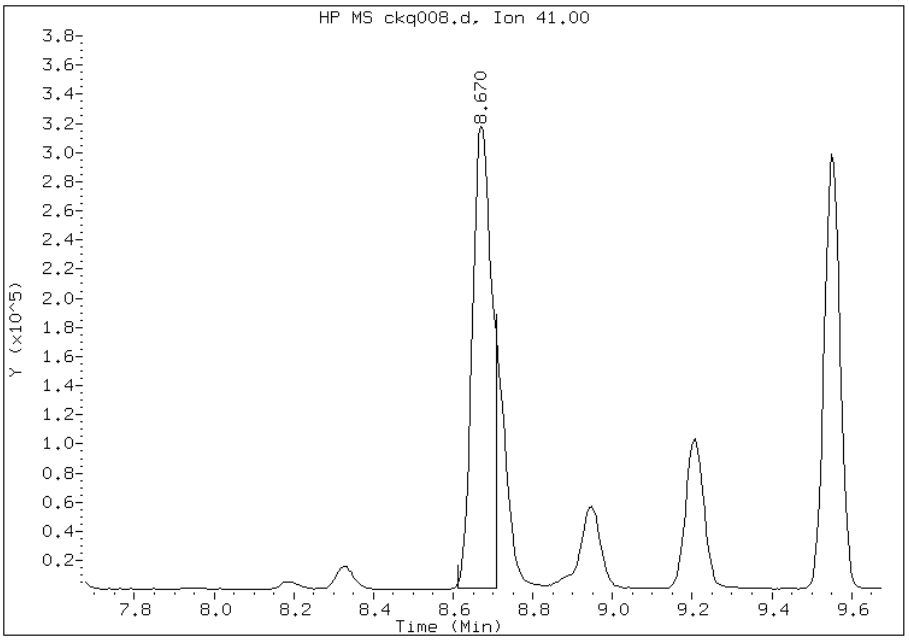
Manual Integration Results

RT: 8.67

Response: 1063578

Amount: 13.90

Conc: 13.90



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq009.d
Lab Smp Id: ic 279072
Inj Date : 24-FEB-2012 15:03
Operator : wrd Inst ID: C.i
Smp Info : ic 279072
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:03 Cal File: ckq009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.455)	2418109	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.482)	2738934	20.0000	18
5 Chloromethane	50	5.505	5.511	(0.496)	828391	20.0000	18
7 Vinyl chloride	62	5.762	5.767	(0.519)	984794	20.0000	18
8 1,3-Butadiene	54	5.836	5.842	(0.526)	748362	20.0000	18
9 Bromomethane	94	6.498	6.503	(0.586)	890727	20.0000	18
10 Chloroethane	64	6.696	6.696	(0.604)	511219	20.0000	18
12 Vinyl bromide	106	7.048	7.053	(0.635)	986421	20.0000	19
13 Trichlorofluoromethane	101	7.133	7.138	(0.643)	2511634	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.998	7.998	(0.721)	1973220	20.0000	19
19 1,1-Dichloroethene	96	8.072	8.072	(0.728)	1007176	20.0000	19
20 Acetone	43	8.185	8.190	(0.738)	1190841	20.0000	17
21 Carbon disulfide	76	8.473	8.478	(0.764)	3057777	20.0000	19
22 Isopropanol	45	8.329	8.334	(0.751)	994940	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.670	8.675	(0.782)	1380279	20.0000	17(M)
25	Methylene chloride	49	8.884	8.889	(0.801)	1006926	20.0000	18
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	1431235	20.0000	20
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	2705044	20.0000	18
28	1,2-Dichloroethene (trans)	61	9.257	9.263	(0.834)	1489183	20.0000	18
30	n-Hexane	57	9.551	9.556	(0.861)	1744773	20.0000	18
31	1,1-Dichloroethane	63	9.924	9.924	(0.895)	1882835	20.0000	18
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	1144021	20.0000	19
36	Methyl Ethyl Ketone	72	10.736	10.736	(0.968)	475256	20.0000	17(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	451231	10.0000	
38	Tetrahydrofuran	42	11.125	11.130	(0.896)	941802	20.0000	18
39	Chloroform	83	11.147	11.146	(1.005)	2156842	20.0000	18
40	Cyclohexane	84	11.451	11.451	(0.922)	1644852	20.0000	18
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	2272479	20.0000	18
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	2272562	20.0000	18
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	5403236	20.0000	18
44	Benzene	78	11.931	11.926	(0.961)	3591240	20.0000	18
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	1355871	20.0000	18
46	n-Heptane	43	12.102	12.102	(0.975)	1911105	20.0000	17
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2598209	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	1581586	20.0000	19
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	1193624	20.0000	17
51	Methyl methacrylate	69	13.159	13.159	(1.060)	1084389	20.0000	19
53	1,4-Dioxane	88	13.271	13.276	(1.069)	464492	20.0000	20
54	Bromodichloromethane	83	13.479	13.479	(1.086)	2423703	20.0000	19
55	1,3-Dichloropropene (cis)	75	14.092	14.092	(1.135)	1891739	20.0000	18
56	Methyl isobutyl ketone	43	14.242	14.237	(1.147)	1896428	20.0000	18
58	Toluene	92	14.525	14.525	(0.889)	2520112	20.0000	19
59	1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	1837141	20.0000	18
60	1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	1146525	20.0000	19
61	Tetrachloroethene	166	15.245	15.245	(0.933)	2032412	20.0000	21
63	Dibromochloromethane	129	15.608	15.608	(0.955)	2369689	20.0000	20
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	2194114	20.0000	20
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	2282351	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	3337996	20.0000	19
68	Ethylbenzene	91	16.435	16.435	(1.006)	5068587	20.0000	18
69	Xylene (m,p)	106	16.574	16.574	(1.014)	4198756	40.0000	38
71	Xylene (o)	106	17.065	17.065	(1.044)	2021726	20.0000	19
72	Styrene	104	17.087	17.086	(1.046)	3300211	20.0000	20
73	Bromoform	173	17.375	17.375	(1.063)	2185436	20.0000	21
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	2926653	20.0000	19
79	4-Ethyltoluene	105	18.101	18.100	(1.108)	6138855	20.0000	20
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	5025320	20.0000	18
81	1,3,5-Trimethylbenzene	105	18.175	18.170	(1.112)	5079420	20.0000	20
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	5062174	20.0000	20
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	3414291	20.0000	20
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	3382031	20.0000	20

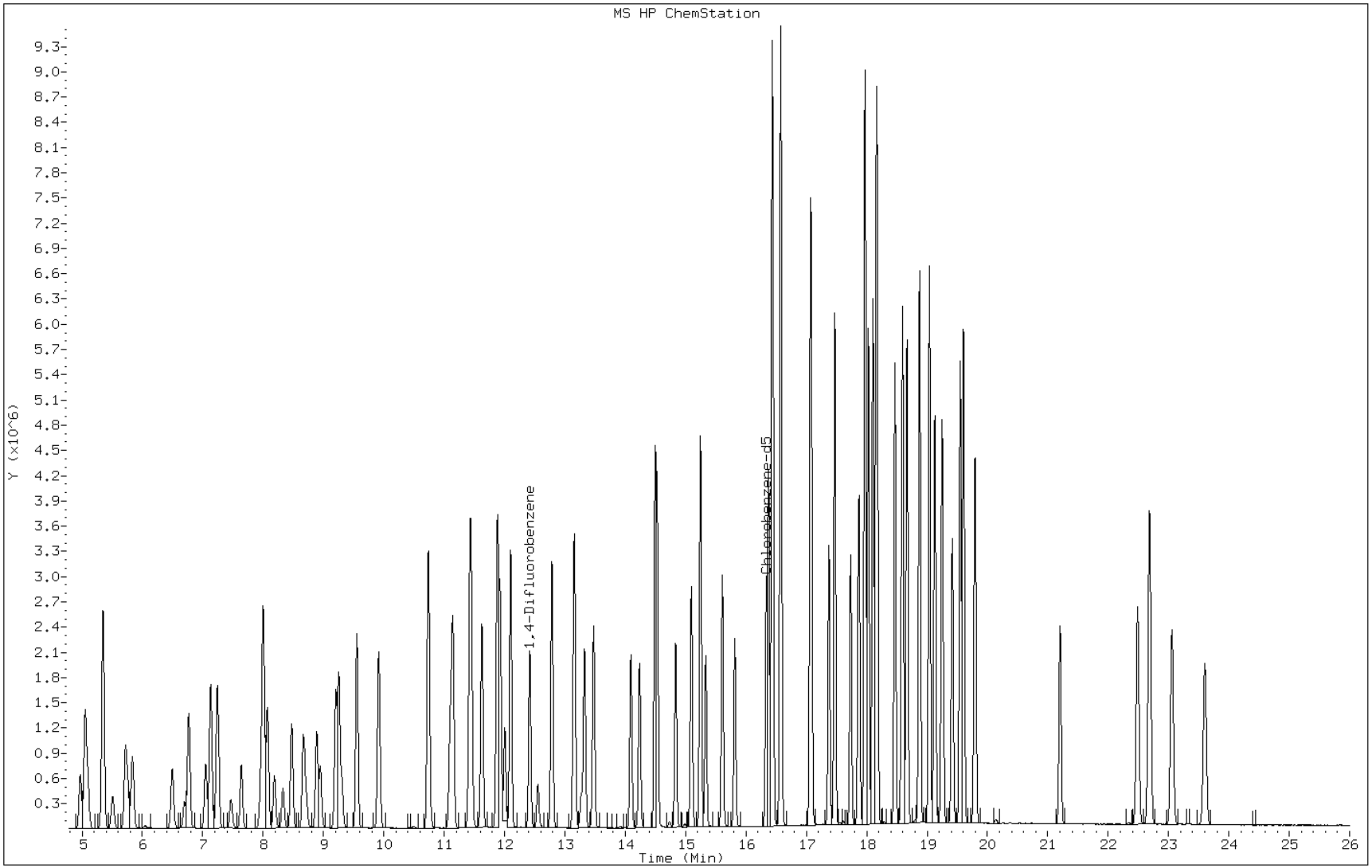
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	3227425	20.0000	20
94 1,2,4-Trichlorobenzene	180	22.487	22.487	(1.376)	1772104	20.0000	21
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	1536973	20.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: ckq009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 279072
Lab Sample ID: ic 279072

Date: 24-FEB-2012 15:03
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckq009.d
Lab Sample ID: ic 279072
Inj. Date and Time: 24-FEB-2012 15:03
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

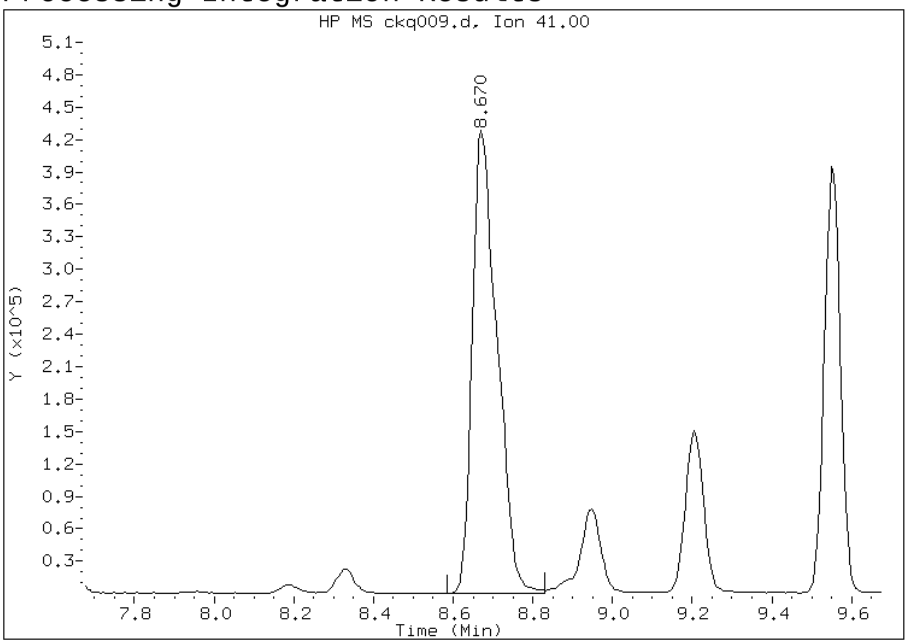
Processing Integration Results

RT: 8.67

Response: 1852882

Amount: 18.75

Conc: 18.75



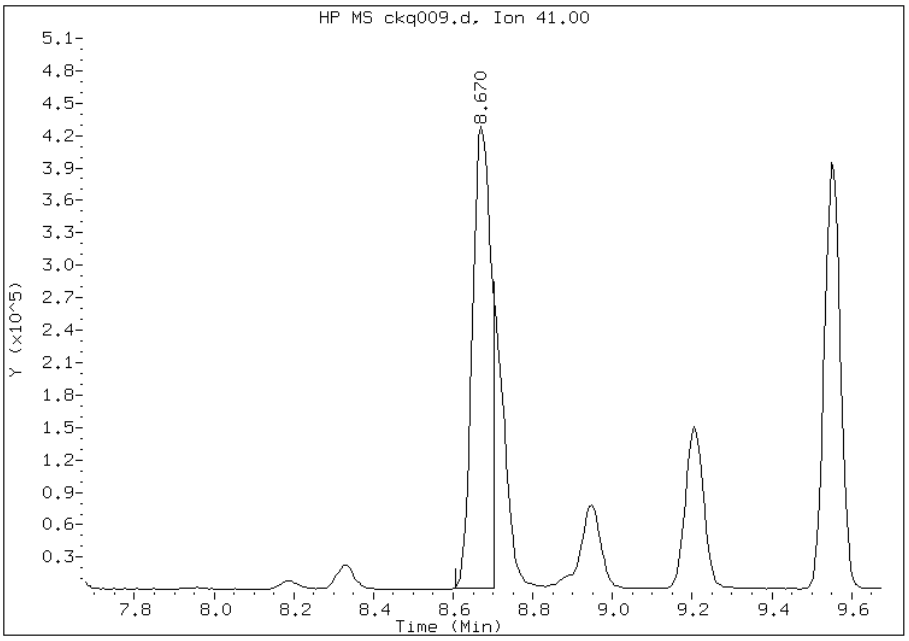
Manual Integration Results

RT: 8.67

Response: 1380279

Amount: 17.30

Conc: 17.30



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq010.d
Lab Smp Id: ic 275630
Inj Date : 24-FEB-2012 15:53
Operator : wrd Inst ID: C.i
Smp Info : ic 275630
Misc Info : 200,1, ic
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.047	5.057	(0.455)	4858897	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.481)	5514119	40.0000	33
5 Chloromethane	50	5.500	5.511	(0.496)	1675343	40.0000	33
7 Vinyl chloride	62	5.751	5.767	(0.518)	1987300	40.0000	33
8 1,3-Butadiene	54	5.831	5.842	(0.526)	1521418	40.0000	34
9 Bromomethane	94	6.488	6.503	(0.585)	1866873	40.0000	35
10 Chloroethane	64	6.690	6.696	(0.603)	1024082	40.0000	34
12 Vinyl bromide	106	7.043	7.053	(0.635)	2085288	40.0000	37
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	5204334	40.0000	35
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.998	(0.720)	4085797	40.0000	36
19 1,1-Dichloroethene	96	8.067	8.072	(0.727)	2129610	40.0000	36
20 Acetone	43	8.179	8.190	(0.737)	1958274	40.0000	28
21 Carbon disulfide	76	8.468	8.478	(0.763)	6312851	40.0000	36
22 Isopropanol	45	8.329	8.334	(0.751)	1808248	40.0000	34

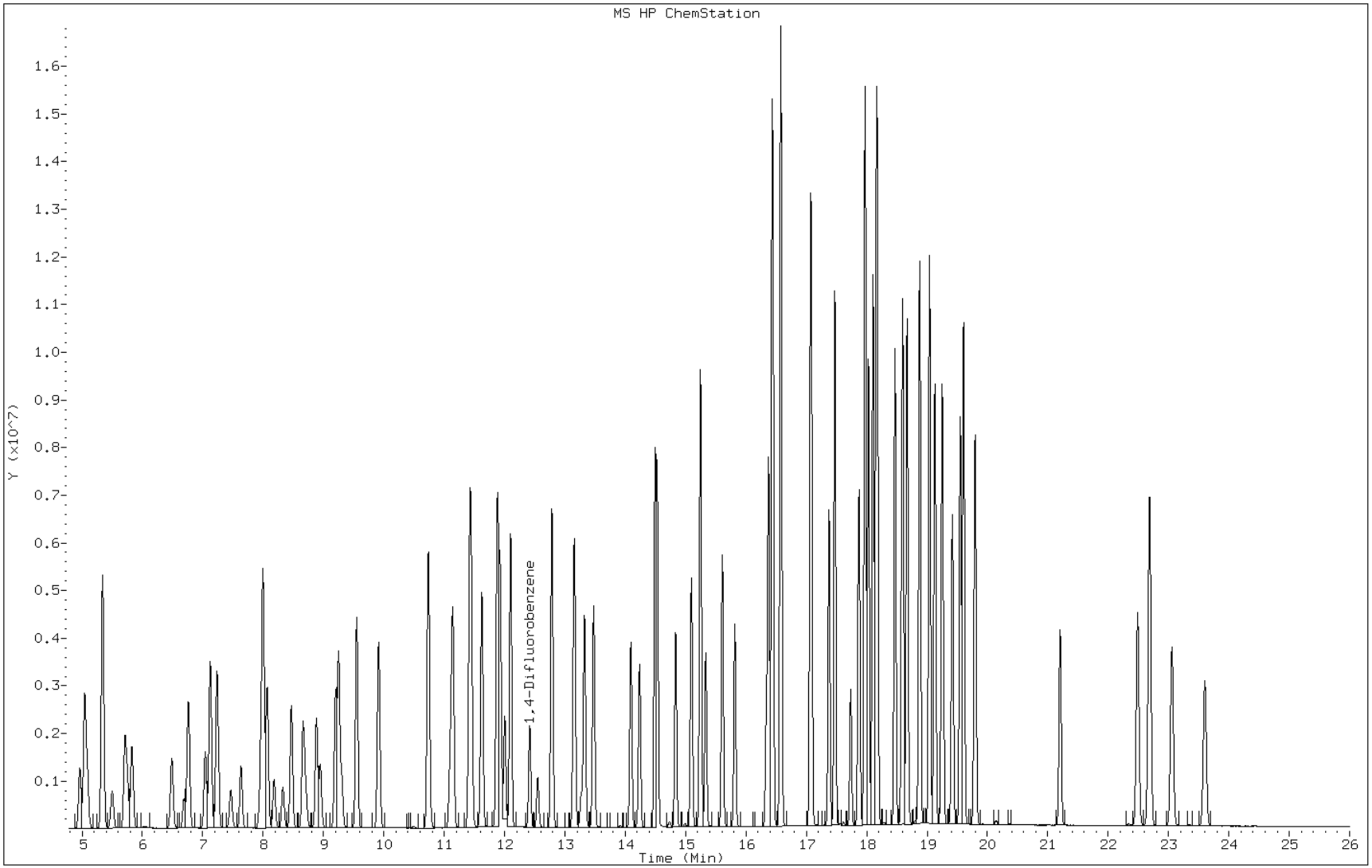
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.665	8.675	(0.781)	2736582	40.0000	32(M)
25	Methylene chloride	49	8.884	8.889	(0.801)	2012967	40.0000	33
26	Tert-butyl alcohol	59	8.948	8.953	(0.807)	2672511	40.0000	35
27	Methyl tert-butyl ether	73	9.204	9.215	(0.830)	4822559	40.0000	30
28	1,2-Dichloroethene (trans)	61	9.252	9.263	(0.834)	2980481	40.0000	33
30	n-Hexane	57	9.551	9.556	(0.861)	3461046	40.0000	33
31	1,1-Dichloroethane	63	9.919	9.924	(0.894)	3737477	40.0000	33
34	1,2-Dichloroethene (cis)	96	10.746	10.746	(0.969)	2361518	40.0000	36
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.967)	781125	40.0000	27(Q)
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	487632	10.0000	
38	Tetrahydrofuran	42	11.120	11.130	(0.896)	1559926	40.0000	31
39	Chloroform	83	11.147	11.146	(1.005)	4379959	40.0000	34
40	Cyclohexane	84	11.451	11.451	(0.922)	3302289	40.0000	36
41	1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	4629609	40.0000	37
42	Carbon tetrachloride	117	11.622	11.621	(0.936)	4755235	40.0000	39
43	2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	10490708	40.0000	34
44	Benzene	78	11.926	11.926	(0.960)	7276659	40.0000	36
45	1,2-Dichloroethane	62	12.006	12.006	(0.967)	2709669	40.0000	36
46	n-Heptane	43	12.102	12.102	(0.975)	3602544	40.0000	32
* 47	1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2642118	10.0000	
49	Trichloroethene	95	12.785	12.785	(1.030)	3333391	40.0000	39
50	1,2-Dichloropropane	63	13.148	13.148	(1.059)	2211860	40.0000	32
51	Methyl methacrylate	69	13.159	13.159	(1.060)	1846210	40.0000	33
53	1,4-Dioxane	88	13.271	13.276	(1.069)	783059	40.0000	34
54	Bromodichloromethane	83	13.479	13.479	(1.086)	4786521	40.0000	37
55	1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	3639100	40.0000	35
56	Methyl isobutyl ketone	43	14.237	14.237	(1.147)	3277959	40.0000	31
58	Toluene	92	14.525	14.525	(0.889)	4750102	40.0000	42(A)
59	1,3-Dichloropropene (trans)	75	14.840	14.834	(1.195)	3484088	40.0000	35
60	1,1,2-Trichloroethane	83	15.096	15.090	(0.924)	2121180	40.0000	40(A)
61	Tetrachloroethene	166	15.245	15.245	(0.933)	4399736	40.0000	52(A)
63	Dibromochloromethane	129	15.608	15.608	(0.955)	4705318	40.0000	47(A)
64	1,2-Dibromoethane	107	15.811	15.811	(0.968)	4201543	40.0000	44(A)
* 65	Chlorobenzene-d5	117	16.339	16.339	(1.000)	1894883	10.0000	
66	Chlorobenzene	112	16.377	16.377	(1.002)	6497191	40.0000	44(A)
68	Ethylbenzene	91	16.436	16.435	(1.006)	9085457	40.0000	39
69	Xylene (m,p)	106	16.574	16.574	(1.014)	7826064	80.0000	85(A)
71	Xylene (o)	106	17.071	17.065	(1.045)	3767863	40.0000	42(A)
72	Styrene	104	17.087	17.086	(1.046)	6248765	40.0000	45(A)
73	Bromoform	173	17.375	17.375	(1.063)	4542557	40.0000	51(A)
75	1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	5312321	40.0000	40(A)
79	4-Ethyltoluene	105	18.106	18.100	(1.108)	11582927	40.0000	45(A)
80	2-Chlorotoluene	91	18.154	18.154	(1.111)	9124504	40.0000	40
81	1,3,5-Trimethylbenzene	105	18.175	18.170	(1.112)	9452592	40.0000	44(A)
84	1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	9464698	40.0000	45(A)
87	1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	6827406	40.0000	48(A)
88	1,4-Dichlorobenzene	146	19.253	19.248	(1.178)	6780270	40.0000	48(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	6316851	40.0000	47(A)
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	3122632	40.0000	45(A)
95 1,3-Hexachlorobutadiene	225	22.690	22.685	(1.389)	2951529	40.0000	48(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq010.d	Date:	24-FEB-2012 15:53
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275630		
Lab Sample ID:	ic 275630		



Manual Integration Report

Data File: ckq010.d
Lab Sample ID: ic 275630
Inj. Date and Time: 24-FEB-2012 15:53
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 02/28/2012

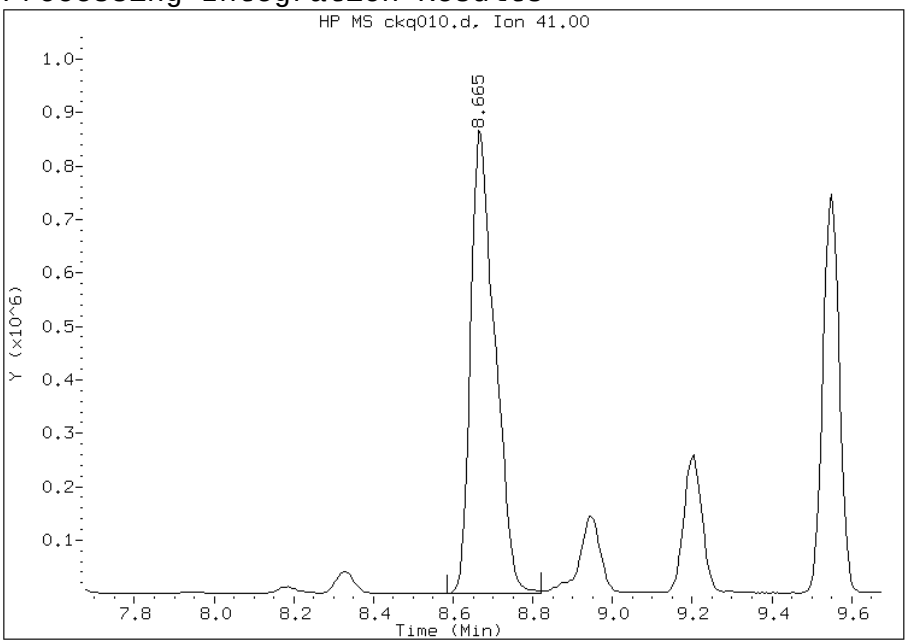
Processing Integration Results

RT: 8.66

Response: 3657850

Amount: 41.03

Conc: 41.03



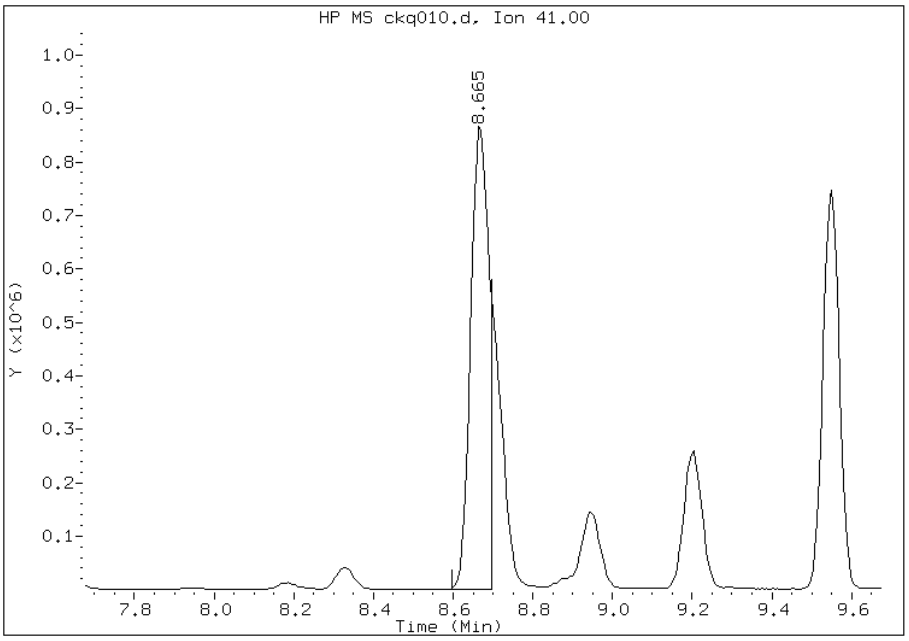
Manual Integration Results

RT: 8.66

Response: 2736582

Amount: 31.87

Conc: 31.87



File Uploaded By: jd1
Manual Integration Reason: Poor chromatography

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-34489/4	ic 279316	ggh004.d
Level 2	IC 200-34489/6	ic 279313	ggh006.d
Level 3	IC 200-34489/7	ic 275709	ggh007.d
Level 4	ICIS 200-34489/8	icis 291253	ggh008.d
Level 5	IC 200-34489/9	ic 279073	ggh009.d
Level 6	IC 200-34489/10	ic 279072	ggh010.d
Level 7	IC 200-34489/11	ic 275630	ggh011.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 3.7434	4.9047 3.6044	4.5733	4.1701	3.6219	Ave		4.1030				13.3		30.0			
1,2-Dichlorotetrafluoroethane	4.6183 3.5845	4.5549 3.3873	4.4509	4.0199	3.4937	Ave		4.0156				13.2		30.0			
Chloromethane	+++++ 0.8361	1.3337 0.8086	1.0929	0.9645	0.8205	Ave		0.9760				21.2		30.0			
Vinyl chloride	1.3208 1.0394	1.3174 0.9965	1.3021	1.1525	1.0030	Ave		1.1617				13.0		30.0			
1,3-Butadiene	0.8666 0.7002	0.8879 0.6735	0.8673	0.7755	0.6750	Ave		0.7780				12.4		30.0			
Bromomethane	1.4530 1.1569	1.3457 1.1321	1.3606	1.2723	1.1132	Ave		1.2620				10.4		30.0			
Chloroethane	+++++ 0.4578	0.6393 0.4442	0.5565	0.5054	0.4343	Ave		0.5062				15.7		30.0			
Vinyl bromide	1.2667 1.2142	1.3023 1.1899	1.3313	1.2704	1.1461	Ave		1.2458				5.2		30.0			
Trichlorofluoromethane	4.1181 3.6066	4.2599 3.5277	4.1945	3.8689	3.4271	Ave		3.8576				8.9		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.5578 2.2628	2.5427 2.1700	2.5378	2.4268	2.1541	Ave		2.3789				7.6		30.0			
1,1-Dichloroethene	1.0758 0.9966	1.0684 0.9671	1.0749	1.0556	0.9435	Ave		1.0260				5.4		30.0			
Acetone	+++++ 1.0653	+++++ 0.9319	1.6109	1.2701	1.0607	Ave		1.1878				22.4		30.0			
Carbon disulfide	+++++ 2.8910	3.4214 2.8068	3.3354	3.0826	2.7659	Ave		3.0505				9.1		30.0			
Isopropanol	+++++ 0.8362	+++++ 0.7074	0.9371	0.9411	0.8129	Ave		0.8470				11.5		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	1.1396 0.8788	1.2532 0.8158	1.1177	0.9132	0.8552	Ave		0.9962				17.1		30.0			
Methylene Chloride	+++++ 0.8709	1.2082 0.8279	1.0953	0.9723	0.8451	Ave		0.9700				15.8		30.0			
tert-Butyl alcohol	+++++ 1.3986	+++++ 1.2173	1.5271	1.5752	1.3173	Ave		1.4071				10.5		30.0			
1,2-Dichloroethene, trans-	1.8030 1.3509	1.6384 1.2499	1.6422	1.5075	1.2963	Ave		1.4983				13.8		30.0			
Methyl tert-butyl ether	2.9730 2.5178	2.7058 2.2510	2.9356	2.5924	2.4202	Ave		2.6280				10.0		30.0			
n-Hexane	1.3935 1.1608	1.4444 1.0828	1.3614	1.2735	1.1163	Ave		1.2618				11.4		30.0			
1,4-Dioxane	+++++ 0.0907	+++++ 0.0716	0.0832	0.1046	0.0838	Ave		0.0868				13.9		30.0			
1,1-Dichloroethane	2.0556 1.5664	1.9162 1.4447	1.8817	1.6810	1.5052	Ave		1.7215				13.5		30.0			
1,2-Dichloroethene, cis-	1.1487 0.9832	1.0853 0.8958	1.1152	1.0235	0.9432	Ave		1.0278				9.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3172	0.6708 0.2734	0.3763	0.3297	0.3145	Ave		0.3803				38.4	*	30.0			
Chloroform	2.6266 2.0909	2.4003 1.9387	2.4569	2.1933	2.0165	Ave		2.2462				11.3		30.0			
Tetrahydrofuran	+++++ 0.1624	+++++ 0.1373	0.1845	0.1803	0.1492	Ave		0.1627				12.3		30.0			
1,1,1-Trichloroethane	0.8026 0.7289	0.8671 0.6350	0.7759	0.8272	0.6731	Ave		0.7585				11.1		30.0			
Cyclohexane	0.3583 0.3195	0.3650 0.2770	0.3402	0.3689	0.2923	Ave		0.3316				11.0		30.0			
Carbon tetrachloride	0.8737 0.8523	0.9351 0.7647	0.8740	0.9567	0.7834	Ave		0.8628				8.2		30.0			
2,2,4-Trimethylpentane	1.0986 0.9489	1.4063 0.8146	1.0720	1.0879	0.8843	Ave		1.0447				18.5		30.0			
Benzene	0.7538 0.6258	0.7809 0.5547	0.6750	0.6794	0.5721	Ave		0.6631				12.9		30.0			
1,2-Dichloroethane	0.3828 0.3170	0.4294 0.2755	0.3643	0.3542	0.2940	Ave		0.3453				15.5		30.0			
n-Heptane	0.3783 0.2844	0.4105 0.2513	0.3336	0.3270	0.2664	Ave		0.3216				18.2		30.0			
Trichloroethene	0.3680 0.2980	0.4122 0.2574	0.3505	0.3472	0.2834	Ave		0.3310				16.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.2489 0.2018	0.2379 0.1796	0.2174	0.2195	0.1854	Ave		0.2129				12.1		30.0			
Methyl methacrylate	+++++ 0.1824	0.2117 0.1598	0.1794	0.1866	0.1643	Ave		0.1807				10.2		30.0			
Bromodichloromethane	0.6393 0.5360	0.6296 0.4807	0.5869	0.5843	0.4866	Ave		0.5633				11.4		30.0			
1,3-Dichloropropene, cis-	0.3713 0.2957	0.3473 0.2592	0.3226	0.3199	0.2665	Ave		0.3118				13.1		30.0			
Methyl isobutyl ketone	+++++ 0.3112	0.4232 0.2655	0.3384	0.3513	0.2832	Ave		0.3288				17.2		30.0			
Toluene	0.4781 0.4432	0.6194 0.3917	0.4468	0.4975	0.4110	Ave		0.4697				16.0		30.0			
1,3-Dichloropropene, trans-	0.3395 0.3062	0.3715 0.2699	0.3244	0.3279	0.2729	Ave		0.3160				11.5		30.0			
1,1,2-Trichloroethane	0.2514 0.2183	0.2882 0.1946	0.2308	0.2526	0.2007	Ave		0.2338				14.1		30.0			
Tetrachloroethene	0.5657 0.5139	0.6181 0.4778	0.5075	0.5656	0.4734	Ave		0.5317				10.0		30.0			
Dibromochloromethane	0.6464 0.6389	0.7308 0.5786	0.6222	0.7109	0.5794	Ave		0.6439				9.2		30.0			
1,2-Dibromoethane	0.4796 0.4196	0.5312 0.3674	0.4492	0.4821	0.3846	Ave		0.4448				13.1		30.0			
Chlorobenzene	0.6874 0.5926	0.7156 0.5312	0.5945	0.6650	0.5384	Ave		0.6178				11.7		30.0			
Ethylbenzene	1.0002 0.9834	1.1157 0.8628	0.9640	1.0822	0.8991	Ave		0.9868				9.2		30.0			
m-Xylene & p-Xylene	0.3728 0.4002	0.4268 0.3498	0.3802	0.4371	0.3670	Ave		0.3906				8.2		30.0			
o-Xylene	0.4339 0.4180	0.4397 0.3729	0.4046	0.4531	0.3871	Ave		0.4156				7.0		30.0			
Styrene	0.4436 0.5666	0.5368 0.5092	0.5172	0.6130	0.5122	Ave		0.5284				10.0		30.0			
Bromoform	0.5587 0.6735	0.6452 0.6256	0.5973	0.7048	0.5994	Ave		0.6292				7.9		30.0			
1,1,2,2-Tetrachloroethane	0.6274 0.5743	0.7096 0.4990	0.5943	0.6579	0.5373	Ave		0.6000				12.0		30.0			
4-Ethyltoluene	0.8806 1.1542	1.0456 1.0171	1.0730	1.2329	1.0544	Ave		1.0654				10.4		30.0			
2-Chlorotoluene	1.0994 1.0603	1.2343 0.9382	1.0647	1.1809	0.9830	Ave		1.0801				9.6		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	0.8749 1.0249	1.0414 0.9108	1.0008	1.1272	0.9531	Ave		0.9905				8.6		30.0			
1,2,4-Trimethylbenzene	0.7835 0.9949	0.9633 0.8830	0.9532	1.0795	0.9215	Ave		0.9399				9.8		30.0			
1,3-Dichlorobenzene	0.5116 0.6443	0.6003 0.5950	0.5591	0.6671	0.5640	Ave		0.5916				8.9		30.0			
1,4-Dichlorobenzene	0.4727 0.5966	0.5767 0.5588	0.5062	0.6095	0.5169	Ave		0.5482				9.3		30.0			
1,2-Dichlorobenzene	0.5055 0.6425	0.6117 0.5887	0.5765	0.6875	0.5801	Ave		0.5989				9.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3093	0.2048 0.2423	0.2164	0.2925	0.2521	Ave		0.2529				16.3		30.0			
Hexachlorobutadiene	0.5157 0.5754	0.6584 0.4409	0.5779	0.6475	0.5461	Ave		0.5660				13.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34489/4	ggh004.d
Level 2	IC 200-34489/6	ggh006.d
Level 3	IC 200-34489/7	ggh007.d
Level 4	ICIS 200-34489/8	ggh008.d
Level 5	IC 200-34489/9	ggh009.d
Level 6	IC 200-34489/10	ggh010.d
Level 7	IC 200-34489/11	ggh011.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	+++++ 6362078	171942 12430839	1624478	3235144	4888261	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	65738 6091910	159679 11682327	1581006	3118693	4715242	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	+++++ 1420994	46754 2788695	388220	748246	1107372	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	18800 1766433	46183 3436706	462528	894095	1353703	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	12335 1190021	31128 2322801	308066	601612	910978	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	20683 1966148	47177 3904415	483298	987078	1502495	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	+++++ 777980	22411 1531882	197688	392084	586174	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	18030 2063497	45653 4103658	472893	985579	1546890	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	58619 6129596	149338 12166367	1489905	3001544	4625390	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	36409 3845770	89138 7483875	901447	1882753	2907261	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	15313 1693709	37455 3335350	381826	818954	1273383	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	+++++ 1810554	+++++ 3213802	572195	985332	1431547	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	+++++ 4913377	119942 9680072	1184771	2391514	3732963	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	+++++ 1421197	+++++ 2439721	332879	730084	1097186	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	16222 1493480	43932 2813520	397033	708462	1154215	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	+++++ 1480102	42357 2855250	389062	754302	1140630	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	+++++ 2376924	+++++ 4198255	542422	1222058	1777836	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	25665 2295919	57437 4310832	583333	1169515	1749588	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	42319 4279057	94855 7763313	1042744	2011212	3266407	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19835 1972737	50635 3734385	483593	988025	1506686	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	+++++ 566474	+++++ 955049	116291	281028	433312	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	29260 2662193	67176 4982634	668387	1304149	2031452	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	16351 1670919	38047 3089444	396127	794024	1273057	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 539116	23515 942954	133679	255820	424521	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	37388 3553543	84145 6686175	872710	1701594	2721643	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	+++++ 1014884	+++++ 1832176	257729	484430	771685	+++++ 20.0	+++++ 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	43834 4554000	107388 8475788	1084032	2222490	3481378	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	19569 1995856	45201 3696866	475314	991304	1511864	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	47716 5324378	115820 10206950	1221117	2570543	4051952	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	59999 5928425	174176 10873171	1497851	2922979	4574148	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	41172 3909348	96722 7403606	943185	1825535	2959081	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	20906 1980519	53182 3676995	508970	951608	1520494	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	20663 1776635	50838 3354574	466068	878604	1378025	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	20101 1861840	51046 3436173	489654	933003	1466076	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13595 1260893	29469 2397517	303762	589729	959156	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	+++++ 1139665	26220 2132874	250686	501311	849661	+++++ 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	34915 3348405	77975 6416592	819986	1569858	2516729	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	20280 1847388	43008 3459684	450767	859526	1378653	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1944335	52417 3544092	472864	943937	1464795	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	22683 2643017	64266 4960886	582949	1185381	1954439	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	18540 1912666	46016 3602856	453304	881085	1411495	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11927 1301761	29903 2465497	301131	601921	954396	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	26840 3064615	64129 6051578	662133	1347510	2250784	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	30669 3810030	75823 7328537	811861	1693873	2754935	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	22756 2502095	55116 4653673	586101	1148564	1828775	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	32612 3533819	74246 6728149	775722	1584399	2560107	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	47453 5864143	115758 10928420	1257791	2578454	4275008	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	35375 4772991	88557 8862263	992080	2082889	3490123	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	20586 2492855	45620 4722878	527862	1079440	1840591	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	21044 3378850	55697 6449682	674821	1460404	2435218	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	26506 4016466	66945 7924499	779356	1679320	2849906	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29769 3424665	73622 6320397	775360	1567460	2554948	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	41779 6882954	108484 12882833	1399981	2937388	5013412	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	52160 6322827	128070 11883618	1389188	2813472	4673937	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41510 6112022	108055 11536746	1305780	2685574	4531993	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	37175 5933237	99947 11183895	1243714	2572100	4381734	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	24272 3842430	62286 7536339	729547	1589435	2681593	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9750-1 Analy Batch No.: 34489

SDG No.: 200-9750-1

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/02/2012 16:43 Calibration End Date: 03/02/2012 22:27 Calibration ID: 13808

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	22425 3557839	59838 7078102	660516	1452133	2457832	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	23984 3831390	63468 7456667	752242	1638136	2758225	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1844526	21247 3068874	282351	696864	1198723	+++++ 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	24466 3431505	68313 5584826	754068	1542708	2596715	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh004.d
Lab Smp Id: ic 279316 Client Smp ID: ic 279316
Inj Date : 02-MAR-2012 16:43
Operator : pad Inst ID: G.i
Smp Info : ic 279316
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 16:43 Cal File: ggh004.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

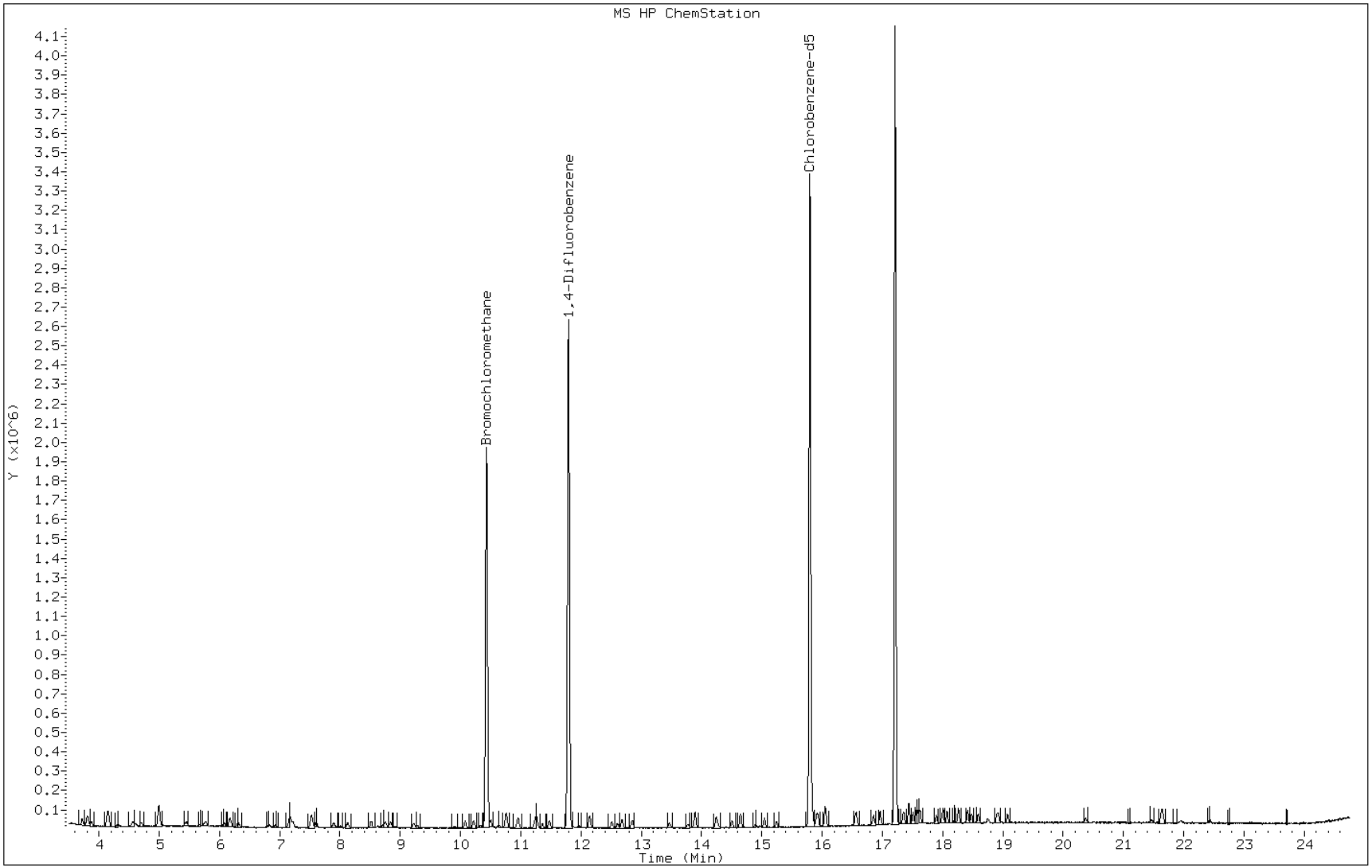
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	69656	0.20000	0.24(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	65738	0.20000	0.23
5 Chloromethane	50	4.311	4.311	(0.413)	18281	0.20000	0.26(a)
7 Vinyl chloride	62	4.611	4.605	(0.442)	18800	0.20000	0.23
8 1,3-Butadiene	54	4.707	4.696	(0.451)	12335	0.20000	0.22
9 Bromomethane	94	5.445	5.440	(0.522)	20683	0.20000	0.23
10 Chloroethane	64	5.692	5.681	(0.546)	8380	0.20000	0.23(a)
12 Vinyl bromide	106	6.082	6.071	(0.583)	18030	0.20000	0.20
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	58619	0.20000	0.21
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.173	7.168	(0.688)	36409	0.20000	0.22
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	15313	0.20000	0.21
20 Acetone	43	7.526	7.414	(0.722)	123654	0.20000	1.5(a)
21 Carbon disulfide	76	7.601	7.612	(0.729)	49721	0.20000	0.23(a)
23 Allyl chloride	41	7.890	7.890	(0.756)	16222	0.20000	0.23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.131	8.126	(0.779)	18207	0.20000	0.26(a)
27	Methyl tert-butyl ether	73	8.757	8.516	(0.839)	42319	0.20000	0.23
28	1,2-Dichloroethene (trans)	61	8.522	8.516	(0.817)	25665	0.20000	0.24
30	n-Hexane	57	8.837	8.837	(0.847)	19835	0.20000	0.22
31	1,1-Dichloroethane	63	9.212	9.222	(0.883)	29260	0.20000	0.24
34	1,2-Dichloroethene (cis)	96	10.084	10.084	(0.967)	16351	0.20000	0.22
36	Methyl Ethyl Ketone	72	10.217	10.100	(0.979)	10920	0.20000	0.40(aQ)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	711716	10.0000	
39	Chloroform	83	10.501	10.501	(1.007)	37388	0.20000	0.23
40	Cyclohexane	84	10.763	10.774	(0.913)	19569	0.20000	0.22
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	43834	0.20000	0.21
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	47716	0.20000	0.20
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	59999	0.20000	0.21
44	Benzene	78	11.266	11.271	(0.956)	41172	0.20000	0.23
45	1,2-Dichloroethane	62	11.368	11.362	(0.964)	20906	0.20000	0.22
46	n-Heptane	43	11.475	11.474	(0.973)	20663	0.20000	0.24
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2730805	10.0000	
49	Trichloroethene	95	12.149	12.143	(1.030)	20101	0.20000	0.22
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	13595	0.20000	0.23
51	Methyl methacrylate	69	12.609	12.566	(1.069)	9504	0.20000	0.19(a)
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	12.839	12.849	(1.089)	34915	0.20000	0.23
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	20280	0.20000	0.24
56	Methyl isobutyl ketone	43	13.780	13.673	(1.169)	18847	0.20000	0.21(a)
58	Toluene	92	13.903	13.898	(0.880)	22683	0.20000	0.20
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	18540	0.20000	0.21
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	11927	0.20000	0.22
61	Tetrachloroethene	166	14.647	14.647	(0.927)	26840	0.20000	0.21
63	Dibromochloromethane	129	15.043	15.043	(0.952)	30669	0.20000	0.20
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	22756	0.20000	0.22
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2372223	10.0000	
66	Chlorobenzene	112	15.835	15.834	(1.002)	32612	0.20000	0.22
68	Ethylbenzene	91	15.909	15.909	(1.007)	47453	0.20000	0.20
69	Xylene (m,p)	106	16.049	16.054	(1.016)	35375	0.40000	0.38(a)
71	Xylene (o)	106	16.551	16.557	(1.048)	20586	0.20000	0.21
72	Styrene	104	16.578	16.578	(1.049)	21044	0.20000	0.17(a)
73	Bromoform	173	16.851	16.856	(1.067)	26506	0.20000	0.18(a)
75	1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	29769	0.20000	0.21
79	4-Ethyltoluene	105	17.563	17.562	(1.112)	41779	0.20000	0.17(a)
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	52160	0.20000	0.20
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	41510	0.20000	0.18(a)
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	37175	0.20000	0.17(a)
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	24272	0.20000	0.17(a)
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	22425	0.20000	0.17(a)
92	1,2-Dichlorobenzene	146	19.076	19.082	(1.208)	23984	0.20000	0.17(a)
94	1,2,4-Trichlorobenzene	180	21.468	21.462	(1.359)	6459	0.20000	0.11(a)
95	1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	24466	0.20000	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh004.d	Date:	02-MAR-2012 16:43
Client ID:	ic 279316	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279316		
Lab Sample ID:	ic 279316		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh006.d
Lab Smp Id: ic 279313 Client Smp ID: ic 279313
Inj Date : 02-MAR-2012 18:22
Operator : pad Inst ID: G.i
Smp Info : ic 279313
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 18:22 Cal File: ggh006.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

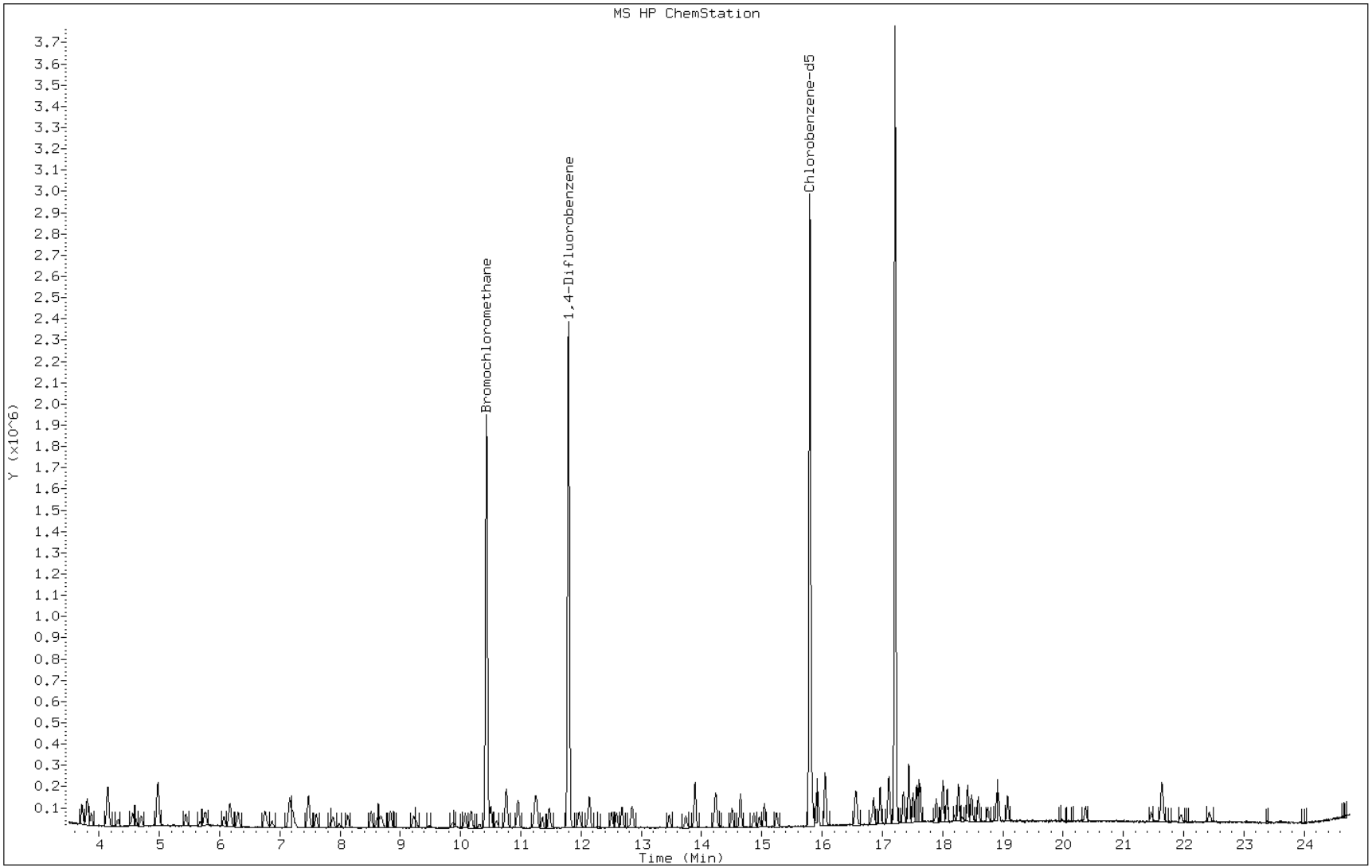
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	171942	0.50000	0.60
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.140	4.145	(0.397)	159679	0.50000	0.57
5 Chloromethane	50	4.317	4.311	(0.414)	46754	0.50000	0.68
7 Vinyl chloride	62	4.611	4.605	(0.442)	46183	0.50000	0.57
8 1,3-Butadiene	54	4.702	4.696	(0.451)	31128	0.50000	0.57
9 Bromomethane	94	5.440	5.440	(0.522)	47177	0.50000	0.53
10 Chloroethane	64	5.681	5.681	(0.545)	22411	0.50000	0.63
12 Vinyl bromide	106	6.077	6.071	(0.583)	45653	0.50000	0.52
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	149338	0.50000	0.55
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	89138	0.50000	0.53
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	37455	0.50000	0.52
20 Acetone	43	7.478	7.414	(0.717)	274771	0.50000	3.3(a)
21 Carbon disulfide	76	7.612	7.612	(0.730)	119942	0.50000	0.56
23 Allyl chloride	41	7.885	7.890	(0.756)	43932	0.50000	0.63

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.126	8.126	(0.779)	42357	0.50000	0.62
27	Methyl tert-butyl ether	73	8.671	8.516	(0.831)	94855	0.50000	0.51
28	1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	57437	0.50000	0.55
30	n-Hexane	57	8.842	8.837	(0.848)	50635	0.50000	0.57
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	67176	0.50000	0.56
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	38047	0.50000	0.53
36	Methyl Ethyl Ketone	72	10.164	10.100	(0.974)	23515	0.50000	0.88(Q)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	701134	10.0000	
39	Chloroform	83	10.501	10.501	(1.007)	84145	0.50000	0.53
40	Cyclohexane	84	10.768	10.774	(0.913)	45201	0.50000	0.55
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	107388	0.50000	0.57
42	Carbon tetrachloride	117	10.945	10.956	(0.928)	115820	0.50000	0.54
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	174176	0.50000	0.67
44	Benzene	78	11.266	11.271	(0.956)	96722	0.50000	0.59
45	1,2-Dichloroethane	62	11.362	11.362	(0.964)	53182	0.50000	0.62
46	n-Heptane	43	11.485	11.474	(0.974)	50838	0.50000	0.64
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2477056	10.0000	
49	Trichloroethene	95	12.143	12.143	(1.030)	51046	0.50000	0.62
50	1,2-Dichloropropane	63	12.507	12.512	(1.061)	29469	0.50000	0.56
51	Methyl methacrylate	69	12.598	12.566	(1.068)	26220	0.50000	0.59(Q)
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	12.849	12.849	(1.090)	77975	0.50000	0.56
55	1,3-Dichloropropene (cis)	75	13.465	13.470	(1.142)	43008	0.50000	0.56
56	Methyl isobutyl ketone	43	13.737	13.673	(1.165)	52417	0.50000	0.64
58	Toluene	92	13.898	13.898	(0.880)	64266	0.50000	0.66
59	1,3-Dichloropropene (trans)	75	14.235	14.240	(1.207)	46016	0.50000	0.59
60	1,1,2-Trichloroethane	83	14.502	14.508	(0.918)	29903	0.50000	0.62
61	Tetrachloroethene	166	14.652	14.647	(0.928)	64129	0.50000	0.58
63	Dibromochloromethane	129	15.043	15.043	(0.952)	75823	0.50000	0.57
64	1,2-Dibromoethane	107	15.241	15.246	(0.965)	55116	0.50000	0.60
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2075128	10.0000	
66	Chlorobenzene	112	15.835	15.834	(1.002)	74246	0.50000	0.58(Q)
68	Ethylbenzene	91	15.909	15.909	(1.007)	115758	0.50000	0.57
69	Xylene (m,p)	106	16.054	16.054	(1.016)	88557	1.00000	1.1
71	Xylene (o)	106	16.557	16.557	(1.048)	45620	0.50000	0.53
72	Styrene	104	16.573	16.578	(1.049)	55697	0.50000	0.51
73	Bromoform	173	16.856	16.856	(1.067)	66945	0.50000	0.51
75	1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	73622	0.50000	0.59
79	4-Ethyltoluene	105	17.557	17.562	(1.111)	108484	0.50000	0.49
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	128070	0.50000	0.57
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	108055	0.50000	0.53
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	99947	0.50000	0.51
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	62286	0.50000	0.51
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	59838	0.50000	0.53
92	1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	63468	0.50000	0.51
94	1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	21247	0.50000	0.40(a)
95	1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	68313	0.50000	0.58

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh006.d	Date:	02-MAR-2012 18:22
Client ID:	ic 279313	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279313		
Lab Sample ID:	ic 279313		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh007.d
Lab Smp Id: ic 275709 Client Smp ID: ic 275709
Inj Date : 02-MAR-2012 19:11
Operator : pad Inst ID: G.i
Smp Info : ic 275709
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 12:35 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 19:11 Cal File: ggh007.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	1624478	5.00000	5.6
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	1581006	5.00000	5.5
5 Chloromethane	50	4.316	4.311	(0.414)	388220	5.00000	5.6
7 Vinyl chloride	62	4.605	4.605	(0.441)	462528	5.00000	5.6
8 1,3-Butadiene	54	4.702	4.696	(0.451)	308066	5.00000	5.6
9 Bromomethane	94	5.440	5.440	(0.522)	483298	5.00000	5.4
10 Chloroethane	64	5.681	5.681	(0.545)	197688	5.00000	5.5
12 Vinyl bromide	106	6.071	6.071	(0.582)	472893	5.00000	5.3
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	1489905	5.00000	5.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.162	7.168	(0.687)	901447	5.00000	5.3
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	381826	5.00000	5.2
20 Acetone	43	7.430	7.414	(0.712)	572195	5.00000	6.8
21 Carbon disulfide	76	7.612	7.612	(0.730)	1184771	5.00000	5.5
22 Isopropanol	45	7.740	7.687	(0.742)	332879	5.00000	5.5

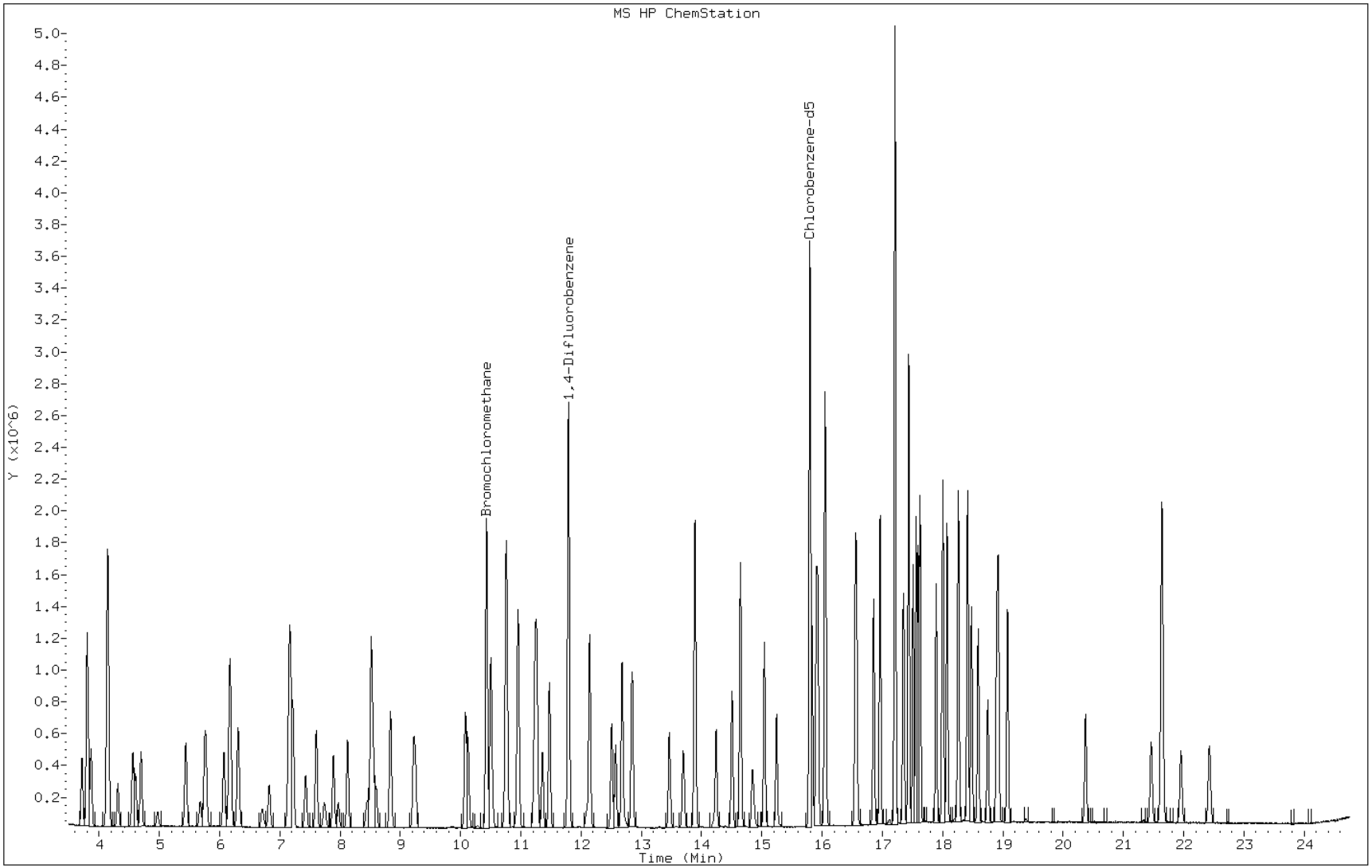
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.885	7.890	(0.756)	397033	5.00000	5.6
25	Methylene chloride	49	8.125	8.126	(0.779)	389062	5.00000	5.6
26	Tert-butyl alcohol	59	8.457	8.388	(0.811)	542422	5.00000	5.4
27	Methyl tert-butyl ether	73	8.537	8.516	(0.818)	1042744	5.00000	5.6
28	1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	583333	5.00000	5.5
30	n-Hexane	57	8.837	8.837	(0.847)	483593	5.00000	5.4
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	668387	5.00000	5.5
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	396127	5.00000	5.4
36	Methyl Ethyl Ketone	72	10.110	10.100	(0.969)	133679	5.00000	4.9(Q)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	710416	10.0000	
38	Tetrahydrofuran	42	10.517	10.485	(0.892)	257729	5.00000	5.7
39	Chloroform	83	10.501	10.501	(1.007)	872710	5.00000	5.5
40	Cyclohexane	84	10.768	10.774	(0.913)	475314	5.00000	5.1
41	1,1,1-Trichloroethane	97	10.757	10.758	(0.912)	1084032	5.00000	5.1
42	Carbon tetrachloride	117	10.950	10.956	(0.929)	1221117	5.00000	5.1
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	1497851	5.00000	5.1
44	Benzene	78	11.266	11.271	(0.956)	943185	5.00000	5.1
45	1,2-Dichloroethane	62	11.362	11.362	(0.964)	508970	5.00000	5.3
46	n-Heptane	43	11.480	11.474	(0.974)	466068	5.00000	5.2
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2794420	10.0000	
49	Trichloroethene	95	12.143	12.143	(1.030)	489654	5.00000	5.3
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	303762	5.00000	5.1
51	Methyl methacrylate	69	12.576	12.566	(1.067)	250686	5.00000	5.0
53	1,4-Dioxane	88	12.710	12.678	(1.078)	116291	5.00000	4.8(a)
54	Bromodichloromethane	83	12.844	12.849	(1.089)	819986	5.00000	5.2
55	1,3-Dichloropropene (cis)	75	13.464	13.470	(1.142)	450767	5.00000	5.2
56	Methyl isobutyl ketone	43	13.694	13.673	(1.162)	472864	5.00000	5.1
58	Toluene	92	13.892	13.898	(0.879)	582949	5.00000	4.8
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	453304	5.00000	5.1
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	301131	5.00000	4.9
61	Tetrachloroethene	166	14.647	14.647	(0.927)	662133	5.00000	4.8
63	Dibromochloromethane	129	15.043	15.043	(0.952)	811861	5.00000	4.8
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	586101	5.00000	5.0
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2609523	10.0000	
66	Chlorobenzene	112	15.834	15.834	(1.002)	775722	5.00000	4.8
68	Ethylbenzene	91	15.909	15.909	(1.007)	1257791	5.00000	4.9
69	Xylene (m,p)	106	16.054	16.054	(1.016)	992080	10.0000	9.7
71	Xylene (o)	106	16.551	16.557	(1.048)	527862	5.00000	4.9
72	Styrene	104	16.578	16.578	(1.049)	674821	5.00000	4.9
73	Bromoform	173	16.856	16.856	(1.067)	779356	5.00000	4.7
75	1,1,2,2-Tetrachloroethane	83	17.348	17.354	(1.098)	775360	5.00000	5.0
79	4-Ethyltoluene	105	17.557	17.562	(1.111)	1399981	5.00000	5.0
80	2-Chlorotoluene	91	17.594	17.595	(1.114)	1389188	5.00000	4.9
81	1,3,5-Trimethylbenzene	105	17.626	17.627	(1.116)	1305780	5.00000	5.1
84	1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	1243714	5.00000	5.1
87	1,3-Dichlorobenzene	146	18.482	18.483	(1.170)	729547	5.00000	4.7
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	660516	5.00000	4.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	752242	5.00000	4.8
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	282351	5.00000	4.3
95 1,3-Hexachlorobutadiene	225	21.639	21.639	(1.370)	754068	5.00000	5.1

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ggh007.d	Date:	02-MAR-2012 19:11
Client ID:	ic 275709	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275709		
Lab Sample ID:	ic 275709		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh008.d
Lab Smp Id: icis 291253 Client Smp ID: icis 291253
Inj Date : 02-MAR-2012 20:00
Operator : pad Inst ID: G.i
Smp Info : icis 291253
Misc Info : 200,1, icis
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 20:00 Cal File: ggh008.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

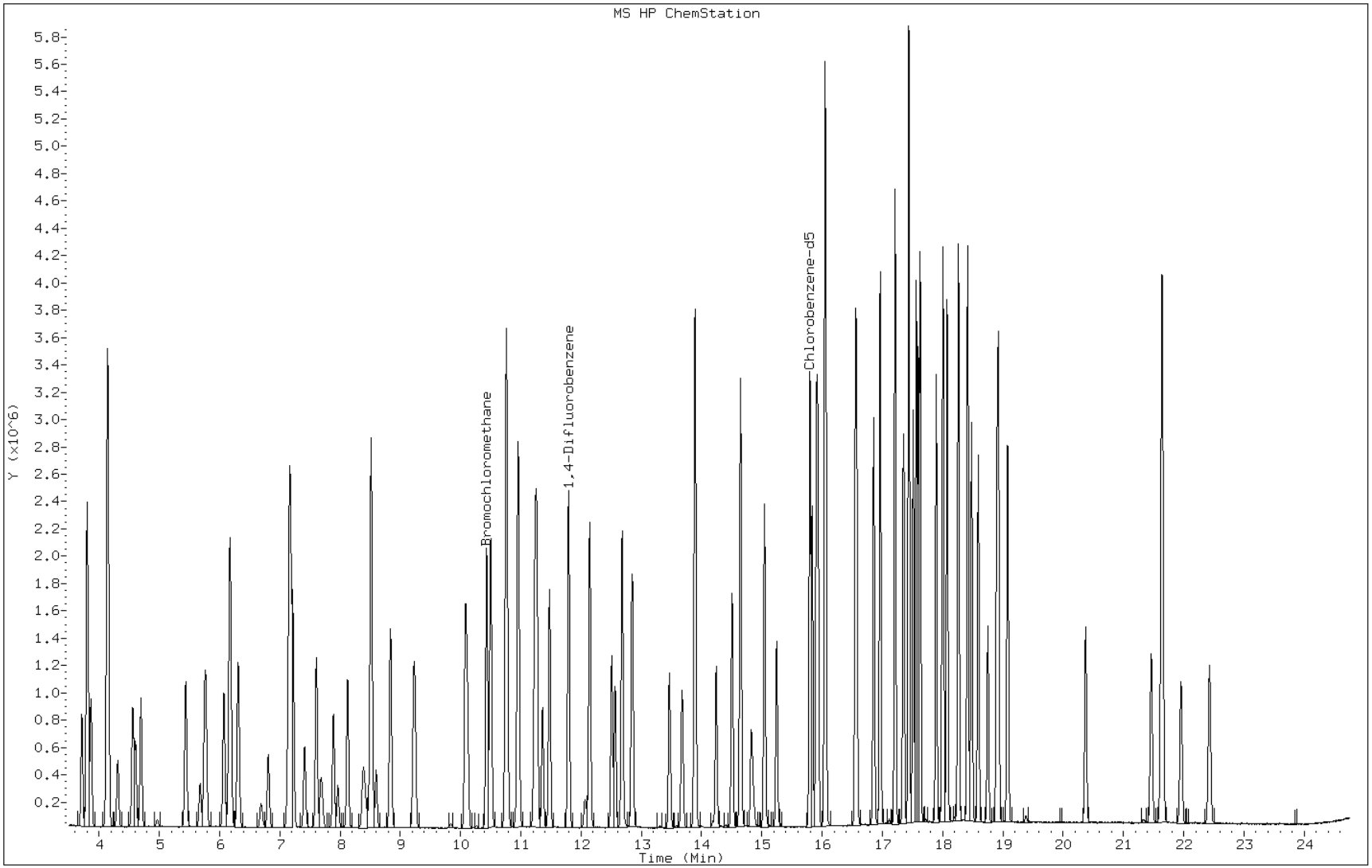
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	3235144	10.0000	9.2
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	3118693	10.0000	9.1
5 Chloromethane	50	4.311	4.311	(0.413)	748246	10.0000	8.5
7 Vinyl chloride	62	4.605	4.605	(0.442)	894095	10.0000	9.1
8 1,3-Butadiene	54	4.696	4.696	(0.450)	601612	10.0000	9.1
9 Bromomethane	94	5.440	5.440	(0.522)	987078	10.0000	9.4
10 Chloroethane	64	5.681	5.681	(0.545)	392084	10.0000	8.9
12 Vinyl bromide	106	6.071	6.071	(0.582)	985579	10.0000	9.8
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	3001544	10.0000	9.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	1882753	10.0000	9.6
19 1,1-Dichloroethene	96	7.221	7.221	(0.692)	818954	10.0000	9.9
20 Acetone	43	7.414	7.414	(0.711)	985332	10.0000	8.8
21 Carbon disulfide	76	7.612	7.612	(0.730)	2391514	10.0000	9.4
22 Isopropanol	45	7.687	7.687	(0.737)	730084	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	7.890	7.890	(0.756)	708462	10.0000	8.3
	25 Methylene chloride	49	8.126	8.126	(0.779)	754302	10.0000	8.9
	26 Tert-butyl alcohol	59	8.388	8.388	(0.804)	1222058	10.0000	10
	27 Methyl tert-butyl ether	73	8.516	8.516	(0.816)	2011212	10.0000	9.3
	28 1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	1169515	10.0000	9.1
	30 n-Hexane	57	8.837	8.837	(0.847)	988025	10.0000	9.3
	31 1,1-Dichloroethane	63	9.222	9.222	(0.884)	1304149	10.0000	8.9
	34 1,2-Dichloroethene (cis)	96	10.084	10.084	(0.967)	794024	10.0000	9.4
	36 Methyl Ethyl Ketone	72	10.100	10.100	(0.968)	255820	10.0000	7.2
*	37 Bromochloromethane	128	10.431	10.431	(1.000)	775804	10.0000	
	38 Tetrahydrofuran	42	10.485	10.485	(0.889)	484430	10.0000	9.9
	39 Chloroform	83	10.501	10.501	(1.007)	1701594	10.0000	9.1
	40 Cyclohexane	84	10.774	10.774	(0.914)	991304	10.0000	10
	41 1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	2222490	10.0000	10
	42 Carbon tetrachloride	117	10.956	10.956	(0.929)	2570543	10.0000	11
	43 2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	2922979	10.0000	9.3
	44 Benzene	78	11.271	11.271	(0.956)	1825535	10.0000	9.4
	45 1,2-Dichloroethane	62	11.362	11.362	(0.964)	951608	10.0000	9.3
	46 n-Heptane	43	11.474	11.474	(0.973)	878604	10.0000	9.0
*	47 1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2686891	10.0000	
	49 Trichloroethene	95	12.143	12.143	(1.030)	933003	10.0000	9.4
	50 1,2-Dichloropropane	63	12.512	12.512	(1.061)	589729	10.0000	9.5
	51 Methyl methacrylate	69	12.566	12.566	(1.066)	501311	10.0000	9.7
	53 1,4-Dioxane	88	12.678	12.678	(1.075)	281028	10.0000	11
	54 Bromodichloromethane	83	12.849	12.849	(1.090)	1569858	10.0000	9.6
	55 1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	859526	10.0000	9.4
	56 Methyl isobutyl ketone	43	13.673	13.673	(1.160)	943937	10.0000	9.5
	58 Toluene	92	13.898	13.898	(0.880)	1185381	10.0000	9.7
	59 1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	881085	10.0000	9.6
	60 1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	601921	10.0000	9.9
	61 Tetrachloroethene	166	14.647	14.647	(0.927)	1347510	10.0000	10
	63 Dibromochloromethane	129	15.043	15.043	(0.952)	1693873	10.0000	10
	64 1,2-Dibromoethane	107	15.246	15.246	(0.965)	1148564	10.0000	9.9
*	65 Chlorobenzene-d5	117	15.797	15.797	(1.000)	2382572	10.0000	
	66 Chlorobenzene	112	15.834	15.834	(1.002)	1584399	10.0000	10
	68 Ethylbenzene	91	15.909	15.909	(1.007)	2578454	10.0000	10
	69 Xylene (m,p)	106	16.054	16.054	(1.016)	2082889	20.0000	22
	71 Xylene (o)	106	16.557	16.557	(1.048)	1079440	10.0000	10
	72 Styrene	104	16.578	16.578	(1.049)	1460404	10.0000	12
	73 Bromoform	173	16.856	16.856	(1.067)	1679320	10.0000	11
	75 1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	1567460	10.0000	10
	79 4-Ethyltoluene	105	17.562	17.562	(1.112)	2937388	10.0000	12
	80 2-Chlorotoluene	91	17.595	17.595	(1.114)	2813472	10.0000	10
	81 1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	2685574	10.0000	11
	84 1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	2572100	10.0000	11
	87 1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	1589435	10.0000	11
	88 1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	1452133	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	1638136	10.0000	12
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	696864	10.0000	12
95 1,3-Hexachlorobutadiene	225	21.639	21.639	(1.370)	1542708	10.0000	11

Data File:	ggh008.d	Date:	02-MAR-2012 20:00
Client ID:	icis 291253	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 291253		
Lab Sample ID:	icis 291253		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh009.d
Lab Smp Id: ic 279073 Client Smp ID: ic 279073
Inj Date : 02-MAR-2012 20:48
Operator : pad Inst ID: G.i
Smp Info : ic 279073
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 20:48 Cal File: ggh009.d
Als bottle: 10 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	4888261	15.0000	13
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.396)	4715242	15.0000	12
5 Chloromethane	50	4.306	4.311	(0.413)	1107372	15.0000	12
7 Vinyl chloride	62	4.595	4.605	(0.440)	1353703	15.0000	12
8 1,3-Butadiene	54	4.691	4.696	(0.450)	910978	15.0000	12
9 Bromomethane	94	5.435	5.440	(0.521)	1502495	15.0000	13
10 Chloroethane	64	5.676	5.681	(0.544)	586174	15.0000	12
12 Vinyl bromide	106	6.071	6.071	(0.582)	1546890	15.0000	14
13 Trichlorofluoromethane	101	6.168	6.173	(0.591)	4625390	15.0000	13
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.163	7.168	(0.687)	2907261	15.0000	13
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	1273383	15.0000	14
20 Acetone	43	7.398	7.414	(0.709)	1431547	15.0000	12
21 Carbon disulfide	76	7.607	7.612	(0.729)	3732963	15.0000	13
22 Isopropanol	45	7.655	7.687	(0.734)	1097186	15.0000	14

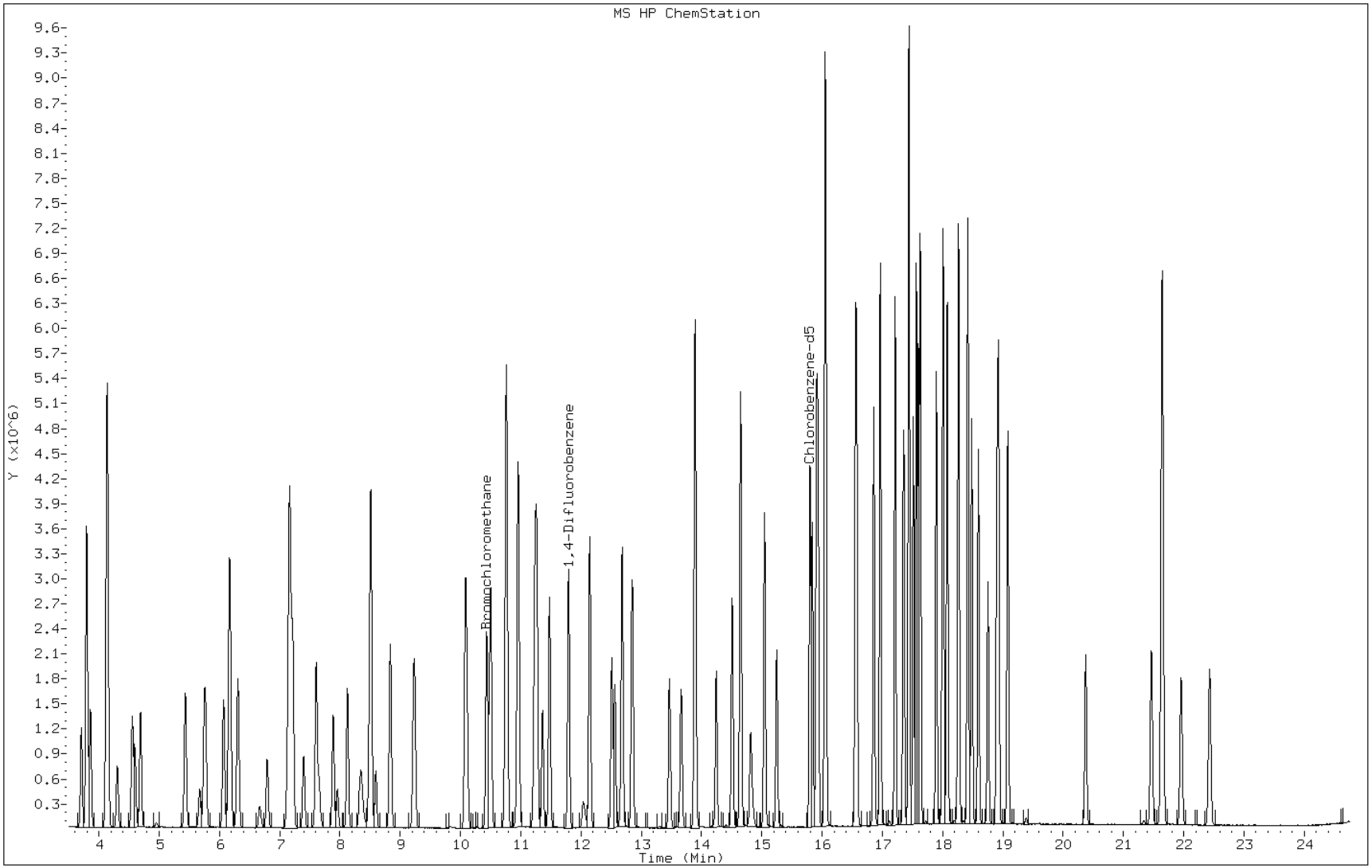
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.885	7.890	(0.756)	1154215	15.0000	12
25	Methylene chloride	49	8.126	8.126	(0.779)	1140630	15.0000	12
26	Tert-butyl alcohol	59	8.345	8.388	(0.800)	1777836	15.0000	13
27	Methyl tert-butyl ether	73	8.500	8.516	(0.815)	3266407	15.0000	13
28	1,2-Dichloroethene (trans)	61	8.511	8.516	(0.816)	1749588	15.0000	12
30	n-Hexane	57	8.837	8.837	(0.847)	1506686	15.0000	13
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	2031452	15.0000	12
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	1273057	15.0000	13
36	Methyl Ethyl Ketone	72	10.094	10.100	(0.968)	424521	15.0000	11(Q)
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	899771	10.0000	
38	Tetrahydrofuran	42	10.474	10.485	(0.888)	771685	15.0000	13
39	Chloroform	83	10.501	10.501	(1.007)	2721643	15.0000	13
40	Cyclohexane	84	10.768	10.774	(0.913)	1511864	15.0000	13
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	3481378	15.0000	13
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	4051952	15.0000	13
43	2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	4574148	15.0000	12
44	Benzene	78	11.271	11.271	(0.956)	2959081	15.0000	12
45	1,2-Dichloroethane	62	11.362	11.362	(0.963)	1520494	15.0000	12
46	n-Heptane	43	11.480	11.474	(0.973)	1378025	15.0000	12
* 47	1,4-Difluorobenzene	114	11.796	11.790	(1.000)	3448339	10.0000	
49	Trichloroethene	95	12.149	12.143	(1.030)	1466076	15.0000	12
50	1,2-Dichloropropane	63	12.512	12.512	(1.061)	959156	15.0000	13
51	Methyl methacrylate	69	12.561	12.566	(1.065)	849661	15.0000	13
53	1,4-Dioxane	88	12.662	12.678	(1.073)	433312	15.0000	14
54	Bromodichloromethane	83	12.849	12.849	(1.089)	2516729	15.0000	12
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	1378653	15.0000	12
56	Methyl isobutyl ketone	43	13.663	13.673	(1.158)	1464795	15.0000	12
58	Toluene	92	13.898	13.898	(0.880)	1954439	15.0000	13
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.207)	1411495	15.0000	13
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	954396	15.0000	12
61	Tetrachloroethene	166	14.652	14.647	(0.928)	2250784	15.0000	13
63	Dibromochloromethane	129	15.043	15.043	(0.952)	2754935	15.0000	13
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	1828775	15.0000	12
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	3169875	10.0000	
66	Chlorobenzene	112	15.840	15.834	(1.003)	2560107	15.0000	13
68	Ethylbenzene	91	15.909	15.909	(1.007)	4275008	15.0000	13
69	Xylene (m,p)	106	16.054	16.054	(1.016)	3490123	30.0000	28
71	Xylene (o)	106	16.557	16.557	(1.048)	1840591	15.0000	14
72	Styrene	104	16.578	16.578	(1.049)	2435218	15.0000	15
73	Bromoform	173	16.856	16.856	(1.067)	2849906	15.0000	14
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	2554948	15.0000	13
79	4-Ethyltoluene	105	17.563	17.562	(1.112)	5013412	15.0000	15
80	2-Chlorotoluene	91	17.595	17.595	(1.114)	4673937	15.0000	13
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	4531993	15.0000	14
84	1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	4381734	15.0000	15
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	2681593	15.0000	15
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	2457832	15.0000	14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	2758225	15.0000	15
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	1198723	15.0000	16
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	2596715	15.0000	14

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ggh009.d	Date:	02-MAR-2012 20:48
Client ID:	ic 279073	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279073		
Lab Sample ID:	ic 279073		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh010.d
Lab Smp Id: ic 279072 Client Smp ID: ic 279072
Inj Date : 02-MAR-2012 21:37
Operator : pad Inst ID: G.i
Smp Info : ic 279072
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 21:37 Cal File: ggh010.d
Als bottle: 11 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

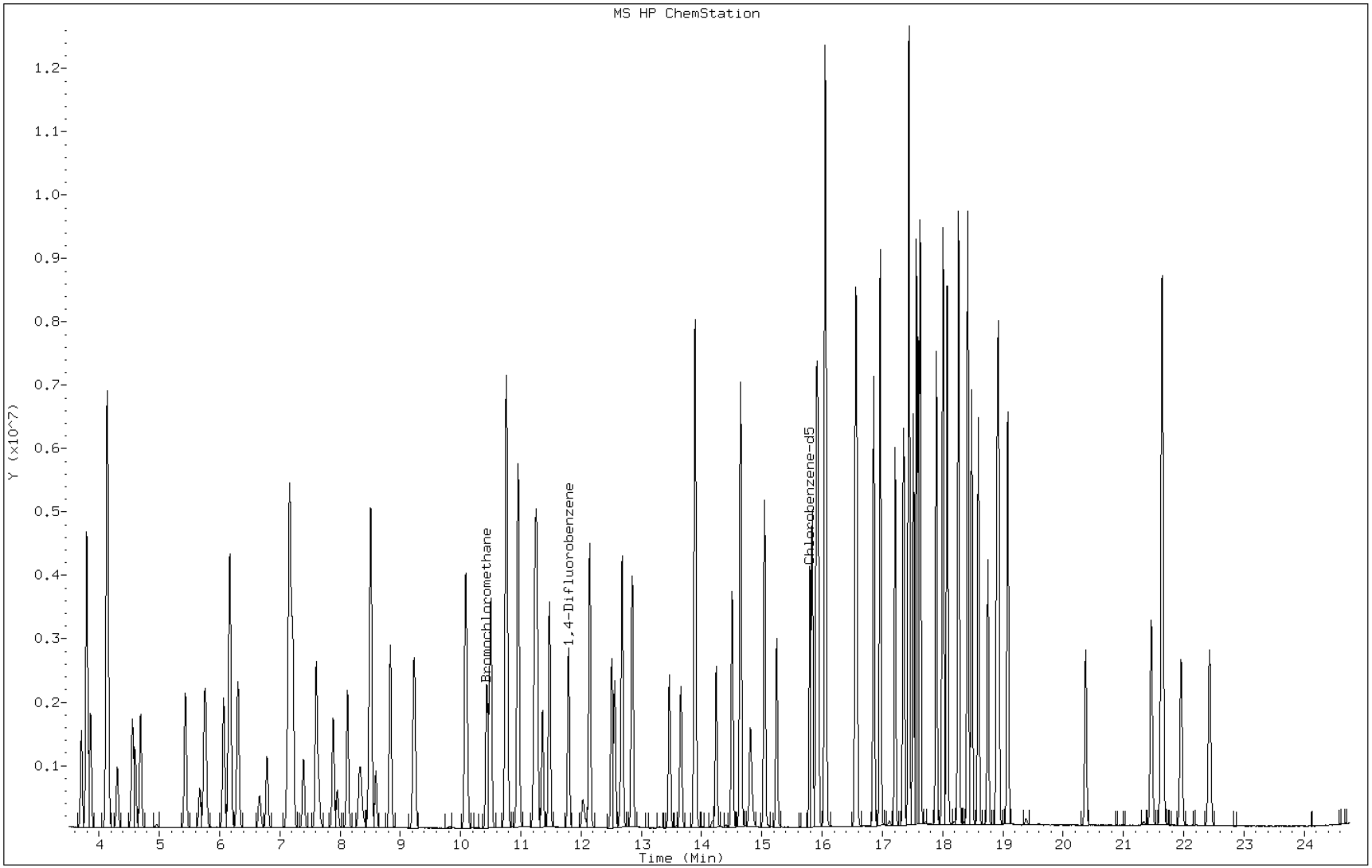
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	6362078	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.396)	6091910	20.0000	17
5 Chloromethane	50	4.306	4.311	(0.413)	1420994	20.0000	17
7 Vinyl chloride	62	4.600	4.605	(0.441)	1766433	20.0000	17
8 1,3-Butadiene	54	4.691	4.696	(0.450)	1190021	20.0000	18
9 Bromomethane	94	5.435	5.440	(0.521)	1966148	20.0000	18
10 Chloroethane	64	5.675	5.681	(0.544)	777980	20.0000	18
12 Vinyl bromide	106	6.066	6.071	(0.582)	2063497	20.0000	19
13 Trichlorofluoromethane	101	6.173	6.173	(0.592)	6129596	20.0000	18
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.163	7.168	(0.687)	3845770	20.0000	19
19 1,1-Dichloroethene	96	7.216	7.221	(0.692)	1693709	20.0000	19
20 Acetone	43	7.393	7.414	(0.709)	1810554	20.0000	17
21 Carbon disulfide	76	7.607	7.612	(0.729)	4913377	20.0000	19
22 Isopropanol	45	7.649	7.687	(0.733)	1421197	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.885	7.890	(0.756)	1493480	20.0000	17
25	Methylene chloride	49	8.126	8.126	(0.779)	1480102	20.0000	17
26	Tert-butyl alcohol	59	8.329	8.388	(0.798)	2376924	20.0000	19
27	Methyl tert-butyl ether	73	8.495	8.516	(0.814)	4279057	20.0000	19
28	1,2-Dichloroethene (trans)	61	8.511	8.516	(0.816)	2295919	20.0000	18
30	n-Hexane	57	8.837	8.837	(0.847)	1972737	20.0000	18
31	1,1-Dichloroethane	63	9.222	9.222	(0.884)	2662193	20.0000	18
34	1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	1670919	20.0000	19
36	Methyl Ethyl Ketone	72	10.089	10.100	(0.967)	539116	20.0000	16
* 37	Bromochloromethane	128	10.431	10.431	(1.000)	849765	10.0000	
38	Tetrahydrofuran	42	10.469	10.485	(0.888)	1014884	20.0000	19
39	Chloroform	83	10.501	10.501	(1.007)	3553543	20.0000	18
40	Cyclohexane	84	10.768	10.774	(0.913)	1995856	20.0000	19
41	1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	4554000	20.0000	19
42	Carbon tetrachloride	117	10.956	10.956	(0.929)	5324378	20.0000	19
43	2,2,4-Trimethylpentane	57	11.234	11.239	(0.953)	5928425	20.0000	18
44	Benzene	78	11.271	11.271	(0.956)	3909348	20.0000	18
45	1,2-Dichloroethane	62	11.362	11.362	(0.964)	1980519	20.0000	18
46	n-Heptane	43	11.480	11.474	(0.974)	1776635	20.0000	17
* 47	1,4-Difluorobenzene	114	11.790	11.790	(1.000)	3123683	10.0000	
49	Trichloroethene	95	12.143	12.143	(1.030)	1861840	20.0000	17
50	1,2-Dichloropropane	63	12.507	12.512	(1.061)	1260893	20.0000	18
51	Methyl methacrylate	69	12.560	12.566	(1.065)	1139665	20.0000	20
53	1,4-Dioxane	88	12.662	12.678	(1.074)	566474	20.0000	20
54	Bromodichloromethane	83	12.849	12.849	(1.090)	3348405	20.0000	19
55	1,3-Dichloropropene (cis)	75	13.470	13.470	(1.142)	1847388	20.0000	18
56	Methyl isobutyl ketone	43	13.657	13.673	(1.158)	1944335	20.0000	18
58	Toluene	92	13.898	13.898	(0.880)	2643017	20.0000	18
59	1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	1912666	20.0000	19
60	1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	1301761	20.0000	18
61	Tetrachloroethene	166	14.647	14.647	(0.927)	3064615	20.0000	19
63	Dibromochloromethane	129	15.043	15.043	(0.952)	3810030	20.0000	20
64	1,2-Dibromoethane	107	15.246	15.246	(0.965)	2502095	20.0000	18
* 65	Chlorobenzene-d5	117	15.797	15.797	(1.000)	2981703	10.0000	
66	Chlorobenzene	112	15.834	15.834	(1.002)	3533819	20.0000	19
68	Ethylbenzene	91	15.909	15.909	(1.007)	5864143	20.0000	20
69	Xylene (m,p)	106	16.054	16.054	(1.016)	4772991	40.0000	40
71	Xylene (o)	106	16.557	16.557	(1.048)	2492855	20.0000	20
72	Styrene	104	16.578	16.578	(1.049)	3378850	20.0000	21
73	Bromoform	173	16.856	16.856	(1.067)	4016466	20.0000	21
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.099)	3424665	20.0000	19
79	4-Ethyltoluene	105	17.562	17.562	(1.112)	6882954	20.0000	22
80	2-Chlorotoluene	91	17.594	17.595	(1.114)	6322827	20.0000	19
81	1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	6112022	20.0000	20
84	1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	5933237	20.0000	21
87	1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	3842430	20.0000	22
88	1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	3557839	20.0000	22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	3831390	20.0000	21
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	1844526	20.0000	24
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	3431505	20.0000	20

Data File:	ggh010.d	Date:	02-MAR-2012 21:37
Client ID:	ic 279072	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 279072		
Lab Sample ID:	ic 279072		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh011.d
Lab Smp Id: ic 275630 Client Smp ID: ic 275630
Inj Date : 02-MAR-2012 22:27
Operator : pad Inst ID: G.i
Smp Info : ic 275630
Misc Info : 200,1, ic
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:56 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.814	3.808	(0.365)	12430839	40.0000	35
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.156	4.145	(0.398)	11682327	40.0000	34
5 Chloromethane	50	4.322	4.311	(0.414)	2788695	40.0000	33
7 Vinyl chloride	62	4.611	4.605	(0.442)	3436706	40.0000	34
8 1,3-Butadiene	54	4.707	4.696	(0.451)	2322801	40.0000	35
9 Bromomethane	94	5.451	5.440	(0.522)	3904415	40.0000	36
10 Chloroethane	64	5.691	5.681	(0.545)	1531882	40.0000	35
12 Vinyl bromide	106	6.087	6.071	(0.583)	4103658	40.0000	38
13 Trichlorofluoromethane	101	6.189	6.173	(0.593)	12166367	40.0000	37
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.179	7.168	(0.687)	7483875	40.0000	36
19 1,1-Dichloroethene	96	7.232	7.221	(0.693)	3335350	40.0000	38
20 Acetone	43	7.414	7.414	(0.710)	3213802	40.0000	31
21 Carbon disulfide	76	7.623	7.612	(0.730)	9680072	40.0000	37
22 Isopropanol	45	7.666	7.687	(0.734)	2439721	40.0000	33

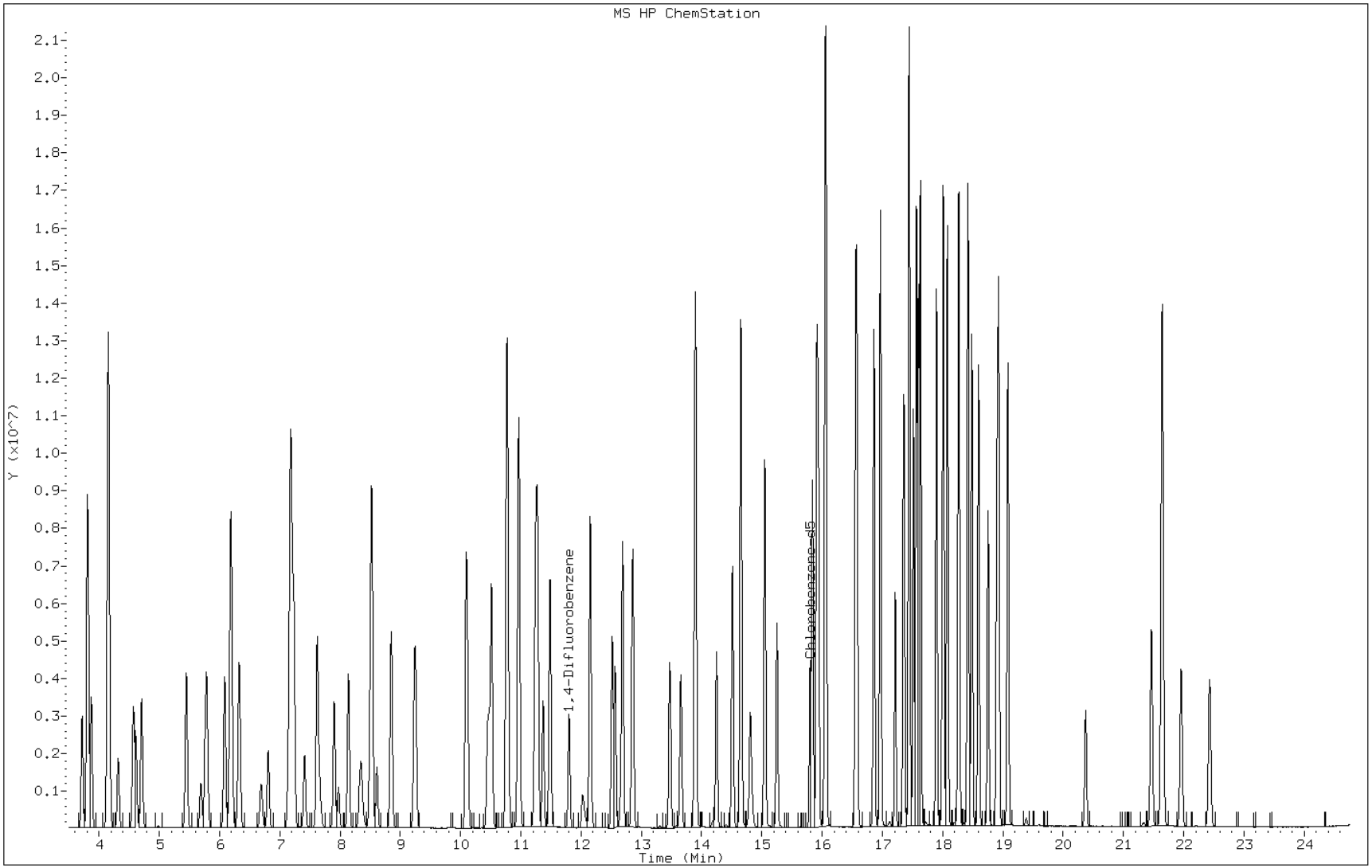
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.901	7.890	(0.757)	2813520	40.0000	33
25	Methylene chloride	49	8.142	8.126	(0.780)	2855250	40.0000	34
26	Tert-butyl alcohol	59	8.345	8.388	(0.799)	4198255	40.0000	35
27	Methyl tert-butyl ether	73	8.511	8.516	(0.815)	7763313	40.0000	34
28	1,2-Dichloroethene (trans)	61	8.532	8.516	(0.817)	4310832	40.0000	33
30	n-Hexane	57	8.853	8.837	(0.848)	3734385	40.0000	34
31	1,1-Dichloroethane	63	9.238	9.222	(0.885)	4982634	40.0000	34
34	1,2-Dichloroethene (cis)	96	10.094	10.084	(0.967)	3089444	40.0000	35
36	Methyl Ethyl Ketone	72	10.105	10.100	(0.968)	942954	40.0000	29
* 37	Bromochloromethane	128	10.442	10.431	(1.000)	862203	10.0000	
38	Tetrahydrofuran	42	10.474	10.485	(0.888)	1832176	40.0000	34
39	Chloroform	83	10.512	10.501	(1.007)	6686175	40.0000	35
40	Cyclohexane	84	10.779	10.774	(0.913)	3696866	40.0000	33
41	1,1,1-Trichloroethane	97	10.768	10.758	(0.912)	8475788	40.0000	33
42	Carbon tetrachloride	117	10.961	10.956	(0.929)	10206950	40.0000	35
43	2,2,4-Trimethylpentane	57	11.250	11.239	(0.953)	10873171	40.0000	31
44	Benzene	78	11.282	11.271	(0.956)	7403606	40.0000	33
45	1,2-Dichloroethane	62	11.373	11.362	(0.964)	3676995	40.0000	32
46	n-Heptane	43	11.491	11.474	(0.974)	3354574	40.0000	31
* 47	1,4-Difluorobenzene	114	11.801	11.790	(1.000)	3336776	10.0000	
49	Trichloroethene	95	12.154	12.143	(1.030)	3436173	40.0000	31
50	1,2-Dichloropropane	63	12.518	12.512	(1.061)	2397517	40.0000	34
51	Methyl methacrylate	69	12.566	12.566	(1.065)	2132874	40.0000	35
53	1,4-Dioxane	88	12.657	12.678	(1.073)	955049	40.0000	33
54	Bromodichloromethane	83	12.855	12.849	(1.089)	6416592	40.0000	34
55	1,3-Dichloropropene (cis)	75	13.475	13.470	(1.142)	3459684	40.0000	33
56	Methyl isobutyl ketone	43	13.652	13.673	(1.157)	3544092	40.0000	32
58	Toluene	92	13.903	13.898	(0.880)	4960886	40.0000	33
59	1,3-Dichloropropene (trans)	75	14.246	14.240	(1.207)	3602856	40.0000	34
60	1,1,2-Trichloroethane	83	14.513	14.508	(0.918)	2465497	40.0000	33
61	Tetrachloroethene	166	14.652	14.647	(0.927)	6051578	40.0000	36
63	Dibromochloromethane	129	15.048	15.043	(0.952)	7328537	40.0000	36
64	1,2-Dibromoethane	107	15.251	15.246	(0.965)	4653673	40.0000	33
* 65	Chlorobenzene-d5	117	15.802	15.797	(1.000)	3166586	10.0000	
66	Chlorobenzene	112	15.840	15.834	(1.002)	6728149	40.0000	34
68	Ethylbenzene	91	15.909	15.909	(1.007)	10928420	40.0000	35
69	Xylene (m,p)	106	16.059	16.054	(1.016)	8862263	80.0000	72
71	Xylene (o)	106	16.562	16.557	(1.048)	4722878	40.0000	36
72	Styrene	104	16.583	16.578	(1.049)	6449682	40.0000	39
73	Bromoform	173	16.856	16.856	(1.067)	7924499	40.0000	40
75	1,1,2,2-Tetrachloroethane	83	17.354	17.354	(1.098)	6320397	40.0000	33
79	4-Ethyltoluene	105	17.562	17.562	(1.111)	12882833	40.0000	38
80	2-Chlorotoluene	91	17.600	17.595	(1.114)	11883618	40.0000	35
81	1,3,5-Trimethylbenzene	105	17.632	17.627	(1.116)	11536746	40.0000	37
84	1,2,4-Trimethylbenzene	105	18.076	18.071	(1.144)	11183895	40.0000	38
87	1,3-Dichlorobenzene	146	18.488	18.483	(1.170)	7536339	40.0000	40(A)
88	1,4-Dichlorobenzene	146	18.600	18.595	(1.177)	7078102	40.0000	41(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	7456667	40.0000	39
94 1,2,4-Trichlorobenzene	180	21.468	21.462	(1.359)	3068874	40.0000	38
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	5584826	40.0000	31

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	ggh011.d	Date:	02-MAR-2012 22:27
Client ID:	ic 275630	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 275630		
Lab Sample ID:	ic 275630		



FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
Chloroethane	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq016.d
Lab Smp Id: icv 290911
Inj Date : 24-FEB-2012 20:54
Operator : wrd Inst ID: C.i
Smp Info : icv 290911
Misc Info : 200,1, icv
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/TO15v5NJ.m
Meth Date : 28-Feb-2012 11:38 jd1 Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.063	5.057	(0.456)	1210156	10.4022	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.351	(0.483)	1356723	10.0533	10
5 Chloromethane	50	5.516	5.511	(0.497)	422864	10.3114	10
7 Vinyl chloride	62	5.772	5.767	(0.520)	506221	10.3450	10
8 1,3-Butadiene	54	5.842	5.842	(0.526)	402913	10.9039	11
9 Bromomethane	94	6.504	6.503	(0.586)	414938	9.63911	9.6
10 Chloroethane	64	6.701	6.696	(0.604)	250740	10.3664	10
12 Vinyl bromide	106	7.053	7.053	(0.636)	461163	10.0933	10
13 Trichlorofluoromethane	101	7.139	7.138	(0.643)	1196892	9.95570	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	8.003	7.998	(0.721)	1002356	10.7530	11
19 1,1-Dichloroethene	96	8.078	8.072	(0.728)	511823	10.7539	11
20 Acetone	43	8.195	8.190	(0.738)	638008	11.3681	11
21 Carbon disulfide	76	8.478	8.478	(0.764)	1486177	10.4350	10
22 Isopropanol	45	8.334	8.334	(0.751)	458167	10.4389	10

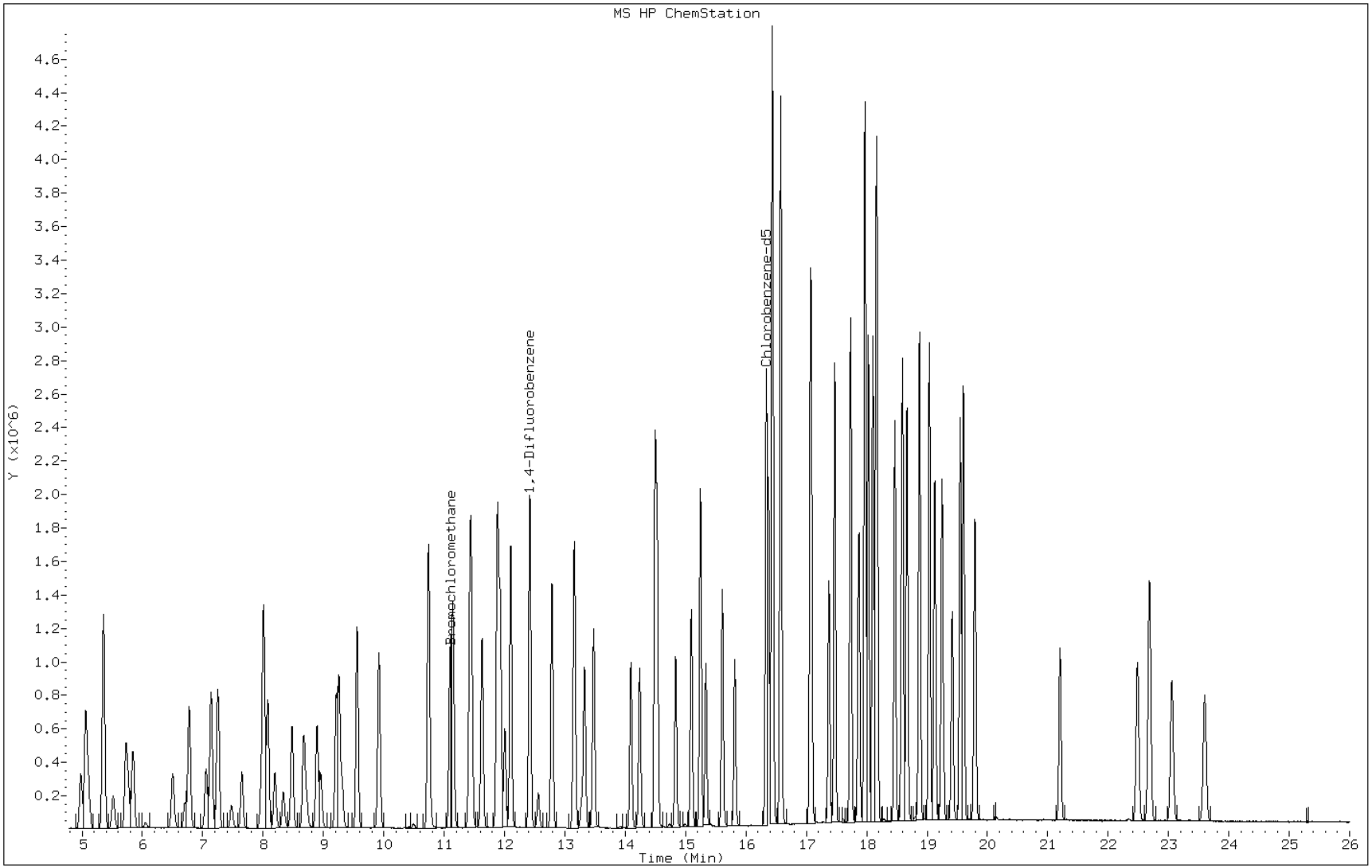
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	8.676	8.675	(0.782)	726827	10.4018	10(M)
	25 Methylene chloride	49	8.889	8.889	(0.801)	553181	11.1183	11
	26 Tert-butyl alcohol	59	8.953	8.953	(0.807)	637182	10.2212	10
	27 Methyl tert-butyl ether	73	9.215	9.215	(0.830)	1279052	9.73650	9.7
	28 1,2-Dichloroethene (trans)	61	9.263	9.263	(0.835)	741146	10.2275	10
	30 n-Hexane	57	9.556	9.556	(0.861)	882019	10.2121	10
	31 1,1-Dichloroethane	63	9.930	9.924	(0.895)	942538	10.3056	10
	34 1,2-Dichloroethene (cis)	96	10.752	10.746	(0.969)	549138	10.2502	10
	36 Methyl Ethyl Ketone	72	10.741	10.736	(0.968)	226189	9.56906	9.6(Q)
*	37 Bromochloromethane	128	11.099	11.098	(1.000)	396804	10.0000	
	38 Tetrahydrofuran	42	11.131	11.130	(0.896)	478251	10.7297	11
	39 Chloroform	83	11.147	11.146	(1.004)	1049968	10.0288	10
	40 Cyclohexane	84	11.451	11.451	(0.922)	790328	9.76710	9.8
	41 1,1,1-Trichloroethane	97	11.424	11.424	(0.920)	1085240	9.67337	9.7
	42 Carbon tetrachloride	117	11.627	11.621	(0.936)	1048868	9.57892	9.6
	43 2,2,4-Trimethylpentane	57	11.883	11.883	(0.957)	2780672	10.1034	10
	44 Benzene	78	11.931	11.926	(0.961)	1725274	9.66755	9.7
	45 1,2-Dichloroethane	62	12.006	12.006	(0.967)	671141	9.85483	9.9
	46 n-Heptane	43	12.102	12.102	(0.975)	1005322	9.99144	10
*	47 1,4-Difluorobenzene	114	12.417	12.417	(1.000)	2361491	10.0000	
	49 Trichloroethene	95	12.785	12.785	(1.030)	742070	9.66233	9.7
	50 1,2-Dichloropropane	63	13.148	13.148	(1.059)	592582	9.72833	9.7
	51 Methyl methacrylate	69	13.159	13.159	(1.060)	501712	9.91396	9.9
	53 1,4-Dioxane	88	13.276	13.276	(1.069)	187737	9.04341	9.0
	54 Bromodichloromethane	83	13.479	13.479	(1.086)	1194744	10.2076	10
	55 1,3-Dichloropropene (cis)	75	14.093	14.092	(1.135)	894890	9.60367	9.6
	56 Methyl isobutyl ketone	43	14.242	14.237	(1.147)	927866	9.92916	9.9
	58 Toluene	92	14.525	14.525	(0.889)	1167122	9.12240	9.1
	59 1,3-Dichloropropene (trans)	75	14.834	14.834	(1.195)	849861	9.52466	9.5
	60 1,1,2-Trichloroethane	83	15.091	15.090	(0.924)	518429	8.83883	8.8
	61 Tetrachloroethene	166	15.245	15.245	(0.933)	830175	8.69337	8.7
	63 Dibromochloromethane	129	15.608	15.608	(0.955)	1080734	9.67957	9.7
	64 1,2-Dibromoethane	107	15.811	15.811	(0.968)	970756	9.05425	9.1
*	65 Chlorobenzene-d5	117	16.339	16.339	(1.000)	2119725	10.0000	
	66 Chlorobenzene	112	16.377	16.377	(1.002)	1469788	8.87283	8.9
	68 Ethylbenzene	91	16.436	16.435	(1.006)	2335920	9.00409	9.0
	69 Xylene (m,p)	106	16.574	16.574	(1.014)	1819689	17.6218	18
	71 Xylene (o)	106	17.065	17.065	(1.044)	880357	8.79214	8.8
	72 Styrene	104	17.087	17.086	(1.046)	1399036	9.00744	9.0
	73 Bromoform	173	17.375	17.375	(1.063)	913926	9.23723	9.2
	75 1,1,2,2-Tetrachloroethane	83	17.871	17.866	(1.094)	1301365	8.76941	8.8
	79 4-Ethyltoluene	105	18.101	18.100	(1.108)	2737577	9.47451	9.5
	80 2-Chlorotoluene	91	18.154	18.154	(1.111)	2372065	9.19254	9.2
	81 1,3,5-Trimethylbenzene	105	18.170	18.170	(1.112)	2188078	9.16678	9.2
	84 1,2,4-Trimethylbenzene	105	18.666	18.661	(1.142)	2132307	9.04111	9.0
	87 1,3-Dichlorobenzene	146	19.131	19.131	(1.171)	1379268	8.61673	8.6
	88 1,4-Dichlorobenzene	146	19.248	19.248	(1.178)	1354224	8.59947	8.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.798	19.792	(1.212)	1279669	8.42996	8.4
94 1,2,4-Trichlorobenzene	180	22.488	22.487	(1.376)	627030	8.13794	8.1
95 1,3-Hexachlorobutadiene	225	22.685	22.685	(1.388)	569180	8.20198	8.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckq016.d	Date:	24-FEB-2012 20:54
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icv 290911		
Lab Sample ID:	icv 290911		



FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Matrix: Air Level: Low Lab File ID: ggh016.d

Lab ID: ICV 200-34489/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Chloromethane	10.0	9.82	98	70-130	
Vinyl chloride	10.0	9.99	100	70-130	
Chloroethane	10.0	9.81	98	70-130	
Methylene Chloride	10.0	10.8	108	70-130	
1,2-Dichloroethene, trans-	10.0	9.96	100	70-130	
1,2-Dichloroethene, cis-	10.0	10.6	106	70-130	
1,1,1-Trichloroethane	10.0	11.0	110	70-130	
1,2-Dichloroethane	10.0	10.6	106	70-130	
Trichloroethene	10.0	10.4	104	70-130	
1,1,2-Trichloroethane	10.0	9.37	94	70-130	
Tetrachloroethene	10.0	9.39	94	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.70	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh016.d
Lab Smp Id: ICV 290910 Client Smp ID: ICV 290910
Inj Date : 03-MAR-2012 02:31
Operator : pad Inst ID: G.i
Smp Info : lcs 290910
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/TO15v5NJ.m
Meth Date : 06-Mar-2012 10:57 klp Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 12 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

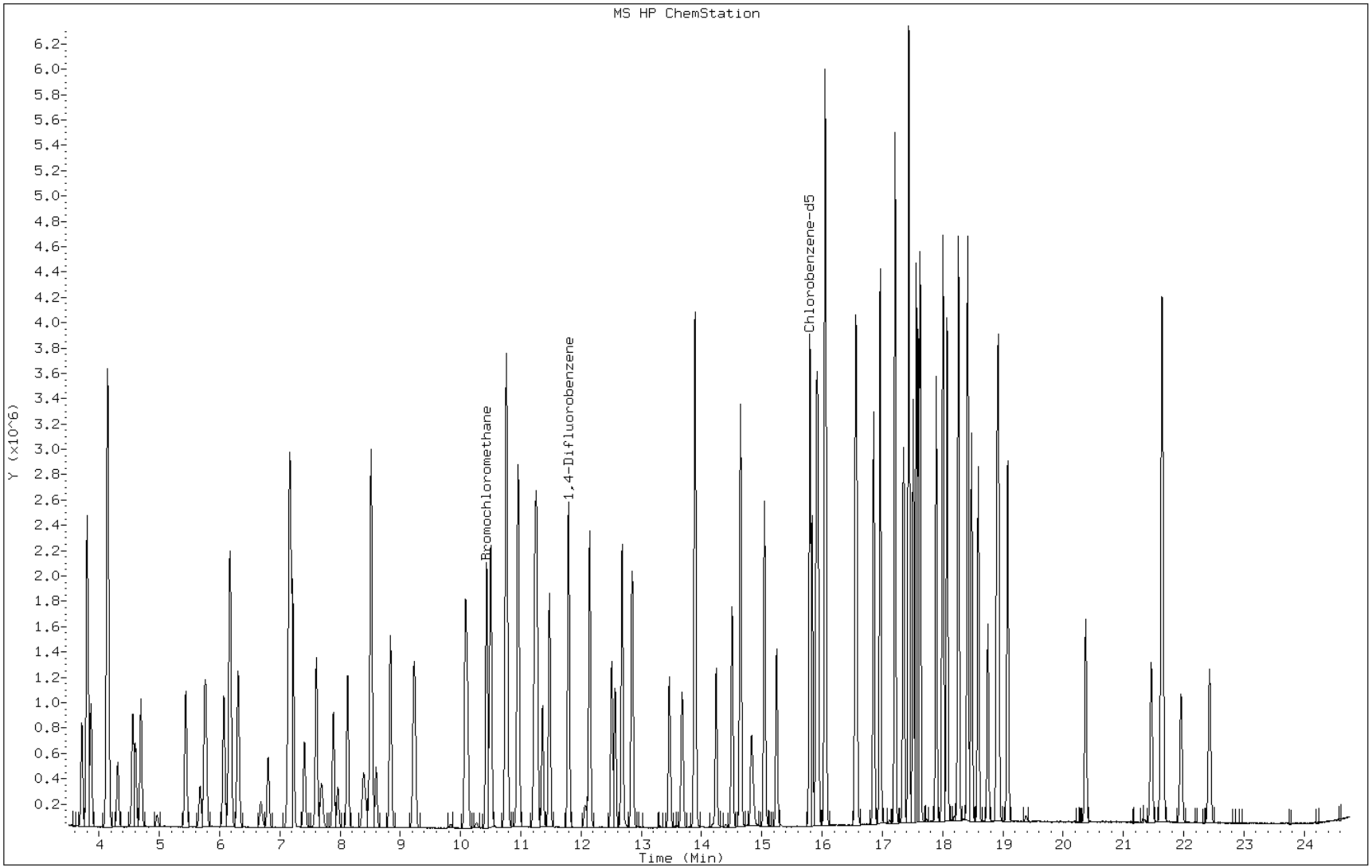
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	3368976	10.2141	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.145	4.145	(0.397)	3247977	10.0614	10
5 Chloromethane	50	4.311	4.311	(0.413)	770474	9.81948	9.8
7 Vinyl chloride	62	4.606	4.605	(0.442)	933029	9.99121	10
8 1,3-Butadiene	54	4.696	4.696	(0.450)	657296	10.5096	11
9 Bromomethane	94	5.440	5.440	(0.522)	996738	9.82485	9.8
10 Chloroethane	64	5.681	5.681	(0.545)	399374	9.81343	9.8
12 Vinyl bromide	106	6.071	6.071	(0.582)	1040701	10.3913	10
13 Trichlorofluoromethane	101	6.178	6.173	(0.592)	3113290	10.0394	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.168	7.168	(0.687)	2114130	11.0551	11
19 1,1-Dichloroethene	96	7.222	7.221	(0.692)	943883	11.4440	11
20 Acetone	43	7.409	7.414	(0.710)	1127085	11.8040	12
21 Carbon disulfide	76	7.607	7.612	(0.729)	2575667	10.5031	11
22 Isopropanol	45	7.692	7.687	(0.737)	699702	10.2767	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	7.890	7.890	(0.756)	778357	9.71911	9.7
	25 Methylene chloride	49	8.131	8.126	(0.779)	844600	10.8318	11
	26 Tert-butyl alcohol	59	8.393	8.388	(0.805)	1148635	10.1546	10
	27 Methyl tert-butyl ether	73	8.511	8.516	(0.816)	2187776	10.3558	10
	28 1,2-Dichloroethene (trans)	61	8.516	8.516	(0.816)	1199809	9.96103	10
	30 n-Hexane	57	8.837	8.837	(0.847)	1026113	10.1158	10
	31 1,1-Dichloroethane	63	9.222	9.222	(0.884)	1386792	10.0206	10
	34 1,2-Dichloroethene (cis)	96	10.078	10.084	(0.966)	877394	10.6186	11
	36 Methyl Ethyl Ketone	72	10.100	10.100	(0.968)	283420	9.26961	9.3
*	37 Bromochloromethane	128	10.431	10.431	(1.000)	803895	10.0000	
	38 Tetrahydrofuran	42	10.485	10.485	(0.889)	530671	11.7371	12
	39 Chloroform	83	10.501	10.501	(1.007)	1807708	10.0112	10
	40 Cyclohexane	84	10.774	10.774	(0.914)	1014778	11.0149	11
	41 1,1,1-Trichloroethane	97	10.758	10.758	(0.912)	2307869	10.9509	11
	42 Carbon tetrachloride	117	10.956	10.956	(0.929)	2621324	10.9346	11
	43 2,2,4-Trimethylpentane	57	11.239	11.239	(0.953)	3113546	10.7272	11
	44 Benzene	78	11.271	11.271	(0.956)	1947103	10.5684	11
	45 1,2-Dichloroethane	62	11.362	11.362	(0.964)	1015080	10.5808	11
	46 n-Heptane	43	11.480	11.474	(0.974)	932649	10.4365	10
*	47 1,4-Difluorobenzene	114	11.790	11.790	(1.000)	2778369	10.0000	
	49 Trichloroethene	95	12.143	12.143	(1.030)	957117	10.4085	10
	50 1,2-Dichloropropane	63	12.507	12.512	(1.061)	615072	10.3959	10
	51 Methyl methacrylate	69	12.566	12.566	(1.066)	548346	10.9222	11
	53 1,4-Dioxane	88	12.684	12.678	(1.076)	244949	10.1611	10
	54 Bromodichloromethane	83	12.849	12.849	(1.090)	1705416	10.8964	11
	55 1,3-Dichloropropene (cis)	75	13.465	13.470	(1.142)	905192	10.4493	10
	56 Methyl isobutyl ketone	43	13.673	13.673	(1.160)	1010314	11.0588	11
	58 Toluene	92	13.898	13.898	(0.880)	1260999	9.67548	9.7
	59 1,3-Dichloropropene (trans)	75	14.240	14.240	(1.208)	930192	10.5933	11
	60 1,1,2-Trichloroethane	83	14.508	14.508	(0.918)	607879	9.36921	9.4
	61 Tetrachloroethene	166	14.647	14.647	(0.927)	1385719	9.39214	9.4
	63 Dibromochloromethane	129	15.043	15.043	(0.952)	1844818	10.3251	10
	64 1,2-Dibromoethane	107	15.246	15.246	(0.965)	1176121	9.52852	9.5
*	65 Chlorobenzene-d5	117	15.797	15.797	(1.000)	2774899	10.0000	
	66 Chlorobenzene	112	15.835	15.834	(1.002)	1645954	9.60098	9.6
	68 Ethylbenzene	91	15.909	15.909	(1.007)	2785825	10.1741	10
	69 Xylene (m,p)	106	16.054	16.054	(1.016)	2211151	20.4028	20
	71 Xylene (o)	106	16.557	16.557	(1.048)	1138458	9.87176	9.9
	72 Styrene	104	16.578	16.578	(1.049)	1542984	10.5243	11
	73 Bromoform	173	16.856	16.856	(1.067)	1847480	10.5810	11
	75 1,1,2,2-Tetrachloroethane	83	17.349	17.354	(1.098)	1615674	9.70464	9.7
	79 4-Ethyltoluene	105	17.562	17.562	(1.112)	3237445	10.9509	11
	80 2-Chlorotoluene	91	17.595	17.595	(1.114)	3119489	10.4080	10
	81 1,3,5-Trimethylbenzene	105	17.627	17.627	(1.116)	2859317	10.4035	10
	84 1,2,4-Trimethylbenzene	105	18.071	18.071	(1.144)	2681965	10.2835	10
	87 1,3-Dichlorobenzene	146	18.483	18.483	(1.170)	1652285	10.0643	10
	88 1,4-Dichlorobenzene	146	18.595	18.595	(1.177)	1523529	10.0152	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.082	19.082	(1.208)	1633673	9.82958	9.8
94 1,2,4-Trichlorobenzene	180	21.462	21.462	(1.359)	697689	9.94206	9.9
95 1,3-Hexachlorobutadiene	225	21.644	21.639	(1.370)	1617505	10.2988	10

Data File:	ggh016.d	Date:	03-MAR-2012 02:31
Client ID:	ICV 290910	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 290910		
Lab Sample ID:	ICV 290910		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-35378/2 Calibration Date: 03/20/2012 13:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	2.951		10.1	10.0	0.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.847		8.37	10.0	-16.3	30.0
Chloromethane	Ave	1.033	0.7619		7.37	10.0	-26.3	30.0
Vinyl chloride	Ave	1.233	0.9109		7.39	10.0	-26.1	30.0
1,3-Butadiene	Ave	0.9312	0.6800		7.30	10.0	-27.0	30.0
Bromomethane	Ave	1.085	0.8614		7.94	10.0	-20.6	30.0
Chloroethane	Ave	0.6096	0.4555		7.47	10.0	-25.3	30.0
Vinyl bromide	Ave	1.151	0.9078		7.88	10.0	-21.2	30.0
Trichlorofluoromethane	Ave	3.030	3.155		10.4	10.0	4.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	1.988		8.46	10.0	-15.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9204		7.67	10.0	-23.3	30.0
Acetone	Ave	1.414	1.316		9.31	10.0	-6.9	30.0
Isopropanol	Ave	1.106	0.9359		8.46	10.0	-15.4	30.0
Carbon disulfide	Ave	3.589	2.754		7.67	10.0	-23.3	30.0
Allyl chloride	Ave	1.761	1.392		7.90	10.0	-20.9	30.0
Methylene Chloride	Ave	1.254	1.004		8.00	10.0	-19.9	30.0
tert-Butyl alcohol	Ave	1.571	1.550		9.86	10.0	-1.4	30.0
Methyl tert-butyl ether	Ave	3.311	3.004		9.07	10.0	-9.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.541		8.44	10.0	-15.6	30.0
n-Hexane	Ave	2.177	1.652		7.59	10.0	-24.1	30.0
1,1-Dichloroethane	Ave	2.305	1.929		8.37	10.0	-16.3	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4637		7.78	10.0	-22.2	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.097		8.12	10.0	-18.8	30.0
Tetrahydrofuran	Ave	0.1887	0.1680		8.90	10.0	-11.0	30.0
Chloroform	Ave	2.638	2.510		9.51	10.0	-4.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5189		10.9	10.0	9.2	30.0
Cyclohexane	Ave	0.3427	0.2706		7.90	10.0	-21.0	30.0
Carbon tetrachloride	Ave	0.4637	0.5282		11.4	10.0	13.9	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9315		7.99	10.0	-20.1	30.0
Benzene	Ave	0.7557	0.5913		7.82	10.0	-21.8	30.0
1,2-Dichloroethane	Ave	0.2884	0.3021		10.5	10.0	4.7	30.0
n-Heptane	Ave	0.4261	0.3451		8.10	10.0	-19.0	30.0
Trichloroethene	Ave	0.3252	0.2869		8.82	10.0	-11.8	30.0
1,2-Dichloropropane	Ave	0.2579	0.2076		8.05	10.0	-19.5	30.0
Methyl methacrylate	Ave	0.2143	0.1858		8.67	10.0	-13.3	30.0
1,4-Dioxane	Ave	0.0879	0.0724		8.23	10.0	-17.6	30.0
Bromodichloromethane	Ave	0.4956	0.5032		10.1	10.0	1.5	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3537		8.96	10.0	-10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-35378/2 Calibration Date: 03/20/2012 13:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.3619		9.14	10.0	-8.6	30.0
Toluene	Ave	0.6036	0.5038		8.35	10.0	-16.5	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3690		9.76	10.0	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2337		8.45	10.0	-15.5	30.0
Tetrachloroethene	Ave	0.4505	0.4064		9.02	10.0	-9.8	30.0
Dibromochloromethane	Ave	0.5267	0.5437		10.3	10.0	3.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4611		9.11	10.0	-8.8	30.0
Chlorobenzene	Ave	0.7815	0.6723		8.60	10.0	-14.0	30.0
Ethylbenzene	Ave	1.224	1.134		9.26	10.0	-7.4	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4286		17.6	20.0	-12.0	30.0
o-Xylene	Ave	0.4724	0.4161		8.81	10.0	-11.9	30.0
Styrene	Ave	0.7327	0.6550		8.94	10.0	-10.6	30.0
Bromoform	Ave	0.4668	0.4729		10.1	10.0	1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5930		8.47	10.0	-15.3	30.0
4-Ethyltoluene	Ave	1.363	1.329		9.75	10.0	-2.5	30.0
2-Chlorotoluene	Ave	1.217	1.176		9.66	10.0	-3.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.160		10.3	10.0	3.0	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.108		9.96	10.0	-0.4	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6657		8.81	10.0	-11.8	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6565		8.83	10.0	-11.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6402		8.94	10.0	-10.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3086		8.49	10.0	-15.1	30.0
Hexachlorobutadiene	Ave	0.3274	0.2905		8.87	10.0	-11.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr002.d
Lab Smp Id: ccvis 302592 Client Smp ID: ccvis 302592
Inj Date : 20-MAR-2012 13:03
Operator : pad Inst ID: C.i
Smp Info : ccvis 302592
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.047	5.057	(0.456)	779141	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.351	(0.482)	751500	10.0000	8.4
5 Chloromethane	50	5.500	5.511	(0.497)	201151	10.0000	7.4
7 Vinyl chloride	62	5.751	5.767	(0.519)	240480	10.0000	7.4
8 1,3-Butadiene	54	5.826	5.842	(0.526)	179517	10.0000	7.3
9 Bromomethane	94	6.488	6.503	(0.586)	227422	10.0000	7.9
10 Chloroethane	64	6.685	6.696	(0.604)	120250	10.0000	7.5
12 Vinyl bromide	106	7.037	7.053	(0.636)	239653	10.0000	7.9
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	832899	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.998	(0.721)	524809	10.0000	8.5
19 1,1-Dichloroethene	96	8.062	8.072	(0.728)	242983	10.0000	7.7
20 Acetone	43	8.174	8.190	(0.738)	347542	10.0000	9.3
21 Carbon disulfide	76	8.457	8.478	(0.764)	727139	10.0000	7.7
22 Isopropanol	45	8.313	8.334	(0.751)	247087	10.0000	8.5

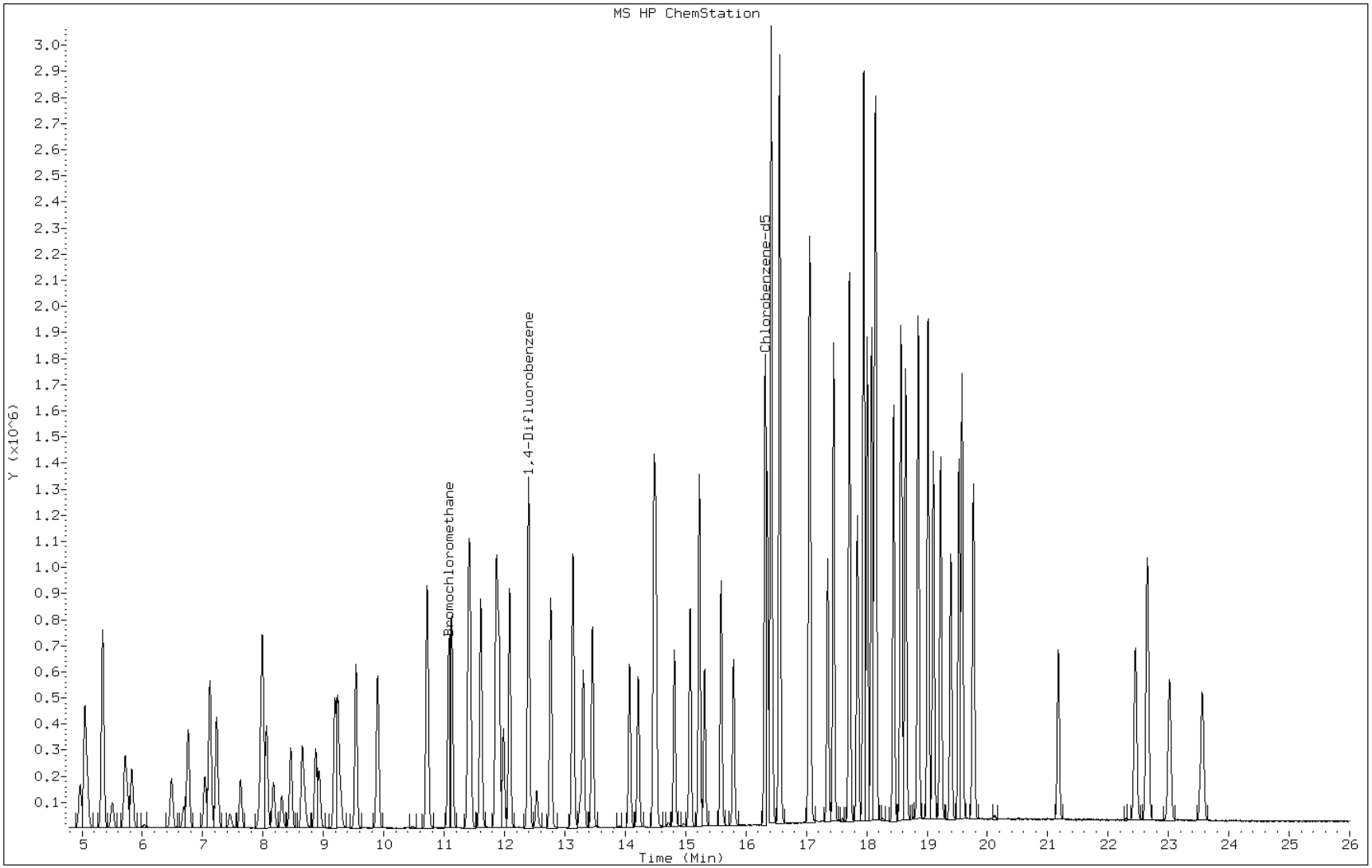
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	8.654	8.675	(0.782)	367548	10.0000	7.9(M)
	25 Methylene chloride	49	8.868	8.889	(0.801)	265014	10.0000	8.0
	26 Tert-butyl alcohol	59	8.926	8.953	(0.806)	409130	10.0000	9.9
	27 Methyl tert-butyl ether	73	9.193	9.215	(0.830)	793063	10.0000	9.1
	28 1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	406774	10.0000	8.4
	30 n-Hexane	57	9.540	9.556	(0.862)	436100	10.0000	7.6
	31 1,1-Dichloroethane	63	9.903	9.924	(0.894)	509380	10.0000	8.4
	34 1,2-Dichloroethene (cis)	96	10.730	10.746	(0.969)	289532	10.0000	8.1
	36 Methyl Ethyl Ketone	72	10.714	10.736	(0.968)	122422	10.0000	7.8(Q)
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	264052	10.0000	
	38 Tetrahydrofuran	42	11.109	11.130	(0.896)	253042	10.0000	8.9
	39 Chloroform	83	11.125	11.146	(1.005)	662630	10.0000	9.5
	40 Cyclohexane	84	11.435	11.451	(0.922)	407717	10.0000	7.9
	41 1,1,1-Trichloroethane	97	11.408	11.424	(0.920)	781749	10.0000	11
	42 Carbon tetrachloride	117	11.606	11.621	(0.936)	795850	10.0000	11
	43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1403399	10.0000	8.0
	44 Benzene	78	11.910	11.926	(0.961)	890788	10.0000	7.8
	45 1,2-Dichloroethane	62	11.985	12.006	(0.967)	455126	10.0000	10
	46 n-Heptane	43	12.086	12.102	(0.975)	519978	10.0000	8.1
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1506906	10.0000	
	49 Trichloroethene	95	12.764	12.785	(1.030)	432239	10.0000	8.8
	50 1,2-Dichloropropane	63	13.127	13.148	(1.059)	312781	10.0000	8.0(Q)
	51 Methyl methacrylate	69	13.137	13.159	(1.060)	279869	10.0000	8.7(Q)
	53 1,4-Dioxane	88	13.255	13.276	(1.069)	109085	10.0000	8.2
	54 Bromodichloromethane	83	13.458	13.479	(1.086)	758051	10.0000	10
	55 1,3-Dichloropropene (cis)	75	14.071	14.092	(1.135)	532903	10.0000	9.0
	56 Methyl isobutyl ketone	43	14.215	14.237	(1.147)	545180	10.0000	9.1
	58 Toluene	92	14.509	14.525	(0.889)	663117	10.0000	8.3
	59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	555884	10.0000	9.8
	60 1,1,2-Trichloroethane	83	15.069	15.090	(0.923)	307632	10.0000	8.4
	61 Tetrachloroethene	166	15.229	15.245	(0.933)	534860	10.0000	9.0
	63 Dibromochloromethane	129	15.592	15.608	(0.956)	715565	10.0000	10
	64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	606822	10.0000	9.1
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1316382	10.0000	
	66 Chlorobenzene	112	16.355	16.377	(1.002)	884846	10.0000	8.6
	68 Ethylbenzene	91	16.419	16.435	(1.006)	1491891	10.0000	9.3
	69 Xylene (m,p)	106	16.553	16.574	(1.014)	1128041	20.0000	18
	71 Xylene (o)	106	17.049	17.065	(1.045)	547601	10.0000	8.8
	72 Styrene	104	17.065	17.086	(1.046)	862006	10.0000	8.9
	73 Bromoform	173	17.353	17.375	(1.063)	622365	10.0000	10
	75 1,1,2,2-Tetrachloroethane	83	17.850	17.866	(1.094)	780461	10.0000	8.5
	79 4-Ethyltoluene	105	18.079	18.100	(1.108)	1749166	10.0000	9.7
	80 2-Chlorotoluene	91	18.133	18.154	(1.111)	1547564	10.0000	9.7
	81 1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	1526493	10.0000	10
	84 1,2,4-Trimethylbenzene	105	18.645	18.661	(1.143)	1458794	10.0000	10
	87 1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	876123	10.0000	8.8
	88 1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	863981	10.0000	8.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.771	19.792	(1.212)	842618	10.0000	8.9
94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	406087	10.0000	8.5
95 1,3-Hexachlorobutadiene	225	22.653	22.685	(1.388)	382269	10.0000	8.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr002.d	Date:	20-MAR-2012 13:03
Client ID:	ccvis 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302592		
Lab Sample ID:	ccvis 302592		



Manual Integration Report

Data File: ckqr002.d
Lab Sample ID: ccvis 302592
Inj. Date and Time: 20-MAR-2012 13:03
Instrument ID: C.i
Client ID: ccvis 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/21/2012

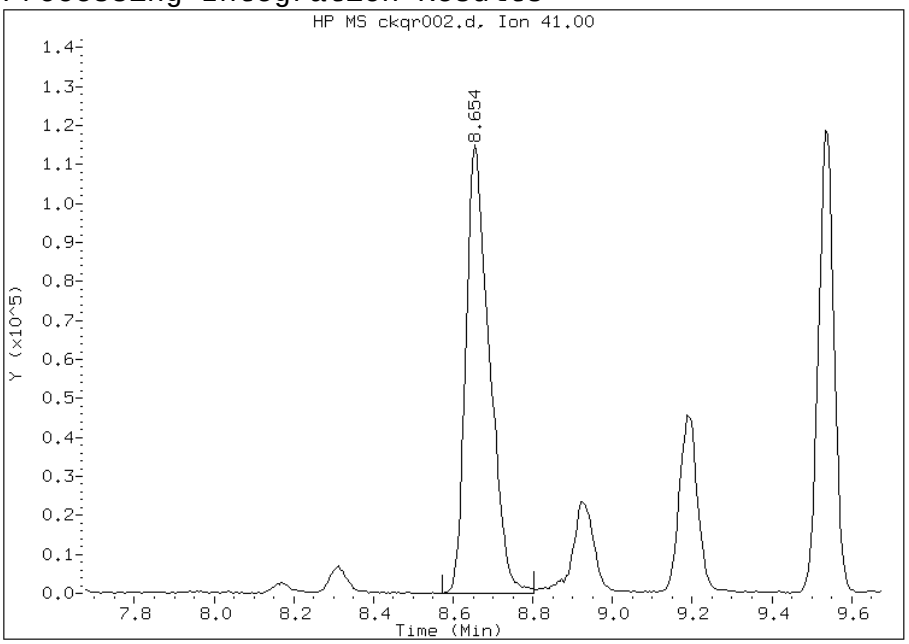
Processing Integration Results

RT: 8.65

Response: 473384

Amount: 10.18

Conc: 10.18



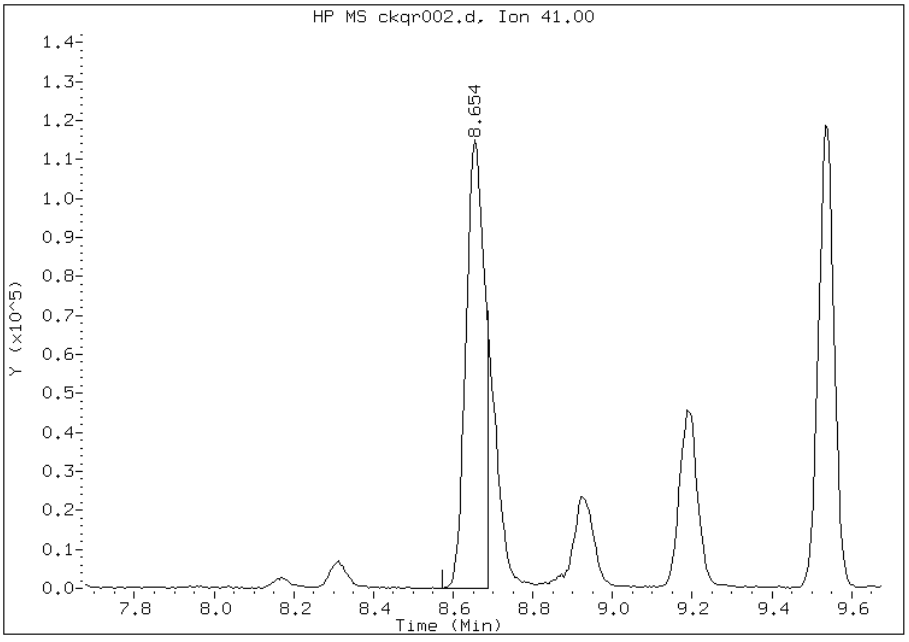
Manual Integration Results

RT: 8.65

Response: 367548

Amount: 7.90

Conc: 7.90



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-35378/27 Calibration Date: 03/21/2012 10:47

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr027.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.465		11.8	10.0	18.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.226		9.48	10.0	-5.1	30.0
Chloromethane	Ave	1.033	0.9016		8.72	10.0	-12.8	30.0
Vinyl chloride	Ave	1.233	1.035		8.39	10.0	-16.1	30.0
1,3-Butadiene	Ave	0.9312	0.7719		8.29	10.0	-17.1	30.0
Bromomethane	Ave	1.085	0.9304		8.57	10.0	-14.2	30.0
Chloroethane	Ave	0.6096	0.5082		8.34	10.0	-16.6	30.0
Vinyl bromide	Ave	1.151	0.9299		8.07	10.0	-19.2	30.0
Trichlorofluoromethane	Ave	3.030	3.568		11.8	10.0	17.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.105		8.96	10.0	-10.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9481		7.90	10.0	-21.0	30.0
Acetone	Ave	1.414	1.491		10.5	10.0	5.4	30.0
Isopropanol	Ave	1.106	1.077		9.73	10.0	-2.7	30.0
Carbon disulfide	Ave	3.589	2.934		8.17	10.0	-18.3	30.0
Allyl chloride	Ave	1.761	1.470		8.35	10.0	-16.5	30.0
Methylene Chloride	Ave	1.254	1.156		9.22	10.0	-7.8	30.0
tert-Butyl alcohol	Ave	1.571	1.771		11.3	10.0	12.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.255		9.83	10.0	-1.7	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.715		9.39	10.0	-6.1	30.0
n-Hexane	Ave	2.177	1.816		8.34	10.0	-16.6	30.0
1,1-Dichloroethane	Ave	2.305	2.153		9.34	10.0	-6.6	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4862		8.16	10.0	-18.4	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.162		8.61	10.0	-13.9	30.0
Tetrahydrofuran	Ave	0.1887	0.1910		10.1	10.0	1.2	30.0
Chloroform	Ave	2.638	2.795		10.6	10.0	5.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5781		12.2	10.0	21.7	30.0
Cyclohexane	Ave	0.3427	0.2886		8.42	10.0	-15.8	30.0
Carbon tetrachloride	Ave	0.4637	0.5919		12.8	10.0	27.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.028		8.82	10.0	-11.8	30.0
Benzene	Ave	0.7557	0.6258		8.28	10.0	-17.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3466		12.0	10.0	20.2	30.0
n-Heptane	Ave	0.4261	0.3923		9.20	10.0	-7.9	30.0
Trichloroethene	Ave	0.3252	0.3110		9.56	10.0	-4.4	30.0
1,2-Dichloropropane	Ave	0.2579	0.2253		8.73	10.0	-12.7	30.0
Methyl methacrylate	Ave	0.2143	0.2000		9.33	10.0	-6.7	30.0
1,4-Dioxane	Ave	0.0879	0.0763		8.67	10.0	-13.3	30.0
Bromodichloromethane	Ave	0.4956	0.5588		11.3	10.0	12.7	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3831		9.71	10.0	-2.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-35378/27 Calibration Date: 03/21/2012 10:47

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqr027.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.4086		10.3	10.0	3.2	30.0
Toluene	Ave	0.6036	0.5122		8.48	10.0	-15.1	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4121		10.9	10.0	9.1	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2454		8.87	10.0	-11.3	30.0
Tetrachloroethene	Ave	0.4505	0.4198		9.32	10.0	-6.8	30.0
Dibromochloromethane	Ave	0.5267	0.5811		11.0	10.0	10.3	30.0
1,2-Dibromoethane	Ave	0.5058	0.4835		9.56	10.0	-4.4	30.0
Chlorobenzene	Ave	0.7815	0.7014		8.97	10.0	-10.2	30.0
Ethylbenzene	Ave	1.224	1.206		9.85	10.0	-1.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4459		18.3	20.0	-8.5	30.0
o-Xylene	Ave	0.4724	0.4387		9.29	10.0	-7.1	30.0
Styrene	Ave	0.7327	0.6921		9.44	10.0	-5.5	30.0
Bromoform	Ave	0.4668	0.5149		11.0	10.0	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6586		9.41	10.0	-5.9	30.0
4-Ethyltoluene	Ave	1.363	1.439		10.6	10.0	5.5	30.0
2-Chlorotoluene	Ave	1.217	1.293		10.6	10.0	6.2	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.252		11.1	10.0	11.2	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.229		11.0	10.0	10.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7318		9.69	10.0	-3.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7020		9.45	10.0	-5.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6800		9.49	10.0	-5.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3406		9.37	10.0	-6.3	30.0
Hexachlorobutadiene	Ave	0.3274	0.3353		10.2	10.0	2.4	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr027.d
Lab Smp Id: ccvc 302592 Client Smp ID: ccvc 302592
Inj Date : 21-MAR-2012 10:47
Operator : pad Inst ID: C.i
Smp Info : ccvc 302592
Misc Info : 200,1, ccvc
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:18 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	712191	10.0000	12
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	663076	10.0000	9.5
5 Chloromethane	50	5.511	5.511	(0.497)	185333	10.0000	8.7
7 Vinyl chloride	62	5.762	5.767	(0.520)	212695	10.0000	8.4
8 1,3-Butadiene	54	5.836	5.842	(0.527)	158655	10.0000	8.3
9 Bromomethane	94	6.493	6.503	(0.586)	191248	10.0000	8.6
10 Chloroethane	64	6.690	6.696	(0.604)	104459	10.0000	8.3
12 Vinyl bromide	106	7.043	7.053	(0.636)	191141	10.0000	8.1
13 Trichlorofluoromethane	101	7.128	7.138	(0.643)	733451	10.0000	12
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.998	(0.722)	432721	10.0000	9.0
19 1,1-Dichloroethene	96	8.062	8.072	(0.728)	194882	10.0000	7.9(Q)
20 Acetone	43	8.179	8.190	(0.738)	306516	10.0000	11
21 Carbon disulfide	76	8.462	8.478	(0.764)	603114	10.0000	8.2
22 Isopropanol	45	8.318	8.334	(0.751)	221302	10.0000	9.7

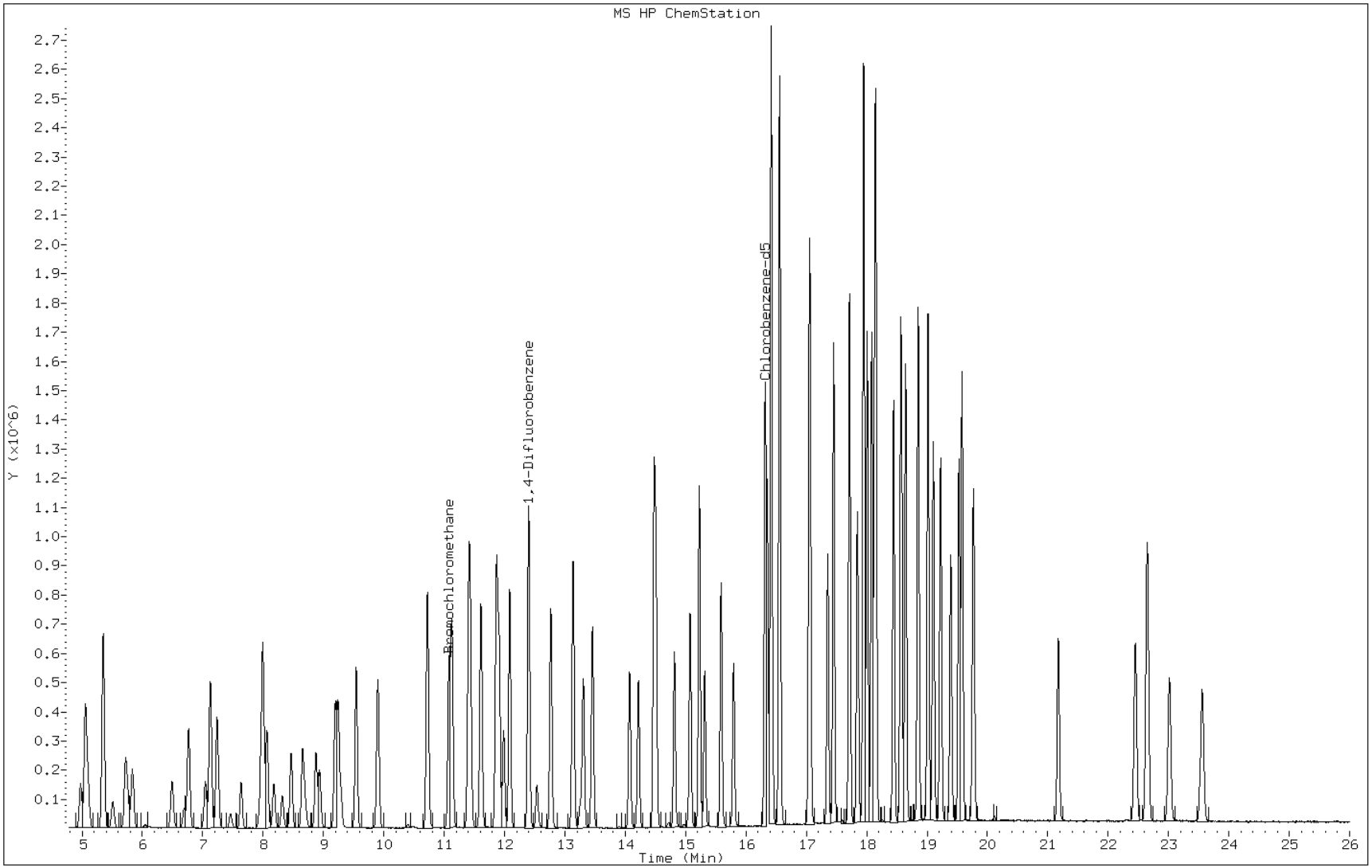
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.660	8.675	(0.782)	302174	10.0000	8.3(M)
25	Methylene chloride	49	8.873	8.889	(0.801)	237556	10.0000	9.2
26	Tert-butyl alcohol	59	8.937	8.953	(0.807)	363979	10.0000	11
27	Methyl tert-butyl ether	73	9.199	9.215	(0.830)	669146	10.0000	9.8
28	1,2-Dichloroethene (trans)	61	9.241	9.263	(0.834)	352427	10.0000	9.4
30	n-Hexane	57	9.540	9.556	(0.861)	373331	10.0000	8.3
31	1,1-Dichloroethane	63	9.908	9.924	(0.894)	442618	10.0000	9.3
34	1,2-Dichloroethene (cis)	96	10.730	10.746	(0.969)	238929	10.0000	8.6
36	Methyl Ethyl Ketone	72	10.720	10.736	(0.968)	99945	10.0000	8.2(Q)
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	205591	10.0000	
38	Tetrahydrofuran	42	11.115	11.130	(0.896)	226347	10.0000	10
39	Chloroform	83	11.131	11.146	(1.005)	574460	10.0000	11
40	Cyclohexane	84	11.435	11.451	(0.922)	342079	10.0000	8.4
41	1,1,1-Trichloroethane	97	11.408	11.424	(0.920)	685170	10.0000	12
42	Carbon tetrachloride	117	11.606	11.621	(0.936)	701601	10.0000	13
43	2,2,4-Trimethylpentane	57	11.867	11.883	(0.957)	1218834	10.0000	8.8
44	Benzene	78	11.910	11.926	(0.960)	741764	10.0000	8.3
45	1,2-Dichloroethane	62	11.985	12.006	(0.966)	410752	10.0000	12
46	n-Heptane	43	12.086	12.102	(0.975)	464953	10.0000	9.2
* 47	1,4-Difluorobenzene	114	12.401	12.417	(1.000)	1185503	10.0000	
49	Trichloroethene	95	12.769	12.785	(1.030)	368643	10.0000	9.6
50	1,2-Dichloropropane	63	13.132	13.148	(1.059)	267001	10.0000	8.7(Q)
51	Methyl methacrylate	69	13.143	13.159	(1.060)	237032	10.0000	9.3(Q)
53	1,4-Dioxane	88	13.255	13.276	(1.069)	90378	10.0000	8.7
54	Bromodichloromethane	83	13.458	13.479	(1.085)	662277	10.0000	11
55	1,3-Dichloropropene (cis)	75	14.077	14.092	(1.135)	454119	10.0000	9.7
56	Methyl isobutyl ketone	43	14.221	14.237	(1.147)	484256	10.0000	10
58	Toluene	92	14.509	14.525	(0.889)	550676	10.0000	8.5
59	1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	488444	10.0000	11
60	1,1,2-Trichloroethane	83	15.075	15.090	(0.924)	263798	10.0000	8.9
61	Tetrachloroethene	166	15.229	15.245	(0.933)	451336	10.0000	9.3
63	Dibromochloromethane	129	15.592	15.608	(0.956)	624808	10.0000	11
64	1,2-Dibromoethane	107	15.790	15.811	(0.968)	519823	10.0000	9.6
* 65	Chlorobenzene-d5	117	16.318	16.339	(1.000)	1075417	10.0000	
66	Chlorobenzene	112	16.355	16.377	(1.002)	754140	10.0000	9.0
68	Ethylbenzene	91	16.419	16.435	(1.006)	1296706	10.0000	9.9
69	Xylene (m,p)	106	16.558	16.574	(1.015)	958804	20.0000	18(Q)
71	Xylene (o)	106	17.049	17.065	(1.045)	471678	10.0000	9.3(Q)
72	Styrene	104	17.065	17.086	(1.046)	744179	10.0000	9.4
73	Bromoform	173	17.353	17.375	(1.063)	553603	10.0000	11
75	1,1,2,2-Tetrachloroethane	83	17.850	17.866	(1.094)	708111	10.0000	9.4
79	4-Ethyltoluene	105	18.079	18.100	(1.108)	1546966	10.0000	11
80	2-Chlorotoluene	91	18.133	18.154	(1.111)	1389947	10.0000	11
81	1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	1346344	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.645	18.661	(1.143)	1321825	10.0000	11
87	1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	786872	10.0000	9.7
88	1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	754771	10.0000	9.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.771	19.792	(1.212)	731083	10.0000	9.5
94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	366260	10.0000	9.4
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	360488	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr027.d	Date:	21-MAR-2012 10:47
Client ID:	ccvc 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302592		
Lab Sample ID:	ccvc 302592		



Manual Integration Report

Data File: ckqr027.d
Lab Sample ID: ccvc 302592
Inj. Date and Time: 21-MAR-2012 10:47
Instrument ID: C.i
Client ID: ccvc 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/21/2012

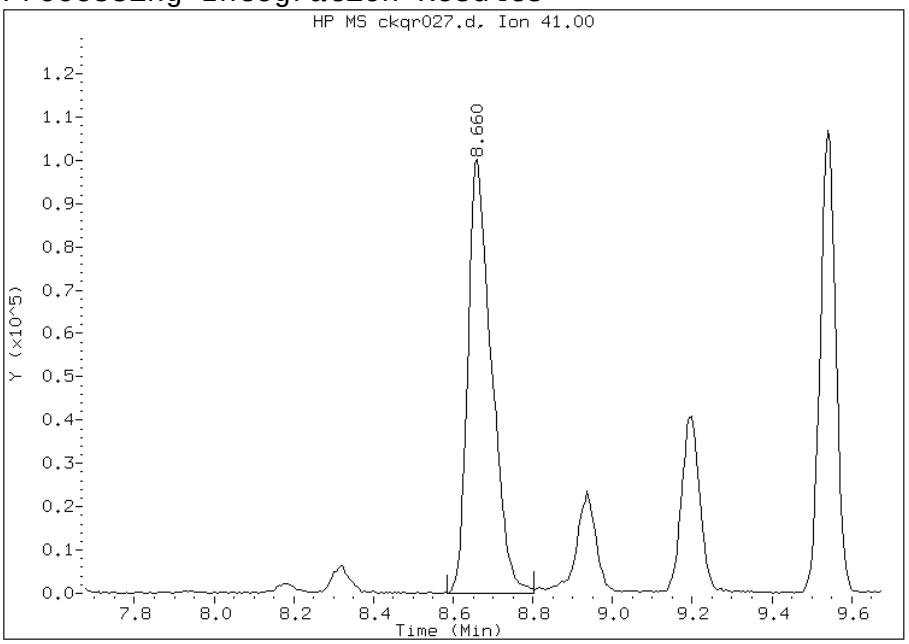
Processing Integration Results

RT: 8.66

Response: 413293

Amount: 11.42

Conc: 11.42



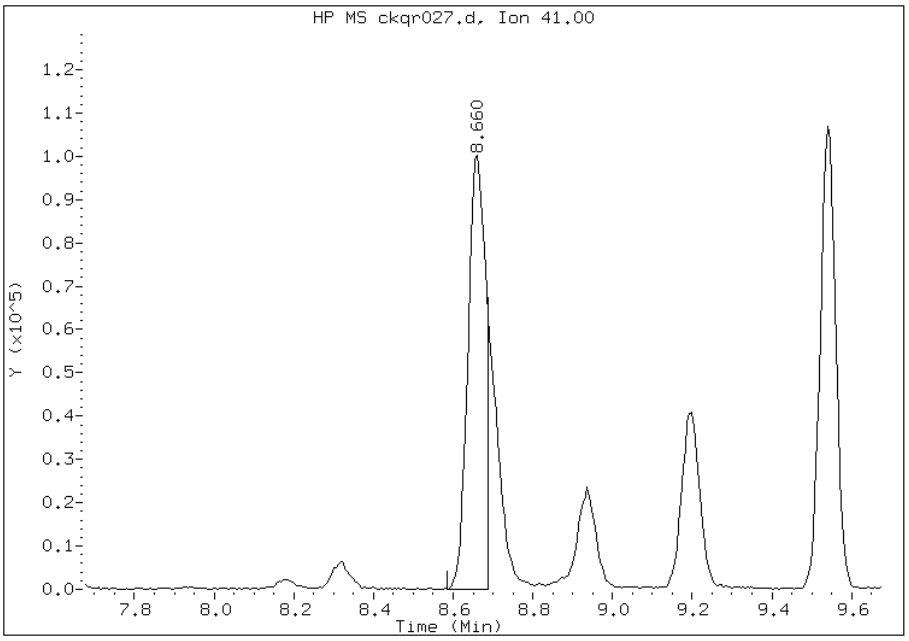
Manual Integration Results

RT: 8.66

Response: 302174

Amount: 8.35

Conc: 8.35



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-35786/2 Calibration Date: 03/27/2012 11:26

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.192		10.9	10.0	8.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.974		8.74	10.0	-12.6	30.0
Chloromethane	Ave	1.033	0.8036		7.77	10.0	-22.2	30.0
Vinyl chloride	Ave	1.233	0.9408		7.63	10.0	-23.7	30.0
1,3-Butadiene	Ave	0.9312	0.7043		7.56	10.0	-24.4	30.0
Bromomethane	Ave	1.085	0.8951		8.25	10.0	-17.5	30.0
Chloroethane	Ave	0.6096	0.4837		7.93	10.0	-20.6	30.0
Vinyl bromide	Ave	1.151	0.9371		8.14	10.0	-18.6	30.0
Trichlorofluoromethane	Ave	3.030	3.479		11.5	10.0	14.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.090		8.90	10.0	-11.0	30.0
1,1-Dichloroethene	Ave	1.199	0.9363		7.80	10.0	-21.9	30.0
Acetone	Ave	1.414	1.474		10.4	10.0	4.2	30.0
Isopropanol	Ave	1.106	1.062		9.60	10.0	-4.0	30.0
Carbon disulfide	Ave	3.589	2.869		7.99	10.0	-20.1	30.0
Allyl chloride	Ave	1.761	1.395		7.92	10.0	-20.8	30.0
Methylene Chloride	Ave	1.254	1.078		8.60	10.0	-14.0	30.0
tert-Butyl alcohol	Ave	1.571	1.600		10.2	10.0	1.8	30.0
Methyl tert-butyl ether	Ave	3.311	3.243		9.79	10.0	-2.0	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.660		9.09	10.0	-9.1	30.0
n-Hexane	Ave	2.177	1.750		8.04	10.0	-19.6	30.0
1,1-Dichloroethane	Ave	2.305	2.043		8.86	10.0	-11.4	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4778		8.02	10.0	-19.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.127		8.35	10.0	-16.5	30.0
Tetrahydrofuran	Ave	0.1887	0.1837		9.73	10.0	-2.7	30.0
Chloroform	Ave	2.638	2.694		10.2	10.0	2.1	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5643		11.9	10.0	18.8	30.0
Cyclohexane	Ave	0.3427	0.2817		8.22	10.0	-17.8	30.0
Carbon tetrachloride	Ave	0.4637	0.5738		12.4	10.0	23.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9885		8.48	10.0	-15.2	30.0
Benzene	Ave	0.7557	0.6110		8.08	10.0	-19.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3340		11.6	10.0	15.8	30.0
n-Heptane	Ave	0.4261	0.3747		8.79	10.0	-12.1	30.0
Trichloroethene	Ave	0.3252	0.3008		9.25	10.0	-7.5	30.0
1,2-Dichloropropane	Ave	0.2579	0.2172		8.42	10.0	-15.8	30.0
Methyl methacrylate	Ave	0.2143	0.2014		9.40	10.0	-6.0	30.0
1,4-Dioxane	Ave	0.0879	0.0805		9.16	10.0	-8.4	30.0
Bromodichloromethane	Ave	0.4956	0.5397		10.9	10.0	8.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3743		9.48	10.0	-5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-35786/2 Calibration Date: 03/27/2012 11:26

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.3939		9.95	10.0	-0.5	30.0
Toluene	Ave	0.6036	0.4876		8.08	10.0	-19.2	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4034		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2322		8.39	10.0	-16.1	30.0
Tetrachloroethene	Ave	0.4505	0.3964		8.80	10.0	-12.0	30.0
Dibromochloromethane	Ave	0.5267	0.5431		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.5058	0.4459		8.81	10.0	-11.8	30.0
Chlorobenzene	Ave	0.7815	0.6579		8.42	10.0	-15.8	30.0
Ethylbenzene	Ave	1.224	1.121		9.16	10.0	-8.4	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4104		16.8	20.0	-15.8	30.0
o-Xylene	Ave	0.4724	0.4011		8.49	10.0	-15.1	30.0
Styrene	Ave	0.7327	0.6334		8.64	10.0	-13.6	30.0
Bromoform	Ave	0.4668	0.4788		10.3	10.0	2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5824		8.32	10.0	-16.8	30.0
4-Ethyltoluene	Ave	1.363	1.293		9.49	10.0	-5.1	30.0
2-Chlorotoluene	Ave	1.217	1.164		9.56	10.0	-4.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.135		10.1	10.0	0.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.103		9.92	10.0	-0.8	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6505		8.61	10.0	-13.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6347		8.54	10.0	-14.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6095		8.51	10.0	-14.9	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2936		8.08	10.0	-19.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2830		8.64	10.0	-13.6	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw002.d
Lab Smp Id: ccvis 302592 Client Smp ID: ccvis 302592
Inj Date : 27-MAR-2012 11:26
Operator : pad Inst ID: C.i
Smp Info : ccvis 302592
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	716162	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.351	(0.483)	667076	10.0000	8.7
5 Chloromethane	50	5.511	5.511	(0.498)	180280	10.0000	7.8
7 Vinyl chloride	62	5.767	5.767	(0.521)	211049	10.0000	7.6
8 1,3-Butadiene	54	5.836	5.842	(0.527)	158005	10.0000	7.6
9 Bromomethane	94	6.488	6.503	(0.586)	200803	10.0000	8.2
10 Chloroethane	64	6.690	6.696	(0.604)	108517	10.0000	7.9
12 Vinyl bromide	106	7.043	7.053	(0.636)	210218	10.0000	8.1
13 Trichlorofluoromethane	101	7.128	7.138	(0.644)	780561	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.998	(0.721)	468888	10.0000	8.9
19 1,1-Dichloroethene	96	8.057	8.072	(0.728)	210045	10.0000	7.8(Q)
20 Acetone	43	8.169	8.190	(0.738)	330736	10.0000	10
21 Carbon disulfide	76	8.462	8.478	(0.764)	643551	10.0000	8.0
22 Isopropanol	45	8.313	8.334	(0.751)	238269	10.0000	9.6

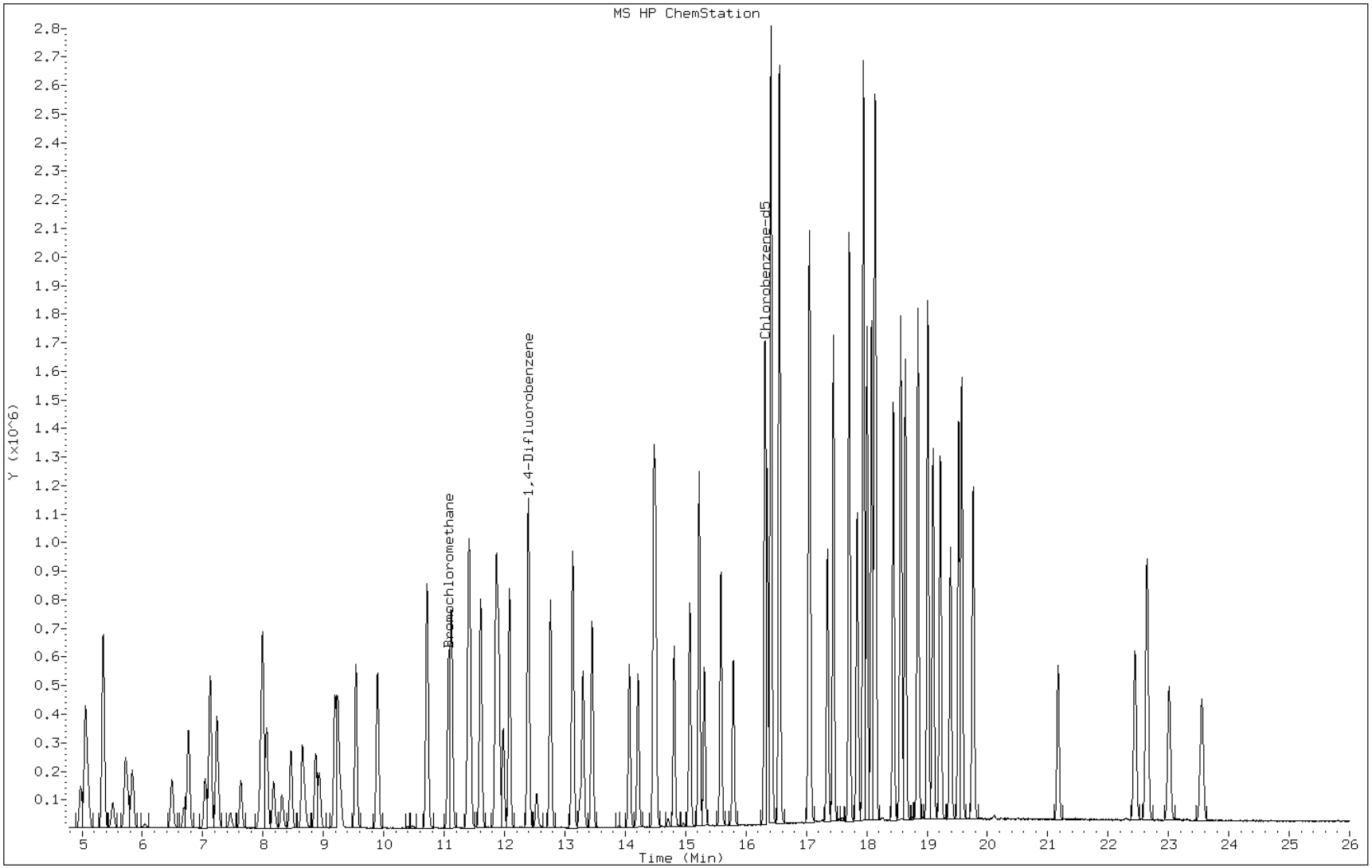
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.654	8.675	(0.782)	312943	10.0000	7.9(M)
25	Methylene chloride	49	8.868	8.889	(0.801)	241836	10.0000	8.6
26	Tert-butyl alcohol	59	8.932	8.953	(0.807)	358885	10.0000	10
27	Methyl tert-butyl ether	73	9.193	9.215	(0.830)	727502	10.0000	9.8
28	1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	372323	10.0000	9.1
30	n-Hexane	57	9.540	9.556	(0.862)	392548	10.0000	8.0
31	1,1-Dichloroethane	63	9.903	9.924	(0.894)	458354	10.0000	8.9
34	1,2-Dichloroethene (cis)	96	10.725	10.746	(0.969)	252886	10.0000	8.3
36	Methyl Ethyl Ketone	72	10.714	10.736	(0.968)	107191	10.0000	8.0(Q)
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	224381	10.0000	
38	Tetrahydrofuran	42	11.109	11.130	(0.896)	235431	10.0000	9.7
39	Chloroform	83	11.125	11.146	(1.005)	604331	10.0000	10
40	Cyclohexane	84	11.430	11.451	(0.922)	361118	10.0000	8.2
41	1,1,1-Trichloroethane	97	11.403	11.424	(0.920)	723221	10.0000	12
42	Carbon tetrachloride	117	11.600	11.621	(0.936)	735497	10.0000	12
43	2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1266946	10.0000	8.5
44	Benzene	78	11.905	11.926	(0.960)	783099	10.0000	8.1
45	1,2-Dichloroethane	62	11.979	12.006	(0.966)	428160	10.0000	12
46	n-Heptane	43	12.081	12.102	(0.975)	480227	10.0000	8.8
* 47	1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1281993	10.0000	
49	Trichloroethene	95	12.764	12.785	(1.030)	385515	10.0000	9.2
50	1,2-Dichloropropane	63	13.121	13.148	(1.059)	278358	10.0000	8.4(Q)
51	Methyl methacrylate	69	13.137	13.159	(1.060)	258138	10.0000	9.4(Q)
53	1,4-Dioxane	88	13.249	13.276	(1.069)	103178	10.0000	9.2
54	Bromodichloromethane	83	13.452	13.479	(1.085)	691717	10.0000	11
55	1,3-Dichloropropene (cis)	75	14.066	14.092	(1.135)	479709	10.0000	9.5
56	Methyl isobutyl ketone	43	14.215	14.237	(1.147)	504826	10.0000	10
58	Toluene	92	14.504	14.525	(0.889)	591543	10.0000	8.1
59	1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	517091	10.0000	11
60	1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	281719	10.0000	8.4
61	Tetrachloroethene	166	15.224	15.245	(0.933)	480849	10.0000	8.8
63	Dibromochloromethane	129	15.587	15.608	(0.956)	658870	10.0000	10
64	1,2-Dibromoethane	107	15.790	15.811	(0.968)	540898	10.0000	8.8
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1213301	10.0000	
66	Chlorobenzene	112	16.350	16.377	(1.002)	798024	10.0000	8.4
68	Ethylbenzene	91	16.414	16.435	(1.006)	1359999	10.0000	9.2
69	Xylene (m,p)	106	16.553	16.574	(1.015)	995613	20.0000	17(Q)
71	Xylene (o)	106	17.044	17.065	(1.045)	486569	10.0000	8.5(Q)
72	Styrene	104	17.065	17.086	(1.046)	768355	10.0000	8.6
73	Bromoform	173	17.348	17.375	(1.063)	580867	10.0000	10
75	1,1,2,2-Tetrachloroethane	83	17.845	17.866	(1.094)	706445	10.0000	8.3
79	4-Ethyltoluene	105	18.079	18.100	(1.108)	1568825	10.0000	9.5
80	2-Chlorotoluene	91	18.127	18.154	(1.111)	1412039	10.0000	9.6
81	1,3,5-Trimethylbenzene	105	18.149	18.170	(1.113)	1377238	10.0000	10
84	1,2,4-Trimethylbenzene	105	18.640	18.661	(1.143)	1338559	10.0000	9.9
87	1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	789081	10.0000	8.6
88	1,4-Dichlorobenzene	146	19.221	19.248	(1.178)	769949	10.0000	8.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.212)	739371	10.0000	8.5
94 1,2,4-Trichlorobenzene	180	22.445	22.487	(1.376)	356166	10.0000	8.1
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	343289	10.0000	8.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqw002.d	Date:	27-MAR-2012 11:26
Client ID:	ccvis 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302592		
Lab Sample ID:	ccvis 302592		



Manual Integration Report

Data File: ckqw002.d
Lab Sample ID: ccvis 302592
Inj. Date and Time: 27-MAR-2012 11:26
Instrument ID: C.i
Client ID: ccvis 302592
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 03/28/2012

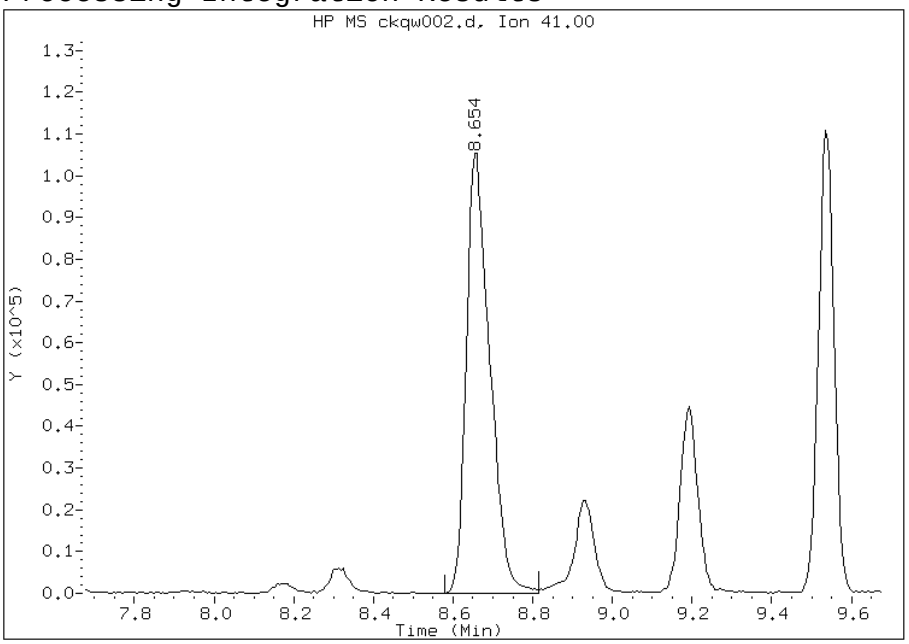
Processing Integration Results

RT: 8.65

Response: 432066

Amount: 10.93

Conc: 10.93



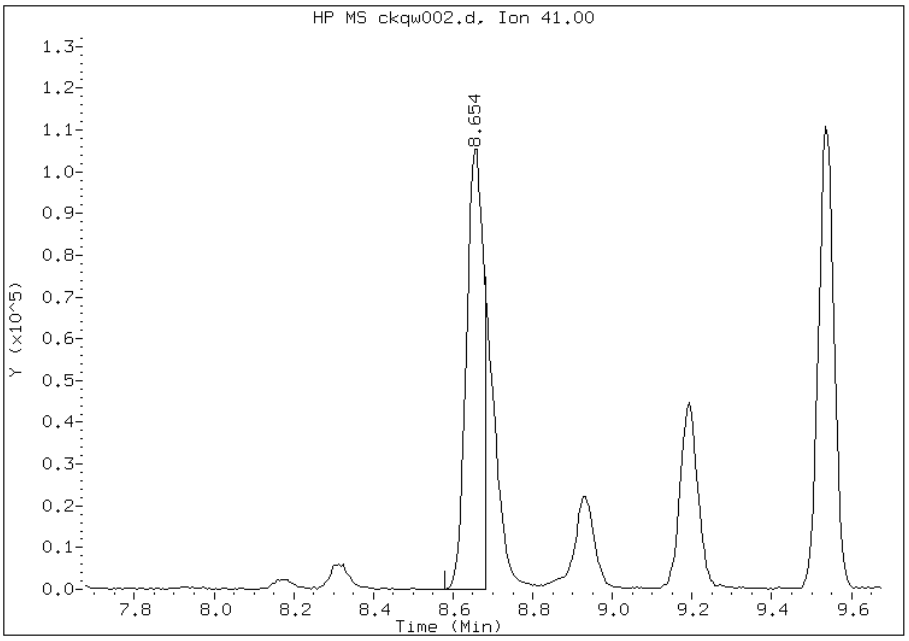
Manual Integration Results

RT: 8.65

Response: 312943

Amount: 7.92

Conc: 7.92



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-35786/28 Calibration Date: 03/28/2012 09:40

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.337		11.4	10.0	13.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.107		9.13	10.0	-8.7	30.0
Chloromethane	Ave	1.033	0.8414		8.14	10.0	-18.6	30.0
Vinyl chloride	Ave	1.233	0.9939		8.06	10.0	-19.4	30.0
1,3-Butadiene	Ave	0.9312	0.7348		7.89	10.0	-21.1	30.0
Bromomethane	Ave	1.085	0.9463		8.72	10.0	-12.8	30.0
Chloroethane	Ave	0.6096	0.5118		8.39	10.0	-16.0	30.0
Vinyl bromide	Ave	1.151	0.9476		8.23	10.0	-17.7	30.0
Trichlorofluoromethane	Ave	3.030	3.640		12.0	10.0	20.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.140		9.11	10.0	-8.9	30.0
1,1-Dichloroethene	Ave	1.199	0.9414		7.85	10.0	-21.5	30.0
Acetone	Ave	1.414	1.606		11.4	10.0	13.5	30.0
Isopropanol	Ave	1.106	1.072		9.69	10.0	-3.1	30.0
Carbon disulfide	Ave	3.589	2.937		8.18	10.0	-18.2	30.0
Allyl chloride	Ave	1.761	2.072		11.8	10.0	17.7	30.0
Methylene Chloride	Ave	1.254	1.142		9.11	10.0	-8.9	30.0
tert-Butyl alcohol	Ave	1.571	1.702		10.8	10.0	8.3	30.0
Methyl tert-butyl ether	Ave	3.311	3.420		10.3	10.0	3.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.723		9.43	10.0	-5.6	30.0
n-Hexane	Ave	2.177	1.827		8.39	10.0	-16.1	30.0
1,1-Dichloroethane	Ave	2.305	2.150		9.33	10.0	-6.7	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5063		8.50	10.0	-15.0	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.149		8.51	10.0	-14.9	30.0
Tetrahydrofuran	Ave	0.1887	0.1952		10.3	10.0	3.4	30.0
Chloroform	Ave	2.638	2.781		10.5	10.0	5.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5849		12.3	10.0	23.1	30.0
Cyclohexane	Ave	0.3427	0.2885		8.42	10.0	-15.8	30.0
Carbon tetrachloride	Ave	0.4637	0.6005		12.9	10.0	29.5	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.030		8.84	10.0	-11.6	30.0
Benzene	Ave	0.7557	0.6254		8.27	10.0	-17.3	30.0
1,2-Dichloroethane	Ave	0.2884	0.3510		12.2	10.0	21.7	30.0
n-Heptane	Ave	0.4261	0.3959		9.29	10.0	-7.1	30.0
Trichloroethene	Ave	0.3252	0.3045		9.36	10.0	-6.4	30.0
1,2-Dichloropropane	Ave	0.2579	0.2252		8.73	10.0	-12.7	30.0
Methyl methacrylate	Ave	0.2143	0.2112		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.0879	0.0780		8.87	10.0	-11.3	30.0
Bromodichloromethane	Ave	0.4956	0.5605		11.3	10.0	13.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3897		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-35786/28 Calibration Date: 03/28/2012 09:40

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqw028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3957	0.4274		10.8	10.0	8.0	30.0
Toluene	Ave	0.6036	0.4858		8.05	10.0	-19.5	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4227		11.2	10.0	11.9	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2321		8.38	10.0	-16.1	30.0
Tetrachloroethene	Ave	0.4505	0.3907		8.67	10.0	-13.3	30.0
Dibromochloromethane	Ave	0.5267	0.5458		10.4	10.0	3.6	30.0
1,2-Dibromoethane	Ave	0.5058	0.4516		8.93	10.0	-10.7	30.0
Chlorobenzene	Ave	0.7815	0.6537		8.36	10.0	-16.4	30.0
Ethylbenzene	Ave	1.224	1.142		9.33	10.0	-6.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4192		17.2	20.0	-14.0	30.0
o-Xylene	Ave	0.4724	0.4082		8.64	10.0	-13.6	30.0
Styrene	Ave	0.7327	0.6415		8.75	10.0	-12.4	30.0
Bromoform	Ave	0.4668	0.4863		10.4	10.0	4.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6000		8.57	10.0	-14.3	30.0
4-Ethyltoluene	Ave	1.363	1.343		9.85	10.0	-1.5	30.0
2-Chlorotoluene	Ave	1.217	1.213		9.96	10.0	-0.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.149		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.135		10.2	10.0	2.0	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6689		8.86	10.0	-11.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6467		8.70	10.0	-12.9	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6230		8.70	10.0	-13.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2938		8.08	10.0	-19.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2909		8.88	10.0	-11.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw028.d
Lab Smp Id: ccvc 302592 Client Smp ID: ccvc 302592
Inj Date : 28-MAR-2012 09:40
Operator : pad Inst ID: C.i
Smp Info : ccvc 302592
Misc Info : 200,1, ccvc
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:31 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.456)	670511	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	624266	10.0000	9.1
5 Chloromethane	50	5.511	5.511	(0.498)	169080	10.0000	8.1
7 Vinyl chloride	62	5.762	5.767	(0.520)	199717	10.0000	8.1
8 1,3-Butadiene	54	5.831	5.842	(0.527)	147652	10.0000	7.9
9 Bromomethane	94	6.488	6.503	(0.586)	190145	10.0000	8.7
10 Chloroethane	64	6.690	6.696	(0.604)	102835	10.0000	8.4
12 Vinyl bromide	106	7.043	7.053	(0.636)	190415	10.0000	8.2
13 Trichlorofluoromethane	101	7.123	7.138	(0.643)	731348	10.0000	12
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.998	(0.721)	429981	10.0000	9.1
19 1,1-Dichloroethene	96	8.057	8.072	(0.728)	189168	10.0000	7.8(Q)
20 Acetone	43	8.169	8.190	(0.738)	322653	10.0000	11
21 Carbon disulfide	76	8.462	8.478	(0.764)	590193	10.0000	8.2
22 Isopropanol	45	8.307	8.334	(0.750)	215384	10.0000	9.7

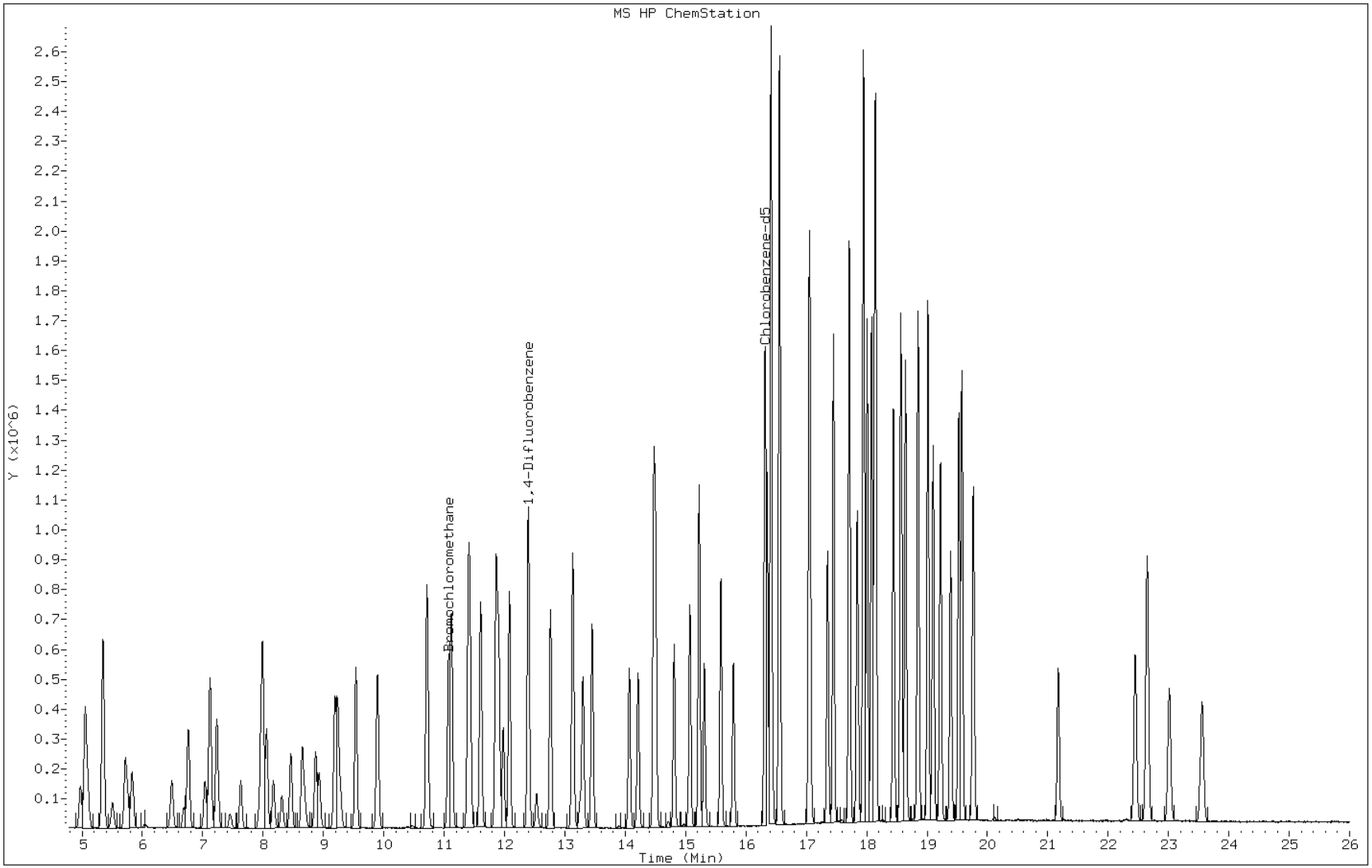
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	23 Allyl chloride	41	8.654	8.675	(0.782)	416342	10.0000	12
	25 Methylene chloride	49	8.868	8.889	(0.801)	229479	10.0000	9.1
	26 Tert-butyl alcohol	59	8.927	8.953	(0.806)	342048	10.0000	11
	27 Methyl tert-butyl ether	73	9.193	9.215	(0.830)	687171	10.0000	10
	28 1,2-Dichloroethene (trans)	61	9.241	9.263	(0.835)	346278	10.0000	9.4
	30 n-Hexane	57	9.535	9.556	(0.861)	367160	10.0000	8.4
	31 1,1-Dichloroethane	63	9.903	9.924	(0.894)	432047	10.0000	9.3
	34 1,2-Dichloroethene (cis)	96	10.725	10.746	(0.969)	230933	10.0000	8.5
	36 Methyl Ethyl Ketone	72	10.709	10.736	(0.967)	101731	10.0000	8.5(Q)
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	200984	10.0000	
	38 Tetrahydrofuran	42	11.104	11.130	(0.896)	226288	10.0000	10
	39 Chloroform	83	11.125	11.146	(1.005)	558815	10.0000	11
	40 Cyclohexane	84	11.430	11.451	(0.922)	334552	10.0000	8.4
	41 1,1,1-Trichloroethane	97	11.403	11.424	(0.920)	678189	10.0000	12
	42 Carbon tetrachloride	117	11.600	11.621	(0.936)	696334	10.0000	13
	43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	1194706	10.0000	8.8
	44 Benzene	78	11.904	11.926	(0.960)	725132	10.0000	8.3
	45 1,2-Dichloroethane	62	11.979	12.006	(0.966)	407024	10.0000	12
	46 n-Heptane	43	12.081	12.102	(0.975)	459107	10.0000	9.3
*	47 1,4-Difluorobenzene	114	12.395	12.417	(1.000)	1159792	10.0000	
	49 Trichloroethene	95	12.764	12.785	(1.030)	353090	10.0000	9.4
	50 1,2-Dichloropropane	63	13.127	13.148	(1.059)	261123	10.0000	8.7(Q)
	51 Methyl methacrylate	69	13.137	13.159	(1.060)	244911	10.0000	9.9(Q)
	53 1,4-Dioxane	88	13.244	13.276	(1.068)	90440	10.0000	8.9
	54 Bromodichloromethane	83	13.452	13.479	(1.085)	649898	10.0000	11
	55 1,3-Dichloropropene (cis)	75	14.066	14.092	(1.135)	451926	10.0000	9.9
	56 Methyl isobutyl ketone	43	14.215	14.237	(1.147)	495636	10.0000	11
	58 Toluene	92	14.504	14.525	(0.889)	548148	10.0000	8.0
	59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	490109	10.0000	11
	60 1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	261856	10.0000	8.4
	61 Tetrachloroethene	166	15.224	15.245	(0.933)	440892	10.0000	8.7
	63 Dibromochloromethane	129	15.587	15.608	(0.956)	615896	10.0000	10
	64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	509636	10.0000	8.9
*	65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	1128639	10.0000	
	66 Chlorobenzene	112	16.355	16.377	(1.003)	737635	10.0000	8.4
	68 Ethylbenzene	91	16.414	16.435	(1.006)	1288385	10.0000	9.3
	69 Xylene (m,p)	106	16.553	16.574	(1.015)	946048	20.0000	17(Q)
	71 Xylene (o)	106	17.044	17.065	(1.045)	460656	10.0000	8.6(Q)
	72 Styrene	104	17.065	17.086	(1.046)	723909	10.0000	8.8
	73 Bromoform	173	17.348	17.375	(1.063)	548709	10.0000	10
	75 1,1,2,2-Tetrachloroethane	83	17.844	17.866	(1.094)	677092	10.0000	8.6
	79 4-Ethyltoluene	105	18.079	18.100	(1.108)	1515453	10.0000	9.9
	80 2-Chlorotoluene	91	18.133	18.154	(1.112)	1368682	10.0000	10
	81 1,3,5-Trimethylbenzene	105	18.149	18.170	(1.113)	1297070	10.0000	10
	84 1,2,4-Trimethylbenzene	105	18.640	18.661	(1.143)	1280958	10.0000	10
	87 1,3-Dichlorobenzene	146	19.104	19.131	(1.171)	754817	10.0000	8.9
	88 1,4-Dichlorobenzene	146	19.227	19.248	(1.179)	729759	10.0000	8.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.212)	703026	10.0000	8.7
94 1,2,4-Trichlorobenzene	180	22.445	22.487	(1.376)	331578	10.0000	8.1
95 1,3-Hexachlorobutadiene	225	22.648	22.685	(1.388)	328252	10.0000	8.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqw028.d	Date:	28-MAR-2012 09:40
Client ID:	ccvc 302592	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302592		
Lab Sample ID:	ccvc 302592		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-34961/2 Calibration Date: 03/13/2012 10:50

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.103	3.965		9.66	10.0	-3.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.016	3.713		9.25	10.0	-7.5	30.0
Chloromethane	Ave	0.9760	0.8671		8.88	10.0	-11.2	30.0
Vinyl chloride	Ave	1.162	1.069		9.20	10.0	-7.9	30.0
1,3-Butadiene	Ave	0.7780	0.7189		9.24	10.0	-7.6	30.0
Bromomethane	Ave	1.262	1.182		9.37	10.0	-6.3	30.0
Chloroethane	Ave	0.5062	0.4693		9.27	10.0	-7.3	30.0
Vinyl bromide	Ave	1.246	1.199		9.62	10.0	-3.8	30.0
Trichlorofluoromethane	Ave	3.858	3.725		9.66	10.0	-3.4	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.379	2.294		9.64	10.0	-3.6	30.0
1,1-Dichloroethene	Ave	1.026	0.9734		9.49	10.0	-5.1	30.0
Acetone	Ave	1.188	1.172		9.87	10.0	-1.3	30.0
Carbon disulfide	Ave	3.051	2.939		9.63	10.0	-3.7	30.0
Isopropanol	Ave	0.8470	0.8402		9.92	10.0	-0.8	30.0
Allyl chloride	Ave	0.996	0.9769		9.80	10.0	-1.9	30.0
Methylene Chloride	Ave	0.9700	0.9513		9.81	10.0	-1.9	30.0
tert-Butyl alcohol	Ave	1.407	1.400		9.95	10.0	-0.5	30.0
1,2-Dichloroethene, trans-	Ave	1.498	1.437		9.59	10.0	-4.1	30.0
Methyl tert-butyl ether	Ave	2.628	2.685		10.2	10.0	2.2	30.0
n-Hexane	Ave	1.262	1.224		9.70	10.0	-3.0	30.0
1,1-Dichloroethane	Ave	1.722	1.667		9.68	10.0	-3.2	30.0
1,2-Dichloroethene, cis-	Ave	1.028	1.011		9.84	10.0	-1.6	30.0
Methyl Ethyl Ketone	Ave	0.3803	0.3409		8.96	10.0	-10.4	30.0
Tetrahydrofuran	Ave	0.1627	0.1708		10.5	10.0	4.9	30.0
Chloroform	Ave	2.246	2.182		9.71	10.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	0.7585	0.7107		9.37	10.0	-6.3	30.0
Cyclohexane	Ave	0.3316	0.3020		9.11	10.0	-8.9	30.0
Carbon tetrachloride	Ave	0.8628	0.8025		9.30	10.0	-7.0	30.0
2,2,4-Trimethylpentane	Ave	1.045	0.9561		9.15	10.0	-8.5	30.0
Benzene	Ave	0.6631	0.6120		9.23	10.0	-7.7	30.0
1,2-Dichloroethane	Ave	0.3453	0.3287		9.52	10.0	-4.8	30.0
n-Heptane	Ave	0.3216	0.2982		9.27	10.0	-7.3	30.0
Trichloroethene	Ave	0.3310	0.3007		9.08	10.0	-9.1	30.0
1,2-Dichloropropane	Ave	0.2129	0.1999		9.38	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1807	0.1742		9.64	10.0	-3.6	30.0
1,4-Dioxane	Ave	0.0868	0.0772		8.90	10.0	-11.0	30.0
Bromodichloromethane	Ave	0.5633	0.5295		9.40	10.0	-6.0	30.0
1,3-Dichloropropene, cis-	Ave	0.3118	0.2938		9.42	10.0	-5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVIS 200-34961/2 Calibration Date: 03/13/2012 10:50

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3288	0.3266		9.93	10.0	-0.7	30.0
Toluene	Ave	0.4697	0.4367		9.30	10.0	-7.0	30.0
1,3-Dichloropropene, trans-	Ave	0.3160	0.2993		9.47	10.0	-5.3	30.0
1,1,2-Trichloroethane	Ave	0.2338	0.2152		9.20	10.0	-7.9	30.0
Tetrachloroethene	Ave	0.5317	0.4825		9.07	10.0	-9.2	30.0
Dibromochloromethane	Ave	0.6439	0.5931		9.21	10.0	-7.9	30.0
1,2-Dibromoethane	Ave	0.4448	0.4075		9.16	10.0	-8.4	30.0
Chlorobenzene	Ave	0.6178	0.5616		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	0.9868	0.9443		9.57	10.0	-4.3	30.0
m-Xylene & p-Xylene	Ave	0.3906	0.3777		19.3	20.0	-3.3	30.0
o-Xylene	Ave	0.4156	0.3872		9.32	10.0	-6.8	30.0
Styrene	Ave	0.5284	0.5182		9.81	10.0	-1.9	30.0
Bromoform	Ave	0.6292	0.5909		9.39	10.0	-6.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6000	0.5539		9.23	10.0	-7.7	30.0
4-Ethyltoluene	Ave	1.065	1.048		9.84	10.0	-1.6	30.0
2-Chlorotoluene	Ave	1.080	0.999		9.24	10.0	-7.5	30.0
1,3,5-Trimethylbenzene	Ave	0.9905	0.9516		9.61	10.0	-3.9	30.0
1,2,4-Trimethylbenzene	Ave	0.9399	0.9129		9.71	10.0	-2.9	30.0
1,3-Dichlorobenzene	Ave	0.5916	0.5426		9.17	10.0	-8.3	30.0
1,4-Dichlorobenzene	Ave	0.5482	0.4922		8.98	10.0	-10.2	30.0
1,2-Dichlorobenzene	Ave	0.5989	0.5506		9.19	10.0	-8.1	30.0
1,2,4-Trichlorobenzene	Ave	0.2529	0.2069		8.18	10.0	-18.2	30.0
Hexachlorobutadiene	Ave	0.5660	0.5258		9.29	10.0	-7.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh002.d
Lab Smp Id: ccvis 302593 Client Smp ID: ccvis 302593
Inj Date : 13-MAR-2012 10:50
Operator : pad Inst ID: G.i
Smp Info : ccvis 302593
Misc Info : 200,1, ccvis
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.365)	3107152	10.0000	9.7
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	2909928	10.0000	9.2
5 Chloromethane	50	4.306	4.311	(0.413)	679496	10.0000	8.9
7 Vinyl chloride	62	4.595	4.605	(0.441)	838017	10.0000	9.2
8 1,3-Butadiene	54	4.686	4.696	(0.450)	563376	10.0000	9.2
9 Bromomethane	94	5.429	5.440	(0.521)	926503	10.0000	9.4
10 Chloroethane	64	5.665	5.681	(0.544)	367733	10.0000	9.3
12 Vinyl bromide	106	6.061	6.071	(0.582)	939332	10.0000	9.6
13 Trichlorofluoromethane	101	6.162	6.173	(0.592)	2919297	10.0000	9.7
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.152	7.168	(0.687)	1797522	10.0000	9.6
19 1,1-Dichloroethene	96	7.206	7.221	(0.692)	762768	10.0000	9.5
20 Acetone	43	7.393	7.414	(0.710)	918414	10.0000	9.9
21 Carbon disulfide	76	7.596	7.612	(0.729)	2302729	10.0000	9.6
22 Isopropanol	45	7.671	7.687	(0.736)	658417	10.0000	9.9

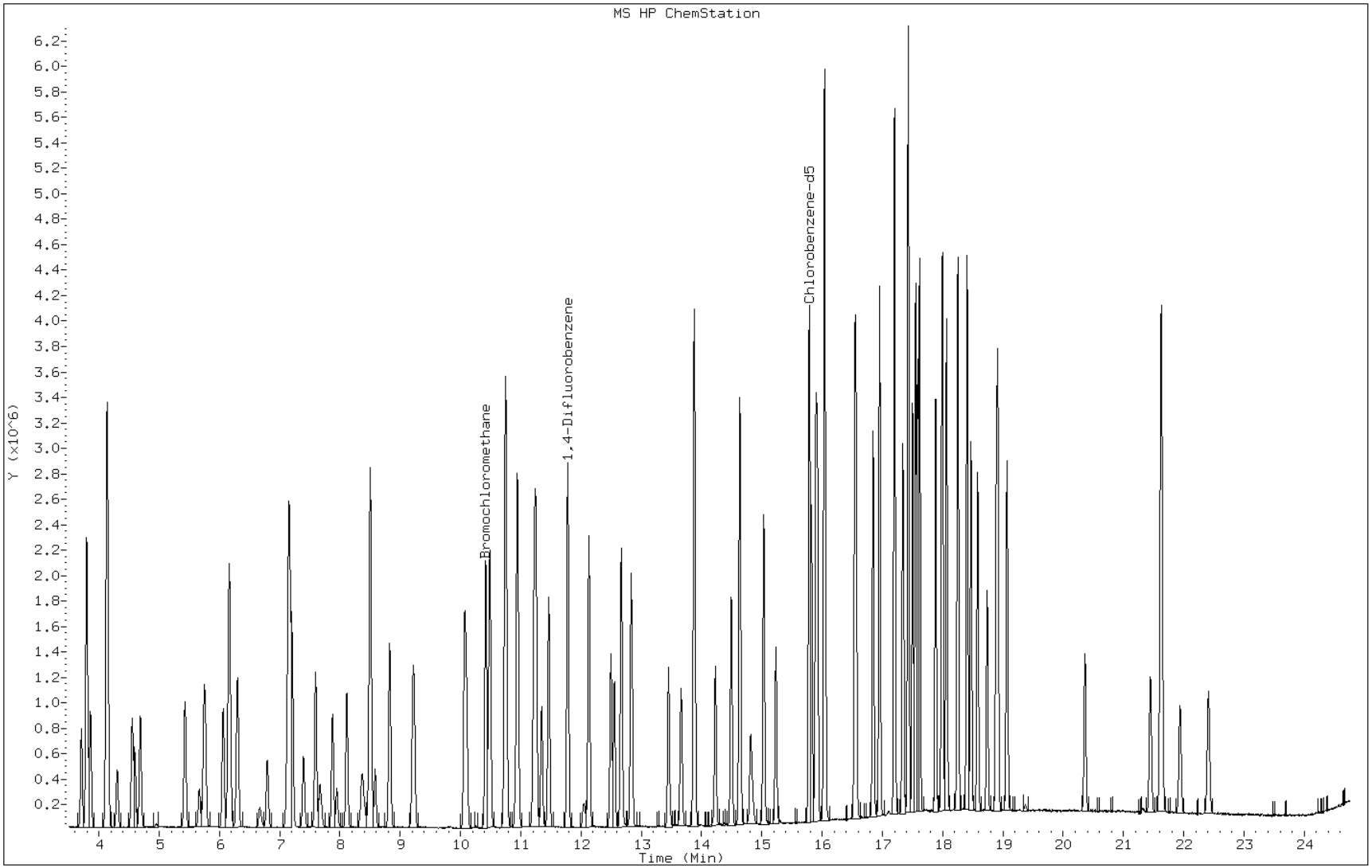
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.880	7.890	(0.757)	765519	10.0000	9.8
25	Methylene chloride	49	8.110	8.126	(0.779)	745433	10.0000	9.8
26	Tert-butyl alcohol	59	8.361	8.388	(0.803)	1097301	10.0000	9.9
27	Methyl tert-butyl ether	73	8.500	8.516	(0.816)	2104159	10.0000	10
28	1,2-Dichloroethene (trans)	61	8.500	8.516	(0.816)	1125883	10.0000	9.6
30	n-Hexane	57	8.826	8.837	(0.847)	959513	10.0000	9.7
31	1,1-Dichloroethane	63	9.206	9.222	(0.884)	1305974	10.0000	9.7
34	1,2-Dichloroethene (cis)	96	10.068	10.084	(0.967)	792612	10.0000	9.8
36	Methyl Ethyl Ketone	72	10.089	10.100	(0.969)	267126	10.0000	9.0(Q)
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	783771	10.0000	
38	Tetrahydrofuran	42	10.469	10.485	(0.889)	528172	10.0000	10
39	Chloroform	83	10.485	10.501	(1.007)	1709861	10.0000	9.7
40	Cyclohexane	84	10.758	10.774	(0.913)	934075	10.0000	9.1
41	1,1,1-Trichloroethane	97	10.747	10.758	(0.912)	2198359	10.0000	9.4
42	Carbon tetrachloride	117	10.940	10.956	(0.929)	2482370	10.0000	9.3
43	2,2,4-Trimethylpentane	57	11.223	11.239	(0.953)	2957574	10.0000	9.2
44	Benzene	78	11.255	11.271	(0.955)	1893026	10.0000	9.2
45	1,2-Dichloroethane	62	11.346	11.362	(0.963)	1016834	10.0000	9.5
46	n-Heptane	43	11.464	11.474	(0.973)	922384	10.0000	9.3
* 47	1,4-Difluorobenzene	114	11.780	11.790	(1.000)	3093858	10.0000	
49	Trichloroethene	95	12.133	12.143	(1.030)	930137	10.0000	9.1
50	1,2-Dichloropropane	63	12.496	12.512	(1.061)	618247	10.0000	9.4
51	Methyl methacrylate	69	12.555	12.566	(1.066)	538746	10.0000	9.6
53	1,4-Dioxane	88	12.668	12.678	(1.075)	238937	10.0000	8.9
54	Bromodichloromethane	83	12.833	12.849	(1.089)	1637821	10.0000	9.4
55	1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	908924	10.0000	9.4
56	Methyl isobutyl ketone	43	13.657	13.673	(1.159)	1010360	10.0000	9.9
58	Toluene	92	13.882	13.898	(0.879)	1247977	10.0000	9.3
59	1,3-Dichloropropene (trans)	75	14.230	14.240	(1.208)	925804	10.0000	9.5
60	1,1,2-Trichloroethane	83	14.492	14.508	(0.918)	615147	10.0000	9.2
61	Tetrachloroethene	166	14.636	14.647	(0.927)	1379155	10.0000	9.1
63	Dibromochloromethane	129	15.032	15.043	(0.952)	1695172	10.0000	9.2
64	1,2-Dibromoethane	107	15.235	15.246	(0.965)	1164530	10.0000	9.2
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2858643	10.0000	
66	Chlorobenzene	112	15.824	15.834	(1.002)	1605020	10.0000	9.1
68	Ethylbenzene	91	15.899	15.909	(1.007)	2698785	10.0000	9.6
69	Xylene (m,p)	106	16.043	16.054	(1.016)	2159186	20.0000	19
71	Xylene (o)	106	16.546	16.557	(1.048)	1106742	10.0000	9.3
72	Styrene	104	16.567	16.578	(1.049)	1481052	10.0000	9.8
73	Bromoform	173	16.846	16.856	(1.067)	1688898	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	17.343	17.354	(1.099)	1583124	10.0000	9.2
79	4-Ethyltoluene	105	17.552	17.562	(1.112)	2996213	10.0000	9.8
80	2-Chlorotoluene	91	17.584	17.595	(1.114)	2853986	10.0000	9.2
81	1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	2719697	10.0000	9.6
84	1,2,4-Trimethylbenzene	105	18.060	18.071	(1.144)	2609196	10.0000	9.7
87	1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	1550918	10.0000	9.2
88	1,4-Dichlorobenzene	146	18.584	18.595	(1.177)	1406707	10.0000	9.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	1573584	10.0000	9.2
94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	591262	10.0000	8.2
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	1502636	10.0000	9.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh002.d	Date:	13-MAR-2012 10:50
Client ID:	ccvis 302593	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302593		
Lab Sample ID:	ccvis 302593		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-34961/23 Calibration Date: 03/14/2012 04:17

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh023.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	4.103	4.008		9.77	10.0	-2.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.016	3.725		9.27	10.0	-7.2	30.0
Chloromethane	Ave	0.9760	0.8700		8.91	10.0	-10.9	30.0
Vinyl chloride	Ave	1.162	1.056		9.09	10.0	-9.1	30.0
1,3-Butadiene	Ave	0.7780	0.7096		9.12	10.0	-8.8	30.0
Bromomethane	Ave	1.262	1.162		9.20	10.0	-8.0	30.0
Chloroethane	Ave	0.5062	0.4590		9.07	10.0	-9.3	30.0
Vinyl bromide	Ave	1.246	1.161		9.32	10.0	-6.8	30.0
Trichlorofluoromethane	Ave	3.858	3.711		9.62	10.0	-3.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.379	2.259		9.50	10.0	-5.0	30.0
1,1-Dichloroethene	Ave	1.026	0.9577		9.33	10.0	-6.7	30.0
Acetone	Ave	1.188	1.105		9.30	10.0	-7.0	30.0
Carbon disulfide	Ave	3.051	2.893		9.48	10.0	-5.2	30.0
Isopropanol	Ave	0.8470	0.8311		9.81	10.0	-1.9	30.0
Allyl chloride	Ave	0.996	0.9240		9.27	10.0	-7.2	30.0
Methylene Chloride	Ave	0.9700	0.9508		9.80	10.0	-2.0	30.0
tert-Butyl alcohol	Ave	1.407	1.381		9.81	10.0	-1.9	30.0
1,2-Dichloroethene, trans-	Ave	1.498	1.415		9.44	10.0	-5.5	30.0
Methyl tert-butyl ether	Ave	2.628	2.528		9.62	10.0	-3.8	30.0
n-Hexane	Ave	1.262	1.191		9.43	10.0	-5.6	30.0
1,1-Dichloroethane	Ave	1.722	1.592		9.25	10.0	-7.5	30.0
1,2-Dichloroethene, cis-	Ave	1.028	0.9356		9.10	10.0	-9.0	30.0
Methyl Ethyl Ketone	Ave	0.3803	0.3104		8.16	10.0	-18.4	30.0
Tetrahydrofuran	Ave	0.1627	0.1718		10.6	10.0	5.6	30.0
Chloroform	Ave	2.246	2.083		9.27	10.0	-7.3	30.0
1,1,1-Trichloroethane	Ave	0.7585	0.7555		9.96	10.0	-0.4	30.0
Cyclohexane	Ave	0.3316	0.3255		9.81	10.0	-1.8	30.0
Carbon tetrachloride	Ave	0.8628	0.8742		10.1	10.0	1.3	30.0
2,2,4-Trimethylpentane	Ave	1.045	1.006		9.63	10.0	-3.7	30.0
Benzene	Ave	0.6631	0.6135		9.25	10.0	-7.5	30.0
1,2-Dichloroethane	Ave	0.3453	0.3356		9.72	10.0	-2.8	30.0
n-Heptane	Ave	0.3216	0.3092		9.61	10.0	-3.9	30.0
Trichloroethene	Ave	0.3310	0.3002		9.07	10.0	-9.3	30.0
1,2-Dichloropropane	Ave	0.2129	0.2010		9.44	10.0	-5.6	30.0
Methyl methacrylate	Ave	0.1807	0.1781		9.85	10.0	-1.4	30.0
1,4-Dioxane	Ave	0.0868	0.0855		9.85	10.0	-1.5	30.0
Bromodichloromethane	Ave	0.5633	0.5441		9.66	10.0	-3.4	30.0
1,3-Dichloropropene, cis-	Ave	0.3118	0.3083		9.89	10.0	-1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Lab Sample ID: CCVC 200-34961/23 Calibration Date: 03/14/2012 04:17

Instrument ID: G.i Calib Start Date: 03/02/2012 16:43

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/02/2012 22:27

Lab File ID: gghh023.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302593

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3288	0.3483		10.6	10.0	5.9	30.0
Toluene	Ave	0.4697	0.4614		9.82	10.0	-1.8	30.0
1,3-Dichloropropene, trans-	Ave	0.3160	0.3224		10.2	10.0	2.0	30.0
1,1,2-Trichloroethane	Ave	0.2338	0.2395		10.2	10.0	2.4	30.0
Tetrachloroethene	Ave	0.5317	0.5149		9.68	10.0	-3.2	30.0
Dibromochloromethane	Ave	0.6439	0.6593		10.2	10.0	2.4	30.0
1,2-Dibromoethane	Ave	0.4448	0.4545		10.2	10.0	2.2	30.0
Chlorobenzene	Ave	0.6178	0.6209		10.0	10.0	0.5	30.0
Ethylbenzene	Ave	0.9868	1.048		10.6	10.0	6.2	30.0
m-Xylene & p-Xylene	Ave	0.3906	0.4120		21.1	20.0	5.5	30.0
o-Xylene	Ave	0.4156	0.4143		9.97	10.0	-0.3	30.0
Styrene	Ave	0.5284	0.5737		10.9	10.0	8.6	30.0
Bromoform	Ave	0.6292	0.6688		10.6	10.0	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6000	0.6172		10.3	10.0	2.9	30.0
4-Ethyltoluene	Ave	1.065	1.169		11.0	10.0	9.7	30.0
2-Chlorotoluene	Ave	1.080	1.129		10.5	10.0	4.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9905	1.049		10.6	10.0	6.0	30.0
1,2,4-Trimethylbenzene	Ave	0.9399	1.016		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.5916	0.6296		10.6	10.0	6.4	30.0
1,4-Dichlorobenzene	Ave	0.5482	0.5808		10.6	10.0	5.9	30.0
1,2-Dichlorobenzene	Ave	0.5989	0.6332		10.6	10.0	5.7	30.0
1,2,4-Trichlorobenzene	Ave	0.2529	0.2704		10.7	10.0	6.9	30.0
Hexachlorobutadiene	Ave	0.5660	0.6023		10.6	10.0	6.4	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh023.d
Lab Smp Id: ccvc 302593 Client Smp ID: ccvc 302593
Inj Date : 14-MAR-2012 04:17
Operator : pad Inst ID: G.i
Smp Info : ccvc 302593
Misc Info : 200,1, ccvc
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 09:07 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	3.798	3.808	(0.364)	2817951	10.0000	9.8
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	2619001	10.0000	9.3
5 Chloromethane	50	4.306	4.311	(0.413)	611691	10.0000	8.9
7 Vinyl chloride	62	4.595	4.605	(0.441)	742726	10.0000	9.1
8 1,3-Butadiene	54	4.686	4.696	(0.450)	498912	10.0000	9.1
9 Bromomethane	94	5.429	5.440	(0.521)	816701	10.0000	9.2
10 Chloroethane	64	5.670	5.681	(0.544)	322749	10.0000	9.1
12 Vinyl bromide	106	6.066	6.071	(0.582)	816637	10.0000	9.3
13 Trichlorofluoromethane	101	6.162	6.173	(0.591)	2609143	10.0000	9.6
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.152	7.168	(0.686)	1588548	10.0000	9.5
19 1,1-Dichloroethene	96	7.205	7.221	(0.691)	673356	10.0000	9.3
20 Acetone	43	7.403	7.414	(0.710)	776976	10.0000	9.3
21 Carbon disulfide	76	7.596	7.612	(0.729)	2033961	10.0000	9.5
22 Isopropanol	45	7.681	7.687	(0.737)	584384	10.0000	9.8

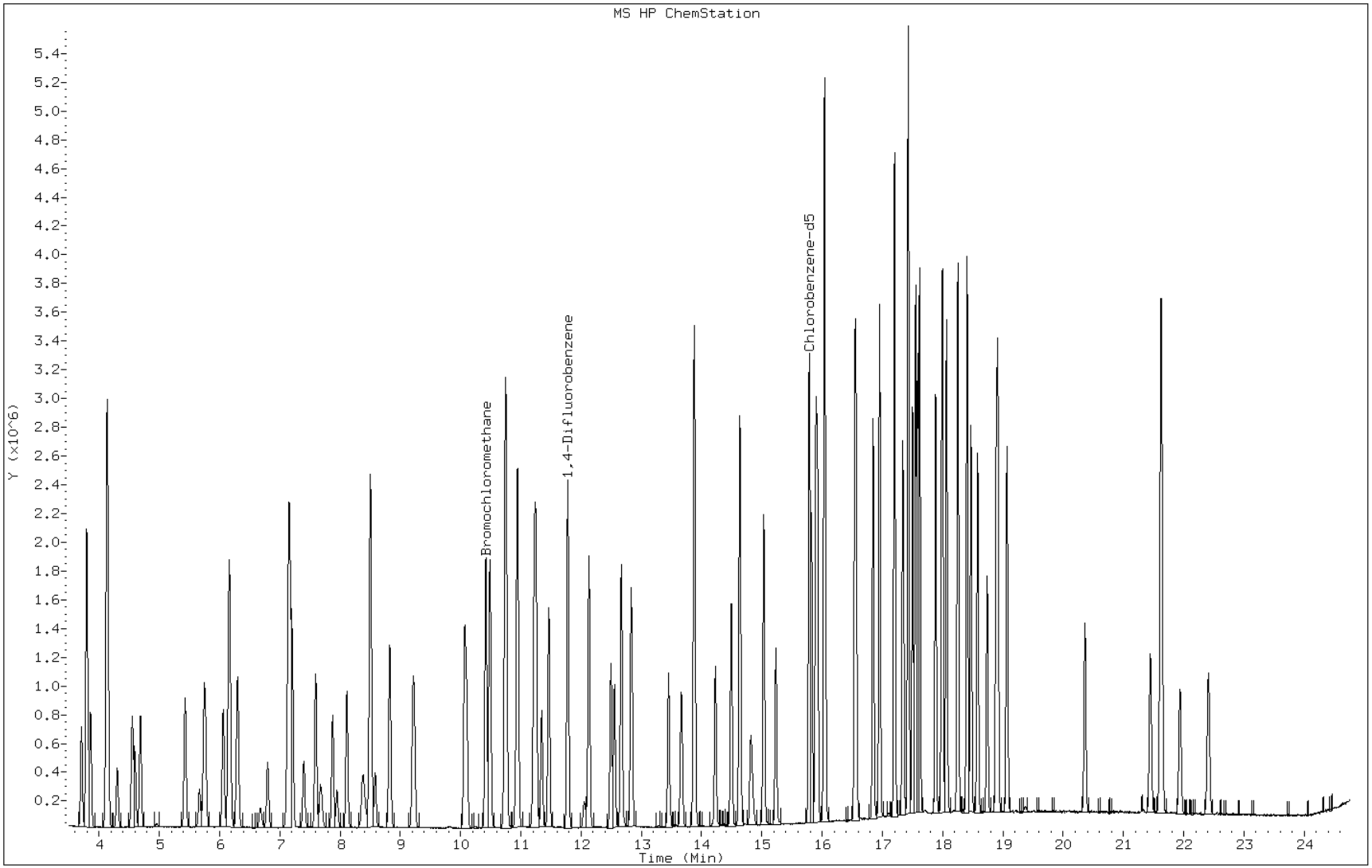
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	7.874	7.890	(0.756)	649716	10.0000	9.3
25	Methylene chloride	49	8.115	8.126	(0.779)	668510	10.0000	9.8
26	Tert-butyl alcohol	59	8.377	8.388	(0.804)	970849	10.0000	9.8
27	Methyl tert-butyl ether	73	8.505	8.516	(0.816)	1777695	10.0000	9.6
28	1,2-Dichloroethene (trans)	61	8.505	8.516	(0.816)	995214	10.0000	9.4
30	n-Hexane	57	8.826	8.837	(0.847)	837158	10.0000	9.4
31	1,1-Dichloroethane	63	9.211	9.222	(0.884)	1119462	10.0000	9.2
34	1,2-Dichloroethene (cis)	96	10.067	10.084	(0.966)	657818	10.0000	9.1
36	Methyl Ethyl Ketone	72	10.089	10.100	(0.968)	218215	10.0000	8.2(Q)
* 37	Bromochloromethane	128	10.420	10.431	(1.000)	703273	10.0000	
38	Tetrahydrofuran	42	10.479	10.485	(0.890)	438087	10.0000	11
39	Chloroform	83	10.490	10.501	(1.007)	1464290	10.0000	9.3
40	Cyclohexane	84	10.758	10.774	(0.913)	829894	10.0000	9.8
41	1,1,1-Trichloroethane	97	10.747	10.758	(0.912)	1926296	10.0000	10
42	Carbon tetrachloride	117	10.939	10.956	(0.929)	2229178	10.0000	10
43	2,2,4-Trimethylpentane	57	11.228	11.239	(0.953)	2565462	10.0000	9.6
44	Benzene	78	11.255	11.271	(0.955)	1564213	10.0000	9.2
45	1,2-Dichloroethane	62	11.346	11.362	(0.963)	855667	10.0000	9.7
46	n-Heptane	43	11.469	11.474	(0.974)	788281	10.0000	9.6
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2550366	10.0000	
49	Trichloroethene	95	12.132	12.143	(1.030)	765345	10.0000	9.1
50	1,2-Dichloropropane	63	12.496	12.512	(1.061)	512569	10.0000	9.4
51	Methyl methacrylate	69	12.555	12.566	(1.066)	454079	10.0000	9.9
53	1,4-Dioxane	88	12.667	12.678	(1.075)	217907	10.0000	9.8
54	Bromodichloromethane	83	12.833	12.849	(1.089)	1387481	10.0000	9.7
55	1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	786147	10.0000	9.9
56	Methyl isobutyl ketone	43	13.662	13.673	(1.160)	888057	10.0000	11
58	Toluene	92	13.882	13.898	(0.879)	1040759	10.0000	9.8
59	1,3-Dichloropropene (trans)	75	14.229	14.240	(1.208)	822177	10.0000	10
60	1,1,2-Trichloroethane	83	14.497	14.508	(0.918)	540344	10.0000	10
61	Tetrachloroethene	166	14.636	14.647	(0.927)	1161466	10.0000	9.7
63	Dibromochloromethane	129	15.032	15.043	(0.952)	1487324	10.0000	10
64	1,2-Dibromoethane	107	15.235	15.246	(0.965)	1025275	10.0000	10
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2256198	10.0000	
66	Chlorobenzene	112	15.824	15.834	(1.002)	1400565	10.0000	10
68	Ethylbenzene	91	15.899	15.909	(1.007)	2362985	10.0000	11
69	Xylene (m,p)	106	16.043	16.054	(1.016)	1858723	20.0000	21
71	Xylene (o)	106	16.546	16.557	(1.048)	934583	10.0000	10
72	Styrene	104	16.567	16.578	(1.049)	1294049	10.0000	11
73	Bromoform	173	16.845	16.856	(1.067)	1508547	10.0000	11
75	1,1,2,2-Tetrachloroethane	83	17.343	17.354	(1.099)	1392156	10.0000	10
79	4-Ethyltoluene	105	17.552	17.562	(1.112)	2636941	10.0000	11
80	2-Chlorotoluene	91	17.584	17.595	(1.114)	2547835	10.0000	10
81	1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	2367252	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.060	18.071	(1.144)	2290876	10.0000	11
87	1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	1420328	10.0000	11
88	1,4-Dichlorobenzene	146	18.584	18.595	(1.177)	1310186	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	1428320	10.0000	11
94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	609971	10.0000	11
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	1358542	10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	gghh023.d	Date:	14-MAR-2012 04:17
Client ID:	ccvc 302593	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 302593		
Lab Sample ID:	ccvc 302593		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqnj.b/ckq001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 24-FEB-2012 08:22
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqnj.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

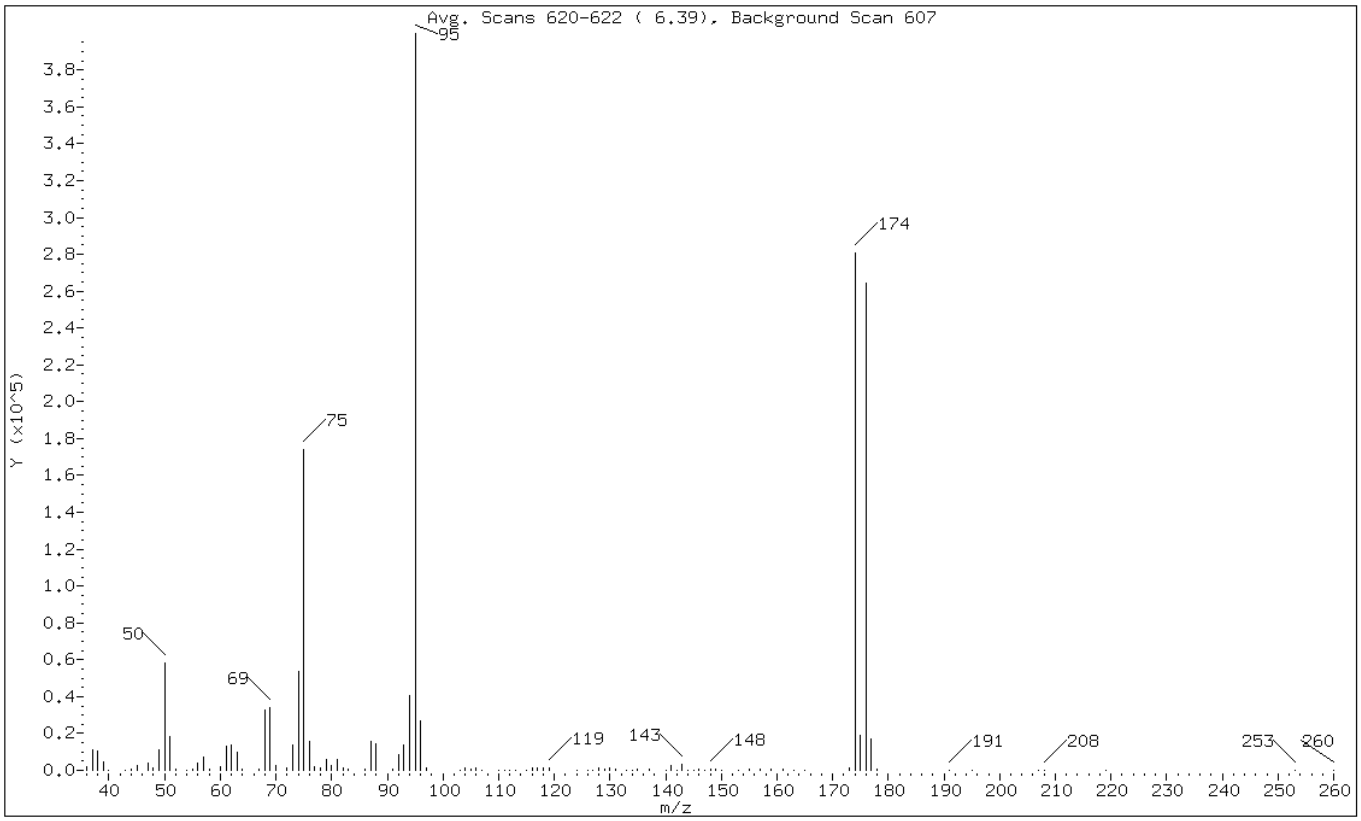
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.394	6.760	-0.366	95	399829			100.00- 100.00	100.00
6.394	6.760	-0.366	50	58525			8.00- 40.00	14.64
6.394	6.760	-0.366	75	174345			30.00- 66.00	43.60
6.394	6.760	-0.366	96	26784			5.00- 9.00	6.70
6.394	6.760	-0.366	173	1210			0.00- 2.00	0.43
6.394	6.760	-0.366	174	280469			50.00- 120.00	70.15
6.394	6.760	-0.366	175	19000			4.00- 9.00	6.77
6.394	6.760	-0.366	176	264256			93.00- 101.00	94.22
6.394	6.760	-0.366	177	17255			5.00- 9.00	6.53

Data File: ckq001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 24-FEB-2012 08:22
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.64
75	30.00 - 66.00% of mass 95	43.60
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.30 (0.43)
174	50.00 - 120.00% of mass 95	70.15
175	4.00 - 9.00% of mass 174	4.75 (6.77)
176	93.00 - 101.00% of mass 174	66.09 (94.22)
177	5.00 - 9.00% of mass 176	4.32 (6.53)

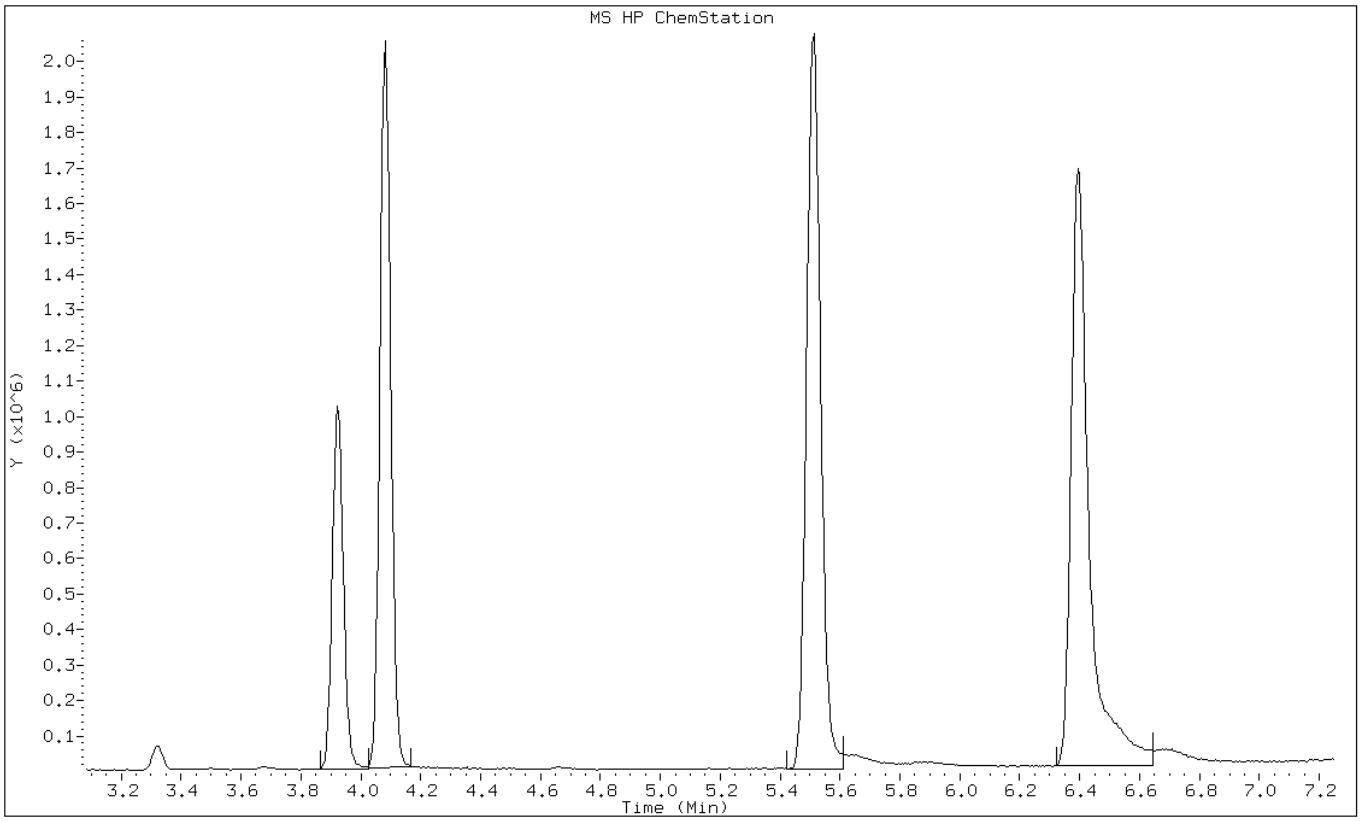
Data File: ckq001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 24-FEB-2012 08:22
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqnj.b/ckq001.d
Spectrum: Avg. Scans 620-622 (6.39), Background Scan 607
Location of Maximum: 95.00
Number of points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1973	70.00	2792	107.00	319	146.00	512
37.00	11169	72.00	1481	110.00	71	147.00	129
38.00	10261	73.00	13929	111.00	159	148.00	914
39.00	4558	74.00	53520	112.00	157	149.00	352
40.00	241	75.00	174336	113.00	167	150.00	313
43.00	79	76.00	15508	115.00	113	153.00	242
44.00	958	77.00	2206	116.00	1068	155.00	840
45.00	2495	78.00	1150	117.00	1357	157.00	647
47.00	4110	79.00	5730	118.00	1097	159.00	394
48.00	1172	80.00	2354	119.00	1421	161.00	422
49.00	10810	81.00	6171	124.00	161	163.00	27
50.00	58520	82.00	1517	126.00	90	165.00	149
51.00	18080	83.00	359	127.00	200	173.00	1210
52.00	933	86.00	357	128.00	1069	174.00	280448
54.00	196	87.00	15783	129.00	589	175.00	19000
55.00	720	88.00	14645	130.00	1013	176.00	264256
56.00	3601	91.00	749	131.00	488	177.00	17248
57.00	7318	92.00	8620	133.00	101	178.00	471
58.00	338	93.00	13734	134.00	159	191.00	162
60.00	2177	94.00	40288	135.00	403	195.00	67
61.00	12859	95.00	399808	137.00	524	207.00	24
62.00	13416	96.00	26784	140.00	77	208.00	142
63.00	9986	97.00	1003	141.00	2598	219.00	90
64.00	892	103.00	104	142.00	277	253.00	222
67.00	872	104.00	1137	143.00	3062	260.00	98
68.00	32792	105.00	552	144.00	69		
69.00	33792	106.00	1091	145.00	239		

Data File:	ckq001.d	Date:	24-FEB-2012 08:22
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 20-MAR-2012 12:13
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

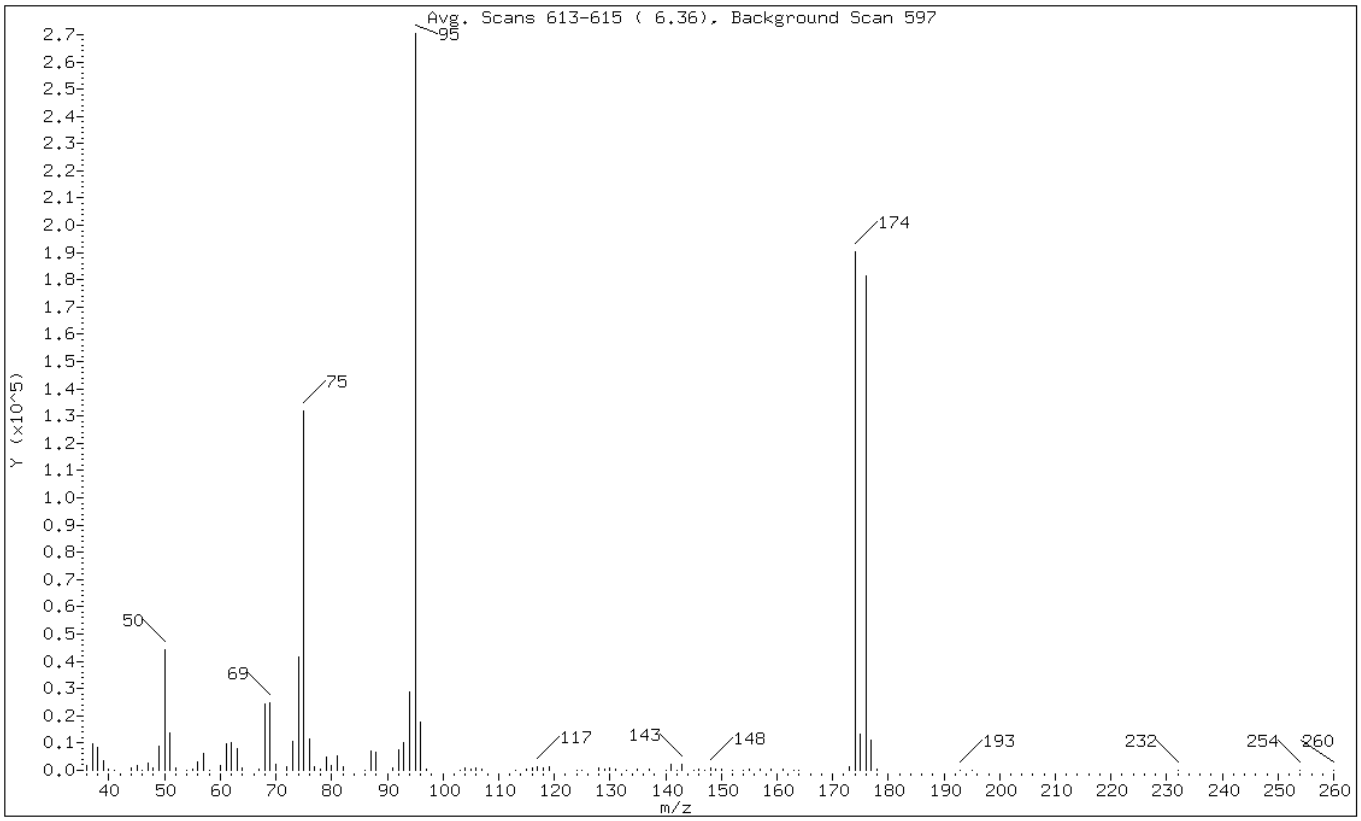
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.356	6.760	-0.404	95	270400			100.00- 100.00	100.00
6.356	6.760	-0.404	50	44296			8.00- 40.00	16.38
6.356	6.760	-0.404	75	131965			30.00- 66.00	48.80
6.356	6.760	-0.404	96	17883			5.00- 9.00	6.61
6.356	6.760	-0.404	173	1121			0.00- 2.00	0.59
6.356	6.760	-0.404	174	190144			50.00- 120.00	70.32
6.356	6.760	-0.404	175	13481			4.00- 9.00	7.09
6.356	6.760	-0.404	176	181290			93.00- 101.00	95.34
6.356	6.760	-0.404	177	11158			5.00- 9.00	6.15

Data File: ckqr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 20-MAR-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	16.38
75	30.00 - 66.00% of mass 95	48.80
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.41 (0.59)
174	50.00 - 120.00% of mass 95	70.32
175	4.00 - 9.00% of mass 174	4.99 (7.09)
176	93.00 - 101.00% of mass 174	67.05 (95.34)
177	5.00 - 9.00% of mass 176	4.13 (6.15)

Data File: ckqr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

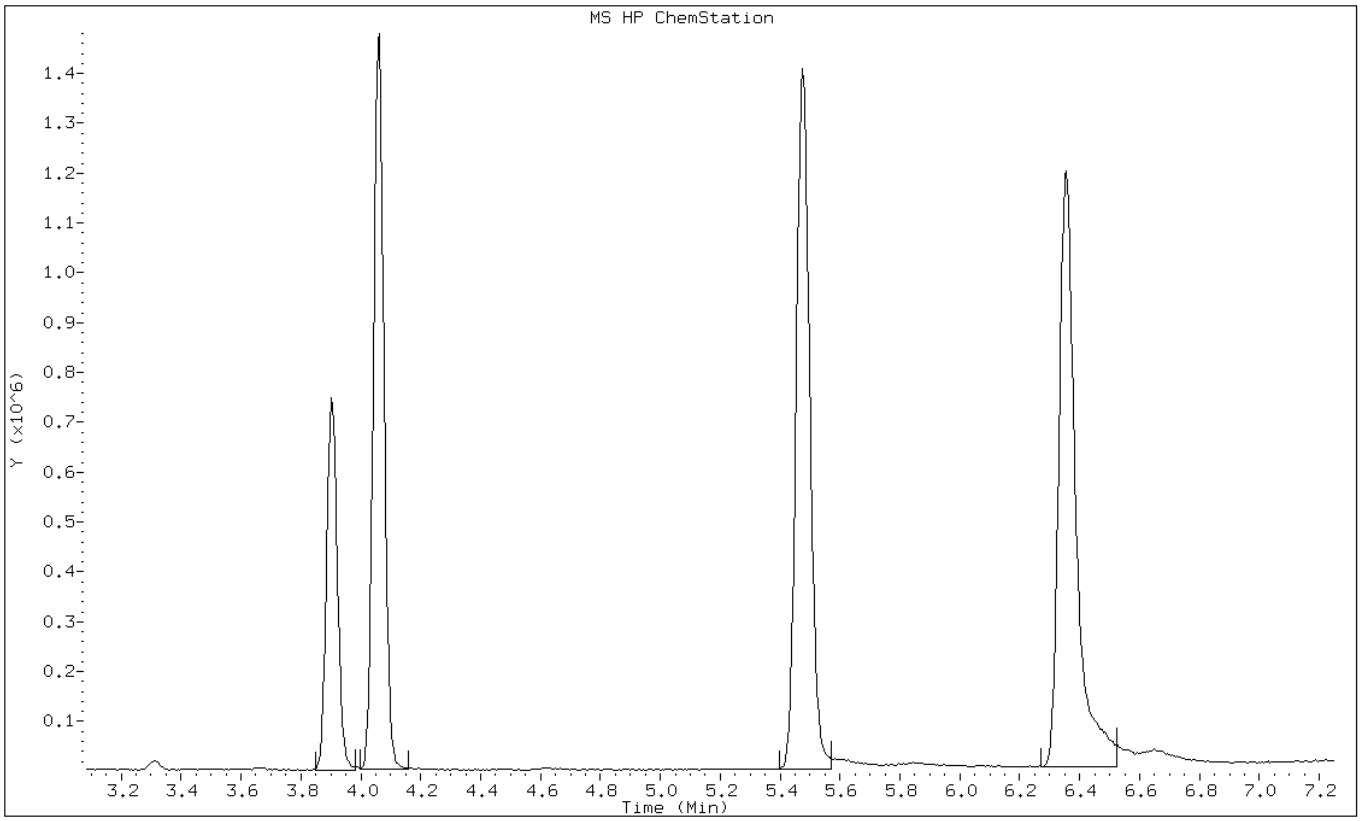
Date: 20-MAR-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqrto15.b/ckqr001.d
Spectrum: Avg. Scans 613-615 (6.36), Background Scan 597
Location of Maximum: 95.00
Number of points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1577	67.00	643	103.00	87	146.00	233
37.00	9612	68.00	24432	104.00	976	147.00	36
38.00	8256	69.00	24688	105.00	332	148.00	678
39.00	3429	70.00	2016	106.00	931	149.00	268
40.00	339	72.00	1274	107.00	254	150.00	263
41.00	103	73.00	10441	113.00	173	152.00	74
44.00	834	74.00	41552	115.00	319	154.00	98
45.00	1824	75.00	131904	116.00	868	155.00	642
46.00	82	76.00	11348	117.00	1357	157.00	402
47.00	2580	77.00	1251	118.00	839	159.00	490
48.00	1088	78.00	616	119.00	1307	161.00	346
49.00	8728	79.00	4997	124.00	78	163.00	24
50.00	44296	80.00	1706	125.00	66	164.00	68
51.00	13826	81.00	5426	128.00	1001	173.00	1121
52.00	722	82.00	1140	129.00	470	174.00	190144
54.00	84	86.00	200	130.00	923	175.00	13481
55.00	480	87.00	7176	131.00	455	176.00	181248
56.00	3234	88.00	6578	133.00	201	177.00	11158
57.00	6070	91.00	845	135.00	405	178.00	422
58.00	164	92.00	7490	137.00	420	193.00	125
60.00	1736	93.00	10381	140.00	67	195.00	73
61.00	9931	94.00	28856	141.00	2274	232.00	161
62.00	10338	95.00	270400	142.00	116	254.00	171
63.00	8053	96.00	17880	143.00	2311	260.00	135
64.00	684	97.00	591	145.00	218		

Data File: ckqr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 20-MAR-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 27-MAR-2012 10:36
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

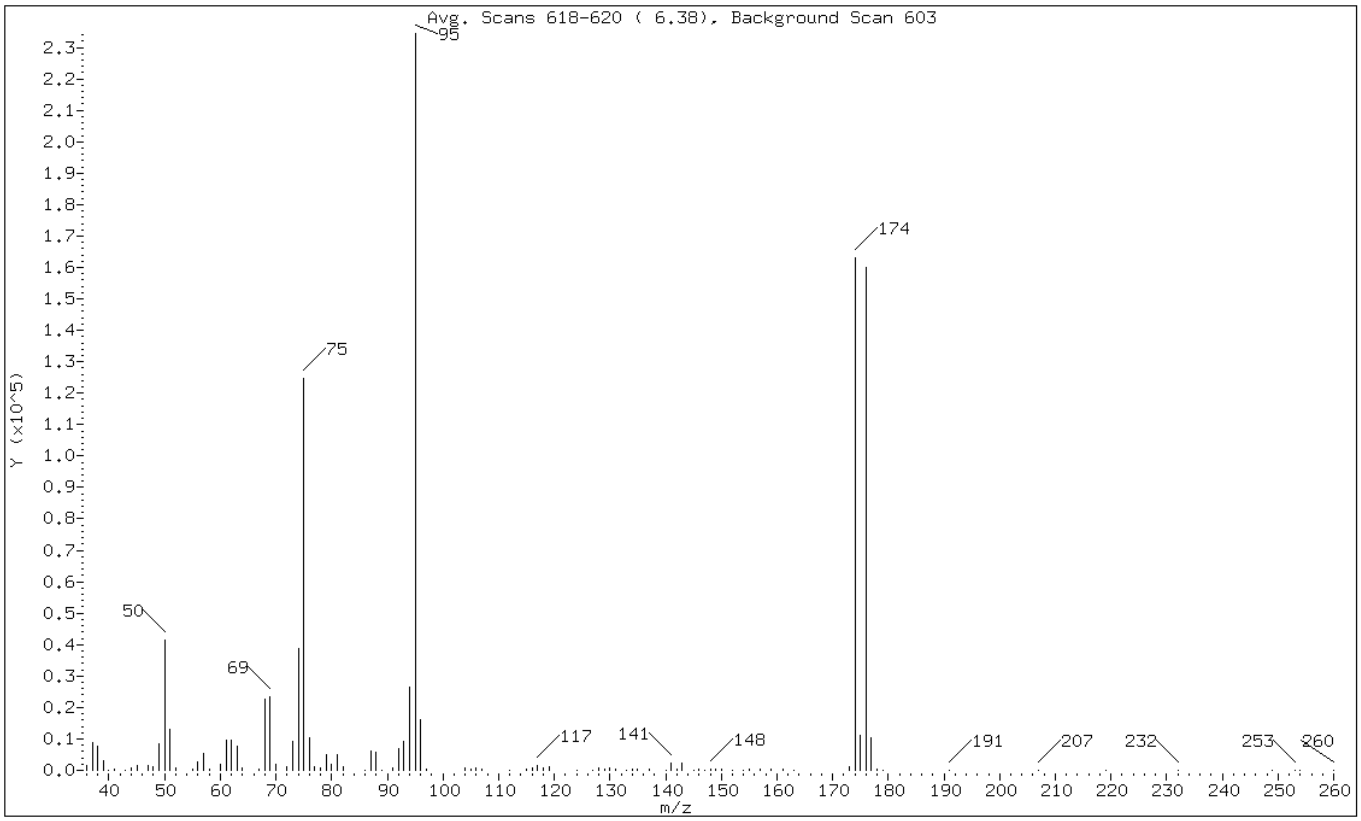
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.383	6.760	-0.377	95	234453			100.00- 100.00	100.00
6.383	6.760	-0.377	50	41410			8.00- 40.00	17.66
6.383	6.760	-0.377	75	124685			30.00- 66.00	53.18
6.383	6.760	-0.377	96	16000			5.00- 9.00	6.82
6.383	6.760	-0.377	173	1069			0.00- 2.00	0.66
6.383	6.760	-0.377	174	162944			50.00- 120.00	69.50
6.383	6.760	-0.377	175	11266			4.00- 9.00	6.91
6.383	6.760	-0.377	176	159872			93.00- 101.00	98.11
6.383	6.760	-0.377	177	10434			5.00- 9.00	6.53

Data File: ckqw001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 27-MAR-2012 10:36
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	17.66
75	30.00 - 66.00% of mass 95	53.18
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.46 (0.66)
174	50.00 - 120.00% of mass 95	69.50
175	4.00 - 9.00% of mass 174	4.81 (6.91)
176	93.00 - 101.00% of mass 174	68.19 (98.11)
177	5.00 - 9.00% of mass 176	4.45 (6.53)

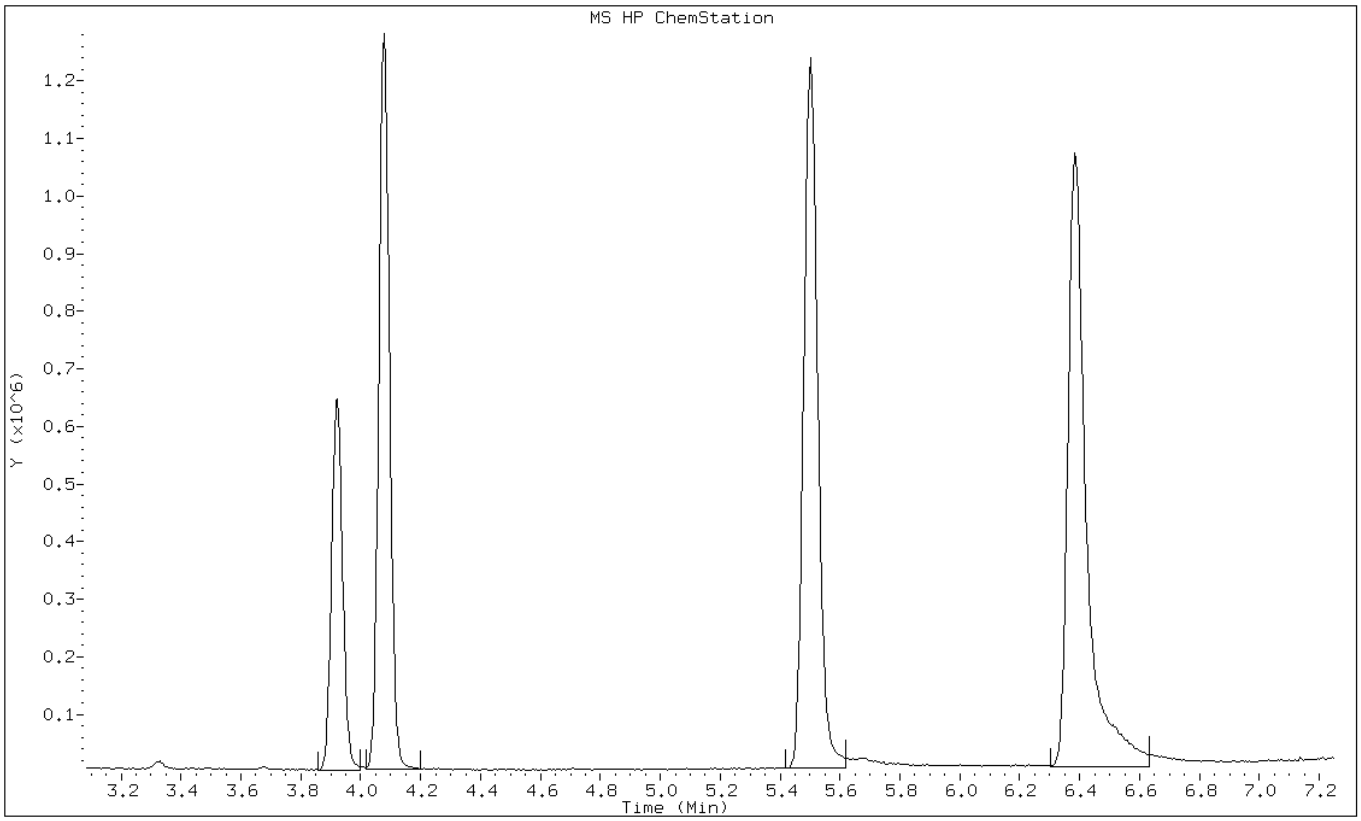
Data File: ckqw001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 27-MAR-2012 10:36
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckqwto15.b/ckqw001.d
Spectrum: Avg. Scans 618-620 (6.38), Background Scan 603
Location of Maximum: 95.00
Number of points: 102

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1393	69.00	23392	106.00	869	149.00	248
37.00	8853	70.00	1776	107.00	218	150.00	290
38.00	7808	72.00	1144	112.00	66	152.00	82
39.00	3044	73.00	9377	115.00	335	154.00	73
40.00	118	74.00	38608	116.00	790	155.00	456
41.00	227	75.00	124680	117.00	1392	157.00	505
43.00	85	76.00	10517	118.00	748	159.00	375
44.00	888	77.00	1093	119.00	1055	161.00	315
45.00	1615	78.00	777	124.00	74	163.00	75
47.00	1653	79.00	4901	127.00	75	173.00	1069
48.00	970	80.00	2010	128.00	829	174.00	162944
49.00	8398	81.00	5140	129.00	439	175.00	11266
50.00	41408	82.00	1332	130.00	806	176.00	159872
51.00	12916	86.00	104	131.00	409	177.00	10434
52.00	683	87.00	6261	133.00	79	178.00	470
55.00	526	88.00	5606	134.00	244	179.00	80
56.00	2863	89.00	75	135.00	336	191.00	80
57.00	5497	91.00	656	137.00	393	207.00	153
58.00	317	92.00	6754	140.00	161	219.00	71
60.00	1773	93.00	9366	141.00	2324	232.00	6
61.00	9732	94.00	26600	142.00	253	249.00	73
62.00	9603	95.00	234432	143.00	2237	253.00	102
63.00	7591	96.00	16000	145.00	162	254.00	72
64.00	709	97.00	477	146.00	314	260.00	58
67.00	532	104.00	897	147.00	95		
68.00	22512	105.00	531	148.00	511		

Data File:	ckqw001.d	Date:	27-MAR-2012 10:36
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gghNJ.b/ggh001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-MAR-2012 14:16
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info : 200,1, bfb
Comment :
Method : /chem/G.i/Gsvr.p/gghNJ.b/bfbnj.m
Meth Date : 08-Aug-2011 11:22 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

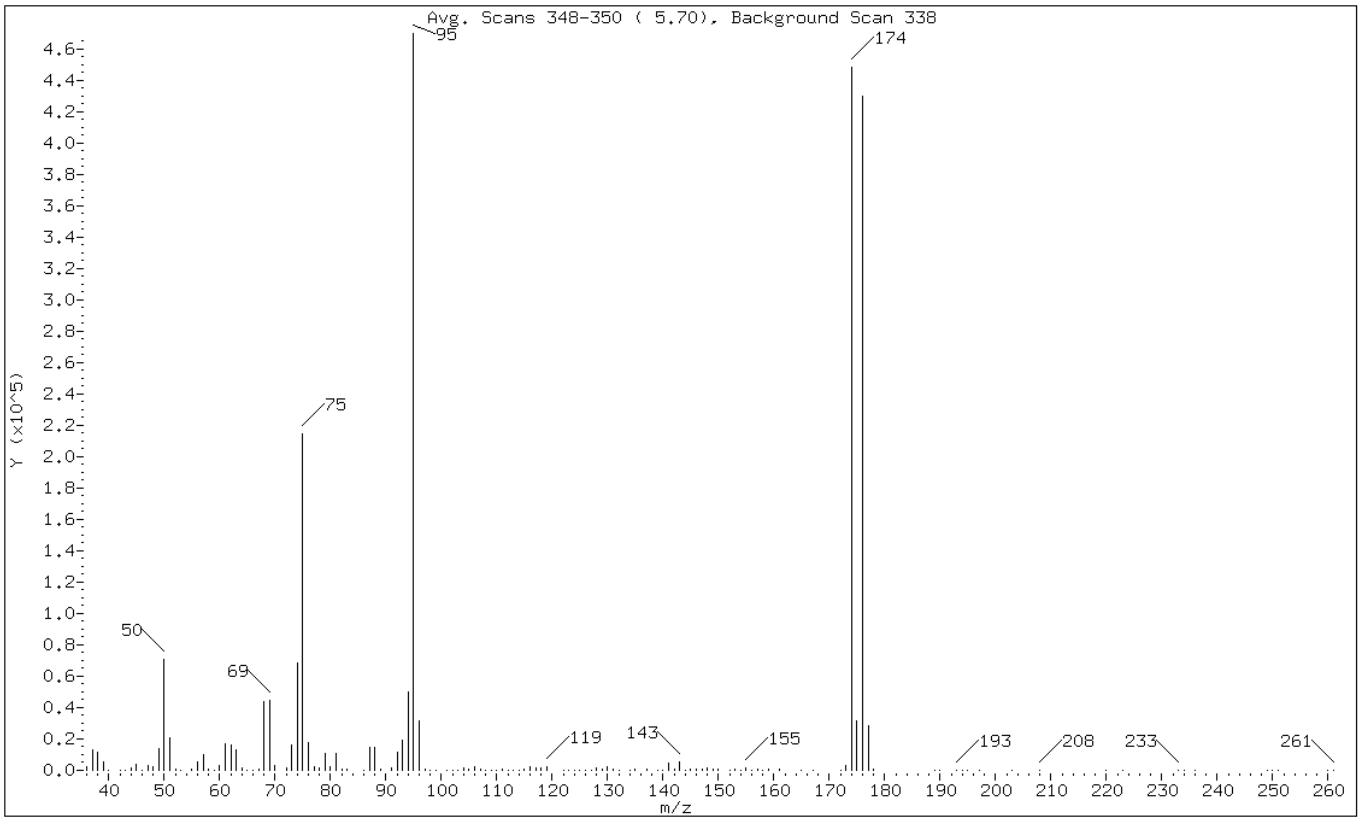
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb							CAS #: 460-00-4	
5.698	5.900	-0.202	95	469888			100.00- 100.00	100.00
5.698	5.900	-0.202	50	70987			8.00- 40.00	15.11
5.698	5.900	-0.202	75	214741			30.00- 66.00	45.70
5.698	5.900	-0.202	96	31879			5.00- 9.00	6.78
5.698	5.900	-0.202	173	2730			0.00- 2.00	0.61
5.698	5.900	-0.202	174	448704			50.00- 120.00	95.49
5.698	5.900	-0.202	175	31290			4.00- 9.00	6.97
5.698	5.900	-0.202	176	429674			93.00- 101.00	95.76
5.698	5.900	-0.202	177	28661			5.00- 9.00	6.67

Data File: ggh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 02-MAR-2012 14:16
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.11
75	30.00 - 66.00% of mass 95	45.70
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.58 (0.61)
174	50.00 - 120.00% of mass 95	95.49
175	4.00 - 9.00% of mass 174	6.66 (6.97)
176	93.00 - 101.00% of mass 174	91.44 (95.76)
177	5.00 - 9.00% of mass 176	6.10 (6.67)

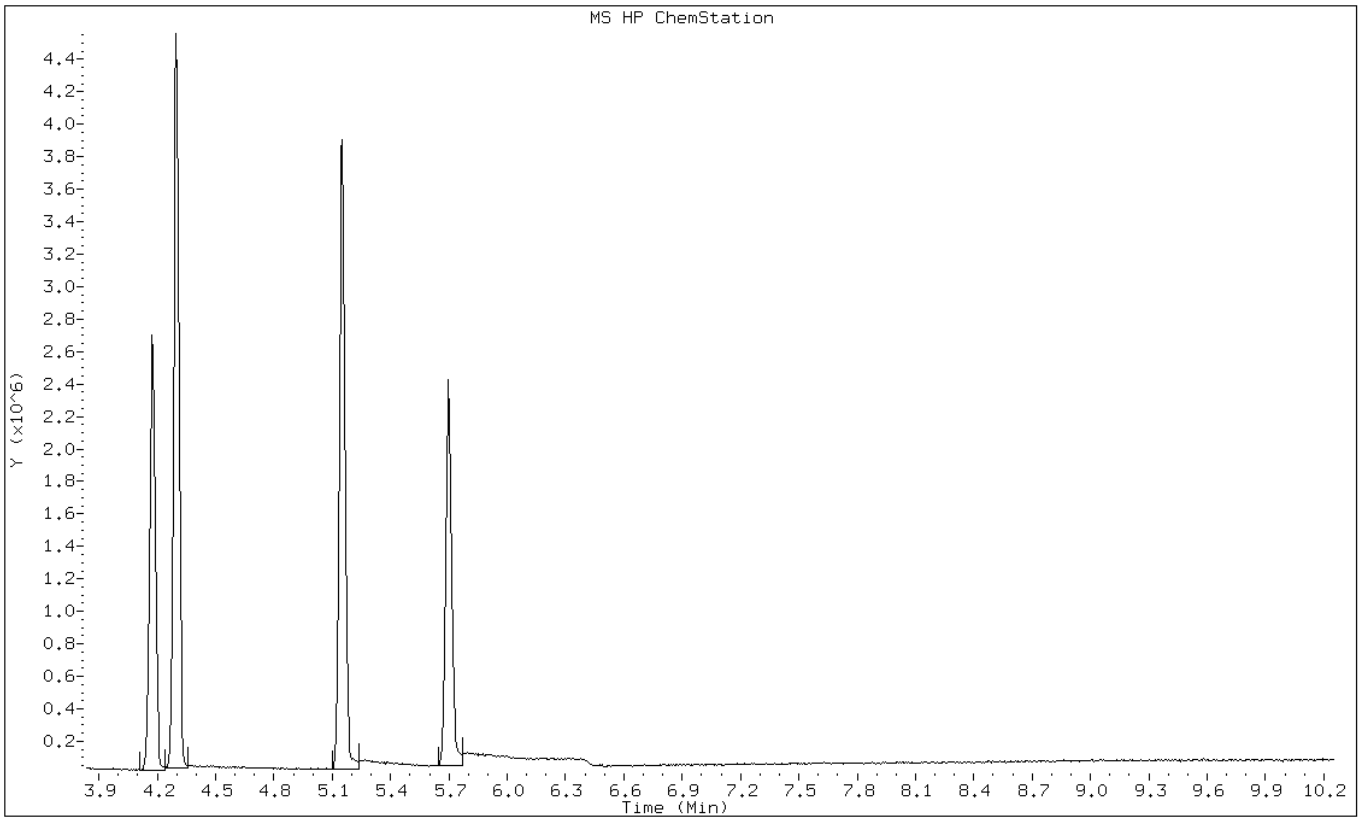
Data File: ggh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 02-MAR-2012 14:16
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gghNJ.b/ggh001.d
Spectrum: Avg. Scans 348-350 (5.70), Background Scan 338
Location of Maximum: 95.00
Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2212	74.00	68816	113.00	346	154.00	355
37.00	13268	75.00	214720	114.00	224	155.00	1154
38.00	11604	76.00	17552	115.00	781	156.00	103
39.00	5110	77.00	2282	116.00	1955	157.00	761
40.00	245	78.00	1487	117.00	1777	158.00	128
42.00	73	79.00	10801	118.00	1687	159.00	867
43.00	94	80.00	2634	119.00	2539	161.00	503
44.00	1274	81.00	10809	122.00	95	165.00	101
45.00	3750	82.00	432	123.00	90	167.00	102
46.00	372	83.00	664	124.00	180	172.00	319
47.00	3170	86.00	377	125.00	154	173.00	2730
48.00	2016	87.00	14955	126.00	219	174.00	448704
49.00	13775	88.00	14501	127.00	380	175.00	31288
50.00	70984	89.00	387	128.00	1873	176.00	429632
51.00	20672	91.00	1508	129.00	870	177.00	28656
52.00	1030	92.00	11773	130.00	2019	178.00	899
53.00	240	93.00	19472	131.00	819	189.00	72
55.00	781	94.00	50288	132.00	70	190.00	67
56.00	5721	95.00	469888	134.00	274	193.00	298
57.00	10126	96.00	31872	135.00	722	194.00	140
58.00	443	97.00	1111	137.00	930	195.00	116
59.00	94	98.00	74	139.00	341	197.00	75
60.00	3073	99.00	109	140.00	302	203.00	110
61.00	16784	101.00	147	141.00	4894	208.00	195
62.00	16016	102.00	89	142.00	632	220.00	72
63.00	13233	103.00	300	143.00	5063	223.00	69
64.00	1342	104.00	1716	144.00	366	233.00	84
65.00	203	105.00	913	145.00	494	234.00	71
66.00	87	106.00	2371	146.00	481	236.00	82
67.00	763	107.00	397	147.00	416	249.00	127
68.00	43520	108.00	78	148.00	1306	250.00	168
69.00	44456	109.00	178	149.00	407	251.00	150
70.00	3235	110.00	351	150.00	638	260.00	167
72.00	1821	111.00	508	152.00	205	261.00	202
73.00	16488	112.00	149	153.00	562		

Data File:	ggh001.d	Date:	02-MAR-2012 14:16
Client ID:	BFB	Instrument:	G.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-MAR-2012 10:00
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info : 200,1, bfb
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:22 jd1 Quant Type: ESTD
Cal Date : 23-JUL-2003 17:23 Cal File: ai0005i4.d
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

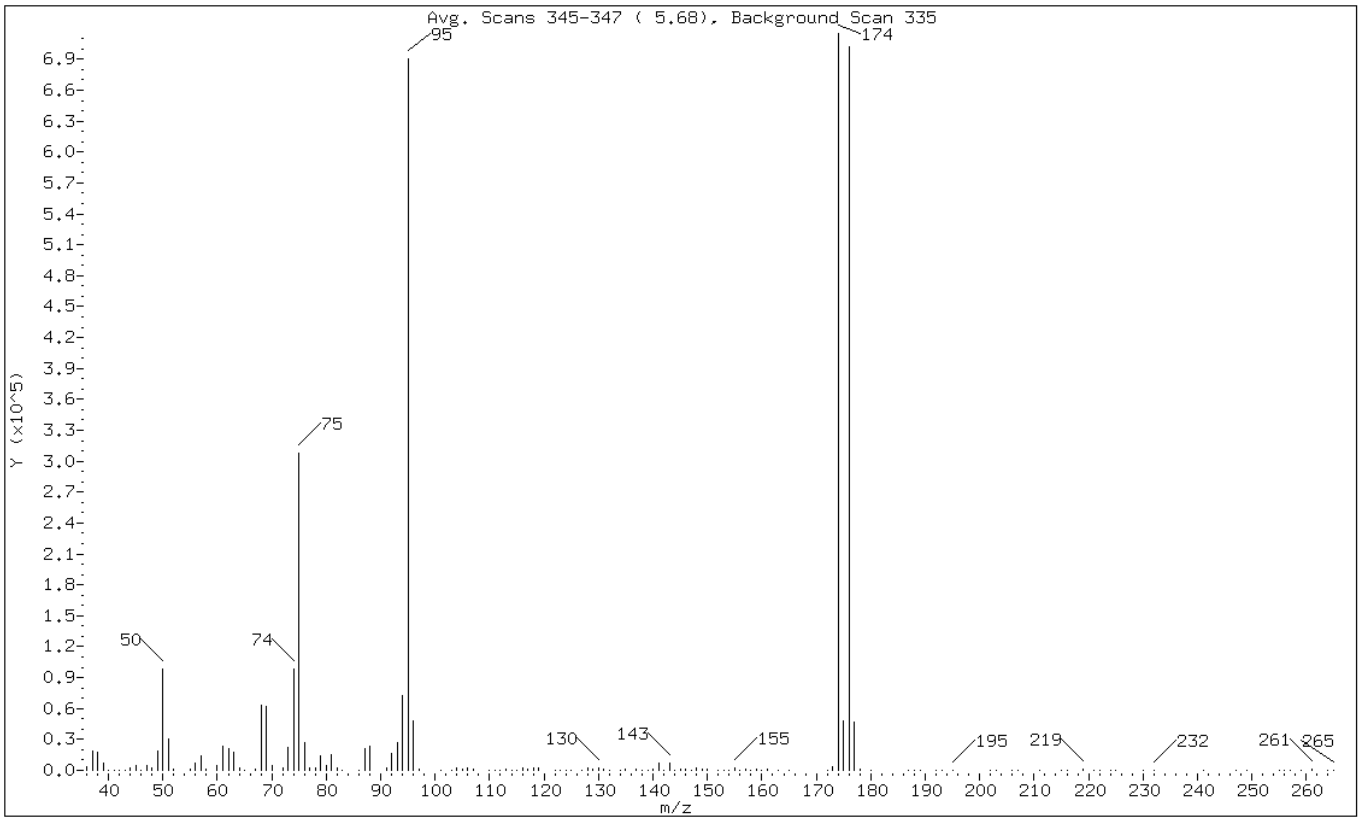
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
5.682	5.900	-0.218	95	690026			100.00- 100.00	96.51
5.682	5.900	-0.218	50	98823			8.00- 40.00	14.32
5.682	5.900	-0.218	75	307507			30.00- 66.00	44.56
5.682	5.900	-0.218	96	47662			5.00- 9.00	6.91
5.682	5.900	-0.218	173	3497			0.00- 2.00	0.49
5.682	5.900	-0.218	174	714991			50.00- 120.00	103.62
5.682	5.900	-0.218	175	48560			4.00- 9.00	6.79
5.682	5.900	-0.218	176	702060			93.00- 101.00	98.19
5.682	5.900	-0.218	177	46549			5.00- 9.00	6.63

Data File: gghh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 13-MAR-2012 10:00
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.32
75	30.00 - 66.00% of mass 95	44.56
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.51 (0.49)
174	50.00 - 120.00% of mass 95	103.62
175	4.00 - 9.00% of mass 174	7.04 (6.79)
176	93.00 - 101.00% of mass 174	101.74 (98.19)
177	5.00 - 9.00% of mass 176	6.75 (6.63)

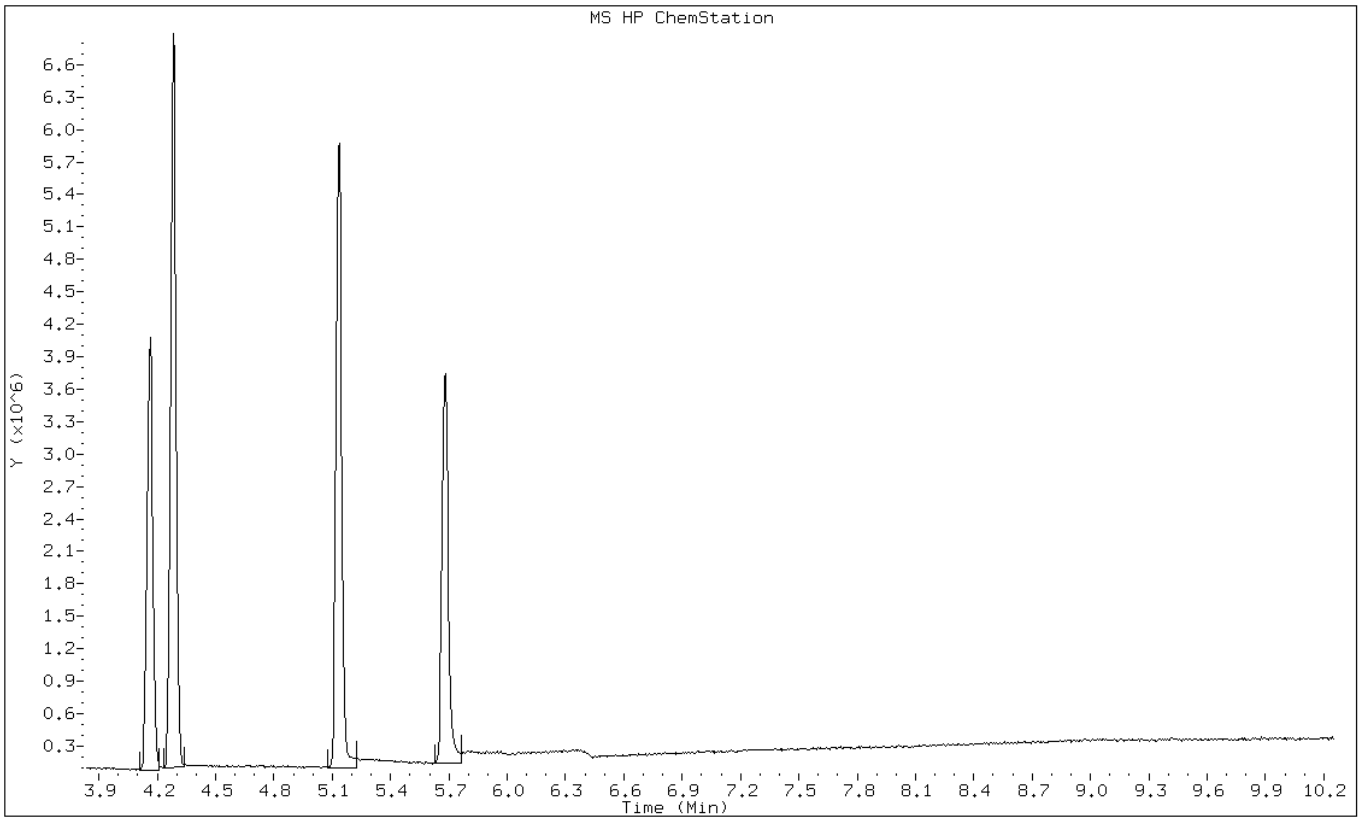
Data File: gghh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 13-MAR-2012 10:00
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gghhto15.b/gghh001.d
Spectrum: Avg. Scans 345-347 (5.68), Background Scan 335
Location of Maximum: 174.00
Number of points: 145

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3219	78.00	2017	128.00	2342	176.00	702016
37.00	18472	79.00	14421	129.00	1528	177.00	46544
38.00	17560	80.00	4300	130.00	2802	178.00	1289
39.00	7528	81.00	14860	131.00	700	180.00	80
40.00	517	82.00	2696	132.00	287	187.00	78
41.00	93	83.00	322	134.00	98	188.00	172
42.00	135	86.00	453	135.00	955	189.00	70
43.00	418	87.00	21616	137.00	1235	192.00	312
44.00	2137	88.00	23104	138.00	100	193.00	111
45.00	4548	91.00	2115	139.00	292	195.00	389
46.00	460	92.00	16263	140.00	811	202.00	172
47.00	4975	93.00	26336	141.00	6883	203.00	272
48.00	2357	94.00	72696	142.00	486	206.00	68
49.00	18744	95.00	689984	143.00	7530	207.00	376
50.00	98816	96.00	47656	144.00	485	211.00	169
51.00	30392	97.00	1669	145.00	770	215.00	114
52.00	687	101.00	152	146.00	1434	216.00	154
55.00	1186	103.00	365	147.00	460	219.00	685
56.00	6789	104.00	2303	148.00	1984	221.00	147
57.00	14169	105.00	750	149.00	602	222.00	69
58.00	1136	106.00	2673	150.00	924	224.00	91
60.00	4270	107.00	843	152.00	403	225.00	46
61.00	23120	110.00	506	153.00	263	230.00	71
62.00	21480	111.00	446	154.00	256	232.00	83
63.00	17568	112.00	471	155.00	2306	241.00	77
64.00	1826	113.00	677	156.00	162	247.00	457
65.00	294	114.00	186	157.00	1463	249.00	480
67.00	1215	115.00	436	158.00	470	255.00	247
68.00	63328	116.00	2590	159.00	1055	256.00	197
69.00	62392	117.00	998	160.00	157	257.00	79
70.00	4841	118.00	2324	161.00	1573	259.00	98
72.00	2374	119.00	2631	163.00	98	261.00	635
73.00	21920	122.00	75	165.00	394	264.00	161
74.00	98200	123.00	122	172.00	438	265.00	222
75.00	307456	124.00	557	173.00	3497		
76.00	27488	125.00	96	174.00	714944		
77.00	2475	127.00	249	175.00	48560		

Data File:	gghh001.d	Date:	13-MAR-2012 10:00
Client ID:	BFB	Instrument:	G.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: MB 200-34961/3

Matrix: Air Lab File ID: gghh003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 11:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 13-MAR-2012 11:44
Operator : pad Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

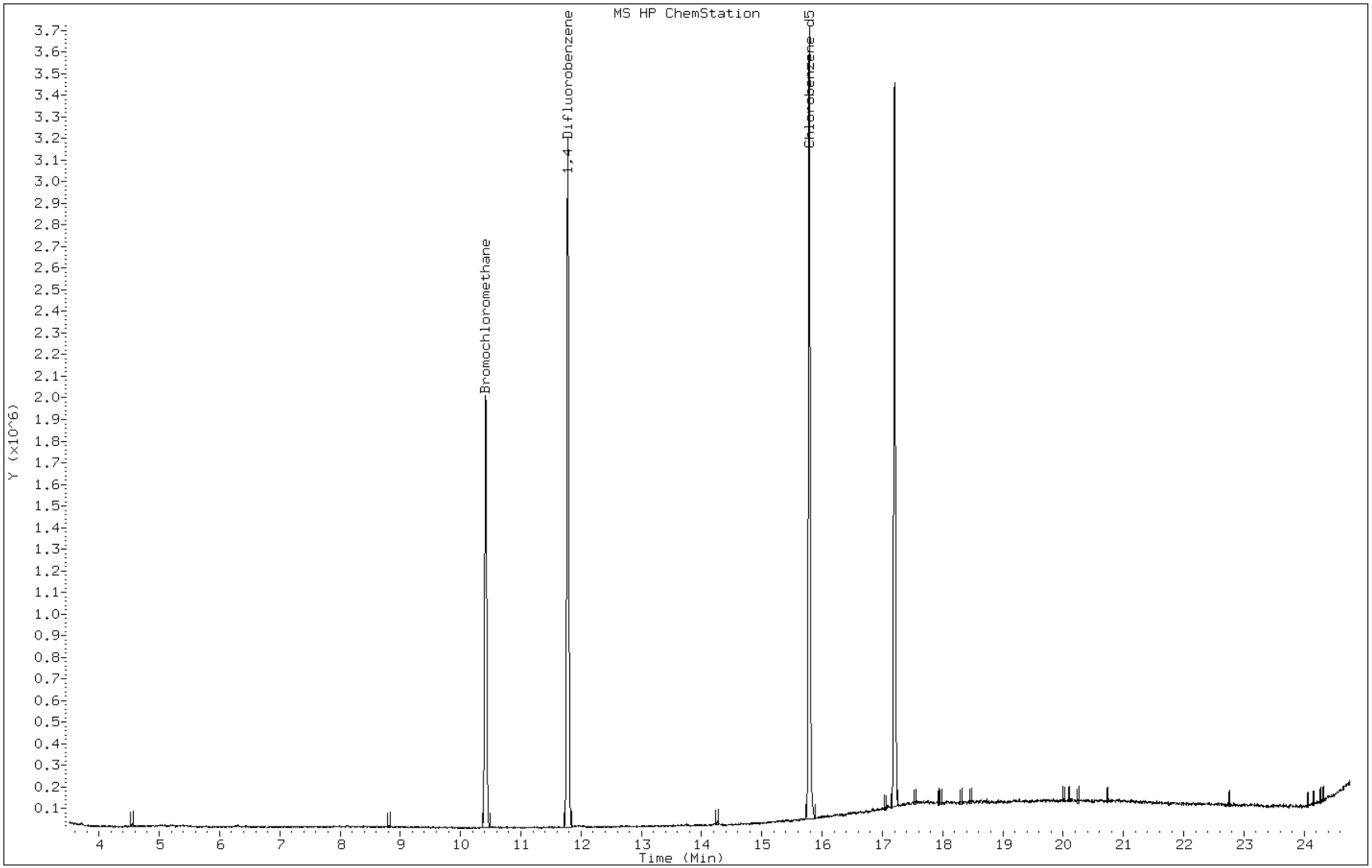
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.415	10.431	(1.000)	757745	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	11.779	11.790	(1.000)	3461194	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.786	15.797	(1.000)	2715122	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	gghh003.d	Date:	13-MAR-2012 11:44
Client ID:	mb	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: MB 200-35378/3

Matrix: Air Lab File ID: ckqr003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 20-MAR-2012 14:49
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

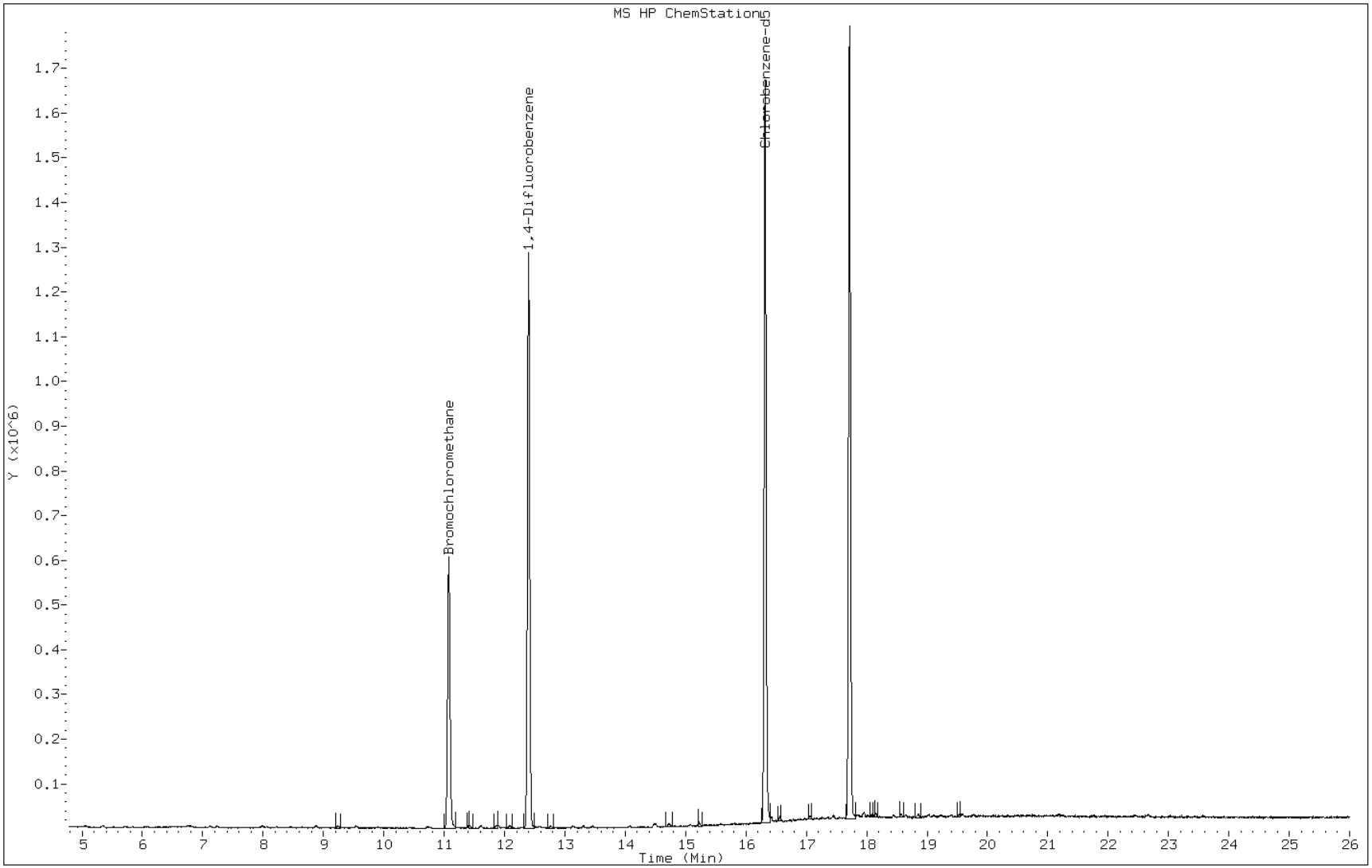
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	247796	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1444732	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1262539	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqr003.d	Date:	20-MAR-2012 14:49
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: MB 200-35786/3

Matrix: Air Lab File ID: ckqw003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 12:17

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 27-MAR-2012 12:17
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

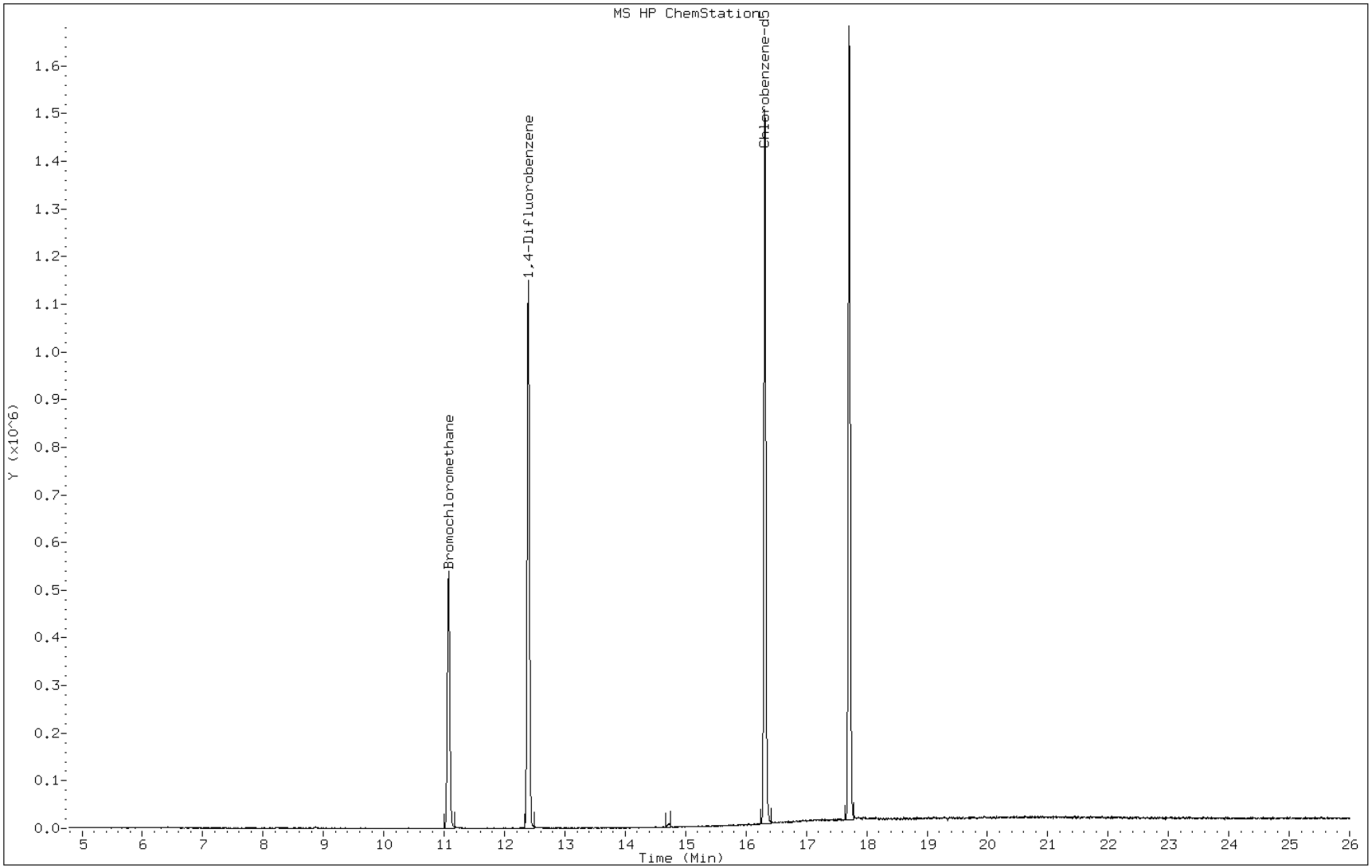
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.072	11.098	(1.000)	215177	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1285355	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1138827	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqw003.d	Date:	27-MAR-2012 12:17
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-34961/4

Matrix: Air Lab File ID: gghh004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 12:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	0.170	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.178	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.182	J	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.157	J	0.20	0.035
107-06-2	1,2-Dichloroethane	0.190	J	0.20	0.031
79-01-6	Trichloroethene	0.192	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.192	J	0.20	0.019
127-18-4	Tetrachloroethene	0.197	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.166	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 13-MAR-2012 12:33
Operator : pad Inst ID: G.i
Smp Info : lcs 303351
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

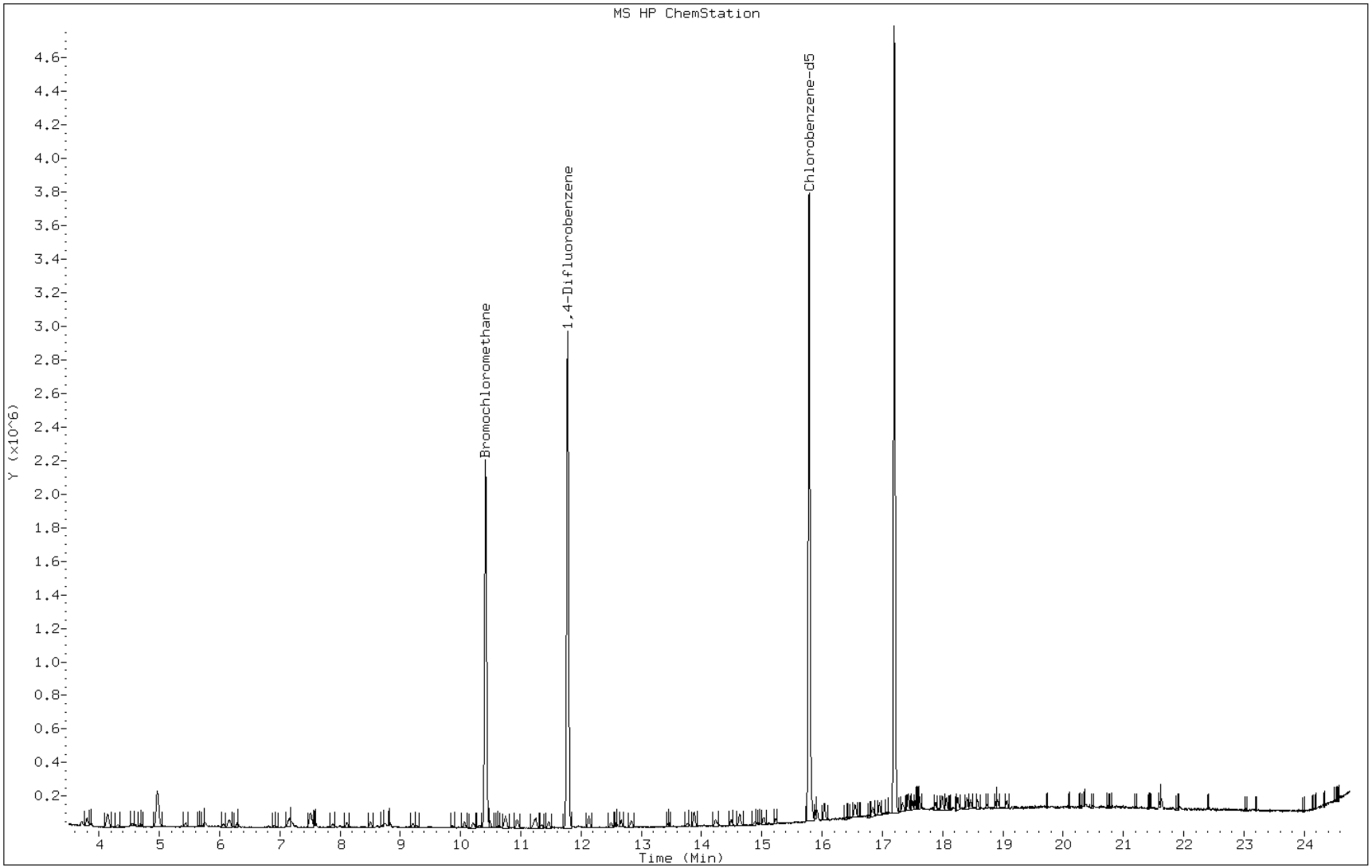
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.135	4.145	(0.397)	53959	0.16594	0.17(a)
7 Vinyl chloride	62	4.600	4.605	(0.442)	16031	0.17042	0.17(a)
8 1,3-Butadiene	54	4.691	4.696	(0.450)	10546	0.16740	0.17(a)
9 Bromomethane	94	5.440	5.440	(0.522)	17462	0.17088	0.17(a)
12 Vinyl bromide	106	6.071	6.071	(0.583)	17715	0.17560	0.18(a)
13 Trichlorofluoromethane	101	6.157	6.173	(0.591)	58820	0.18830	0.19(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.157	7.168	(0.687)	33769	0.17531	0.18(a)
19 1,1-Dichloroethene	96	7.195	7.221	(0.691)	14963	0.18010	0.18(a)
23 Allyl chloride	41	7.880	7.890	(0.757)	14774	0.18314	0.18(a)
27 Methyl tert-butyl ether	73	8.752	8.516	(0.840)	39687	0.18650	0.19(a)
28 1,2-Dichloroethene (trans)	61	8.495	8.516	(0.816)	21621	0.17820	0.18(a)
30 n-Hexane	57	8.826	8.837	(0.847)	18854	0.18452	0.18(a)
31 1,1-Dichloroethane	63	9.206	9.222	(0.884)	25690	0.18429	0.18(a)
34 1,2-Dichloroethene (cis)	96	10.057	10.084	(0.966)	15113	0.18158	0.18(aM)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	10.415	10.431	(1.000)	809755	10.0000	
39 Chloroform	83	10.485	10.501	(1.007)	32814	0.18041	0.18(a)
40 Cyclohexane	84	10.752	10.774	(0.913)	16563	0.15787	0.16(a)
41 1,1,1-Trichloroethane	97	10.742	10.758	(0.912)	37631	0.15679	0.16(a)
42 Carbon tetrachloride	117	10.940	10.956	(0.929)	44126	0.16163	0.16(a)
43 2,2,4-Trimethylpentane	57	11.228	11.239	(0.953)	53236	0.16106	0.16(a)
44 Benzene	78	11.255	11.271	(0.955)	41779	0.19912	0.20
45 1,2-Dichloroethane	62	11.335	11.362	(0.962)	20727	0.18971	0.19(a)
46 n-Heptane	43	11.464	11.474	(0.973)	17539	0.17234	0.17(a)
* 47 1,4-Difluorobenzene	114	11.779	11.790	(1.000)	3164069	10.0000	
49 Trichloroethene	95	12.127	12.143	(1.030)	20120	0.19213	0.19(a)
50 1,2-Dichloropropane	63	12.496	12.512	(1.061)	11643	0.17280	0.17(a)
54 Bromodichloromethane	83	12.839	12.849	(1.090)	29952	0.16804	0.17(a)
55 1,3-Dichloropropene (cis)	75	13.454	13.470	(1.142)	18827	0.19084	0.19(a)
58 Toluene	92	13.882	13.898	(0.879)	24889	0.19303	0.19(a)
59 1,3-Dichloropropene (trans)	75	14.224	14.240	(1.208)	17962	0.17962	0.18(a)
60 1,1,2-Trichloroethane	83	14.492	14.508	(0.918)	12333	0.19213	0.19(a)
61 Tetrachloroethene	166	14.631	14.647	(0.927)	28739	0.19688	0.20
63 Dibromochloromethane	129	15.027	15.043	(0.952)	29742	0.16825	0.17(a)
64 1,2-Dibromoethane	107	15.230	15.246	(0.965)	22399	0.18342	0.18(a)
* 65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2745353	10.0000	
66 Chlorobenzene	112	15.824	15.834	(1.002)	32552	0.19192	0.19(a)
68 Ethylbenzene	91	15.893	15.909	(1.007)	44898	0.16574	0.17(a)
69 Xylene (m,p)	106	16.038	16.054	(1.016)	35991	0.33567	0.34(a)
71 Xylene (o)	106	16.546	16.557	(1.048)	19532	0.17119	0.17(a)
72 Styrene	104	16.567	16.578	(1.049)	21053	0.14514	0.15(aM)
73 Bromoform	173	16.846	16.856	(1.067)	24760	0.14333	0.14(a)
75 1,1,2,2-Tetrachloroethane	83	17.338	17.354	(1.098)	27408	0.16640	0.17(a)
79 4-Ethyltoluene	105	17.552	17.562	(1.112)	43072	0.14726	0.15(a)
80 2-Chlorotoluene	91	17.584	17.595	(1.114)	52919	0.17846	0.18(a)
81 1,3,5-Trimethylbenzene	105	17.616	17.627	(1.116)	45683	0.16800	0.17(a)
84 1,2,4-Trimethylbenzene	105	18.065	18.071	(1.144)	38522	0.14930	0.15(a)
87 1,3-Dichlorobenzene	146	18.472	18.483	(1.170)	25459	0.15674	0.16(a)
88 1,4-Dichlorobenzene	146	18.579	18.595	(1.177)	23885	0.15870	0.16(a)
92 1,2-Dichlorobenzene	146	19.071	19.082	(1.208)	25412	0.15455	0.15(aQ)
95 1,3-Hexachlorobutadiene	225	21.628	21.639	(1.370)	24170	0.15555	0.16(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	gghh004.d	Date:	13-MAR-2012 12:33
Client ID:	lcs 303351	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



Manual Integration Report

Data File: gghh004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 13-MAR-2012 12:33
Instrument ID: G.i
Client ID: lcs 303351
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 03/14/2012

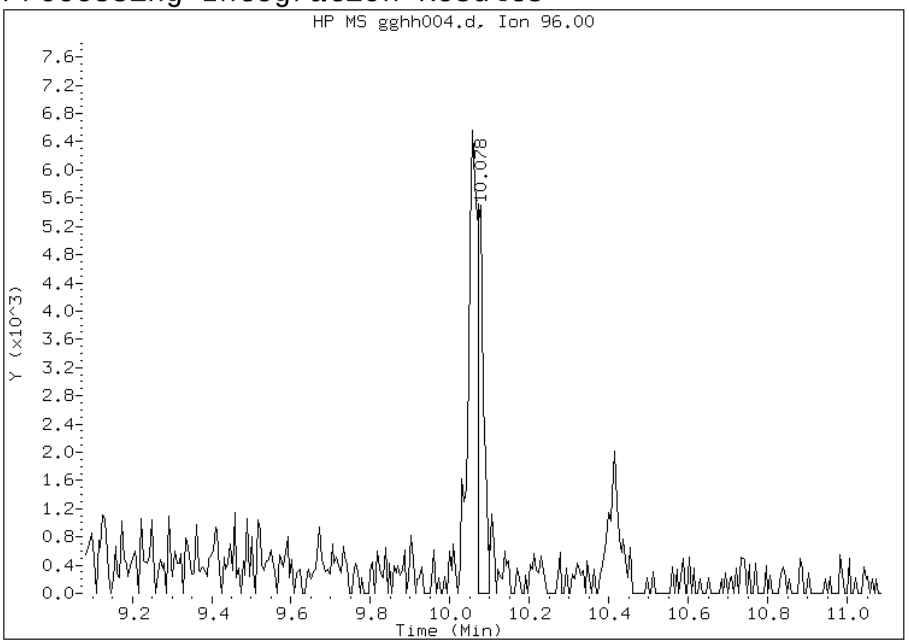
Processing Integration Results

RT: 10.08

Response: 5328

Amount: 0.064026

Conc: 0.064026



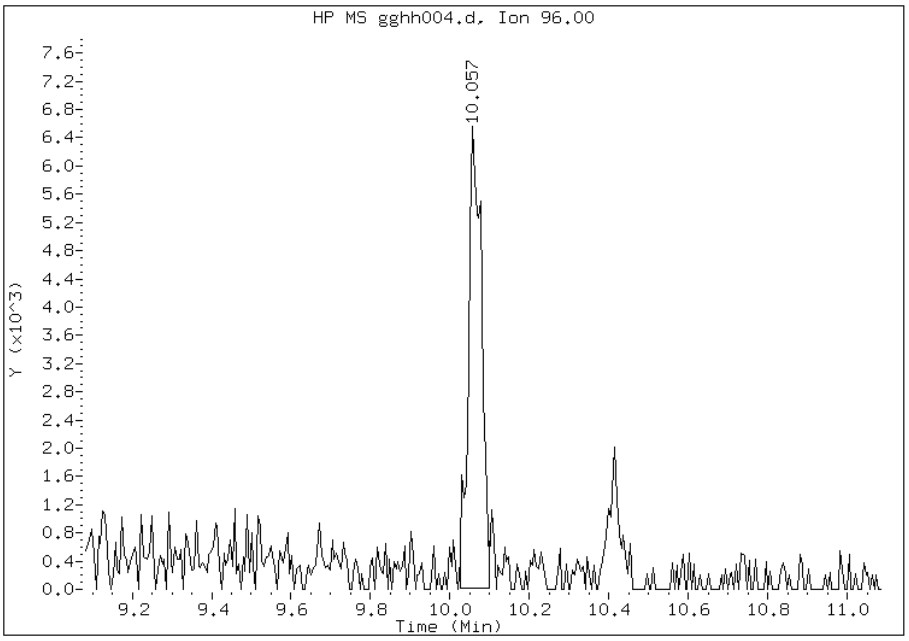
Manual Integration Results

RT: 10.06

Response: 15113

Amount: 0.181581

Conc: 0.181581



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-34961/5

Matrix: Air Lab File ID: gghh005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/13/2012 13:22

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34961 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.453	J	0.50	0.013
75-00-3	Chloroethane	0.425	J	0.50	0.016
75-09-2	Methylene Chloride	0.504		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gghhto15.b/gghh005.d
Lab Smp Id: lcs 303354 Client Smp ID: lcs 303354
Inj Date : 13-MAR-2012 13:22
Operator : pad Inst ID: G.i
Smp Info : lcs 303354
Misc Info : 200,1, lcs
Comment :
Method : /chem/G.i/Gsvr.p/gghhto15.b/TO15v5NJ.m
Meth Date : 14-Mar-2012 10:06 pd Quant Type: ISTD
Cal Date : 02-MAR-2012 22:27 Cal File: ggh011.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

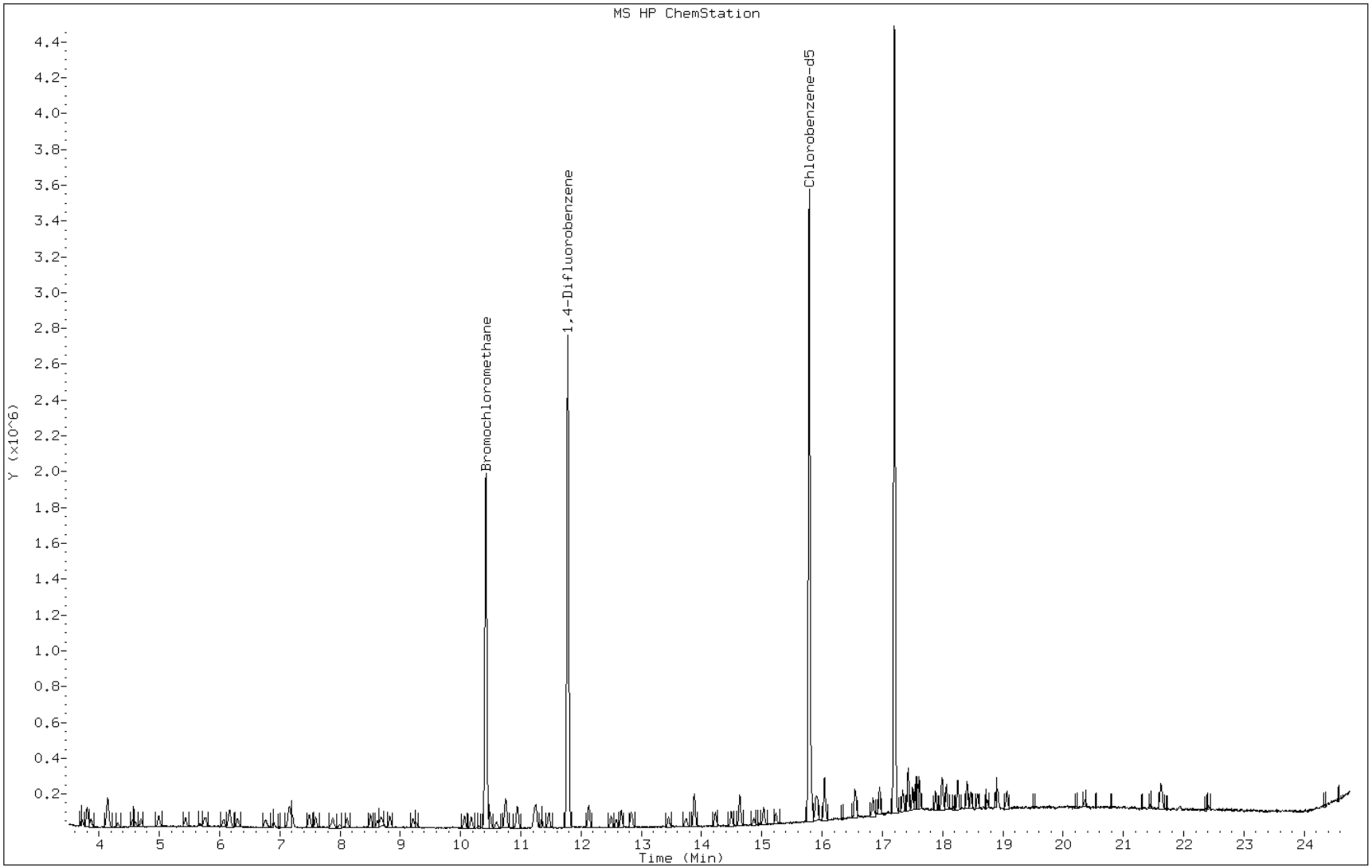
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	2 Dichlorodifluoromethane	85	3.808	3.808	(0.365)	145426	0.47966	0.48(a)
	5 Chloromethane	50	4.316	4.311	(0.414)	32658	0.45280	0.45(a)
	10 Chloroethane	64	5.681	5.681	(0.545)	15898	0.42498	0.42(a)
	21 Carbon disulfide	76	7.596	7.612	(0.729)	101513	0.45034	0.45(a)
	25 Methylene chloride	49	8.115	8.126	(0.779)	36110	0.50381	0.50(Q)
	36 Methyl Ethyl Ketone	72	10.180	10.100	(0.977)	14156	0.50368	0.50(Q)
*	37 Bromochloromethane	128	10.420	10.431	(1.000)	738945	10.0000	
*	47 1,4-Difluorobenzene	114	11.779	11.790	(1.000)	2922370	10.0000	
	51 Methyl methacrylate	69	12.582	12.566	(1.068)	18918	0.35825	0.36(aQ)
	56 Methyl isobutyl ketone	43	13.743	13.673	(1.167)	40454	0.42099	0.42(a)
*	65 Chlorobenzene-d5	117	15.786	15.797	(1.000)	2500569	10.0000	
	94 1,2,4-Trichlorobenzene	180	21.446	21.462	(1.359)	12164	0.19235	0.19(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File:	gghh005.d	Date:	13-MAR-2012 13:22
Client ID:	lcs 303354	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303354		
Lab Sample ID:	lcs 303354		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-35378/4

Matrix: Air Lab File ID: ckqr004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 15:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	0.162	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.173	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.199	J	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.237		0.20	0.035
107-06-2	1,2-Dichloroethane	0.231		0.20	0.031
79-01-6	Trichloroethene	0.184	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.174	J	0.20	0.019
127-18-4	Tetrachloroethene	0.177	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.166	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 20-MAR-2012 15:39
Operator : pad Inst ID: C.i
Smp Info : lcs 303351
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

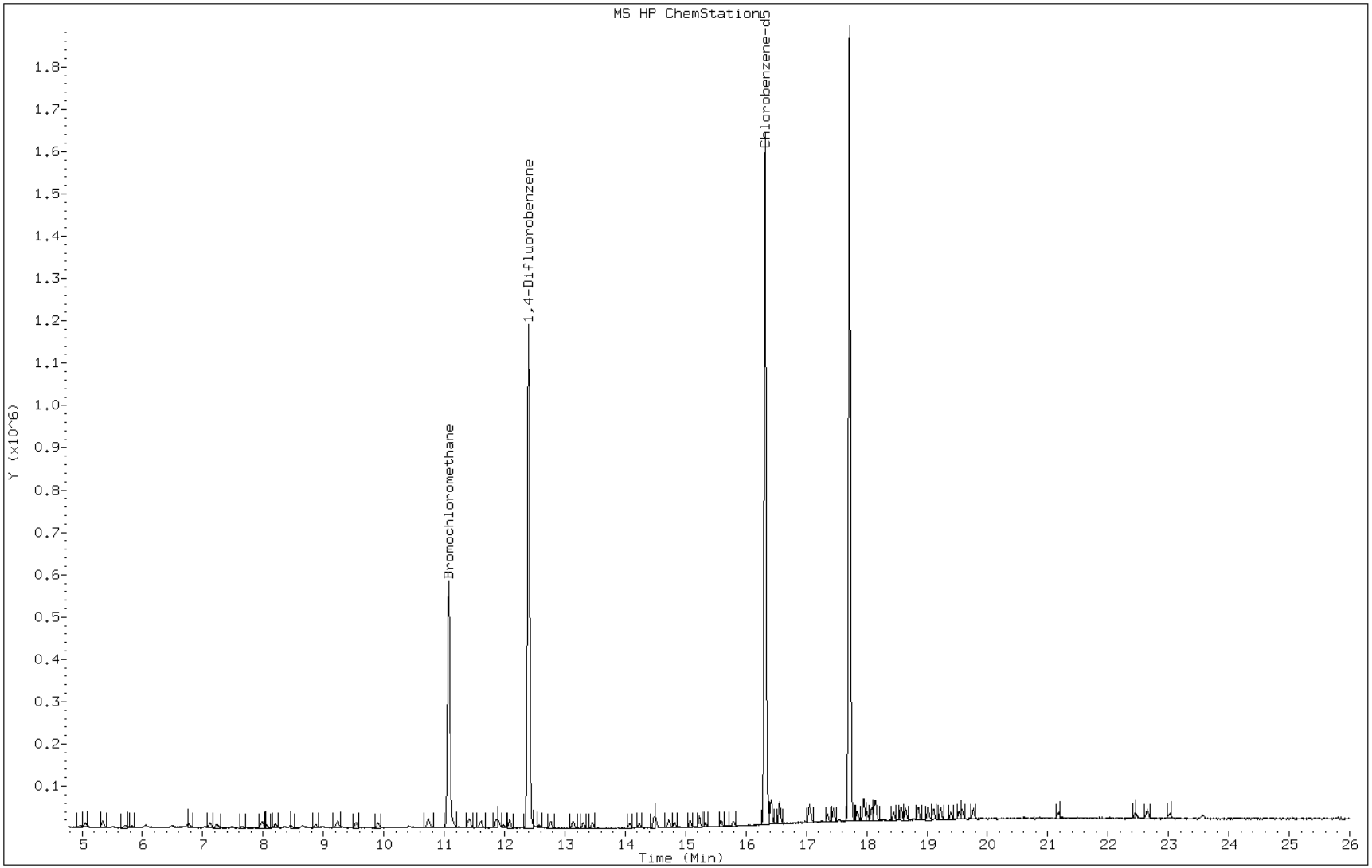
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4	1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.351	(0.483)	15264	0.19292	0.19(a)
7	Vinyl chloride	62	5.756	5.767	(0.520)	4646	0.16194	0.16(a)
8	1,3-Butadiene	54	5.826	5.842	(0.526)	3157	0.14572	0.15(a)
9	Bromomethane	94	6.493	6.503	(0.586)	4470	0.17711	0.18(aQ)
12	Vinyl bromide	106	7.043	7.053	(0.636)	4923	0.18378	0.18(a)
13	Trichlorofluoromethane	101	7.123	7.138	(0.643)	16996	0.24113	0.24
17	1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.998	(0.721)	10177	0.18621	0.19(a)
19	1,1-Dichloroethene	96	8.073	8.072	(0.729)	5402	0.19359	0.19(aM)
23	Allyl chloride	41	8.660	8.675	(0.782)	6316	0.15417	0.15(a)
27	Methyl tert-butyl ether	73	9.225	9.215	(0.833)	15735	0.20430	0.20
28	1,2-Dichloroethene (trans)	61	9.241	9.263	(0.834)	7331	0.17255	0.17(a)
30	n-Hexane	57	9.540	9.556	(0.861)	8863	0.17503	0.18(a)
31	1,1-Dichloroethane	63	9.903	9.924	(0.894)	10203	0.19028	0.19(a)
34	1,2-Dichloroethene (cis)	96	10.736	10.746	(0.969)	6246	0.19886	0.20(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	11.077	11.098	(1.000)	232644	10.0000	
39 Chloroform	83	11.131	11.146	(1.005)	12890	0.20999	0.21
40 Cyclohexane	84	11.435	11.451	(0.922)	7346	0.16189	0.16(aQ)
41 1,1,1-Trichloroethane	97	11.414	11.424	(0.921)	14892	0.23671	0.24(M)
42 Carbon tetrachloride	117	11.606	11.621	(0.936)	14312	0.23308	0.23
43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.957)	26521	0.17184	0.17(a)
44 Benzene	78	11.910	11.926	(0.961)	17992	0.17978	0.18(a)
45 1,2-Dichloroethane	62	11.979	12.006	(0.966)	8825	0.23108	0.23(M)
46 n-Heptane	43	12.091	12.102	(0.975)	10530	0.18662	0.19(a)
* 47 1,4-Difluorobenzene	114	12.396	12.417	(1.000)	1324256	10.0000	
49 Trichloroethene	95	12.764	12.785	(1.030)	7935	0.18425	0.18(aQ)
50 1,2-Dichloropropane	63	13.132	13.148	(1.059)	5759	0.16860	0.17(aQ)
54 Bromodichloromethane	83	13.452	13.479	(1.085)	12445	0.18961	0.19(a)
55 1,3-Dichloropropene (cis)	75	14.071	14.092	(1.135)	9693	0.18550	0.19(a)
58 Toluene	92	14.504	14.525	(0.889)	12636	0.17284	0.17(a)
59 1,3-Dichloropropene (trans)	75	14.813	14.834	(1.195)	10465	0.20915	0.21
60 1,1,2-Trichloroethane	83	15.069	15.090	(0.923)	5837	0.17415	0.17(a)
61 Tetrachloroethene	166	15.229	15.245	(0.933)	9670	0.17721	0.18(a)
63 Dibromochloromethane	129	15.587	15.608	(0.955)	10750	0.16849	0.17(aQ)
64 1,2-Dibromoethane	107	15.790	15.811	(0.968)	10459	0.17071	0.17(aQ)
* 65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1211269	10.0000	
66 Chlorobenzene	112	16.361	16.377	(1.003)	15854	0.16749	0.17(aQ)
68 Ethylbenzene	91	16.414	16.435	(1.006)	27423	0.18498	0.18(a)
69 Xylene (m,p)	106	16.558	16.574	(1.015)	19894	0.33714	0.34(aQ)
71 Xylene (o)	106	17.044	17.065	(1.044)	10174	0.17781	0.18(aQ)
72 Styrene	104	17.065	17.086	(1.046)	13530	0.15244	0.15(a)
73 Bromoform	173	17.354	17.375	(1.063)	9188	0.16251	0.16(a)
75 1,1,2,2-Tetrachloroethane	83	17.845	17.866	(1.094)	14116	0.16646	0.17(a)
79 4-Ethyltoluene	105	18.085	18.100	(1.108)	28252	0.17111	0.17(aM)
80 2-Chlorotoluene	91	18.138	18.154	(1.112)	29103	0.19737	0.20
81 1,3,5-Trimethylbenzene	105	18.154	18.170	(1.113)	24976	0.18311	0.18(aM)
84 1,2,4-Trimethylbenzene	105	18.640	18.661	(1.142)	24093	0.17877	0.18(a)
87 1,3-Dichlorobenzene	146	19.109	19.131	(1.171)	16257	0.17774	0.18(a)
88 1,4-Dichlorobenzene	146	19.227	19.248	(1.178)	16976	0.18865	0.19(a)
92 1,2-Dichlorobenzene	146	19.766	19.792	(1.211)	15377	0.17727	0.18(a)
95 1,3-Hexachlorobutadiene	225	22.658	22.685	(1.389)	7242	0.18263	0.18(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr004.d	Date:	20-MAR-2012 15:39
Client ID:	lcs 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 03/21/2012

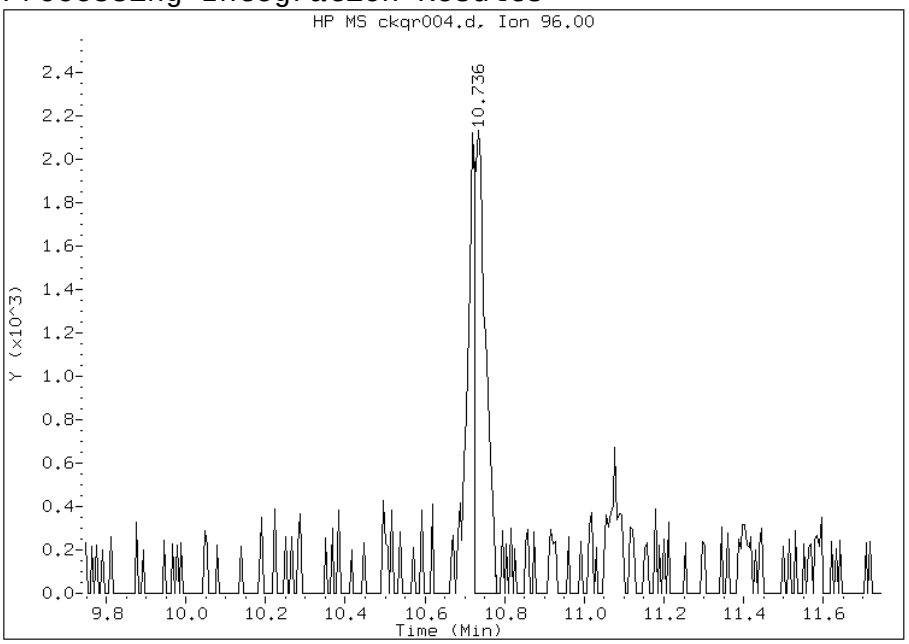
Processing Integration Results

RT: 10.74

Response: 4186

Amount: 0.133271

Conc: 0.133271



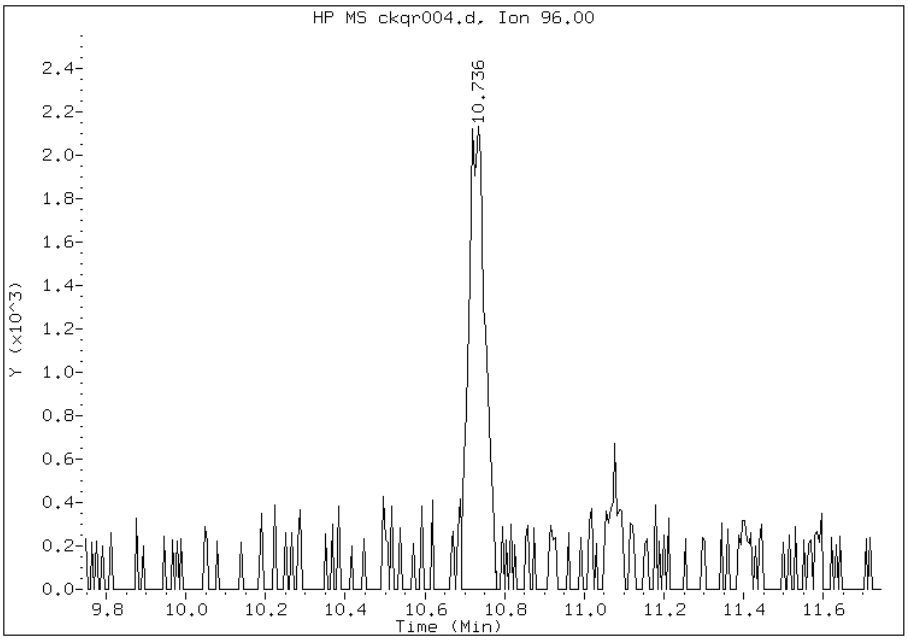
Manual Integration Results

RT: 10.74

Response: 6246

Amount: 0.198856

Conc: 0.198856



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 41 1,1,1-Trichloroethane
CAS #: 71-55-6
Report Date: 03/21/2012

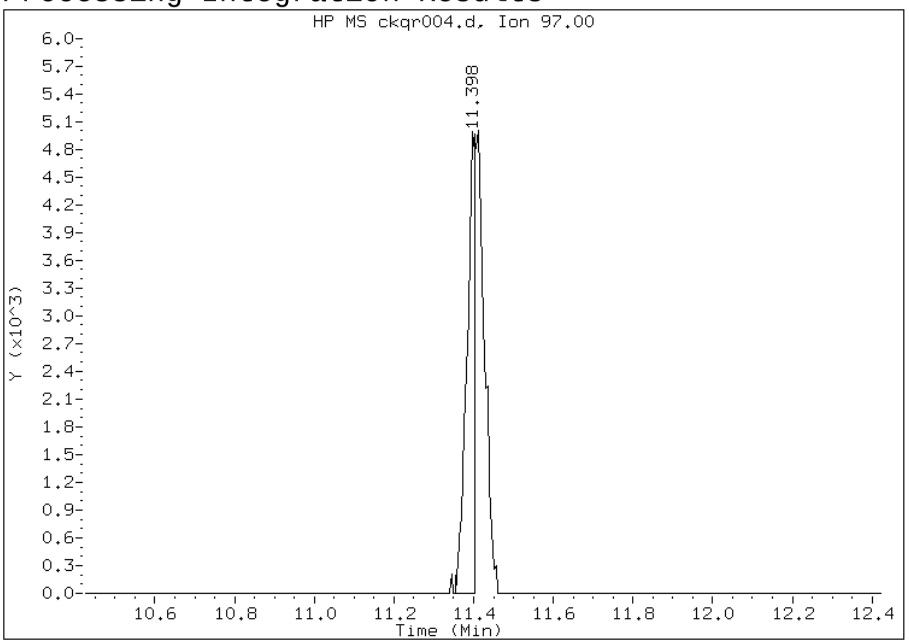
Processing Integration Results

RT: 11.40

Response: 7237

Amount: 0.115034

Conc: 0.115034



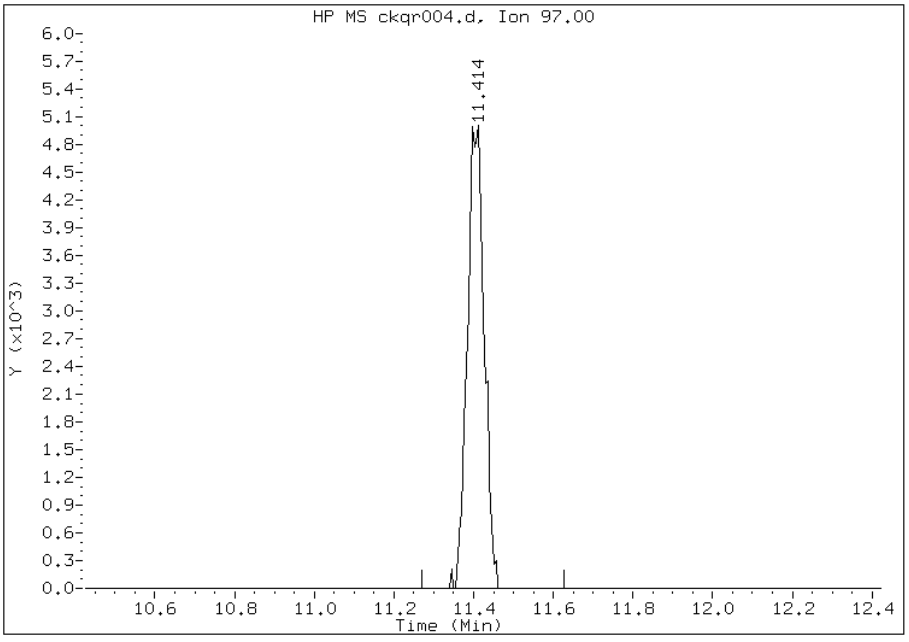
Manual Integration Results

RT: 11.41

Response: 14892

Amount: 0.236711

Conc: 0.236711



File Uploaded By: pd
Manual Integration Reason: Baseline event

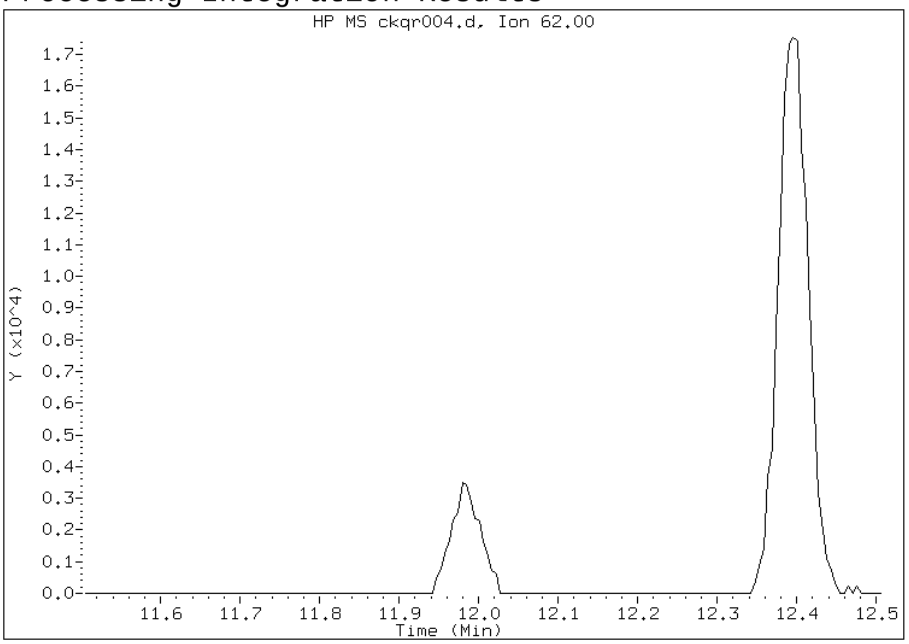
Manual Integration Report

Data File: ckqr004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 20-MAR-2012 15:39
Instrument ID: C.i
Client ID: lcs 303351
Compound: 45 1,2-Dichloroethane
CAS #: 107-06-2
Report Date: 03/21/2012

Processing Integration Results

Not Detected

Expected RT: 12.01



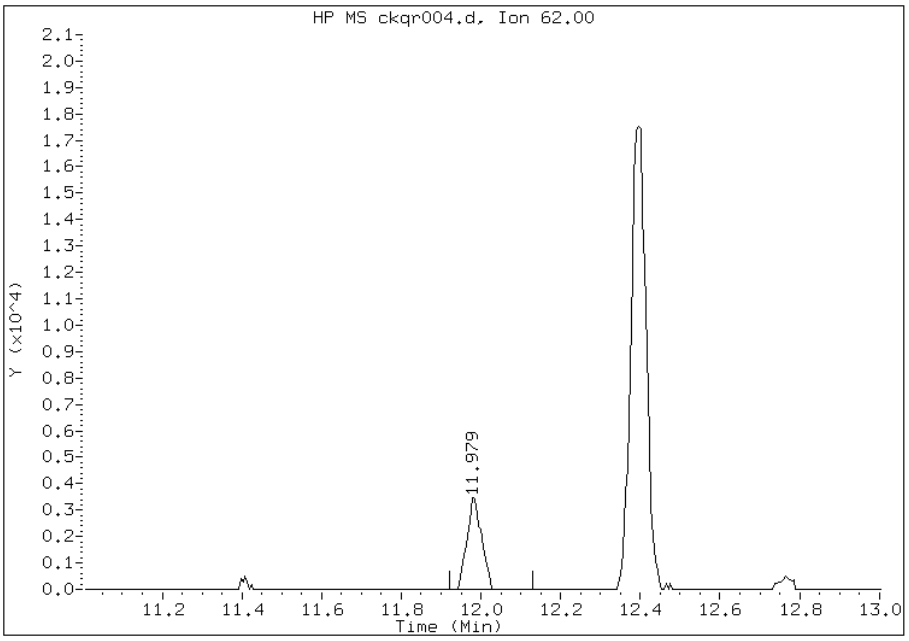
Manual Integration Results

RT: 11.98

Response: 8825

Amount: 0.231081

Conc: 0.231081



File Uploaded By: pd
Manual Integration Reason: Analyte misidentified by the data system

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-35378/5

Matrix: Air Lab File ID: ckqr005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/20/2012 16:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35378 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.480	J	0.50	0.013
75-00-3	Chloroethane	0.472	J	0.50	0.016
75-09-2	Methylene Chloride	0.535		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqrto15.b/ckqr005.d
Lab Smp Id: lcs 303354
Inj Date : 20-MAR-2012 16:29
Operator : pad Inst ID: C.i
Smp Info : lcs 303354
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckqrto15.b/TO15v5NJ.m
Meth Date : 21-Mar-2012 13:17 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

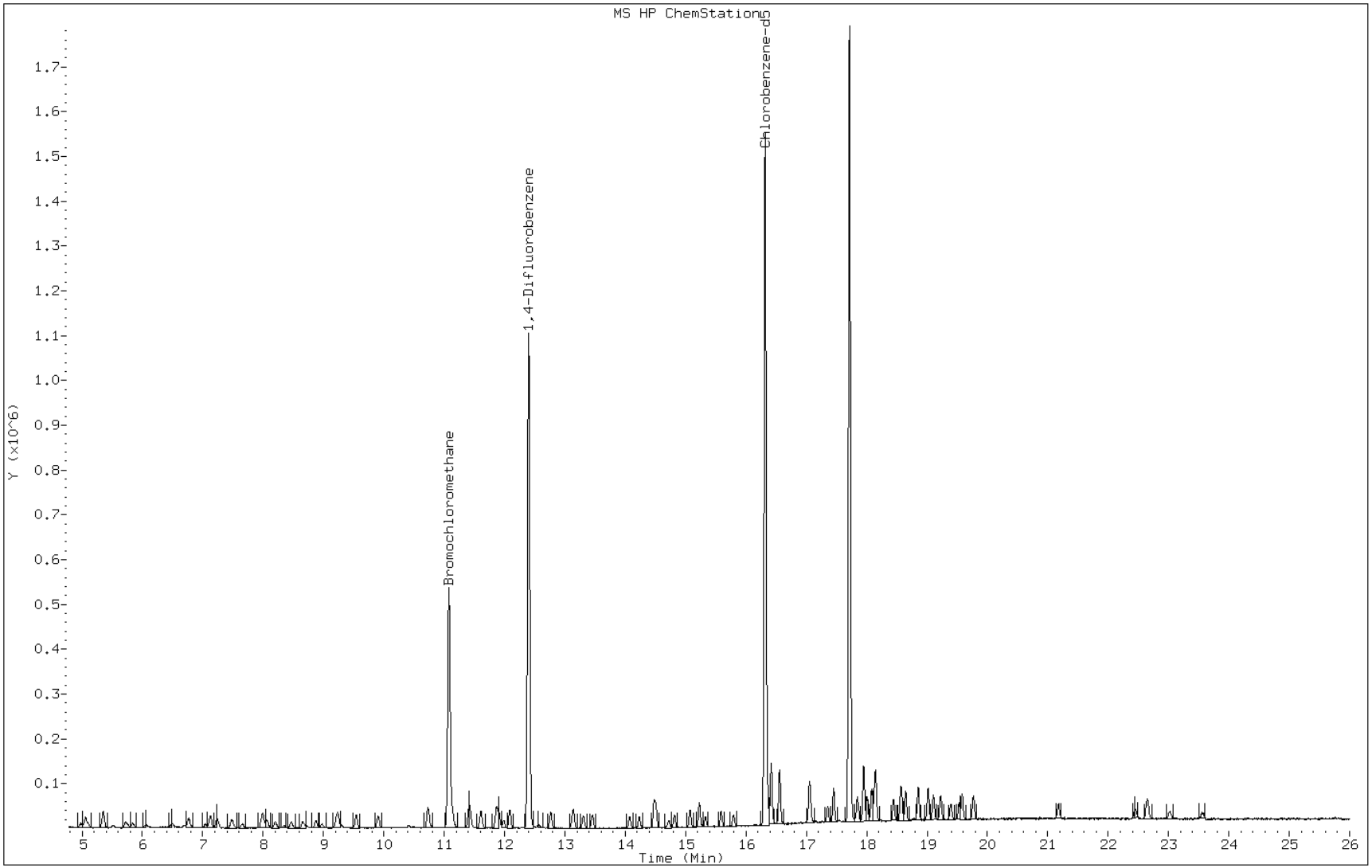
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	37748	0.60159	0.60
	5 Chloromethane	50	5.511	5.511	(0.497)	10616	0.47995	0.48(a)
	10 Chloroethane	64	6.701	6.696	(0.605)	6161	0.47226	0.47(a)
	21 Carbon disulfide	76	8.467	8.478	(0.764)	31747	0.41328	0.41(a)
	25 Methylene chloride	49	8.873	8.889	(0.801)	14351	0.53478	0.53
	36 Methyl Ethyl Ketone	72	10.741	10.736	(0.970)	5838	0.45792	0.46(aQM)
*	37 Bromochloromethane	128	11.077	11.098	(1.000)	214019	10.0000	
*	47 1,4-Difluorobenzene	114	12.401	12.417	(1.000)	1213371	10.0000	
	51 Methyl methacrylate	69	13.148	13.159	(1.060)	11754	0.45203	0.45(aQ)
	56 Methyl isobutyl ketone	43	14.237	14.237	(1.148)	24231	0.50465	0.50
*	65 Chlorobenzene-d5	117	16.318	16.339	(1.000)	1128680	10.0000	
	94 1,2,4-Trichlorobenzene	180	22.450	22.487	(1.376)	13937	0.33971	0.34(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqr005.d	Date:	20-MAR-2012 16:29
Client ID:		Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303354		
Lab Sample ID:	lcs 303354		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-35786/4

Matrix: Air Lab File ID: ckqw004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 13:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	0.176	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.195	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.186	J	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.261		0.20	0.035
107-06-2	1,2-Dichloroethane	0.242		0.20	0.031
79-01-6	Trichloroethene	0.197	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.162	J	0.20	0.019
127-18-4	Tetrachloroethene	0.183	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.166	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 27-MAR-2012 13:07
Operator : pad Inst ID: C.i
Smp Info : lcs 303351
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

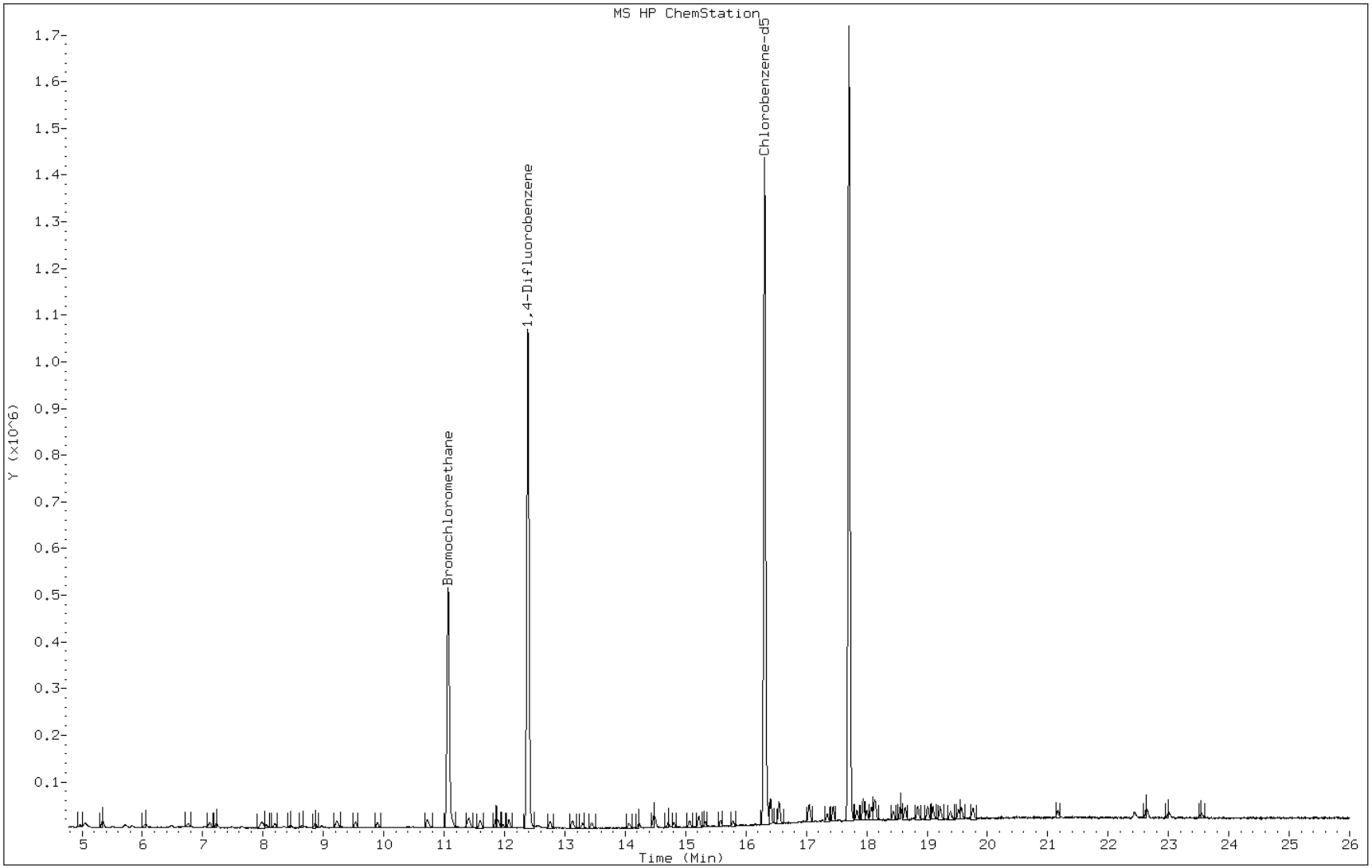
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.335	5.351	(0.482)	13794	0.20134	0.20(Q)
7 Vinyl chloride	62	5.751	5.767	(0.520)	4362	0.17559	0.18(a)
8 1,3-Butadiene	54	5.836	5.842	(0.527)	2827	0.15070	0.15(a)
9 Bromomethane	94	6.482	6.503	(0.586)	4308	0.19713	0.20
12 Vinyl bromide	106	7.048	7.053	(0.637)	4052	0.17469	0.17(a)
13 Trichlorofluoromethane	101	7.117	7.138	(0.643)	17077	0.27980	0.28
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.971	7.998	(0.720)	9333	0.19722	0.20
19 1,1-Dichloroethene	96	8.046	8.072	(0.727)	4584	0.18972	0.19(aM)
23 Allyl chloride	41	8.649	8.675	(0.782)	6406	0.18059	0.18(a)
27 Methyl tert-butyl ether	73	9.220	9.215	(0.833)	14898	0.22339	0.22
28 1,2-Dichloroethene (trans)	61	9.236	9.263	(0.835)	7158	0.19457	0.19(a)
30 n-Hexane	57	9.524	9.556	(0.861)	8005	0.18257	0.18(a)
31 1,1-Dichloroethane	63	9.898	9.924	(0.894)	8753	0.18852	0.19(a)
34 1,2-Dichloroethene (cis)	96	10.720	10.746	(0.969)	5052	0.18575	0.19(aQ)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	11.067	11.098	(1.000)	201444	10.0000	
39 Chloroform	83	11.125	11.146	(1.005)	11808	0.22216	0.22(M)
40 Cyclohexane	84	11.424	11.451	(0.922)	6997	0.17731	0.18(a)
41 1,1,1-Trichloroethane	97	11.397	11.424	(0.920)	14286	0.26110	0.26
42 Carbon tetrachloride	117	11.590	11.621	(0.936)	13993	0.26203	0.26
43 2,2,4-Trimethylpentane	57	11.862	11.883	(0.958)	25001	0.18626	0.19(a)
44 Benzene	78	11.904	11.926	(0.961)	15814	0.18170	0.18(a)
45 1,2-Dichloroethane	62	11.974	12.006	(0.967)	8046	0.24225	0.24
46 n-Heptane	43	12.081	12.102	(0.975)	10299	0.20988	0.21
* 47 1,4-Difluorobenzene	114	12.385	12.417	(1.000)	1151689	10.0000	
49 Trichloroethene	95	12.753	12.785	(1.030)	7380	0.19704	0.20
50 1,2-Dichloropropane	63	13.127	13.148	(1.060)	5144	0.17316	0.17(aQ)
54 Bromodichloromethane	83	13.452	13.479	(1.086)	12029	0.21073	0.21
55 1,3-Dichloropropene (cis)	75	14.071	14.092	(1.136)	9100	0.20024	0.20
58 Toluene	92	14.498	14.525	(0.889)	10717	0.16608	0.17(a)
59 1,3-Dichloropropene (trans)	75	14.808	14.834	(1.196)	9451	0.21719	0.22
60 1,1,2-Trichloroethane	83	15.069	15.090	(0.924)	4788	0.16185	0.16(aQ)
61 Tetrachloroethene	166	15.219	15.245	(0.933)	8802	0.18275	0.18(aQ)
63 Dibromochloromethane	129	15.576	15.608	(0.955)	10297	0.18285	0.18(a)
64 1,2-Dibromoethane	107	15.779	15.811	(0.967)	9111	0.16849	0.17(a)
* 65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	1069112	10.0000	
66 Chlorobenzene	112	16.339	16.377	(1.002)	14962	0.17908	0.18(aQM)
68 Ethylbenzene	91	16.409	16.435	(1.006)	24702	0.18879	0.19(a)
69 Xylene (m,p)	106	16.548	16.574	(1.014)	16417	0.31521	0.32(aQ)
71 Xylene (o)	106	17.044	17.065	(1.045)	9159	0.18136	0.18(aQ)
72 Styrene	104	17.060	17.086	(1.046)	11726	0.14969	0.15(aQ)
73 Bromoform	173	17.343	17.375	(1.063)	8132	0.16296	0.16(a)
75 1,1,2,2-Tetrachloroethane	83	17.839	17.866	(1.094)	12438	0.16618	0.17(a)
79 4-Ethyltoluene	105	18.079	18.100	(1.108)	25578	0.17551	0.18(a)
80 2-Chlorotoluene	91	18.127	18.154	(1.111)	26451	0.20324	0.20
81 1,3,5-Trimethylbenzene	105	18.143	18.170	(1.112)	23335	0.19383	0.19(a)
84 1,2,4-Trimethylbenzene	105	18.634	18.661	(1.142)	20802	0.17488	0.17(a)
87 1,3-Dichlorobenzene	146	19.099	19.131	(1.171)	15344	0.19006	0.19(a)
88 1,4-Dichlorobenzene	146	19.221	19.248	(1.178)	15120	0.19037	0.19(a)
92 1,2-Dichlorobenzene	146	19.760	19.792	(1.211)	13701	0.17895	0.18(a)
95 1,3-Hexachlorobutadiene	225	22.642	22.685	(1.388)	7116	0.20331	0.20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckqw004.d	Date:	27-MAR-2012 13:07
Client ID:	lcs 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Client Sample ID: Lab Sample ID: LCS 200-35786/5

Matrix: Air Lab File ID: ckqw005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/27/2012 14:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35786 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.489	J	0.50	0.013
75-00-3	Chloroethane	0.464	J	0.50	0.016
75-09-2	Methylene Chloride	0.557		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqwto15.b/ckqw005.d
Lab Smp Id: lcs 303354 Client Smp ID: lcs 303354
Inj Date : 27-MAR-2012 14:00
Operator : pad Inst ID: C.i
Smp Info : lcs 303354
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckqwto15.b/TO15v5NJ.m
Meth Date : 28-Mar-2012 10:29 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

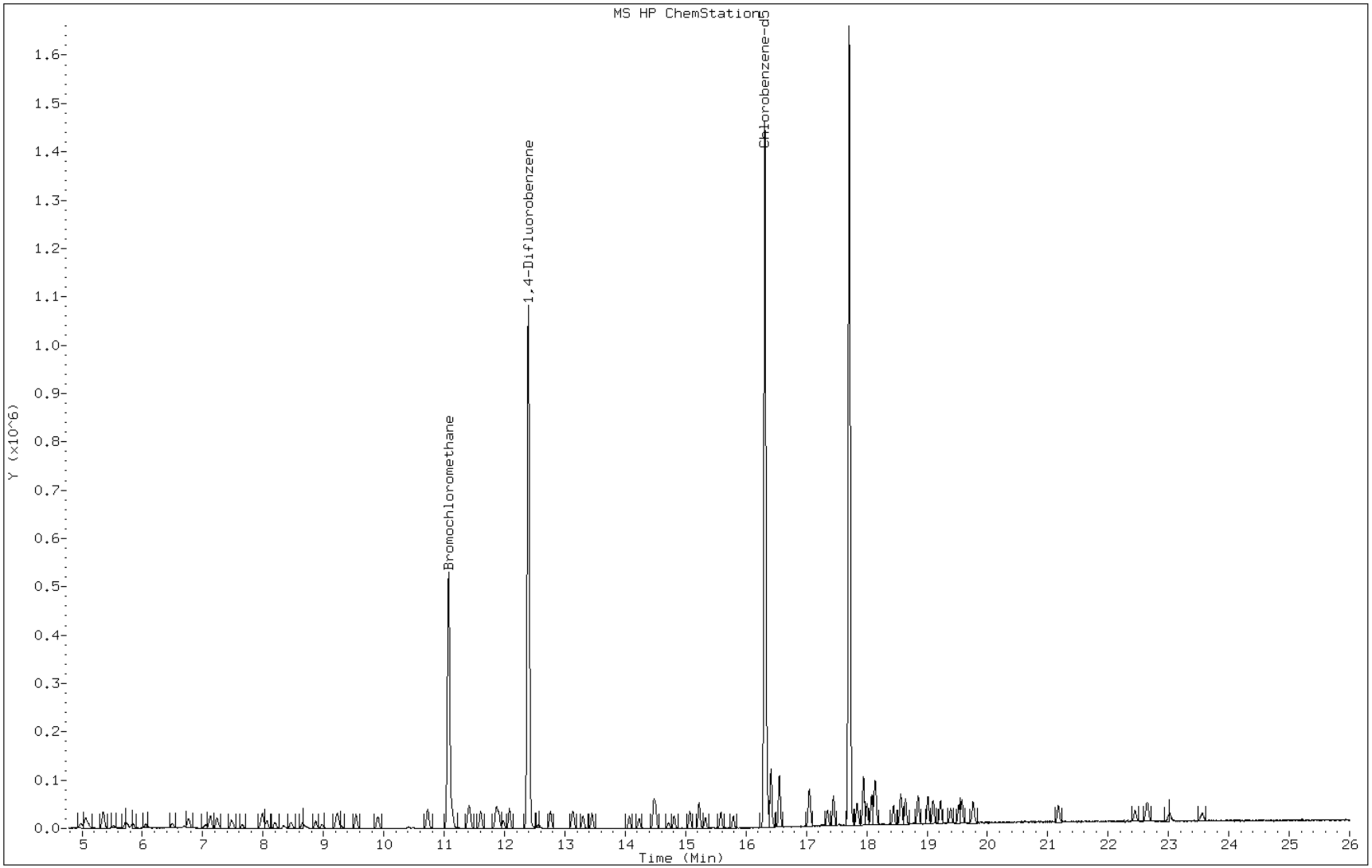
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2	Dichlorodifluoromethane	85	5.063	5.057	(0.457)	36629	0.62193	0.62
5	Chloromethane	50	5.516	5.511	(0.498)	10148	0.48879	0.49(a)
10	Chloroethane	64	6.696	6.696	(0.604)	5687	0.46443	0.46(a)
21	Carbon disulfide	76	8.468	8.478	(0.764)	29891	0.41456	0.41(a)
25	Methylene chloride	49	8.873	8.889	(0.801)	14027	0.55689	0.56
36	Methyl Ethyl Ketone	72	10.730	10.736	(0.969)	4402	0.36786	0.37(aQ)
* 37	Bromochloromethane	128	11.077	11.098	(1.000)	200884	10.0000	
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1164967	10.0000	
51	Methyl methacrylate	69	13.137	13.159	(1.060)	9118	0.36523	0.37(aQ)
56	Methyl isobutyl ketone	43	14.226	14.237	(1.148)	21112	0.45796	0.46(a)
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1054781	10.0000	
94	1,2,4-Trichlorobenzene	180	22.445	22.487	(1.376)	12988	0.33875	0.34(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckqw005.d	Date:	27-MAR-2012 14:00
Client ID:	lcs 303354	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303354		
Lab Sample ID:	lcs 303354		



GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: G6H	Start Date: 03/02/12	Time: 1416	ISTD Lot #: 248062	Instrument ID: G
Test Method: TO15	End Date: 03/03/12	Time: 1416	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 03/02/12			ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial		Paul Daigle			
Signature		PAD			

	Sequence Information							Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1416	G6H 001	N/A	BFB	NA	NA	NA	PAD	NA	✓	PAD	ok
1505	002	4634	vib/k		1	200		✓	✓		
1554	003	3510	IC, lev8		2	40		N/A	✓		279316
1643	004	3510	IC, lev1		2	200			✓		279316
1733	005	2603	NA (lev2)		3				—		279315 RR
1822	006	3385 3384 5/2/12	IC, lev2		3				✓		279313
1911	007	3093	IC, lev3		4				✓		275709
2000	008	3492	ICIS, lev4		5				✓		291253
2048	009	3043	IC, lev5		6				✓		279073
2137	010	3551	IC, lev6		7				✓		279072
2227	011	3031	IC, lev7		8				✓		275630
2316	012	4634	vib/k		1			✓	✓		
0004	013	4634	vib/k		1			✓	✓		
0053	014	3640	LCS		9			✓	↑		290910 Pad ↑
0142	015	4634	vib/k		1			✓	✓		
0231	016	3640	ICV		9			✓	✓		290910 AG
0320	017	4634	VIBLK		1			✓	✓		

PAD 03/05/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: GGHH	Start Date: 03/13/12	Time: 1000		ISTD Lot #: 248062	Instrument ID: G
Test Method: T015NJ-LL	End Date: 03/14/12	Time: 1000		CAL STD Lot # 302593	Instrument: 5973
ICAL Date: 03/02/12				ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager MTP	Analyst	Analyst	Analyst AHK	Analyst
Name/Initial	Mark Phillips	Paul Daigle		Angela H. Keene	
Signature	Mark Phillips	Paul Daigle PAD		Angela H. Keene	

	Sequence Information							Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1000	GGHH 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1050	002	2680	CCVIS		1	200		↓	✓		AG-
1144	003	4634	MB		2			✓	✓		
1233	004	5015	0.2RLLCS		3			✓	✓		AG- 303351
1322	005	4837	0.5RLLCS		4			✓	✓		↓ 303354
1413	006	3544	5.0RLLCS	↓	5	↓		✓	✓	↓	AG 302596
1505	007	3334	9741-05	0.4	6	500		✓	✓	AHK	C
1602	008	5096	9750-01	1	7	200		✓	✓		C
1651	009	4094	-02		8			✓	✓		C
1740	010	4321	-03		9			✓	✓	↓	C
1829	011	2585	-04		10			✓	✓	PAD	C
1919	012	4129	-06		11			✓	✓		C
2008	013	3866	-07		12			✓	✓		C
2057	014	3025	-08		13			✓	✓		C
2146	015	4909	↓ -09	↓	14	↓		✓	✓		C
2235	016	4068	9749-01	1	15	200		✓	✓	↓	
	~~017~~	~~5157~~	~~13~~	~~10~~	~~16~~	~~20~~					PAD 3/13/12
2323	~~018~~ 017	2784	-14	10	1	20		✓	✓	PAD	C
0012	019 018	4281	-16	1	2	200		✓	✓		C
0101	020 019	3028	-17		3			✓	✓		C
0150	021 020	2592	↓ -18	↓	4	↓		✓	✓		C
0239	~~022~~ 021	4378	9736-01	1	5	200		✓	✓		C
0328	022	3348	9735-17	1	6	200	↓	✓	✓		C
0417	023	2680	CCVC	NA	16	200	AHK	✓	✓		AG-
0505	024	↓	N/A	↓	16	200	↓	—	—	↓	not needed
				PAD	03/14/12						

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

batch 34117 / 34198 NJ

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 245052	Instrument ID: C
Test Method: TOIS / TOISLLNJ	End Date: 2/25/12	Time: 0522	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	KAD	WRD	AHK	PAD	
	Kristine Dusablon	William DeJarnette	Angela H. Keene	Paul Daigle	
Signature	Kristine Dusablon		Angela H. Keene	Paul Daigle PAD	

Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	Sequence Information							**Individual Sample Review**			
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	OK
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3510	IC Level 8		2	40		NA	✓	WRD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	ICIS Level 4	2/24/12	5				✓	✓	275682
1413	008	3643	IC Level 5		6				✓		279073
1503	009	3557	IC Level 6		7				✓		279072
1553	010	3631	IC Level 7		8				✓		275630
1643	011	4632 VIBLK	IC Level 8		1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Value Closed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960			9			✓	NA		290911 Value Closed
2234	016 018	4632	MB		1			✓	✓	AHK	OK
2324	017 019	5033	680-26954-1	10	10	20	WRD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 33424 C
0246	021 023	4565	-5	964	14	35		✓ KLP 2/27/12	✓		CDF 168.78 RR OR
0337	022 024	4471	9412-17	2.99	15	67	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 17.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	4.5	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID:	CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 245052	Instrument ID: C
Test Method:	TCLS / TDKLL	End Date: 2/25/12	Time: 0022	CAL STD Lot #	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4477	9412-23	10	6	20					
	↓ 029	5044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290711, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290711, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQR	Start Date: 03/20/12	Time: 1213	ISTD Lot #: 248052	Instrument ID: C
Test Method: NJ-LC	End Date: 03/21/12	Time: 1213	CAL STD Lot # 302592	Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager MTP	Analyst	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	Paul Daigle	Angela H. Keene		
Signature	Mark Phillips	Paul Daigle PAD	Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1213	CKQR 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1303	002	3040	CCVIS		1	200			✓		AG
1449	003	4635	MB		2			✓	✓		
1539	004	5015	0.2RLLCS		3			✓	✓		303351 AG
1629	005	4837	0.5RLLCS		4			✓	✓	AHK	303354 AG
1719	006	3544	5.0RLLCS		5			✓	✓		302596 AG
1809	007	4814	9600-11	1	6	200		✓	↑ ✓	PAD	Acr 72 R TICS ✓ C
1859	008	4076	-12		7			✓	✓		C
1949	009	5025	-13		8			✓	✓		C
2039	010	4811	-14		9			✓	✓		C
2129	011	2859	9749-02	10	10	20		✓	—		R 1:1
2219	012	4336	-03	1	11	200		✓	✓		TICS ✓ C
2309	013	5042	-04	1	12	200		✓	✓		C
2358	014	5135	9830-01	10	13	20		✓	✓		TICS ✓ C
0048	015	4460	9749-08	1	14	200		✓	✓		C
0138	016	4777	-10	10	15	20		✓	✓		C
0228	017	3521	-11		16			✓	✓		C
0318	018	3602	-12		1			✓	✓		C
0408	019	4149	-15		2			✓	✓		C
0458	020	4023	9903-10	0.4	3	500		✓	✓		
0548	021	5132	9750-05	10	4	20		✓	✓		C
0638	022	4112	-10	10	5	20		✓	✓		C
0727	023	4814	9600-11	2.90	6	69	AHK	✓	✓		TICS ✓ C
0818	024	4911	9750-11	10	7	20		✓	✓		C
0907	025	2678	-12		8			✓	✓		C
0957	026	4477	-13		9			✓	✓		C
1047	027	3040	CCVC	N/A	10	200		✓	✓		AG

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: CKQW	Start Date: 3/27/12	Time: 1036	ISTD Container ID: 248052	Instrument ID: C
Test Method: NJ-LL	End Date: 3/28/12	Time: 1036	CCV Container ID: 302572	Instrument: 5973
ICAL Date: 02/24/12			ICV/LCS Container ID: See comments	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Paul Daigle / Paul O'N PAD — Mark Phillips / Mark Phillips — Angela H. Keene / Angela H. Keene

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1036	CKQW001	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
1126	002	3040	CCVIS		1	200		↓	✓		AG
1217	003	4633	MB		2	200		✓	✓		
1307	004	5015	0.2RLLCS		3	200		✓	✓		303351 AG
1400	005	4837	0.5RLLCS		4	200		✓	✓		303354 AG
1522	006	3544	5.0RLLCS		5	200		✓	✓		302596 AG
1612	007	4261	9735-14	1	6	200		✓	✓		C
1702	008	5111	-15		7			✓	✓		C
1752	009	3289	-16		8			✓	✓		C
1842	010	2859	9749-02	1	9	200		✓	✓		TICs ✓ C
1932	011	3162	9750-14	10	10	20		✓	✓		C
2022	012	5063	-15		11			✓	✓		C
2112	013	5120	-16		12			✓	✓		C
2202	014	3369	-17		13			✓	✓		C
2252	015	5075	-18		14			✓	✓		C
2342	016	5048	9830-02	1	15	200		✓	✓		TICs ✓ C
0031	017	2596	-03	1	16	200		✓	✓		TICs ✓ C
0121	018	4872	9829-01	1	1	200		✓	✓		C
0211	019	5153	-02		2			✓	✓		C
0301	020	3686	-03		3			✓	✓		C
0351	021	3454	9880-01	1	4	200		✓	✓		C
0441	022	3017	-02	1	5	200		✓	✓		C
0531	023	4266	9953-01	1	6	200	AHK	✓	✓		C
0621	024	3526	-02	1	7	200		✓	✓		C
0711	025	3232	10015-01	1	8	200		✓	✓		C
0801	026	2601	-02	1	9	200		✓	✓		C
0851	027	2844	10036-11	0.4	10	500		✓	✓		
0940	028	3040	CCVC	NA	11	200		✓	✓		AG
—	029										PAD 3/28/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Start Date: 03/20/2012 12:13

Analysis Batch Number: 35378 End Date: 03/21/2012 10:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35378/1		03/20/2012 12:13	1	ckqr001.d	RTX-624 0.32(mm)
CCVIS 200-35378/2		03/20/2012 13:03	1	ckqr002.d	RTX-624 0.32(mm)
MB 200-35378/3		03/20/2012 14:49	1	ckqr003.d	RTX-624 0.32(mm)
LCS 200-35378/4		03/20/2012 15:39	1	ckqr004.d	RTX-624 0.32(mm)
LCS 200-35378/5		03/20/2012 16:29	1	ckqr005.d	RTX-624 0.32(mm)
LCS 200-35378/6		03/20/2012 17:19	1	ckqr006.d	RTX-624 0.32(mm)
ZZZZZ		03/20/2012 18:09	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 18:59	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 19:49	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 20:39	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 21:29	10		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 22:19	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 23:09	1		RTX-624 0.32(mm)
ZZZZZ		03/20/2012 23:58	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 00:48	1		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 01:38	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 02:28	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 03:18	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 04:08	10		RTX-624 0.32(mm)
ZZZZZ		03/21/2012 04:58	0.4		RTX-624 0.32(mm)
200-9750-5	BLDG699 SS-6	03/21/2012 05:48	10	ckqr021.d	RTX-624 0.32(mm)
200-9750-10	BLDG699 SS-7	03/21/2012 06:38	10	ckqr022.d	RTX-624 0.32(mm)
ZZZZZ		03/21/2012 07:27	2.9		RTX-624 0.32(mm)
200-9750-11	BLDG700 SS-8	03/21/2012 08:18	10	ckqr024.d	RTX-624 0.32(mm)
200-9750-12	BLDG700 SS-9	03/21/2012 09:07	10	ckqr025.d	RTX-624 0.32(mm)
200-9750-13	BLDG700 SS-10	03/21/2012 09:57	10	ckqr026.d	RTX-624 0.32(mm)
CCVC 200-35378/27		03/21/2012 10:47	1	ckqr027.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: C.i Start Date: 03/27/2012 10:36

Analysis Batch Number: 35786 End Date: 03/28/2012 09:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35786/1		03/27/2012 10:36	1	ckqw001.d	RTX-624 0.32(mm)
CCVIS 200-35786/2		03/27/2012 11:26	1	ckqw002.d	RTX-624 0.32(mm)
MB 200-35786/3		03/27/2012 12:17	1	ckqw003.d	RTX-624 0.32(mm)
LCS 200-35786/4		03/27/2012 13:07	1	ckqw004.d	RTX-624 0.32(mm)
LCS 200-35786/5		03/27/2012 14:00	1	ckqw005.d	RTX-624 0.32(mm)
LCS 200-35786/6		03/27/2012 15:22	1	ckqw006.d	RTX-624 0.32(mm)
ZZZZZ		03/27/2012 16:12	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 17:02	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 17:52	1		RTX-624 0.32(mm)
ZZZZZ		03/27/2012 18:42	1		RTX-624 0.32(mm)
200-9750-14	SS-DUP-1	03/27/2012 19:32	10	ckqw011.d	RTX-624 0.32(mm)
200-9750-15	BLDG2700 SS-13	03/27/2012 20:22	10	ckqw012.d	RTX-624 0.32(mm)
200-9750-16	BLDG2700 SS-14	03/27/2012 21:12	10	ckqw013.d	RTX-624 0.32(mm)
200-9750-17	BLDG2700 SS-15	03/27/2012 22:02	10	ckqw014.d	RTX-624 0.32(mm)
200-9750-18	SS-DUP-2	03/27/2012 22:52	10	ckqw015.d	RTX-624 0.32(mm)
ZZZZZ		03/27/2012 23:42	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 00:31	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 01:21	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 02:11	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 03:01	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 03:51	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 04:41	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 05:31	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 06:21	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 07:11	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 08:01	1		RTX-624 0.32(mm)
ZZZZZ		03/28/2012 08:51	0.4		RTX-624 0.32(mm)
CCVC 200-35786/28		03/28/2012 09:40	1	ckqw028.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: G.i Start Date: 03/02/2012 14:16

Analysis Batch Number: 34489 End Date: 03/03/2012 03:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34489/1		03/02/2012 14:16	1	ggh001.d	RTX-624 0.32(mm)
VIBLK 200-34489/2		03/02/2012 15:05	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 15:54	1		RTX-624 0.32(mm)
IC 200-34489/4		03/02/2012 16:43	1	ggh004.d	RTX-624 0.32(mm)
ZZZZZ		03/02/2012 17:33	1		RTX-624 0.32(mm)
IC 200-34489/6		03/02/2012 18:22	1	ggh006.d	RTX-624 0.32(mm)
IC 200-34489/7		03/02/2012 19:11	1	ggh007.d	RTX-624 0.32(mm)
ICIS 200-34489/8		03/02/2012 20:00	1	ggh008.d	RTX-624 0.32(mm)
IC 200-34489/9		03/02/2012 20:48	1	ggh009.d	RTX-624 0.32(mm)
IC 200-34489/10		03/02/2012 21:37	1	ggh010.d	RTX-624 0.32(mm)
IC 200-34489/11		03/02/2012 22:27	1	ggh011.d	RTX-624 0.32(mm)
VIBLK 200-34489/12		03/02/2012 23:16	1		RTX-624 0.32(mm)
VIBLK 200-34489/13		03/03/2012 00:04	1		RTX-624 0.32(mm)
ZZZZZ		03/03/2012 00:53	1		RTX-624 0.32(mm)
VIBLK 200-34489/15		03/03/2012 01:42	1		RTX-624 0.32(mm)
ICV 200-34489/16		03/03/2012 02:31	1	ggh016.d	RTX-624 0.32(mm)
VIBLK 200-34489/17		03/03/2012 03:20	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9750-1

SDG No.: 200-9750-1

Instrument ID: G.i Start Date: 03/13/2012 10:00

Analysis Batch Number: 34961 End Date: 03/14/2012 05:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34961/1		03/13/2012 10:00	1	gghh001.d	RTX-624 0.32(mm)
CCVIS 200-34961/2		03/13/2012 10:50	1	gghh002.d	RTX-624 0.32(mm)
MB 200-34961/3		03/13/2012 11:44	1	gghh003.d	RTX-624 0.32(mm)
LCS 200-34961/4		03/13/2012 12:33	1	gghh004.d	RTX-624 0.32(mm)
LCS 200-34961/5		03/13/2012 13:22	1	gghh005.d	RTX-624 0.32(mm)
LCS 200-34961/6		03/13/2012 14:13	1	gghh006.d	RTX-624 0.32(mm)
ZZZZZ		03/13/2012 15:05	0.4		RTX-624 0.32(mm)
200-9750-1	BLDG700 IA-6	03/13/2012 16:02	1	gghh008.d	RTX-624 0.32(mm)
200-9750-2	BLDG2700 IA-8	03/13/2012 16:51	1	gghh009.d	RTX-624 0.32(mm)
200-9750-3	BLDG2700 IA-9	03/13/2012 17:40	1	gghh010.d	RTX-624 0.32(mm)
200-9750-4	BLDG2700 AA-5	03/13/2012 18:29	1	gghh011.d	RTX-624 0.32(mm)
200-9750-6	IA-DUP-1	03/13/2012 19:19	1	gghh012.d	RTX-624 0.32(mm)
200-9750-7	IA-DUP-2	03/13/2012 20:08	1	gghh013.d	RTX-624 0.32(mm)
200-9750-8	AA-DUP-1	03/13/2012 20:57	1	gghh014.d	RTX-624 0.32(mm)
200-9750-9	AA-DUP-2	03/13/2012 21:46	1	gghh015.d	RTX-624 0.32(mm)
ZZZZZ		03/13/2012 22:35	1		RTX-624 0.32(mm)
ZZZZZ		03/13/2012 23:23	10		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 00:12	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 01:01	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 01:50	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 02:39	1		RTX-624 0.32(mm)
ZZZZZ		03/14/2012 03:28	1		RTX-624 0.32(mm)
CCVC 200-34961/23		03/14/2012 04:17	1	gghh023.d	RTX-624 0.32(mm)
CCVC 200-34961/24		03/14/2012 05:05	1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
BUREAU VERITAS	9750	3/12/12	2117	29.5	22	61	MA

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	5096	-4.5	N	5226	Y	3620 CKQE	24hr 48/p69
2	4094	-4.1	"	3064		5045 CKQD	24hr 48/p64
3	4321	0.8	"	4986		"	"
4	2585	-4.1	N	4761		4872 CKQC	24hr 48/p69
5	5132	-3.1	"	5321		3459 CKQE	200mL
6	4129	-3.8	"	4522		3620 CKQE	24hr 48/p69
7	3866	-2.4	"	3451		5045 CKQD	"
8	3025	-1.0	"	3107		3620 CKQE	
9	4909	0.7				"	
10	4112	0.0	N	5316		3459 CKQE	200mL
11	4911	-2.2	"	4976		"	"
12	2678	-4.9	"	4585		3459 CKQE	"
13	4477	0.0	"	4595		"	"
14	3162	-4.1	"	4611		"	"
15	5063	-13.5				"	
16	5120	-3.3	N	4691		"	200mL
17	3369	-1.2	"			3620 CKQE	
18	5075	-11.1				3459 CKQE	
						MP 3/12/12	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 48/p64, p69

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TO15	5	2/27/12	VP	6L	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2859	-29.3	-28.9	-28.9	0.0
2	4872				
3	5136				
4	7784				
5	4777				
6	5083				
7	5042				
8	2585				
9	3602				
10	4281				
11	5157				
12	4149				

Initial Reading		Final Reading	
Gauge ID:	G1	Gauge ID:	G1
Date:	2/27/12	Date:	3/1/12
Time:	1500	Time:	1130
Tech:	VP	Tech:	SW
BP:	29.5 ("Hg)	BP:	29.1 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☒ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
4872	2/28/12	CLQC	AHK				X		03/01/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Cert can for NJ Lab

200-9496-A-2

4372

BR-1 Test

Location: Air-Storage

Bottle: Summa Canister 6L

Sampled: 2/27/2012 12:00 AM 200-294314

Loc: 200

9496

#2

A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test											
System ID			# Cycles		Cleaning Date		Technician		Canister Size		
OVEN			25		2/28/12		SML		(6L)	1L	3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: G1	Gauge ID: G1
1	4321	-29.5	-28.9	-28.9	0.0	Date: 2/29/12	Date: 3/1/12
2	5089	↓	↓	↓	↓	Time: 1030	Time: 1130
3	3273					Tech: SL	Tech: SL
4	5045					BP: 29.7 ("Hg)	BP: 29.1 ("Hg)
5	3866					Temp 22 (°C)	Temp: 22 (°C)
6	5028					[3]Acceptance Criteria:	
7	3521					(1) The difference must be less than or equal to + 0.5	
8	4094					(2) Pressure readings must be at least 24 hours apart.	
9	2567					If time frame was not met, the PM must authorize shipment of canister:	
10	2879					*PM Authorization:*	
11	4835						
12	4460	↓	↓	↓	↓	Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory											
Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
5045	2/29/12	CKQD	WRD				✓		03/02/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Please Cert For NJ TO15 L.L.

200-9518-A-4
5045
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/28/2012 12:00 AM 200-294801

Loc: 200
9518
#4
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test											
System ID			# Cycles		Cleaning Date		Technician		Canister Size		
Bottom			20		2/29/12		MP		6L	1L	3L

		Leak Test					
		Initial[1]	Final	Adjusted Initial[2]		Initial Reading	Final Reading
Port	Can ID	("Hg)	("Hg)	("Hg)	Difference[3]	Gauge ID: G1	Gauge ID: G1
1	3162	-28.9	-29.1	-29.1	0.0	Date: 3/1/12	Date: 3/2/12
2	5075					Time: 0900	Time: 1000
3	2678					Tech: MP	Tech: a
4	4477					BP: 29.1 ("Hg)	BP: 29.3 ("Hg)
5	5120					Temp 22 (°C)	Temp: 22 (°C)
6	4112					[3]Acceptance Criteria:	
7	4070					(1) The difference must be less than or equal to + 0.5	
8	3459					(2) Pressure readings must be at least 24 hours apart.	
9	5132					If time frame was not met, the PM must authorize shipment of canister:	
10	4911					*PM Authorization:*	
11	3081						
12	5063					Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

				Inventory Level					Secondary Review	
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
3459	3/2/12	CKQE	WRD				✓		03/05/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

TO15 AV.5

200-9523-A-8
3459
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/29/2012 12:00 AM 200-295023

Loc: 200
9523
#8
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
OVEN	30	2/29/12	VP	6L	1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading
						Gauge ID: G-1	Gauge ID: G-1
1	3455	-28.9	-29.1	-29.1	0.0	Date: 3/1/12	Date: 3/2/12
2	3620					Time: 1100	Time: 1100
3	4068					Tech: VP	Tech: VP
4	4909					BP: 29.1 ("Hg)	BP: 29.3 ("Hg)
5	2592					Temp 22 (°C)	Temp: 22 (°C)
6	5054					[3]Acceptance Criteria:	
7	5696					(1) The difference must be less than or equal to + 0.5	
8	3213					(2) Pressure readings must be at least 24 hours apart.	
9	4129					If time frame was not met, the PM must authorize shipment of canister:	
10	3369					*PM Authorization:*	
11	3028						
12	3025	—	↓	↓	↓	Signature	Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3620	3/2/12	CKQE	WRD				✓		03/05/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-9525-A-2
3620
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 2/29/2012 12:00 AM 200-295035

Loc: 200
9525
#2
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.253 J	126	60-140	
Vinyl chloride	0.200	0.248 J	124	60-140	
1,3-Butadiene	0.200	0.235 J	117	60-140	
Bromomethane	0.200	0.241 J	120	60-140	
Vinyl bromide	0.200	0.221 J	110	60-140	
Trichlorofluoromethane	0.200	0.249 J	124	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.232 J	116	60-140	
1,1-Dichloroethene	0.200	0.244 J	121	60-140	
Allyl chloride	0.200	0.242 J	121	60-140	
Methyl tert-butyl ether	0.200	0.251 J	125	60-140	
1,2-Dichloroethene, trans-	0.200	0.248 J	124	60-140	
n-Hexane	0.200	0.316 J	158	60-140	*
1,1-Dichloroethane	0.200	0.260 J	130	60-140	
1,2-Dichloroethene, cis-	0.200	0.278 J	139	60-140	
Chloroform	0.200	0.261 J	130	60-140	
1,1,1-Trichloroethane	0.200	0.257 J	128	60-140	
Cyclohexane	0.200	0.236 J	118	60-140	
Carbon tetrachloride	0.200	0.231 J	115	60-140	
2,2,4-Trimethylpentane	0.200	0.255 J	127	60-140	
Benzene	0.200	0.249 J	124	60-140	
1,2-Dichloroethane	0.200	0.258 J	129	60-140	
n-Heptane	0.200	0.299 J	149	60-140	*
Trichloroethene	0.200	0.237 J	118	60-140	
1,2-Dichloropropane	0.200	0.267 J	133	60-140	
Bromodichloromethane	0.200	0.223 J	111	60-140	
1,3-Dichloropropene, cis-	0.200	0.247 J	123	60-140	
Toluene	0.200	0.237 J	118	60-140	
1,3-Dichloropropene, trans-	0.200	0.243 J	121	60-140	
1,1,2-Trichloroethane	0.200	0.238 J	119	60-140	
Tetrachloroethene	0.200	0.183 J	91	60-140	
Dibromochloromethane	0.200	0.180 J	90	60-140	
1,2-Dibromoethane	0.200	0.205 J	102	60-140	
Chlorobenzene	0.200	0.217 J	108	60-140	
Ethylbenzene	0.200	0.225 J	112	60-140	
m-Xylene & p-Xylene	0.401	0.397 J	99	60-140	
o-Xylene	0.200	0.210 J	105	60-140	
Styrene	0.200	0.180 J	90	60-140	
Bromoform	0.200	0.158 J	79	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.225 J	112	60-140	
4-Ethyltoluene	0.200	0.186 J	93	60-140	
1,3,5-Trimethylbenzene	0.200	0.195 J	97	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc005.d

Lab ID: LCS 200-34272/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.211 J	105	60-140	
1,2,4-Trimethylbenzene	0.200	0.182 J	91	60-140	
1,3-Dichlorobenzene	0.200	0.186 J	93	60-140	
1,4-Dichlorobenzene	0.200	0.191 J	95	60-140	
1,2-Dichlorobenzene	0.200	0.193 J	96	60-140	
Hexachlorobutadiene	0.200	0.203 J	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc006.d

Lab ID: LCS 200-34272/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.649 J	130	60-140	
Chloromethane	0.500	0.689 J	138	60-140	
Chloroethane	0.500	0.581 J	116	60-140	
Carbon disulfide	0.500	0.545 J	109	60-140	
Methylene Chloride	0.500	0.672 J	134	60-140	
Methyl Ethyl Ketone	0.500	0.717 J	143	60-140	*
Methyl methacrylate	0.500	0.535 J	107	60-140	
methyl isobutyl ketone	0.500	0.604 J	121	60-140	
1,2,4-Trichlorobenzene	0.500	0.365 J	73	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqc007.d

Lab ID: LCS 200-34272/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.90	138	60-140	
Isopropanol	4.99	5.81 J	116	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.43	129	60-140	
1,4-Dioxane	4.99	5.16	103	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd004.d

Lab ID: LCS 200-34324/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.208 J	104	60-140	
Vinyl chloride	0.200	0.203 J	101	60-140	
1,3-Butadiene	0.200	0.194 J	97	60-140	
Bromomethane	0.200	0.210 J	105	60-140	
Vinyl bromide	0.200	0.193 J	96	60-140	
Trichlorofluoromethane	0.200	0.215 J	107	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.208 J	104	60-140	
1,1-Dichloroethene	0.200	0.218 J	109	60-140	
Allyl chloride	0.200	0.213 J	106	60-140	
Methyl tert-butyl ether	0.200	0.223 J	111	60-140	
1,2-Dichloroethene, trans-	0.200	0.206 J	103	60-140	
n-Hexane	0.200	0.259 J	129	60-140	
1,1-Dichloroethane	0.200	0.215 J	107	60-140	
1,2-Dichloroethene, cis-	0.200	0.215 J	107	60-140	
Chloroform	0.200	0.213 J	106	60-140	
1,1,1-Trichloroethane	0.200	0.199 J	99	60-140	
Cyclohexane	0.200	0.188 J	94	60-140	
Carbon tetrachloride	0.200	0.195 J	97	60-140	
2,2,4-Trimethylpentane	0.200	0.195 J	98	60-140	
Benzene	0.200	0.211 J	105	60-140	
1,2-Dichloroethane	0.200	0.204 J	102	60-140	
n-Heptane	0.200	0.246 J	123	60-140	
Trichloroethene	0.200	0.188 J	94	60-140	
1,2-Dichloropropane	0.200	0.204 J	102	60-140	
Bromodichloromethane	0.200	0.181 J	91	60-140	
1,3-Dichloropropene, cis-	0.200	0.190 J	95	60-140	
Toluene	0.200	0.199 J	99	60-140	
1,3-Dichloropropene, trans-	0.200	0.200 J	100	60-140	
1,1,2-Trichloroethane	0.200	0.188 J	94	60-140	
Tetrachloroethene	0.200	0.154 J	77	60-140	
Dibromochloromethane	0.200	0.147 J	73	60-140	
1,2-Dibromoethane	0.200	0.170 J	85	60-140	
Chlorobenzene	0.200	0.179 J	89	60-140	
Ethylbenzene	0.200	0.185 J	93	60-140	
m-Xylene & p-Xylene	0.401	0.338 J	84	60-140	
o-Xylene	0.200	0.175 J	87	60-140	
Styrene	0.200	0.147 J	73	60-140	
Bromoform	0.200	0.138 J	69	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.190 J	95	60-140	
4-Ethyltoluene	0.200	0.153 J	76	60-140	
1,3,5-Trimethylbenzene	0.200	0.164 J	82	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd004.d

Lab ID: LCS 200-34324/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.173 J	86	60-140	
1,2,4-Trimethylbenzene	0.200	0.167 J	83	60-140	
1,3-Dichlorobenzene	0.200	0.162 J	81	60-140	
1,4-Dichlorobenzene	0.200	0.164 J	82	60-140	
1,2-Dichlorobenzene	0.200	0.157 J	78	60-140	
Hexachlorobutadiene	0.200	0.176 J	88	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd005.d

Lab ID: LCS 200-34324/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.632 J	126	60-140	
Chloromethane	0.500	0.670 J	134	60-140	
Chloroethane	0.500	0.573 J	114	60-140	
Carbon disulfide	0.500	0.543 J	109	60-140	
Methylene Chloride	0.500	0.666 J	133	60-140	
Methyl Ethyl Ketone	0.500	0.693 J	138	60-140	
Methyl methacrylate	0.500	0.496 J	99	60-140	
methyl isobutyl ketone	0.500	0.553 J	111	60-140	
1,2,4-Trichlorobenzene	0.500	0.417 J	83	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqd006.d

Lab ID: LCS 200-34324/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.61	132	60-140	
Isopropanol	4.99	5.41 J	108	60-140	
tert-Butyl alcohol	4.99	5.50	110	60-140	
Tetrahydrofuran	4.99	6.05	121	60-140	
1,4-Dioxane	4.99	4.74 J	95	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.210 J	105	60-140	
Vinyl chloride	0.200	0.199 J	99	60-140	
1,3-Butadiene	0.200	0.199 J	99	60-140	
Bromomethane	0.200	0.223 J	111	60-140	
Vinyl bromide	0.200	0.193 J	96	60-140	
Trichlorofluoromethane	0.200	0.230 J	115	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.207 J	103	60-140	
1,1-Dichloroethene	0.200	0.207 J	103	60-140	
Allyl chloride	0.200	0.165 J	82	60-140	
Methyl tert-butyl ether	0.200	0.224 J	112	60-140	
1,2-Dichloroethene, trans-	0.200	0.204 J	102	60-140	
n-Hexane	0.200	0.265 J	132	60-140	
1,1-Dichloroethane	0.200	0.210 J	105	60-140	
1,2-Dichloroethene, cis-	0.200	0.227 J	113	60-140	
Chloroform	0.200	0.213 J	106	60-140	
1,1,1-Trichloroethane	0.200	0.213 J	106	60-140	
Cyclohexane	0.200	0.219 J	109	60-140	
Carbon tetrachloride	0.200	0.197 J	98	60-140	
2,2,4-Trimethylpentane	0.200	0.202 J	101	60-140	
Benzene	0.200	0.217 J	108	60-140	
1,2-Dichloroethane	0.200	0.211 J	105	60-140	
n-Heptane	0.200	0.248 J	124	60-140	
Trichloroethene	0.200	0.187 J	94	60-140	
1,2-Dichloropropane	0.200	0.206 J	103	60-140	
Bromodichloromethane	0.200	0.181 J	90	60-140	
1,3-Dichloropropene, cis-	0.200	0.204 J	102	60-140	
Toluene	0.200	0.206 J	103	60-140	
1,3-Dichloropropene, trans-	0.200	0.203 J	102	60-140	
1,1,2-Trichloroethane	0.200	0.193 J	96	60-140	
Tetrachloroethene	0.200	0.160 J	80	60-140	
Dibromochloromethane	0.200	0.158 J	79	60-140	
1,2-Dibromoethane	0.200	0.165 J	83	60-140	
Chlorobenzene	0.200	0.187 J	93	60-140	
Ethylbenzene	0.200	0.195 J	97	60-140	
m-Xylene & p-Xylene	0.401	0.346 J	86	60-140	
o-Xylene	0.200	0.177 J	88	60-140	
Styrene	0.200	0.148 J	74	60-140	
Bromoform	0.200	0.135 J	67	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.188 J	94	60-140	
4-Ethyltoluene	0.200	0.167 J	83	60-140	
1,3,5-Trimethylbenzene	0.200	0.167 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.195 J	97	60-140	
1,2,4-Trimethylbenzene	0.200	0.174 J	87	60-140	
1,3-Dichlorobenzene	0.200	0.174 J	87	60-140	
1,4-Dichlorobenzene	0.200	0.172 J	86	60-140	
1,2-Dichlorobenzene	0.200	0.174 J	87	60-140	
Hexachlorobutadiene	0.200	0.190 J	95	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe005.d

Lab ID: LCS 200-34384/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.658 J	131	60-140	
Chloromethane	0.500	0.657 J	131	60-140	
Chloroethane	0.500	0.574 J	115	60-140	
Carbon disulfide	0.500	0.561 J	112	60-140	
Methylene Chloride	0.500	0.691 J	138	60-140	
Methyl Ethyl Ketone	0.500	0.742 J	148	60-140	*
Methyl methacrylate	0.500	0.525 J	105	60-140	
methyl isobutyl ketone	0.500	0.588 J	117	60-140	
1,2,4-Trichlorobenzene	0.500	0.421 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe006.d

Lab ID: LCS 200-34384/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.84	137	60-140	
Isopropanol	4.99	5.95 J	119	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.25	125	60-140	
1,4-Dioxane	4.99	5.48	110	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.210 J	105	60-140	
Vinyl chloride	0.200	0.199 J	99	60-140	
1,3-Butadiene	0.200	0.199 J	99	60-140	
Bromomethane	0.200	0.223 J	111	60-140	
Vinyl bromide	0.200	0.193 J	96	60-140	
Trichlorofluoromethane	0.200	0.230 J	115	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.207 J	103	60-140	
1,1-Dichloroethene	0.200	0.207 J	103	60-140	
Allyl chloride	0.200	0.165 J	82	60-140	
Methyl tert-butyl ether	0.200	0.224 J	112	60-140	
1,2-Dichloroethene, trans-	0.200	0.204 J	102	60-140	
n-Hexane	0.200	0.265 J	132	60-140	
1,1-Dichloroethane	0.200	0.210 J	105	60-140	
1,2-Dichloroethene, cis-	0.200	0.227 J	113	60-140	
Chloroform	0.200	0.213 J	106	60-140	
1,1,1-Trichloroethane	0.200	0.213 J	106	60-140	
Cyclohexane	0.200	0.219 J	109	60-140	
Carbon tetrachloride	0.200	0.197 J	98	60-140	
2,2,4-Trimethylpentane	0.200	0.202 J	101	60-140	
Benzene	0.200	0.217 J	108	60-140	
1,2-Dichloroethane	0.200	0.211 J	105	60-140	
n-Heptane	0.200	0.248 J	124	60-140	
Trichloroethene	0.200	0.187 J	94	60-140	
1,2-Dichloropropane	0.200	0.206 J	103	60-140	
Bromodichloromethane	0.200	0.181 J	90	60-140	
1,3-Dichloropropene, cis-	0.200	0.204 J	102	60-140	
Toluene	0.200	0.206 J	103	60-140	
1,3-Dichloropropene, trans-	0.200	0.203 J	102	60-140	
1,1,2-Trichloroethane	0.200	0.193 J	96	60-140	
Tetrachloroethene	0.200	0.160 J	80	60-140	
Dibromochloromethane	0.200	0.158 J	79	60-140	
1,2-Dibromoethane	0.200	0.165 J	83	60-140	
Chlorobenzene	0.200	0.187 J	93	60-140	
Ethylbenzene	0.200	0.195 J	97	60-140	
m-Xylene & p-Xylene	0.401	0.346 J	86	60-140	
o-Xylene	0.200	0.177 J	88	60-140	
Styrene	0.200	0.148 J	74	60-140	
Bromoform	0.200	0.135 J	67	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.188 J	94	60-140	
4-Ethyltoluene	0.200	0.167 J	83	60-140	
1,3,5-Trimethylbenzene	0.200	0.167 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe004.d

Lab ID: LCS 200-34384/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.195 J	97	60-140	
1,2,4-Trimethylbenzene	0.200	0.174 J	87	60-140	
1,3-Dichlorobenzene	0.200	0.174 J	87	60-140	
1,4-Dichlorobenzene	0.200	0.172 J	86	60-140	
1,2-Dichlorobenzene	0.200	0.174 J	87	60-140	
Hexachlorobutadiene	0.200	0.190 J	95	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe005.d

Lab ID: LCS 200-34384/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.658 J	131	60-140	
Chloromethane	0.500	0.657 J	131	60-140	
Chloroethane	0.500	0.574 J	115	60-140	
Carbon disulfide	0.500	0.561 J	112	60-140	
Methylene Chloride	0.500	0.691 J	138	60-140	
Methyl Ethyl Ketone	0.500	0.742 J	148	60-140	*
Methyl methacrylate	0.500	0.525 J	105	60-140	
methyl isobutyl ketone	0.500	0.588 J	117	60-140	
1,2,4-Trichlorobenzene	0.500	0.421 J	84	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqe006.d

Lab ID: LCS 200-34384/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.84	137	60-140	
Isopropanol	4.99	5.95 J	119	60-140	
tert-Butyl alcohol	4.99	5.73	115	60-140	
Tetrahydrofuran	4.99	6.25	125	60-140	
1,4-Dioxane	4.99	5.48	110	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckqc003.d Lab Sample ID: MB 200-34272/3

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

Instrument ID: C.i Date Analyzed: 02/28/2012 10:47

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34272/5	ckqc005.d	02/28/2012 12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012 13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012 14:08
4872	200-9496-2	ckqc009.d	02/28/2012 15:48

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34272/3

Matrix: Air Lab File ID: ckqc003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/28/2012 10:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqcto15.b/ckqc003.d
Lab Smp Id: mb
Inj Date : 28-FEB-2012 10:47
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
23	Allyl chloride	41	Compound Not Detected.						
25	Methylene chloride	49	Compound Not Detected.						
26	Tert-butyl alcohol	59	Compound Not Detected.						
27	Methyl tert-butyl ether	73	Compound Not Detected.						
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.						
30	n-Hexane	57	Compound Not Detected.						
31	1,1-Dichloroethane	63	Compound Not Detected.						
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.						
36	Methyl Ethyl Ketone	72	Compound Not Detected.						
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	425229	10.0000		(Q)
38	Tetrahydrofuran	42	Compound Not Detected.						
39	Chloroform	83	Compound Not Detected.						
40	Cyclohexane	84	Compound Not Detected.						
41	1,1,1-Trichloroethane	97	Compound Not Detected.						
42	Carbon tetrachloride	117	Compound Not Detected.						
43	2,2,4-Trimethylpentane	57	Compound Not Detected.						
44	Benzene	78	Compound Not Detected.						
45	1,2-Dichloroethane	62	Compound Not Detected.						
46	n-Heptane	43	Compound Not Detected.						
* 47	1,4-Difluorobenzene	114	12.406	12.417	(1.000)	2600656	10.0000		
49	Trichloroethene	95	Compound Not Detected.						
50	1,2-Dichloropropane	63	Compound Not Detected.						
51	Methyl methacrylate	69	Compound Not Detected.						
53	1,4-Dioxane	88	Compound Not Detected.						
54	Bromodichloromethane	83	Compound Not Detected.						
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.						
56	Methyl isobutyl ketone	43	Compound Not Detected.						
58	Toluene	92	Compound Not Detected.						
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.						
60	1,1,2-Trichloroethane	83	Compound Not Detected.						
61	Tetrachloroethene	166	Compound Not Detected.						
63	Dibromochloromethane	129	Compound Not Detected.						
64	1,2-Dibromoethane	107	Compound Not Detected.						
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2303489	10.0000		
66	Chlorobenzene	112	Compound Not Detected.						
68	Ethylbenzene	91	Compound Not Detected.						
69	Xylene (m,p)	106	Compound Not Detected.						
71	Xylene (o)	106	Compound Not Detected.						
72	Styrene	104	Compound Not Detected.						
73	Bromoform	173	Compound Not Detected.						
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
79	4-Ethyltoluene	105	Compound Not Detected.						
80	2-Chlorotoluene	91	Compound Not Detected.						
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.						
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.						
87	1,3-Dichlorobenzene	146	Compound Not Detected.						
88	1,4-Dichlorobenzene	146	Compound Not Detected.						

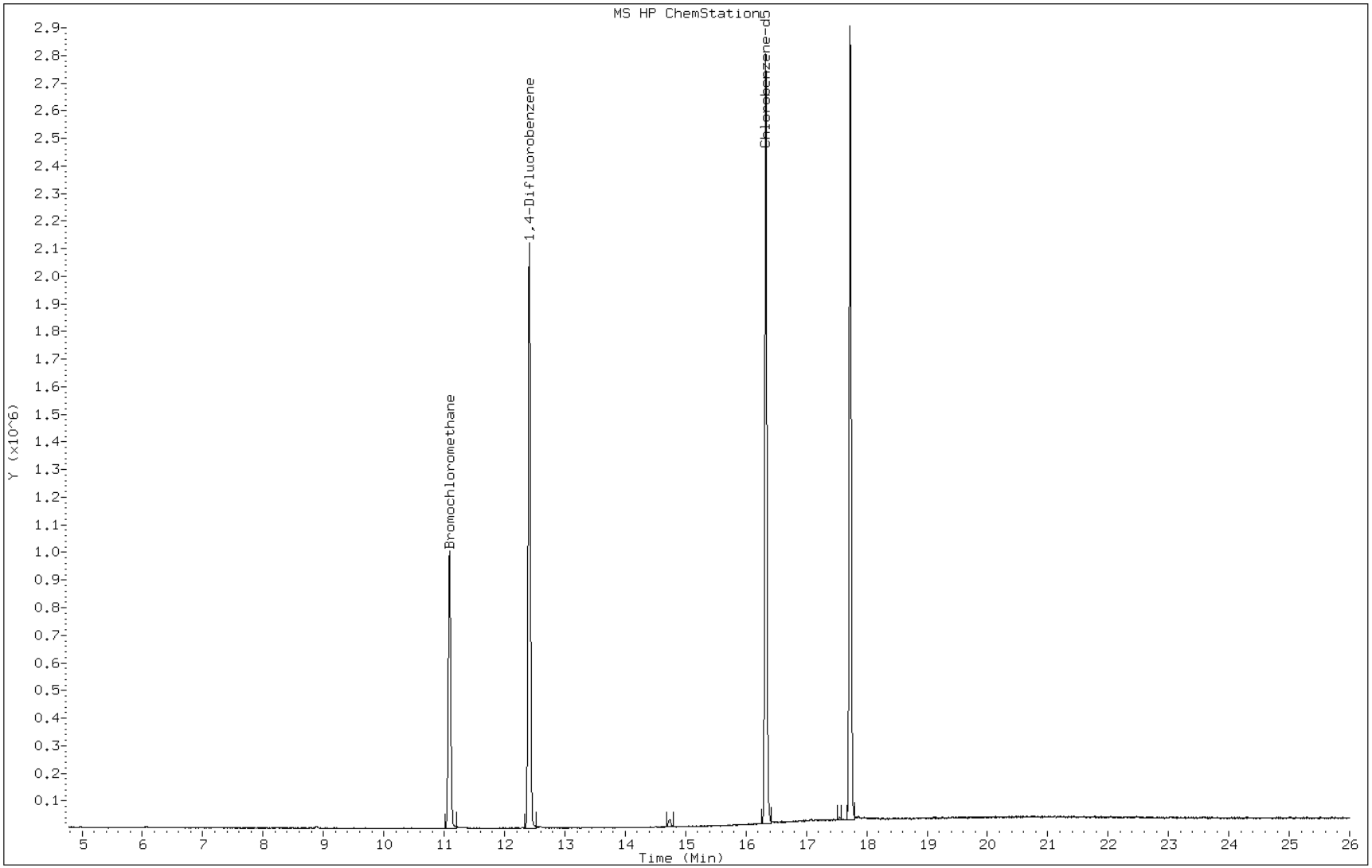
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: ckqc003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 28-FEB-2012 10:47
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckqd003.d Lab Sample ID: MB 200-34324/3

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

Instrument ID: C.i Date Analyzed: 02/29/2012 11:55

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34324/4	ckqd004.d	02/29/2012 12:45
	LCS 200-34324/5	ckqd005.d	02/29/2012 13:35
	LCS 200-34324/6	ckqd006.d	02/29/2012 14:25
5045	200-9518-4	ckqd007.d	02/29/2012 15:15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34324/3

Matrix: Air Lab File ID: ckqd003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/29/2012 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34324/3

Matrix: Air Lab File ID: ckqd003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 02/29/2012 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqdto15.b/ckqd003.d
Lab Smp Id: mb
Inj Date : 29-FEB-2012 11:55
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqdto15.b/TO15v5NJ.m
Meth Date : 01-Mar-2012 10:05 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

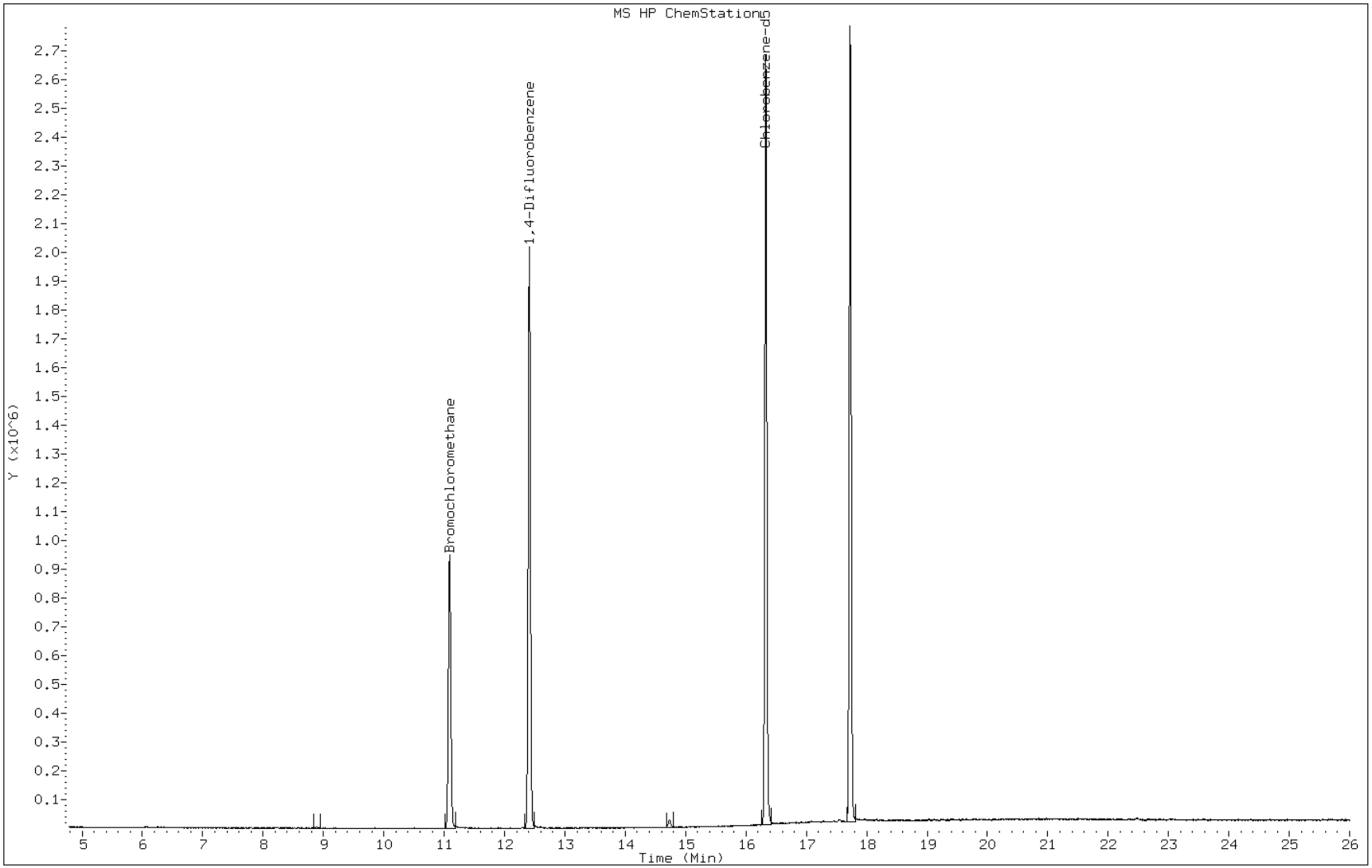
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	398610	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2432861	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2181095	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqd003.d	Date:	29-FEB-2012 11:55
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab File ID: ckqe003.d Lab Sample ID: MB 200-34384/3

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

Instrument ID: C.i Date Analyzed: 03/01/2012 11:51

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34384/4	ckqe004.d	03/01/2012 12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012 13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012 14:22
3459	200-9523-8	ckqe007.d	03/01/2012 15:12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-9523-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-34384/3

Matrix: Air | Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 34384 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34384/3

Matrix: Air Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqeto15.b/ckqe003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 01-MAR-2012 11:51
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 05-Mar-2012 08:45 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

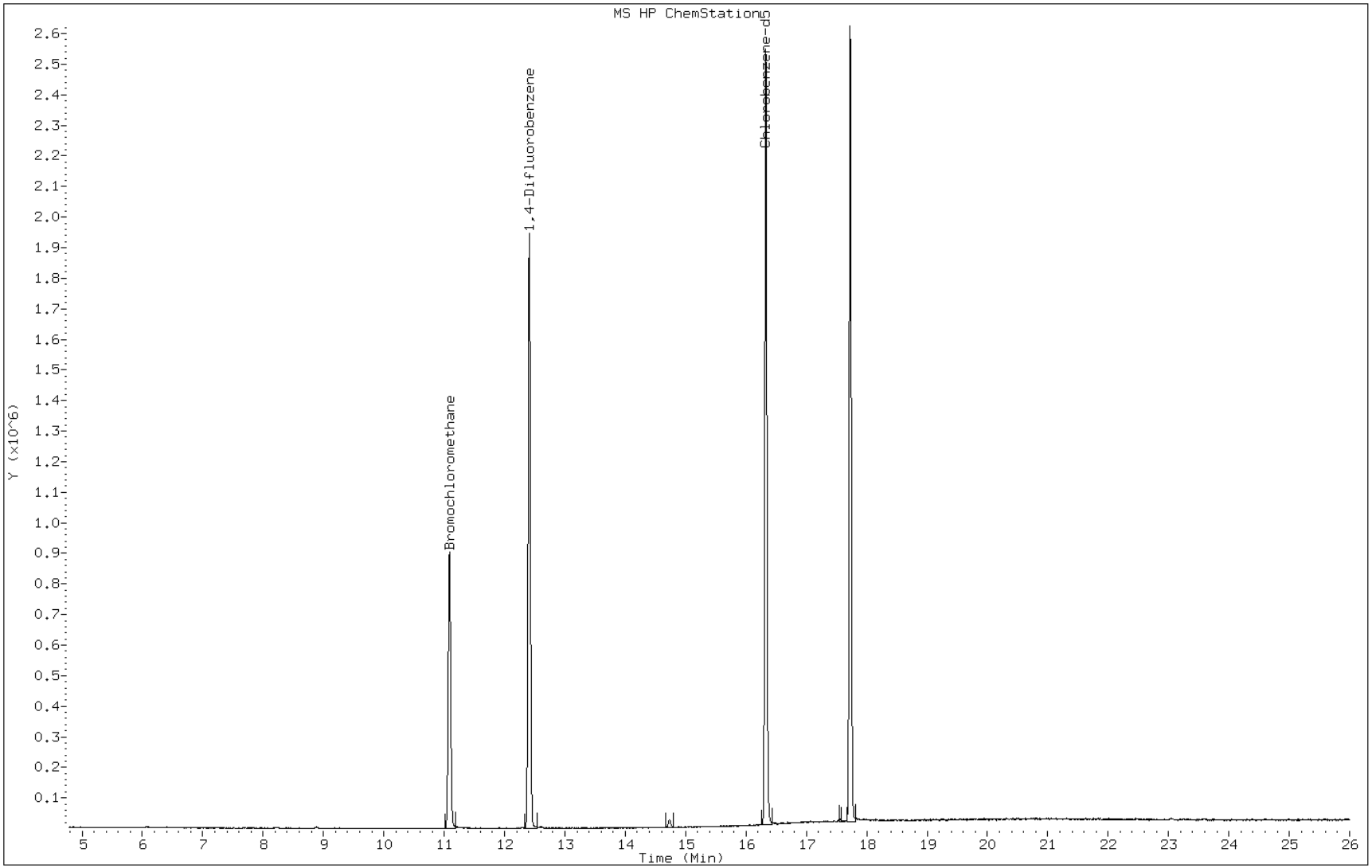
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.088	11.098	(1.000)	383227	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2339666	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.329	16.339	(1.000)	2072362	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqe003.d	Date:	01-MAR-2012 11:51
Client ID:	mb	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckqe003.d Lab Sample ID: MB 200-34384/3

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

Instrument ID: C.i Date Analyzed: 03/01/2012 11:51

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-34384/4	ckqe004.d	03/01/2012 12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012 13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012 14:22
3620	200-9525-2	ckqe008.d	03/01/2012 16:02

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34384/3

Matrix: Air Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-34384/3

Matrix: Air Lab File ID: ckqe003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/01/2012 11:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqeto15.b/ckqe003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 01-MAR-2012 11:51
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 05-Mar-2012 08:45 klp Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

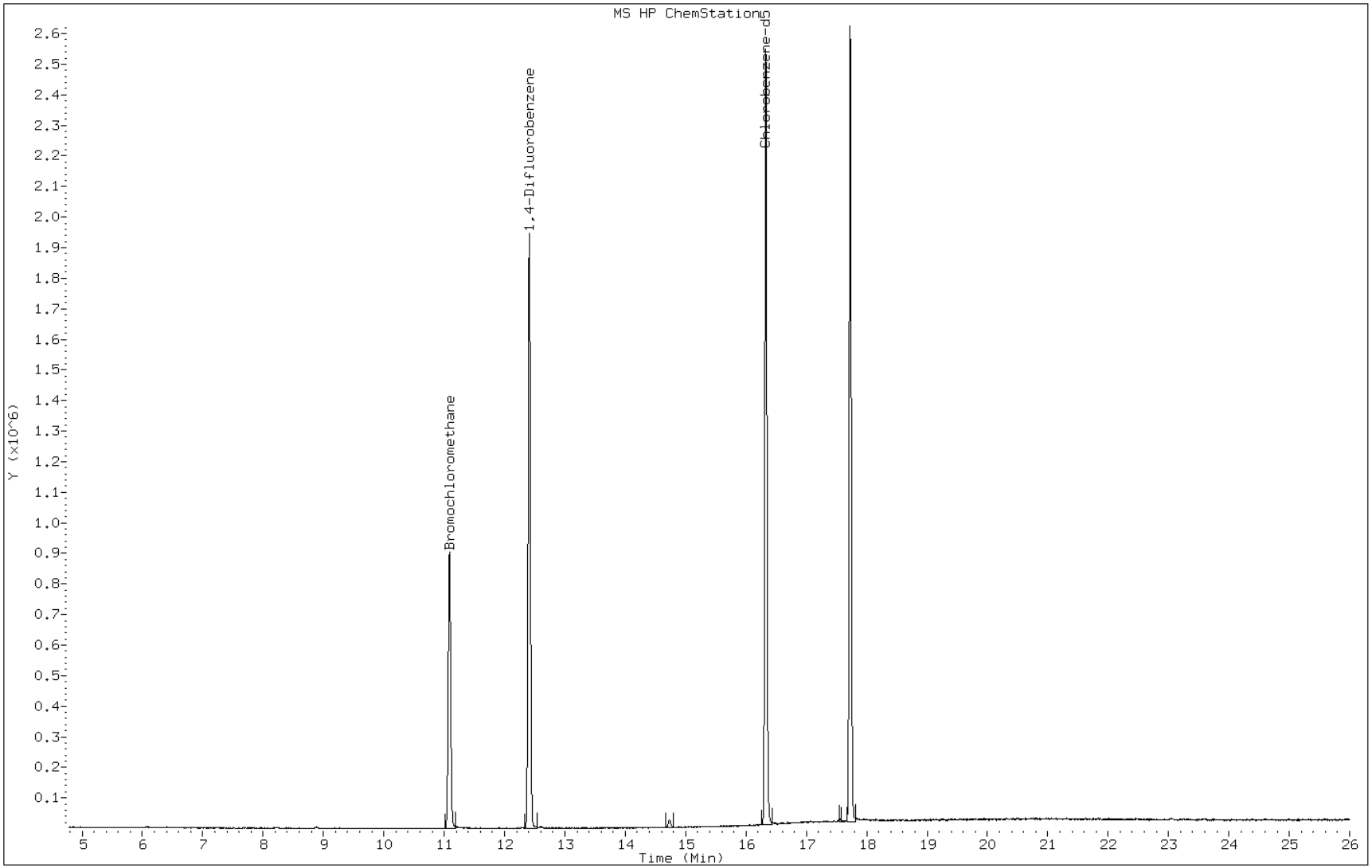
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
23	Allyl chloride	41	Compound Not Detected.						
25	Methylene chloride	49	Compound Not Detected.						
26	Tert-butyl alcohol	59	Compound Not Detected.						
27	Methyl tert-butyl ether	73	Compound Not Detected.						
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.						
30	n-Hexane	57	Compound Not Detected.						
31	1,1-Dichloroethane	63	Compound Not Detected.						
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.						
36	Methyl Ethyl Ketone	72	Compound Not Detected.						
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	383227	10.0000		(Q)
38	Tetrahydrofuran	42	Compound Not Detected.						
39	Chloroform	83	Compound Not Detected.						
40	Cyclohexane	84	Compound Not Detected.						
41	1,1,1-Trichloroethane	97	Compound Not Detected.						
42	Carbon tetrachloride	117	Compound Not Detected.						
43	2,2,4-Trimethylpentane	57	Compound Not Detected.						
44	Benzene	78	Compound Not Detected.						
45	1,2-Dichloroethane	62	Compound Not Detected.						
46	n-Heptane	43	Compound Not Detected.						
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2339666	10.0000		
49	Trichloroethene	95	Compound Not Detected.						
50	1,2-Dichloropropane	63	Compound Not Detected.						
51	Methyl methacrylate	69	Compound Not Detected.						
53	1,4-Dioxane	88	Compound Not Detected.						
54	Bromodichloromethane	83	Compound Not Detected.						
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.						
56	Methyl isobutyl ketone	43	Compound Not Detected.						
58	Toluene	92	Compound Not Detected.						
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.						
60	1,1,2-Trichloroethane	83	Compound Not Detected.						
61	Tetrachloroethene	166	Compound Not Detected.						
63	Dibromochloromethane	129	Compound Not Detected.						
64	1,2-Dibromoethane	107	Compound Not Detected.						
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2072362	10.0000		
66	Chlorobenzene	112	Compound Not Detected.						
68	Ethylbenzene	91	Compound Not Detected.						
69	Xylene (m,p)	106	Compound Not Detected.						
71	Xylene (o)	106	Compound Not Detected.						
72	Styrene	104	Compound Not Detected.						
73	Bromoform	173	Compound Not Detected.						
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
79	4-Ethyltoluene	105	Compound Not Detected.						
80	2-Chlorotoluene	91	Compound Not Detected.						
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.						
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.						
87	1,3-Dichlorobenzene	146	Compound Not Detected.						
88	1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqe003.d	Date:	01-MAR-2012 11:51
Client ID:	mb	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab File ID: ckqc001.d BFB Injection Date: 02/28/2012

Instrument ID: C.i BFB Injection Time: 09:05

Analysis Batch No.: 34272

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.8	
75	30.0 - 66.0% of mass 95	45.0	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	66.4	
175	4.0 - 9.0 % of mass 174	4.7	(7.1)1
176	93.0 - 101.0% of mass 174	62.9	(94.7)1
177	5.0 - 9.0% of mass 176	4.1	(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 200-34272/2	ckqc002.d	02/28/2012	09:57
	MB 200-34272/3	ckqc003.d	02/28/2012	10:47
	LCS 200-34272/5	ckqc005.d	02/28/2012	12:28
	LCS 200-34272/6	ckqc006.d	02/28/2012	13:18
	LCS 200-34272/7	ckqc007.d	02/28/2012	14:08
4872	200-9496-2	ckqc009.d	02/28/2012	15:48
	CCVC 200-34272/28	ckqc028.d	02/29/2012	07:37

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab File ID: ckqd001.d BFB Injection Date: 02/29/2012

Instrument ID: C.i BFB Injection Time: 10:13

Analysis Batch No.: 34324

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.1	
75	30.0 - 66.0% of mass 95	45.2	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	67.7	
175	4.0 - 9.0 % of mass 174	4.7	(7.0)1
176	93.0 - 101.0% of mass 174	65.0	(96.1)1
177	5.0 - 9.0% of mass 176	4.1	(6.3)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 200-34324/2	ckqd002.d	02/29/2012	11:03
	MB 200-34324/3	ckqd003.d	02/29/2012	11:55
	LCS 200-34324/4	ckqd004.d	02/29/2012	12:45
	LCS 200-34324/5	ckqd005.d	02/29/2012	13:35
	LCS 200-34324/6	ckqd006.d	02/29/2012	14:25
5045	200-9518-4	ckqd007.d	02/29/2012	15:15
	CCVC 200-34324/28	ckqd028.d	03/01/2012	08:45

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab File ID: ckqe001.d BFB Injection Date: 03/01/2012

Instrument ID: C.i BFB Injection Time: 10:11

Analysis Batch No.: 34384

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.0	
75	30.0 - 66.0% of mass 95	45.1	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	67.5	
175	4.0 - 9.0 % of mass 174	4.7	(7.0)1
176	93.0 - 101.0% of mass 174	64.8	(96.0)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 200-34384/2	ckqe002.d	03/01/2012	11:01
	MB 200-34384/3	ckqe003.d	03/01/2012	11:51
	LCS 200-34384/4	ckqe004.d	03/01/2012	12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012	13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012	14:22
3459	200-9523-8	ckqe007.d	03/01/2012	15:12
	CCVC 200-34384/28	ckqe028.d	03/02/2012	08:44

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab File ID: ckqe001.d BFB Injection Date: 03/01/2012

Instrument ID: C.i BFB Injection Time: 10:11

Analysis Batch No.: 34384

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.0	
75	30.0 - 66.0% of mass 95	45.1	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	67.5	
175	4.0 - 9.0 % of mass 174	4.7	(7.0)1
176	93.0 - 101.0% of mass 174	64.8	(96.0)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 200-34384/2	ckqe002.d	03/01/2012	11:01
	MB 200-34384/3	ckqe003.d	03/01/2012	11:51
	LCS 200-34384/4	ckqe004.d	03/01/2012	12:41
	LCS 200-34384/5	ckqe005.d	03/01/2012	13:32
	LCS 200-34384/6	ckqe006.d	03/01/2012	14:22
3620	200-9525-2	ckqe008.d	03/01/2012	16:02
	CCVC 200-34384/28	ckqe028.d	03/02/2012	08:44

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Sample No.: CCVIS 200-34272/2 Date Analyzed: 02/28/2012 09:57

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqc002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		433804	11.09	2595012	12.41	2336033	16.33
UPPER LIMIT		607326	11.42	3633017	12.74	3270446	16.66
LOWER LIMIT		260282	10.76	1557007	12.08	1401620	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34272/3		425229	11.09	2600656	12.41	2303489	16.33
LCS 200-34272/5		362169	11.09	2174069	12.41	2007534	16.33
LCS 200-34272/6		369177	11.09	2249988	12.41	2078044	16.33
LCS 200-34272/7		374745	11.09	2263104	12.41	2122172	16.33
200-9496-2	4872	371550	11.09	2266299	12.41	1999278	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Sample No.: CCVIS 200-34324/2 Date Analyzed: 02/29/2012 11:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqd002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		435539	11.09	2573223	12.41	2398118	16.33
UPPER LIMIT		609755	11.42	3602512	12.74	3357365	16.66
LOWER LIMIT		261323	10.76	1543934	12.08	1438871	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34324/3		398610	11.09	2432861	12.41	2181095	16.33
LCS 200-34324/4		383326	11.09	2314125	12.41	2099816	16.33
LCS 200-34324/5		357514	11.09	2162536	12.41	1974080	16.33
LCS 200-34324/6		369555	11.09	2250797	12.41	2119223	16.33
200-9518-4	5045	380843	11.09	2350611	12.41	2036913	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Sample No.: CCVIS 200-34384/2 Date Analyzed: 03/01/2012 11:01

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqe002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		398124	11.09	2382647	12.41	2214419	16.33
UPPER LIMIT		557374	11.42	3335706	12.74	3100187	16.66
LOWER LIMIT		238874	10.76	1429588	12.08	1328651	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34384/3		383227	11.09	2339666	12.41	2072362	16.33
LCS 200-34384/4		358827	11.09	2146096	12.41	1964209	16.33
LCS 200-34384/5		335409	11.09	2013099	12.41	1872793	16.33
LCS 200-34384/6		350694	11.08	2118674	12.41	1986004	16.33
200-9523-8	3459	357473	11.09	2188075	12.41	1918629	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Sample No.: CCVIS 200-34384/2 Date Analyzed: 03/01/2012 11:01

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqe002.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		398124	11.09	2382647	12.41	2214419	16.33
UPPER LIMIT		557374	11.42	3335706	12.74	3100187	16.66
LOWER LIMIT		238874	10.76	1429588	12.08	1328651	16.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-34384/3		383227	11.09	2339666	12.41	2072362	16.33
LCS 200-34384/4		358827	11.09	2146096	12.41	1964209	16.33
LCS 200-34384/5		335409	11.09	2013099	12.41	1872793	16.33
LCS 200-34384/6		350694	11.08	2118674	12.41	1986004	16.33
200-9525-2	3620	343965	11.09	2125829	12.41	1869313	16.33

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: 4872 Lab Sample ID: 200-9496-2

Matrix: Air Lab File ID: ckqc009.d

Analysis Method: TO15LL/NJ Date Collected: 02/27/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 15:48

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U *	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U *	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Client Sample ID: 4872 Lab Sample ID: 200-9496-2

Matrix: Air Lab File ID: ckqc009.d

Analysis Method: TO15LL/NJ Date Collected: 02/27/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/28/2012 15:48

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34272 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9496-2
Client Smp ID: 4872
Inj Date : 28-FEB-2012 15:48
Operator : wrd Inst ID: C.i
Smp Info : 200-9496-A-2
Misc Info : 500,0.4,cert
Comment :
Method : /chem/C.i/Csvr.p/ckqcto15.b/TO15v5NJ.m
Meth Date : 29-Feb-2012 14:50 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

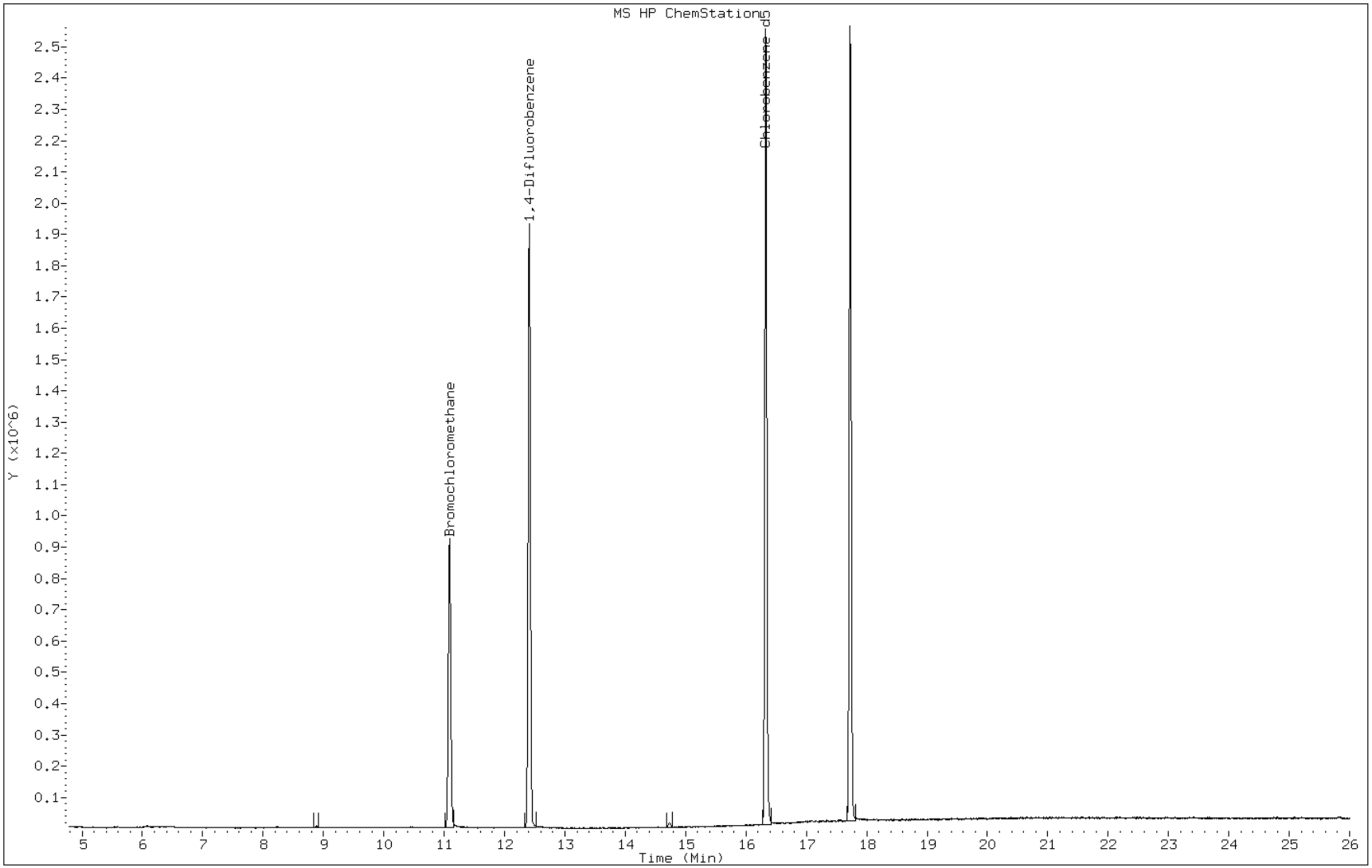
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	371550	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.406	12.417	(1.000)	2266299	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	1999278	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqc009.d	Date:	28-FEB-2012 15:48
Client ID:	4872	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9496-A-2		
Lab Sample ID:	200-9496-2		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: 5045 Lab Sample ID: 200-9518-4

Matrix: Air Lab File ID: ckqd007.d

Analysis Method: TO15LL/NJ Date Collected: 02/28/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/29/2012 15:15

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Client Sample ID: 5045 Lab Sample ID: 200-9518-4

Matrix: Air Lab File ID: ckqd007.d

Analysis Method: TO15LL/NJ Date Collected: 02/28/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 02/29/2012 15:15

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34324 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9518-4
Client Smp ID: 5045
Inj Date : 29-FEB-2012 15:15
Operator : wrd Inst ID: C.i
Smp Info : 200-9518-A-4
Misc Info : 500,.4
Comment :
Method : /chem/C.i/Csvr.p/ckqdto15.b/TO15v5NJ.m
Meth Date : 01-Mar-2012 10:05 wrd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

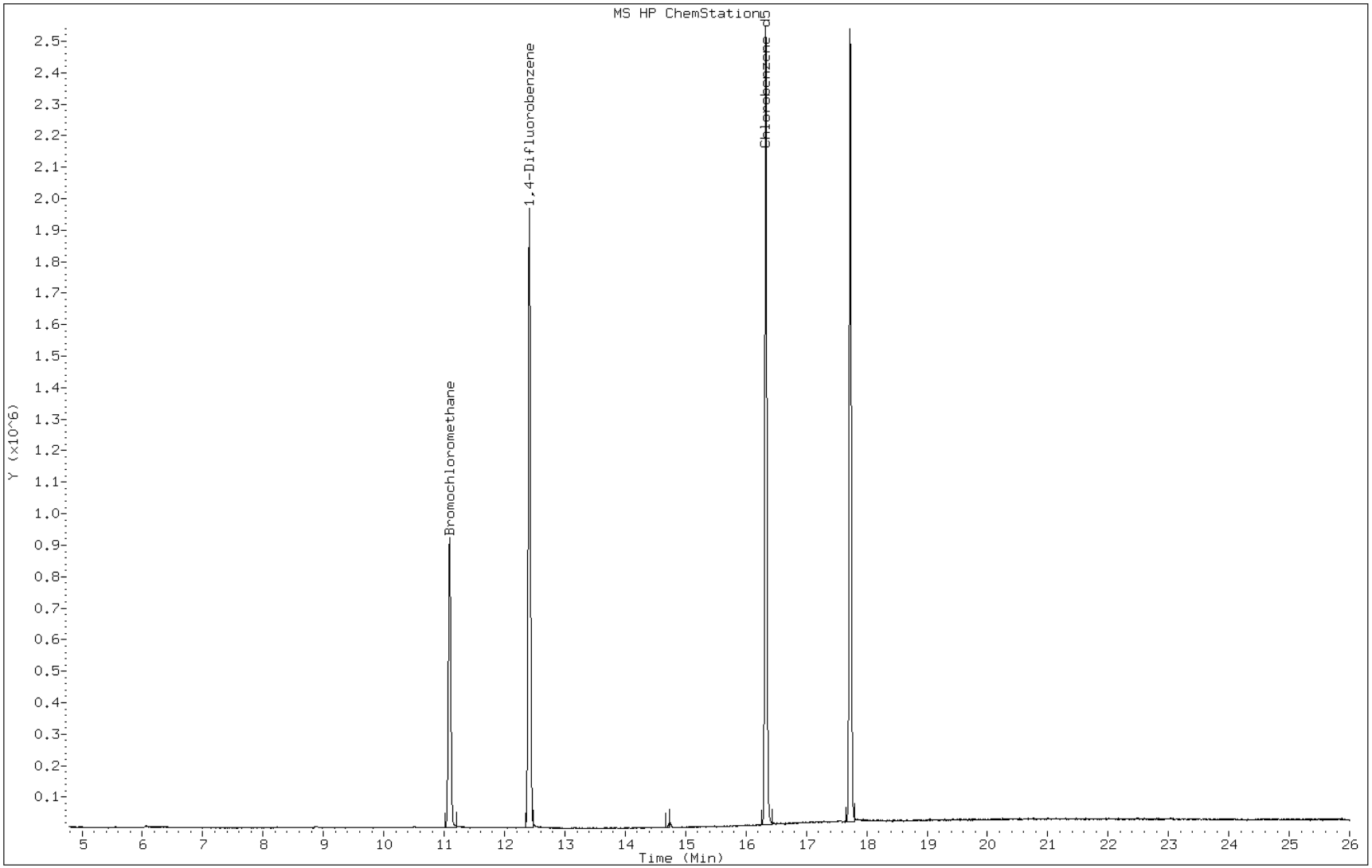
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.088	11.098	(1.000)	380843	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2350611	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	2036913	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqd007.d	Date:	29-FEB-2012 15:15
Client ID:	5045	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9518-A-4		
Lab Sample ID:	200-9518-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Client Sample ID: 3459 Lab Sample ID: 200-9523-8

Matrix: Air Lab File ID: ckqe007.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 15:12

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Client Sample ID: 3459 Lab Sample ID: 200-9523-8

Matrix: Air Lab File ID: ckqe007.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 15:12

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9523-8
Client Smp ID: 3459
Inj Date : 01-MAR-2012 15:12
Operator : wrd Inst ID: C.i
Smp Info : 200-9523-A-8
Misc Info : 500,0.4
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 02-Mar-2012 12:06 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

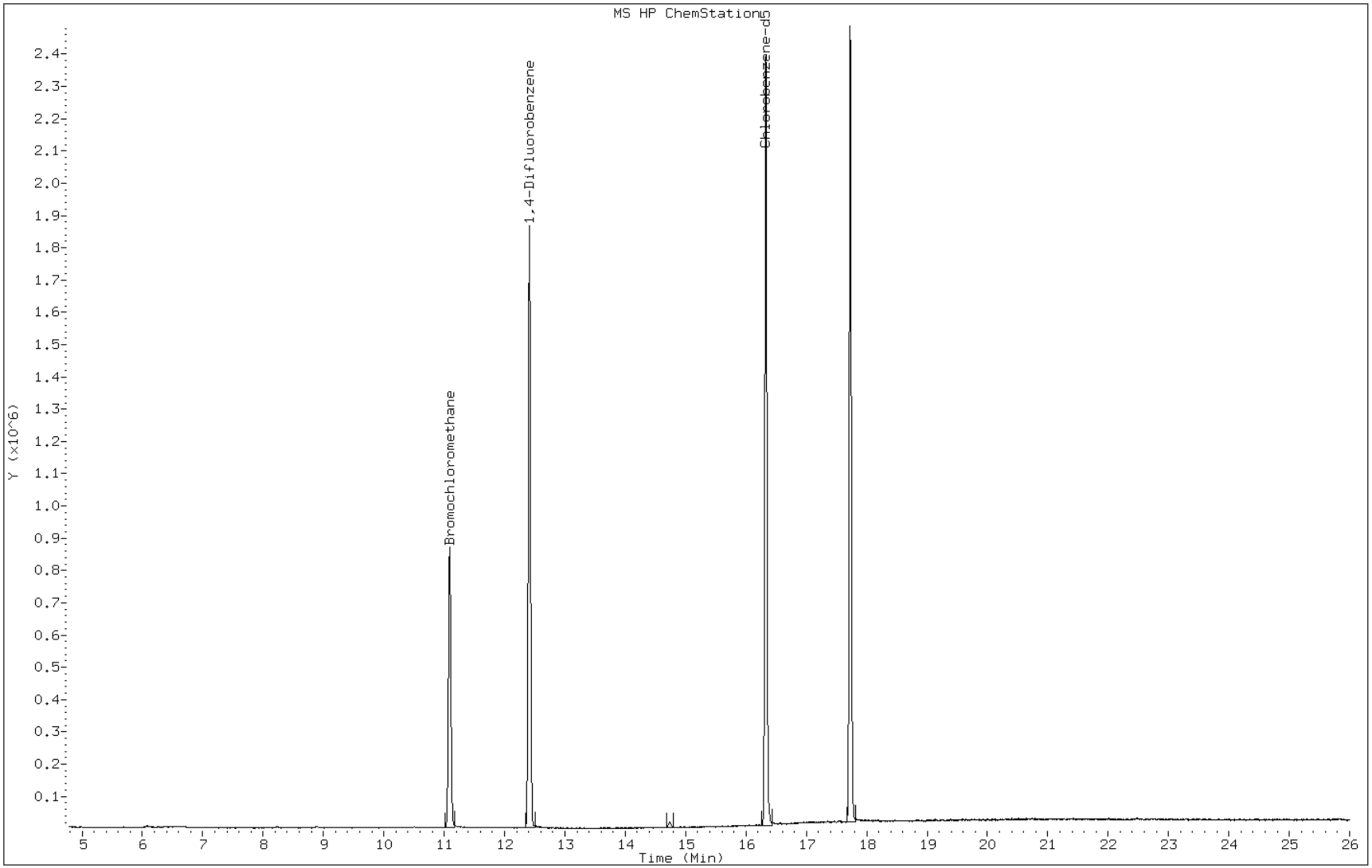
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	357473	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.412	12.417	(1.000)	2188075	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.329	16.339	(1.000)	1918629	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqe007.d	Date:	01-MAR-2012 15:12
Client ID:	3459	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9523-A-8		
Lab Sample ID:	200-9523-8		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: 3620 Lab Sample ID: 200-9525-2

Matrix: Air Lab File ID: ckqe008.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 16:02

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U *	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Client Sample ID: 3620 Lab Sample ID: 200-9525-2

Matrix: Air Lab File ID: ckqe008.d

Analysis Method: TO15LL/NJ Date Collected: 02/29/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/01/2012 16:02

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 34384 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9525-2
Client Smp ID: 3620
Inj Date : 01-MAR-2012 16:02
Operator : wrd Inst ID: C.i
Smp Info : 200-9525-A-2
Misc Info : 500,0.4
Comment :
Method : /chem/C.i/Csvr.p/ckqeto15.b/TO15v5NJ.m
Meth Date : 02-Mar-2012 12:06 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

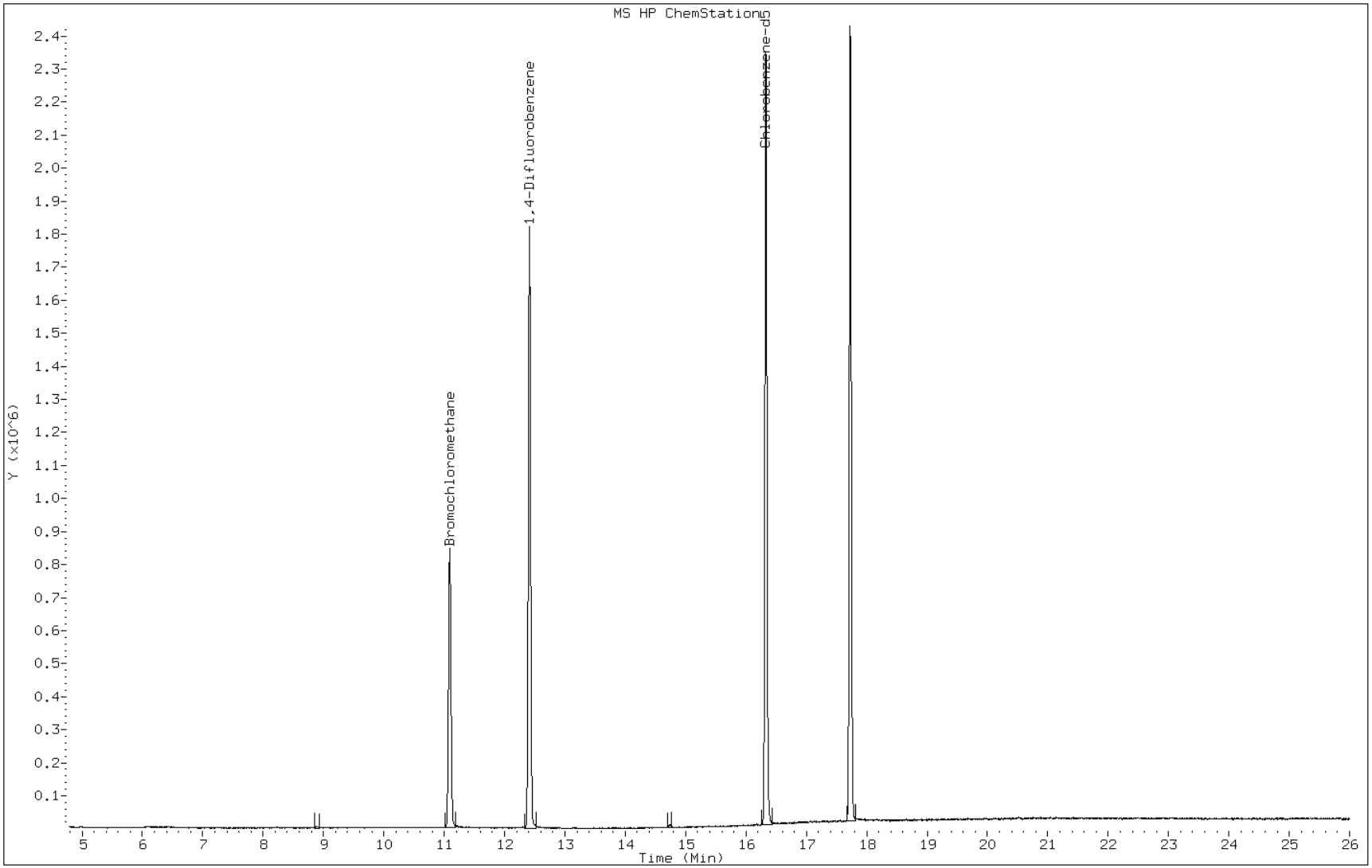
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.093	11.098	(1.000)	343965	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.411	12.417	(1.000)	2125829	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.334	16.339	(1.000)	1869313	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckqe008.d	Date:	01-MAR-2012 16:02
Client ID:	3620	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-9525-A-2		
Lab Sample ID:	200-9525-2		



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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9496-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9518-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9523-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9525-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.104		10.6	10.0	5.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.409		10.0	10.0	0.2	30.0
Chloromethane	Ave	1.033	1.054		10.2	10.0	2.0	30.0
Vinyl chloride	Ave	1.233	1.212		9.82	10.0	-1.8	30.0
1,3-Butadiene	Ave	0.9312	0.9073		9.74	10.0	-2.6	30.0
Bromomethane	Ave	1.085	1.032		9.51	10.0	-4.9	30.0
Chloroethane	Ave	0.6096	0.6049		9.92	10.0	-0.8	30.0
Vinyl bromide	Ave	1.151	1.123		9.75	10.0	-2.5	30.0
Trichlorofluoromethane	Ave	3.030	3.054		10.1	10.0	0.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.326		9.90	10.0	-1.0	30.0
1,1-Dichloroethene	Ave	1.199	1.185		9.88	10.0	-1.2	30.0
Acetone	Ave	1.414	1.596		11.3	10.0	12.8	30.0
Isopropanol	Ave	1.106	1.196		10.8	10.0	8.1	30.0
Carbon disulfide	Ave	3.589	3.749		10.4	10.0	4.4	30.0
Allyl chloride	Ave	1.761	1.817		10.3	10.0	3.2	30.0
Methylene Chloride	Ave	1.254	1.287		10.3	10.0	2.6	30.0
tert-Butyl alcohol	Ave	1.571	1.722		11.0	10.0	9.6	30.0
Methyl tert-butyl ether	Ave	3.311	3.371		10.2	10.0	1.8	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.901		10.4	10.0	4.1	30.0
n-Hexane	Ave	2.177	2.226		10.2	10.0	2.3	30.0
1,1-Dichloroethane	Ave	2.305	2.399		10.4	10.0	4.1	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5800		9.73	10.0	-2.6	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.360		10.1	10.0	0.7	30.0
Tetrahydrofuran	Ave	0.1887	0.2052		10.9	10.0	8.7	30.0
Chloroform	Ave	2.638	2.731		10.4	10.0	3.5	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4805		10.1	10.0	1.2	30.0
Cyclohexane	Ave	0.3427	0.3339		9.74	10.0	-2.6	30.0
Carbon tetrachloride	Ave	0.4637	0.4670		10.1	10.0	0.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.180		10.1	10.0	1.2	30.0
Benzene	Ave	0.7557	0.7377		9.76	10.0	-2.4	30.0
1,2-Dichloroethane	Ave	0.2884	0.2957		10.3	10.0	2.5	30.0
n-Heptane	Ave	0.4261	0.4297		10.1	10.0	0.9	30.0
Trichloroethene	Ave	0.3252	0.3237		9.95	10.0	-0.5	30.0
1,2-Dichloropropane	Ave	0.2579	0.2623		10.2	10.0	1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2227		10.4	10.0	3.9	30.0
1,4-Dioxane	Ave	0.0879	0.0894		10.2	10.0	1.7	30.0
Bromodichloromethane	Ave	0.4956	0.5118		10.3	10.0	3.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4051		10.3	10.0	2.7	30.0
methyl isobutyl ketone	Ave	0.3957	0.4066		10.3	10.0	2.8	30.0
Toluene	Ave	0.6036	0.5738		9.50	10.0	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVIS 200-34272/2 Calibration Date: 02/28/2012 09:57

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.3986		10.5	10.0	5.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2688		9.71	10.0	-2.9	30.0
Tetrachloroethene	Ave	0.4505	0.4084		9.06	10.0	-9.3	30.0
Dibromochloromethane	Ave	0.5267	0.5205		9.88	10.0	-1.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4928		9.74	10.0	-2.6	30.0
Chlorobenzene	Ave	0.7815	0.7424		9.50	10.0	-5.0	30.0
Ethylbenzene	Ave	1.224	1.183		9.67	10.0	-3.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4623		19.0	20.0	-5.1	30.0
o-Xylene	Ave	0.4724	0.4529		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7175		9.79	10.0	-2.1	30.0
Bromoform	Ave	0.4668	0.4511		9.66	10.0	-3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6815		9.73	10.0	-2.7	30.0
4-Ethyltoluene	Ave	1.363	1.371		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	1.217	1.193		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.136		10.1	10.0	0.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.131		10.2	10.0	1.7	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7314		9.68	10.0	-3.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7186		9.67	10.0	-3.3	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6932		9.68	10.0	-3.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3565		9.81	10.0	-1.9	30.0
Hexachlorobutadiene	Ave	0.3274	0.2931		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.470		11.8	10.0	18.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.733		11.0	10.0	9.8	30.0
Chloromethane	Ave	1.033	1.174		11.4	10.0	13.6	30.0
Vinyl chloride	Ave	1.233	1.308		10.6	10.0	6.0	30.0
1,3-Butadiene	Ave	0.9312	0.999		10.7	10.0	7.3	30.0
Bromomethane	Ave	1.085	1.083		9.98	10.0	-0.2	30.0
Chloroethane	Ave	0.6096	0.6538		10.7	10.0	7.3	30.0
Vinyl bromide	Ave	1.151	1.096		9.52	10.0	-4.8	30.0
Trichlorofluoromethane	Ave	3.030	3.264		10.8	10.0	7.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.354		10.0	10.0	0.2	30.0
1,1-Dichloroethene	Ave	1.199	1.157		9.65	10.0	-3.5	30.0
Acetone	Ave	1.414	1.785		12.6	10.0	26.2	30.0
Isopropanol	Ave	1.106	1.297		11.7	10.0	17.2	30.0
Carbon disulfide	Ave	3.589	3.858		10.7	10.0	7.5	30.0
Allyl chloride	Ave	1.761	1.931		11.0	10.0	9.6	30.0
Methylene Chloride	Ave	1.254	1.415		11.3	10.0	12.8	30.0
tert-Butyl alcohol	Ave	1.571	1.758		11.2	10.0	11.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.606		10.9	10.0	8.9	30.0
1,2-Dichloroethene, trans-	Ave	1.826	2.040		11.2	10.0	11.7	30.0
n-Hexane	Ave	2.177	2.388		11.0	10.0	9.7	30.0
1,1-Dichloroethane	Ave	2.305	2.582		11.2	10.0	12.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6064		10.2	10.0	1.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.354		10.0	10.0	0.3	30.0
Tetrahydrofuran	Ave	0.1887	0.2203		11.7	10.0	16.7	30.0
Chloroform	Ave	2.638	2.901		11.0	10.0	9.9	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5066		10.7	10.0	6.6	30.0
Cyclohexane	Ave	0.3427	0.3347		9.76	10.0	-2.3	30.0
Carbon tetrachloride	Ave	0.4637	0.4870		10.5	10.0	5.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.244		10.7	10.0	6.7	30.0
Benzene	Ave	0.7557	0.7467		9.88	10.0	-1.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3235		11.2	10.0	12.2	30.0
n-Heptane	Ave	0.4261	0.4645		10.9	10.0	9.0	30.0
Trichloroethene	Ave	0.3252	0.3273		10.1	10.0	0.6	30.0
1,2-Dichloropropane	Ave	0.2579	0.2738		10.6	10.0	6.1	30.0
Methyl methacrylate	Ave	0.2143	0.2331		10.9	10.0	8.8	30.0
1,4-Dioxane	Ave	0.0879	0.0925		10.5	10.0	5.2	30.0
Bromodichloromethane	Ave	0.4956	0.5414		10.9	10.0	9.2	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4193		10.6	10.0	6.3	30.0
methyl isobutyl ketone	Ave	0.3957	0.4399		11.1	10.0	11.2	30.0
Toluene	Ave	0.6036	0.5643		9.35	10.0	-6.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Lab Sample ID: CCVC 200-34272/28 Calibration Date: 02/29/2012 07:37

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqc028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.4153		11.0	10.0	9.9	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2696		9.74	10.0	-2.6	30.0
Tetrachloroethene	Ave	0.4505	0.3891		8.64	10.0	-13.6	30.0
Dibromochloromethane	Ave	0.5267	0.5199		9.87	10.0	-1.3	30.0
1,2-Dibromoethane	Ave	0.5058	0.4897		9.68	10.0	-3.2	30.0
Chlorobenzene	Ave	0.7815	0.7323		9.37	10.0	-6.3	30.0
Ethylbenzene	Ave	1.224	1.215		9.93	10.0	-0.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4665		19.1	20.0	-4.2	30.0
o-Xylene	Ave	0.4724	0.4530		9.59	10.0	-4.1	30.0
Styrene	Ave	0.7327	0.7229		9.86	10.0	-1.3	30.0
Bromoform	Ave	0.4668	0.4550		9.75	10.0	-2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7148		10.2	10.0	2.1	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.245		10.2	10.0	2.3	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.190		10.7	10.0	6.9	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7411		9.81	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7394		9.95	10.0	-0.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7179		10.0	10.0	0.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3725		10.2	10.0	2.5	30.0
Hexachlorobutadiene	Ave	0.3274	0.3220		9.84	10.0	-1.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVIS 200-34324/2 Calibration Date: 02/29/2012 11:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	2.955		10.1	10.0	0.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.246		9.54	10.0	-4.6	30.0
Chloromethane	Ave	1.033	0.9812		9.49	10.0	-5.1	30.0
Vinyl chloride	Ave	1.233	1.166		9.45	10.0	-5.4	30.0
1,3-Butadiene	Ave	0.9312	0.8828		9.48	10.0	-5.2	30.0
Bromomethane	Ave	1.085	0.9803		9.03	10.0	-9.6	30.0
Chloroethane	Ave	0.6096	0.5731		9.40	10.0	-6.0	30.0
Vinyl bromide	Ave	1.151	1.077		9.35	10.0	-6.4	30.0
Trichlorofluoromethane	Ave	3.030	2.996		9.89	10.0	-1.1	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.221		9.45	10.0	-5.5	30.0
1,1-Dichloroethene	Ave	1.199	1.104		9.20	10.0	-7.9	30.0
Acetone	Ave	1.414	1.626		11.5	10.0	15.0	30.0
Isopropanol	Ave	1.106	1.208		10.9	10.0	9.2	30.0
Carbon disulfide	Ave	3.589	3.541		9.86	10.0	-1.4	30.0
Allyl chloride	Ave	1.761	1.617		9.18	10.0	-8.2	30.0
Methylene Chloride	Ave	1.254	1.222		9.75	10.0	-2.5	30.0
tert-Butyl alcohol	Ave	1.571	1.634		10.4	10.0	4.0	30.0
Methyl tert-butyl ether	Ave	3.311	3.393		10.2	10.0	2.5	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.792		9.81	10.0	-1.9	30.0
n-Hexane	Ave	2.177	2.073		9.52	10.0	-4.8	30.0
1,1-Dichloroethane	Ave	2.305	2.259		9.80	10.0	-2.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5927		9.95	10.0	-0.5	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.296		9.60	10.0	-4.0	30.0
Tetrahydrofuran	Ave	0.1887	0.2056		10.9	10.0	8.9	30.0
Chloroform	Ave	2.638	2.593		9.83	10.0	-1.7	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4689		9.87	10.0	-1.3	30.0
Cyclohexane	Ave	0.3427	0.3200		9.34	10.0	-6.6	30.0
Carbon tetrachloride	Ave	0.4637	0.4569		9.85	10.0	-1.5	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.120		9.61	10.0	-3.9	30.0
Benzene	Ave	0.7557	0.7026		9.30	10.0	-7.0	30.0
1,2-Dichloroethane	Ave	0.2884	0.2824		9.79	10.0	-2.1	30.0
n-Heptane	Ave	0.4261	0.4043		9.49	10.0	-5.1	30.0
Trichloroethene	Ave	0.3252	0.3054		9.39	10.0	-6.1	30.0
1,2-Dichloropropane	Ave	0.2579	0.2481		9.62	10.0	-3.8	30.0
Methyl methacrylate	Ave	0.2143	0.2259		10.5	10.0	5.4	30.0
1,4-Dioxane	Ave	0.0879	0.0940		10.7	10.0	6.9	30.0
Bromodichloromethane	Ave	0.4956	0.4941		9.97	10.0	-0.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3911		9.91	10.0	-0.9	30.0
methyl isobutyl ketone	Ave	0.3957	0.4165		10.5	10.0	5.2	30.0
Toluene	Ave	0.6036	0.5521		9.15	10.0	-8.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVIS 200-34324/2 Calibration Date: 02/29/2012 11:03

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.3916		10.4	10.0	3.6	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2573		9.30	10.0	-7.0	30.0
Tetrachloroethene	Ave	0.4505	0.3823		8.48	10.0	-15.1	30.0
Dibromochloromethane	Ave	0.5267	0.4942		9.38	10.0	-6.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4653		9.20	10.0	-8.0	30.0
Chlorobenzene	Ave	0.7815	0.7061		9.03	10.0	-9.6	30.0
Ethylbenzene	Ave	1.224	1.157		9.45	10.0	-5.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4527		18.6	20.0	-7.1	30.0
o-Xylene	Ave	0.4724	0.4409		9.33	10.0	-6.7	30.0
Styrene	Ave	0.7327	0.6948		9.48	10.0	-5.2	30.0
Bromoform	Ave	0.4668	0.4352		9.32	10.0	-6.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6604		9.43	10.0	-5.7	30.0
4-Ethyltoluene	Ave	1.363	1.338		9.82	10.0	-1.8	30.0
2-Chlorotoluene	Ave	1.217	1.154		9.47	10.0	-5.2	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.134		10.1	10.0	0.7	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.110		9.98	10.0	-0.2	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6946		9.20	10.0	-8.0	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6869		9.24	10.0	-7.5	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6621		9.24	10.0	-7.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3348		9.21	10.0	-7.9	30.0
Hexachlorobutadiene	Ave	0.3274	0.2834		8.65	10.0	-13.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVC 200-34324/28 Calibration Date: 03/01/2012 08:45

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.282		11.2	10.0	11.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.500		10.3	10.0	2.9	30.0
Chloromethane	Ave	1.033	1.080		10.4	10.0	4.5	30.0
Vinyl chloride	Ave	1.233	1.220		9.89	10.0	-1.1	30.0
1,3-Butadiene	Ave	0.9312	0.9215		9.89	10.0	-1.0	30.0
Bromomethane	Ave	1.085	1.039		9.58	10.0	-4.2	30.0
Chloroethane	Ave	0.6096	0.6214		10.2	10.0	1.9	30.0
Vinyl bromide	Ave	1.151	1.063		9.23	10.0	-7.6	30.0
Trichlorofluoromethane	Ave	3.030	3.181		10.5	10.0	5.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.281		9.71	10.0	-2.9	30.0
1,1-Dichloroethene	Ave	1.199	1.124		9.37	10.0	-6.3	30.0
Acetone	Ave	1.414	1.731		12.2	10.0	22.4	30.0
Isopropanol	Ave	1.106	1.190		10.8	10.0	7.6	30.0
Carbon disulfide	Ave	3.589	3.694		10.3	10.0	2.9	30.0
Allyl chloride	Ave	1.761	1.505		8.54	10.0	-14.6	30.0
Methylene Chloride	Ave	1.254	1.318		10.5	10.0	5.1	30.0
tert-Butyl alcohol	Ave	1.571	1.688		10.7	10.0	7.4	30.0
Methyl tert-butyl ether	Ave	3.311	3.535		10.7	10.0	6.8	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.938		10.6	10.0	6.1	30.0
n-Hexane	Ave	2.177	2.243		10.3	10.0	3.0	30.0
1,1-Dichloroethane	Ave	2.305	2.439		10.6	10.0	5.8	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5995		10.1	10.0	0.6	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.322		9.79	10.0	-2.1	30.0
Tetrahydrofuran	Ave	0.1887	0.2176		11.5	10.0	15.3	30.0
Chloroform	Ave	2.638	2.805		10.6	10.0	6.3	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4986		10.5	10.0	5.0	30.0
Cyclohexane	Ave	0.3427	0.3277		9.56	10.0	-4.4	30.0
Carbon tetrachloride	Ave	0.4637	0.4858		10.5	10.0	4.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.195		10.3	10.0	2.5	30.0
Benzene	Ave	0.7557	0.7243		9.58	10.0	-4.2	30.0
1,2-Dichloroethane	Ave	0.2884	0.3132		10.9	10.0	8.6	30.0
n-Heptane	Ave	0.4261	0.4393		10.3	10.0	3.1	30.0
Trichloroethene	Ave	0.3252	0.3165		9.73	10.0	-2.7	30.0
1,2-Dichloropropane	Ave	0.2579	0.2615		10.1	10.0	1.4	30.0
Methyl methacrylate	Ave	0.2143	0.2320		10.8	10.0	8.3	30.0
1,4-Dioxane	Ave	0.0879	0.0888		10.1	10.0	1.0	30.0
Bromodichloromethane	Ave	0.4956	0.5318		10.7	10.0	7.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4098		10.4	10.0	3.9	30.0
methyl isobutyl ketone	Ave	0.3957	0.4376		11.1	10.0	10.6	30.0
Toluene	Ave	0.6036	0.5403		8.95	10.0	-10.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Lab Sample ID: CCVC 200-34324/28 Calibration Date: 03/01/2012 08:45

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqd028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropene, trans-	Ave	0.3778	0.4093		10.8	10.0	8.3	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2550		9.22	10.0	-7.8	30.0
Tetrachloroethene	Ave	0.4505	0.3745		8.31	10.0	-16.9	30.0
Dibromochloromethane	Ave	0.5267	0.4994		9.48	10.0	-5.2	30.0
1,2-Dibromoethane	Ave	0.5058	0.4684		9.26	10.0	-7.4	30.0
Chlorobenzene	Ave	0.7815	0.7006		8.96	10.0	-10.3	30.0
Ethylbenzene	Ave	1.224	1.168		9.54	10.0	-4.6	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4514		18.5	20.0	-7.3	30.0
o-Xylene	Ave	0.4724	0.4387		9.28	10.0	-7.1	30.0
Styrene	Ave	0.7327	0.7007		9.56	10.0	-4.4	30.0
Bromoform	Ave	0.4668	0.4371		9.36	10.0	-6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6779		9.68	10.0	-3.2	30.0
4-Ethyltoluene	Ave	1.363	1.381		10.1	10.0	1.3	30.0
2-Chlorotoluene	Ave	1.217	1.193		9.80	10.0	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.142		10.1	10.0	1.4	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.145		10.3	10.0	2.9	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7031		9.31	10.0	-6.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6938		9.34	10.0	-6.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6745		9.42	10.0	-5.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3541		9.74	10.0	-2.6	30.0
Hexachlorobutadiene	Ave	0.3274	0.3072		9.38	10.0	-6.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.101		10.6	10.0	5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.375		9.92	10.0	-0.8	30.0
Chloromethane	Ave	1.033	1.008		9.75	10.0	-2.5	30.0
Vinyl chloride	Ave	1.233	1.187		9.62	10.0	-3.7	30.0
1,3-Butadiene	Ave	0.9312	0.9085		9.75	10.0	-2.4	30.0
Bromomethane	Ave	1.085	1.016		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.6096	0.5892		9.66	10.0	-3.3	30.0
Vinyl bromide	Ave	1.151	1.121		9.74	10.0	-2.6	30.0
Trichlorofluoromethane	Ave	3.030	3.167		10.5	10.0	4.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.331		9.92	10.0	-0.8	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.656		11.7	10.0	17.1	30.0
Isopropanol	Ave	1.106	1.100		9.94	10.0	-0.6	30.0
Carbon disulfide	Ave	3.589	3.680		10.3	10.0	2.5	30.0
Allyl chloride	Ave	1.761	1.695		9.62	10.0	-3.8	30.0
Methylene Chloride	Ave	1.254	1.243		9.91	10.0	-0.9	30.0
tert-Butyl alcohol	Ave	1.571	1.696		10.8	10.0	7.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.553		10.7	10.0	7.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.868		10.2	10.0	2.3	30.0
n-Hexane	Ave	2.177	2.155		9.90	10.0	-1.0	30.0
1,1-Dichloroethane	Ave	2.305	2.329		10.1	10.0	1.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6118		10.3	10.0	2.7	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.355		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1887	0.2076		11.0	10.0	10.0	30.0
Chloroform	Ave	2.638	2.728		10.3	10.0	3.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4893		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3427	0.3254		9.49	10.0	-5.0	30.0
Carbon tetrachloride	Ave	0.4637	0.4791		10.3	10.0	3.3	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.145		9.82	10.0	-1.8	30.0
Benzene	Ave	0.7557	0.7184		9.50	10.0	-4.9	30.0
1,2-Dichloroethane	Ave	0.2884	0.2958		10.3	10.0	2.6	30.0
n-Heptane	Ave	0.4261	0.4133		9.70	10.0	-3.0	30.0
Trichloroethene	Ave	0.3252	0.3186		9.79	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2579	0.2567		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.2143	0.2327		10.9	10.0	8.6	30.0
1,4-Dioxane	Ave	0.0879	0.0836		9.51	10.0	-4.9	30.0
Bromodichloromethane	Ave	0.4956	0.5137		10.4	10.0	3.6	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4069		10.3	10.0	3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.4210		10.6	10.0	6.4	30.0
Toluene	Ave	0.6036	0.5685		9.42	10.0	-5.8	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4036		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2638		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.4505	0.3999		8.87	10.0	-11.2	30.0
Dibromochloromethane	Ave	0.5267	0.5174		9.82	10.0	-1.8	30.0
1,2-Dibromoethane	Ave	0.5058	0.4851		9.59	10.0	-4.1	30.0
Chlorobenzene	Ave	0.7815	0.7317		9.36	10.0	-6.4	30.0
Ethylbenzene	Ave	1.224	1.196		9.77	10.0	-2.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4673		19.2	20.0	-4.1	30.0
o-Xylene	Ave	0.4724	0.4552		9.64	10.0	-3.6	30.0
Styrene	Ave	0.7327	0.7178		9.79	10.0	-2.0	30.0
Bromoform	Ave	0.4668	0.4547		9.74	10.0	-2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6806		9.72	10.0	-2.8	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.201		9.86	10.0	-1.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.157		10.3	10.0	2.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.162		10.4	10.0	4.4	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7144		9.46	10.0	-5.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7004		9.43	10.0	-5.7	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6845		9.56	10.0	-4.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3443		9.47	10.0	-5.3	30.0
Hexachlorobutadiene	Ave	0.3274	0.2939		8.97	10.0	-10.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.128		10.7	10.0	6.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.386		9.95	10.0	-0.4	30.0
Chloromethane	Ave	1.033	1.011		9.78	10.0	-2.2	30.0
Vinyl chloride	Ave	1.233	1.151		9.33	10.0	-6.6	30.0
1,3-Butadiene	Ave	0.9312	0.8599		9.23	10.0	-7.7	30.0
Bromomethane	Ave	1.085	1.013		9.34	10.0	-6.6	30.0
Chloroethane	Ave	0.6096	0.5838		9.58	10.0	-4.2	30.0
Vinyl bromide	Ave	1.151	1.095		9.51	10.0	-4.9	30.0
Trichlorofluoromethane	Ave	3.030	3.181		10.5	10.0	5.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.313		9.84	10.0	-1.5	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.537		10.9	10.0	8.7	30.0
Isopropanol	Ave	1.106	1.113		10.1	10.0	0.6	30.0
Carbon disulfide	Ave	3.589	3.645		10.2	10.0	1.6	30.0
Allyl chloride	Ave	1.761	1.803		10.2	10.0	2.4	30.0
Methylene Chloride	Ave	1.254	1.254		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	1.571	1.629		10.4	10.0	3.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.306		9.99	10.0	-0.1	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.862		10.2	10.0	2.0	30.0
n-Hexane	Ave	2.177	2.165		9.95	10.0	-0.5	30.0
1,1-Dichloroethane	Ave	2.305	2.362		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5668		9.51	10.0	-4.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.343		9.95	10.0	-0.5	30.0
Tetrahydrofuran	Ave	0.1887	0.1930		10.2	10.0	2.2	30.0
Chloroform	Ave	2.638	2.770		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4996		10.5	10.0	5.2	30.0
Cyclohexane	Ave	0.3427	0.3291		9.60	10.0	-3.9	30.0
Carbon tetrachloride	Ave	0.4637	0.4915		10.6	10.0	6.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.150		9.87	10.0	-1.3	30.0
Benzene	Ave	0.7557	0.7206		9.53	10.0	-4.6	30.0
1,2-Dichloroethane	Ave	0.2884	0.3008		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4261	0.4146		9.73	10.0	-2.7	30.0
Trichloroethene	Ave	0.3252	0.3258		10.0	10.0	0.2	30.0
1,2-Dichloropropane	Ave	0.2579	0.2535		9.82	10.0	-1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2135		9.96	10.0	-0.4	30.0
1,4-Dioxane	Ave	0.0879	0.0906		10.3	10.0	3.0	30.0
Bromodichloromethane	Ave	0.4956	0.5248		10.6	10.0	5.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4001		10.1	10.0	1.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.3962		10.0	10.0	0.1	30.0
Toluene	Ave	0.6036	0.5968		9.89	10.0	-1.1	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3911		10.3	10.0	3.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2787		10.1	10.0	0.7	30.0
Tetrachloroethene	Ave	0.4505	0.4382		9.73	10.0	-2.7	30.0
Dibromochloromethane	Ave	0.5267	0.5576		10.6	10.0	5.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.5169		10.2	10.0	2.2	30.0
Chlorobenzene	Ave	0.7815	0.7773		9.94	10.0	-0.5	30.0
Ethylbenzene	Ave	1.224	1.235		10.1	10.0	0.9	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4768		19.6	20.0	-2.1	30.0
o-Xylene	Ave	0.4724	0.4664		9.87	10.0	-1.3	30.0
Styrene	Ave	0.7327	0.7399		10.1	10.0	1.0	30.0
Bromoform	Ave	0.4668	0.4802		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7041		10.1	10.0	0.6	30.0
4-Ethyltoluene	Ave	1.363	1.426		10.5	10.0	4.6	30.0
2-Chlorotoluene	Ave	1.217	1.249		10.3	10.0	2.6	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.192		10.7	10.0	7.1	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7405		9.80	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7313		9.84	10.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7073		9.87	10.0	-1.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3555		9.78	10.0	-2.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.3124		9.54	10.0	-4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.101		10.6	10.0	5.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.375		9.92	10.0	-0.8	30.0
Chloromethane	Ave	1.033	1.008		9.75	10.0	-2.5	30.0
Vinyl chloride	Ave	1.233	1.187		9.62	10.0	-3.7	30.0
1,3-Butadiene	Ave	0.9312	0.9085		9.75	10.0	-2.4	30.0
Bromomethane	Ave	1.085	1.016		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.6096	0.5892		9.66	10.0	-3.3	30.0
Vinyl bromide	Ave	1.151	1.121		9.74	10.0	-2.6	30.0
Trichlorofluoromethane	Ave	3.030	3.167		10.5	10.0	4.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.331		9.92	10.0	-0.8	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.656		11.7	10.0	17.1	30.0
Isopropanol	Ave	1.106	1.100		9.94	10.0	-0.6	30.0
Carbon disulfide	Ave	3.589	3.680		10.3	10.0	2.5	30.0
Allyl chloride	Ave	1.761	1.695		9.62	10.0	-3.8	30.0
Methylene Chloride	Ave	1.254	1.243		9.91	10.0	-0.9	30.0
tert-Butyl alcohol	Ave	1.571	1.696		10.8	10.0	7.9	30.0
Methyl tert-butyl ether	Ave	3.311	3.553		10.7	10.0	7.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.868		10.2	10.0	2.3	30.0
n-Hexane	Ave	2.177	2.155		9.90	10.0	-1.0	30.0
1,1-Dichloroethane	Ave	2.305	2.329		10.1	10.0	1.0	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.6118		10.3	10.0	2.7	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.355		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.1887	0.2076		11.0	10.0	10.0	30.0
Chloroform	Ave	2.638	2.728		10.3	10.0	3.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4893		10.3	10.0	3.0	30.0
Cyclohexane	Ave	0.3427	0.3254		9.49	10.0	-5.0	30.0
Carbon tetrachloride	Ave	0.4637	0.4791		10.3	10.0	3.3	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.145		9.82	10.0	-1.8	30.0
Benzene	Ave	0.7557	0.7184		9.50	10.0	-4.9	30.0
1,2-Dichloroethane	Ave	0.2884	0.2958		10.3	10.0	2.6	30.0
n-Heptane	Ave	0.4261	0.4133		9.70	10.0	-3.0	30.0
Trichloroethene	Ave	0.3252	0.3186		9.79	10.0	-2.0	30.0
1,2-Dichloropropane	Ave	0.2579	0.2567		9.95	10.0	-0.5	30.0
Methyl methacrylate	Ave	0.2143	0.2327		10.9	10.0	8.6	30.0
1,4-Dioxane	Ave	0.0879	0.0836		9.51	10.0	-4.9	30.0
Bromodichloromethane	Ave	0.4956	0.5137		10.4	10.0	3.6	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4069		10.3	10.0	3.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVIS 200-34384/2 Calibration Date: 03/01/2012 11:01

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.4210		10.6	10.0	6.4	30.0
Toluene	Ave	0.6036	0.5685		9.42	10.0	-5.8	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4036		10.7	10.0	6.8	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2638		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.4505	0.3999		8.87	10.0	-11.2	30.0
Dibromochloromethane	Ave	0.5267	0.5174		9.82	10.0	-1.8	30.0
1,2-Dibromoethane	Ave	0.5058	0.4851		9.59	10.0	-4.1	30.0
Chlorobenzene	Ave	0.7815	0.7317		9.36	10.0	-6.4	30.0
Ethylbenzene	Ave	1.224	1.196		9.77	10.0	-2.3	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4673		19.2	20.0	-4.1	30.0
o-Xylene	Ave	0.4724	0.4552		9.64	10.0	-3.6	30.0
Styrene	Ave	0.7327	0.7178		9.79	10.0	-2.0	30.0
Bromoform	Ave	0.4668	0.4547		9.74	10.0	-2.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.6806		9.72	10.0	-2.8	30.0
4-Ethyltoluene	Ave	1.363	1.408		10.3	10.0	3.3	30.0
2-Chlorotoluene	Ave	1.217	1.201		9.86	10.0	-1.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.157		10.3	10.0	2.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.162		10.4	10.0	4.4	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7144		9.46	10.0	-5.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7004		9.43	10.0	-5.7	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6845		9.56	10.0	-4.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3443		9.47	10.0	-5.3	30.0
Hexachlorobutadiene	Ave	0.3274	0.2939		8.97	10.0	-10.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.128		10.7	10.0	6.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.386		9.95	10.0	-0.4	30.0
Chloromethane	Ave	1.033	1.011		9.78	10.0	-2.2	30.0
Vinyl chloride	Ave	1.233	1.151		9.33	10.0	-6.6	30.0
1,3-Butadiene	Ave	0.9312	0.8599		9.23	10.0	-7.7	30.0
Bromomethane	Ave	1.085	1.013		9.34	10.0	-6.6	30.0
Chloroethane	Ave	0.6096	0.5838		9.58	10.0	-4.2	30.0
Vinyl bromide	Ave	1.151	1.095		9.51	10.0	-4.9	30.0
Trichlorofluoromethane	Ave	3.030	3.181		10.5	10.0	5.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.313		9.84	10.0	-1.5	30.0
1,1-Dichloroethene	Ave	1.199	1.155		9.63	10.0	-3.7	30.0
Acetone	Ave	1.414	1.537		10.9	10.0	8.7	30.0
Isopropanol	Ave	1.106	1.113		10.1	10.0	0.6	30.0
Carbon disulfide	Ave	3.589	3.645		10.2	10.0	1.6	30.0
Allyl chloride	Ave	1.761	1.803		10.2	10.0	2.4	30.0
Methylene Chloride	Ave	1.254	1.254		10.0	10.0	0.0	30.0
tert-Butyl alcohol	Ave	1.571	1.629		10.4	10.0	3.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.306		9.99	10.0	-0.1	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.862		10.2	10.0	2.0	30.0
n-Hexane	Ave	2.177	2.165		9.95	10.0	-0.5	30.0
1,1-Dichloroethane	Ave	2.305	2.362		10.2	10.0	2.5	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5668		9.51	10.0	-4.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.343		9.95	10.0	-0.5	30.0
Tetrahydrofuran	Ave	0.1887	0.1930		10.2	10.0	2.2	30.0
Chloroform	Ave	2.638	2.770		10.5	10.0	5.0	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.4996		10.5	10.0	5.2	30.0
Cyclohexane	Ave	0.3427	0.3291		9.60	10.0	-3.9	30.0
Carbon tetrachloride	Ave	0.4637	0.4915		10.6	10.0	6.0	30.0
2,2,4-Trimethylpentane	Ave	1.165	1.150		9.87	10.0	-1.3	30.0
Benzene	Ave	0.7557	0.7206		9.53	10.0	-4.6	30.0
1,2-Dichloroethane	Ave	0.2884	0.3008		10.4	10.0	4.3	30.0
n-Heptane	Ave	0.4261	0.4146		9.73	10.0	-2.7	30.0
Trichloroethene	Ave	0.3252	0.3258		10.0	10.0	0.2	30.0
1,2-Dichloropropane	Ave	0.2579	0.2535		9.82	10.0	-1.7	30.0
Methyl methacrylate	Ave	0.2143	0.2135		9.96	10.0	-0.4	30.0
1,4-Dioxane	Ave	0.0879	0.0906		10.3	10.0	3.0	30.0
Bromodichloromethane	Ave	0.4956	0.5248		10.6	10.0	5.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.4001		10.1	10.0	1.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Lab Sample ID: CCVC 200-34384/28 Calibration Date: 03/02/2012 08:44

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqe028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 275682

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.3962		10.0	10.0	0.1	30.0
Toluene	Ave	0.6036	0.5968		9.89	10.0	-1.1	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3911		10.3	10.0	3.5	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2787		10.1	10.0	0.7	30.0
Tetrachloroethene	Ave	0.4505	0.4382		9.73	10.0	-2.7	30.0
Dibromochloromethane	Ave	0.5267	0.5576		10.6	10.0	5.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.5169		10.2	10.0	2.2	30.0
Chlorobenzene	Ave	0.7815	0.7773		9.94	10.0	-0.5	30.0
Ethylbenzene	Ave	1.224	1.235		10.1	10.0	0.9	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4768		19.6	20.0	-2.1	30.0
o-Xylene	Ave	0.4724	0.4664		9.87	10.0	-1.3	30.0
Styrene	Ave	0.7327	0.7399		10.1	10.0	1.0	30.0
Bromoform	Ave	0.4668	0.4802		10.3	10.0	2.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.7041		10.1	10.0	0.6	30.0
4-Ethyltoluene	Ave	1.363	1.426		10.5	10.0	4.6	30.0
2-Chlorotoluene	Ave	1.217	1.249		10.3	10.0	2.6	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.204		10.7	10.0	6.9	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.192		10.7	10.0	7.1	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.7405		9.80	10.0	-1.9	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.7313		9.84	10.0	-1.6	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.7073		9.87	10.0	-1.2	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3555		9.78	10.0	-2.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.3124		9.54	10.0	-4.6	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9496-1

SDG No.:

Instrument ID: C.i Start Date: 02/28/2012 09:05

Analysis Batch Number: 34272 End Date: 02/29/2012 07:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34272/1		02/28/2012 09:05	1	ckqc001.d	RTX-624 0.32(mm)
CCVIS 200-34272/2		02/28/2012 09:57	1	ckqc002.d	RTX-624 0.32(mm)
MB 200-34272/3		02/28/2012 10:47	1	ckqc003.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 11:37	1		RTX-624 0.32(mm)
LCS 200-34272/5		02/28/2012 12:28	1	ckqc005.d	RTX-624 0.32(mm)
LCS 200-34272/6		02/28/2012 13:18	1	ckqc006.d	RTX-624 0.32(mm)
LCS 200-34272/7		02/28/2012 14:08	1	ckqc007.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 14:58	0.4		RTX-624 0.32(mm)
200-9496-2	4872	02/28/2012 15:48	0.4	ckqc009.d	RTX-624 0.32(mm)
ZZZZZ		02/28/2012 16:38	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 17:28	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 18:18	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:08	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 19:58	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 20:48	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 21:37	0.4		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 22:27	1		RTX-624 0.32(mm)
ZZZZZ		02/28/2012 23:17	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 00:56	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 01:46	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 02:36	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 03:27	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 04:17	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:07	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 05:57	10		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 06:47	10		RTX-624 0.32(mm)
CCVC 200-34272/28		02/29/2012 07:37	1	ckqc028.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NS

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	Kristine Dusablon	William D. Goodrich	Angela H. Keene	Paul D. A.	
Signature	Kristine Dusablon	William D. Goodrich	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	Ok
0912	002	4632	VIBLK		1	200		✓	✓	KRD	—
1002	003	3570	IC Level 8		2	40		NA	✓	KRD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	ICIS Level 4		5				✓	✓	275682
1413	008	3643	IC Level 5		6				✓		279073
1503	009	3551	IC Level 6		7				✓		279072
1553	010	3631	IC Level 7		8				✓		275630
1643	011	4632 VIBLK	IC Level 8		1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Close
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960			9			✓	NA		290911 Value Close
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	ok
2324	017 019	5033	680-76954-1	10	10	20	KRD	—	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 023	4565	-5	964	14	35		✓ KRP 2/28/12	✓		CDF 168.78 ~~ER~~ OR
0337	022 024	4471	9412-17	2.99	15	67	KRD	✓	✓		C KRP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 1201 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822		ISTD Lot #: 345052	Instrument ID: C
Test Method: TO15 / TO15LL-MS	End Date: 2/25/12	Time: 0822		CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 02/24/12				ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	CKQ028	4427	9412-23	10	6	20					
	↓ 025	5044	-24	10.1	7	30					CDF/02
2054	CKQ016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905	ISTD Lot #: 248052	Instrument ID: C
Test Method: TO15-L-NJ	End Date: 2/29/12	Time: 0905	CAL STD Lot # 275682	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 279336/279314/275708	Column Type: RTX-624

	Manager MTP	Analyst WRD	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	William DeStandley	Angela H. Keene		
Signature	Mark Phillips		Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0905	CKQC001		BFB	NA	NA	NA	WRD	NA	NA	WRD	
0957	02	3543	CCV		1	200		NA	✓		
1047	03	4632	MB		2			✓	✓		
1137	04	2969	not used		3						Valve closed
1228	05	2969	0.2RLCS		3			✓	✓		2↑
1318	06	3639	0.5RLCS		4			✓	✓		1↑
1408	07	2518	1.0RLCS		5			✓	✓		AG
1458	08	3686	9468-8	0.4	6	500		✓	✓	AHK	Both Cat C
1548	09	4872	9496-2	0.4	7	500		✓	✓		C
1638	10	4328	9498-8	0.4	8	500		✓	✓		C
1728	11	3048	9508-5	0.4	9	500		✓	✓		
1818	12	2596	9511-11	0.4	10	500		✓	✓		
1908	13	2780	9478-9	0.4	11	500		✓	✓	WRD	Ind. Cat
1958	14	5753	-10		12			✓	✓		
2048	15	2521	-11		13			✓	✓		
2137	16	4547	-12		14			✓	✓		
2227	17	3022	9482-1	1	15	200		✓	✓		C
2317	18	4097	-2	1	16	1		✓	✓		C
0007	19	4392	9466-1	10	1	20	WRD	✓	✓		C
0056	20	3582	-2		2			✓	✓		C
0146	21	4965	-3		3			✓	✓		C
0236	22	4651	-4		4			✓	✓		C
0327	23	4950	-5		5			✓	✓		C
0417	24	3809	-6		6			✓	✓		C
0507	25	2983	-7		7		AHK	✓	✓		C
0557	26	3691	-8		8			✓	✓		C
0647	27	4645	-09		9			✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQC	Start Date: 2/28/12	Time: 0905	ISTD Lot #:	Instrument ID: C
Test Method: TO15LLM	End Date: 2/29/12	Time: 0805	CAL STD Lot #	Instrument: 5973
ICAL Date:			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0737	CKQC 028	3543	CCVC	NA	10	200	AHK	✓	✓	WRD	AG-
~~1~~	~~1 029~~	~~3543~~		~~NA~~	~~10~~	~~200~~	~~AHK~~				did not run

2/29/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9518-1

SDG No.:

Instrument ID: C.i Start Date: 02/29/2012 10:13

Analysis Batch Number: 34324 End Date: 03/01/2012 08:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34324/1		02/29/2012 10:13	1	ckqd001.d	RTX-624 0.32(mm)
CCVIS 200-34324/2		02/29/2012 11:03	1	ckqd002.d	RTX-624 0.32(mm)
MB 200-34324/3		02/29/2012 11:55	1	ckqd003.d	RTX-624 0.32(mm)
LCS 200-34324/4		02/29/2012 12:45	1	ckqd004.d	RTX-624 0.32(mm)
LCS 200-34324/5		02/29/2012 13:35	1	ckqd005.d	RTX-624 0.32(mm)
LCS 200-34324/6		02/29/2012 14:25	1	ckqd006.d	RTX-624 0.32(mm)
200-9518-4	5045	02/29/2012 15:15	0.4	ckqd007.d	RTX-624 0.32(mm)
ZZZZZ		02/29/2012 16:06	9.97		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 16:56	99.7		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 17:46	9.98		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 18:35	99.8		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 19:25	9.98		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 20:15	49.9		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 21:05	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 21:55	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 22:45	1		RTX-624 0.32(mm)
ZZZZZ		02/29/2012 23:35	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 00:25	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 01:15	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 02:05	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 02:55	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 03:45	10		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 04:35	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 05:25	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 06:15	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 07:05	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 07:55	1		RTX-624 0.32(mm)
CCVC 200-34324/28		03/01/2012 08:45	1	ckqd028.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345653 2	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	Kristine Dusablon	William D. Jordan	Angela H. Keene	Paul D.	
Signature	Kristine Dusablon	William D. Jordan	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	Ok
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3570	IC Cal 8		2	40		NA	✓	WRD	279316
1052	004	3570	IC Cal 1		2	200			✓		279316
1142	005	2603	IC Cal 2		3				✓		279315
1232	006	3093	IC Cal 3		4				✓		275709
1322	007	3543	IC IS Cal 4	2	5				✓		275682
1413	008	3643	IC Cal 5	4	6				✓		279073
1503	009	3557	IC Cal 6	2	7				✓		279072
1553	010	3631	IC Cal 7	3	8				✓		275630
1643	011	4632 VIBLK	IC Cal 8	3.4	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Value Close
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Close
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	Ok
2324	017 019	5033	680-76954-1	10	10	20	WRD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	~~019~~ 021	4374	-3	1	12	200		✓	✓		C
0155	~~020~~ 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	2/24/12 021 023	4565	-5	964	14	35		KLP 2/28/12 ✓	✓		CDF 168.78 RR OR
0337	022 024	4471	9412-17	2.99	15	67	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	~~024~~ 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 12.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID:	CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method:	TO15 / TO15LL	End Date: 2/25/12	Time: 0022	CAL STD Lot # See comments	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4427	9412-23	10	6	20					
	↓ 029	5044	-24	10.1	7	30					CDF 1.52
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290714, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQD	Start Date: 2/29/12	Time: 1013	ISTD Lot #:	248052	Instrument ID: C
Test Method:	TO15 NSLL	End Date: 3/1/12	Time: 1013	CAL STD Lot #	225682	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	279336 / 279314 / 255708	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
	MTP	WHD	AHK		
Name/Initial	Mark Phillips	William D. Howdon	Angela H. Keene		
Signature	Mark Phillips		Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1013	CKQD 001		BFB	1A	NA	NA	WHD	NA	NA	WHD	
1103	02	3543	CCV		1	200		NA	✓		AG
1155	03	4632	MB		2			✓	✓		
1245	04	2969	0.2 RLLCS		3			✓	✓		AG
1335	05	3639	0.5 RLLCS		4			✓	✓		AG
1425	06	2518	5.0 RLLCS		5			✓	✓		AG
1515	07	5045	9518-4	0.4	6	500	WHD	✓	✓		C
1606	08	2990	9488-7	9.97	7	200		✓	↑ ✓		CDF 9.97
1656	09	2990	-7	99.7	7	20		✓	✓ DL		9.97 C
1746	10	3361	-8	9.98	8	200		✓	↑ ✓		9.98
1835	11	3361	-8	99.8	8	20		✓	✓ DL		9.98 C
1925	12	3334	-9	9.98	9	200		✓	↑ ✓		9.98
2015	13	3334	-9	49.9	9	40		✓	✓ DL		9.98 C
2105	14	2693	9488-1		10	200	WHD	✓	✓		C
2155	15	4817	-2		11			✓	✓		C
2245	16	3666	-3		12			✓	✓		C
2335	17	3276	-4		13			✓	✓		C
0025	18	3532	-5		14			✓	✓		C
0115	19	3044	-6		15			✓	✓		C
0205	20	3591	9466-10	10	16	20		✓	✓		C
0255	21	3811	-11		1			✓	✓		C
0345	22	4641	-12		2			✓	✓		C
0435	23	3286	9466-13	1	3	200		✓	✓		C
0525	24	3272	-14		4			✓	✓		C
0615	25	4804	-15		5			✓	✓		C
0705	26	5067	-16		6			✓	✓		C
0755	27	3083	-17	1	7		AHK	✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: CKQD	Start Date: 2/29/12	Time: 1013		ISTD Lot #:	Instrument ID: C
Test Method: TO15LLMS	End Date: 3/1/12	Time: 1013		CAL STD Lot #	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0845	CKQD 28	3543	CCV	NA	8	200	AHL	✓	✓	WRD	AC
	~~1 29~~	~~3543~~		~~NA~~	~~8~~	~~200~~	~~AHL~~				Did not run

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 245653 2	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0522	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	KAD Kristine Dusablon	WD William DeJardin	AHK Angela H. Keene	PAD Paul D	
Signature	Kristine Dusablon		Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	ok
0912	002	4632	VIBLK		1	200		✓	✓	WD	—
1002	003	3570	IC Level 8		2	40		NA	✓	WD	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC IS Level 4		5				✓	✓	275682
1413	008	3643	IC Level 5		6				✓		279073
1503	009	3557	IC Level 6		7				✓		279072
1553	010	3631	IC Level 7		8				✓		275630
1643	011	4632 VIBLK	IC Level 8		1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Biased
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Biased
2234	~~016~~ 018	4632	MB		1			✓	✓	AHK	ok
2324	017 019	5033	680-7954-1	10	10	20	WD	—	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	019 021	4374	-3		12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	021 023	4565	-5	964	14	35		KLP 2/28/12	✓		CDF 168.78 RR 02
0337	022 024	4471	9412-17	2.99	15	67	WD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 1.201 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	45	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0522		ISTD Lot #: 345052	Instrument ID: C
Test Method: TCLP / TOTAL	End Date: 2/25/12	Time: 0122		CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 02/24/12				ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4477	9412-23	10	6	20					
	↓ 025	3044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

34384

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQE	Start Date: 3/1/12	Time: 1011	ISTD Lot #:	248052	Instrument ID: C
Test Method:	TO15LL/S	End Date: 3/2/12	Time: 1011	CAL STD Lot #	275682	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	279336 / 279314 / 275208	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	Mark Phillips	William DeStefano	Paul Daigle		
Signature	Mark Phillips		PAD		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1011	CKQE 001	N/A	BFB	NA			WND	NA	NA	WND	
1101	02	3543	ICV		1	200		M	✓		AG
1151	03	4632	MB		2			✓	✓		
1241	04	2769	0.2RLLCS		3			✓	✓		AG
1332	05	3639	0.5RLLCS		4			✓	✓		↓↑
1422	06	2518	5.0RLLCS		5			✓	✓		AG
1512	07	3459	9523-8	0.4	6	500		✓	✓		
1602	08	3620	9525-2	0.4	7	500		✓	✓		
1653	09	3621	9466-18	1	8	200		✓	✓	AHH	C
1743	10	4153	-19		9			✓	✓	AHH	C
1835	11	5145	-20		10			✓	✓	PAD	C TICs ✓
1923	12	4782	-21		11			✓	✓		C TICs ✓
2013	13	5976	-22		12			✓	✓		C
2103	14	3224	-23		13			✓	✓		C
2153	15	4776	-24		14			✓	✓		C
2243	16	4815	-25		15			✓	✓		C
2333	17	4874	-26		16			✓	✓		C
0023	18	4470	9493-1	1	1	200		✓	✓		C TICs ✓
0113	19	4545	-2		2			✓	✓		C TICs ✓
0203	20	4310	-3		3			✓	✓		C
0253	21	3584	-4	10	4	80		✓	↑ ✓		CDF 4.0 MC C
0343	22	3584	-4	32	4	25		✓	✓		CDF 4.0 C
0433	23	3577	-5	10	5	20		✓	✓		C
0523	24	2741	9494-1	1	6	200	WND	✓	✓		C
0613	25	3975	-2	1	7			✓	✓		C
0704	26	5080	-3	1	8			✓	✓		C
0754	27	5080	-3	2	8	100		✓	—		not needed

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

PAD 03/02/12

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQE	Start Date: 03/02/12	Time: 1011	ISTD Lot #:	Instrument ID: C
Test Method: TO15LL-NJ	End Date: 03/02/12	Time: 1011	CAL STD Lot #	Instrument: 5973
ICAL Date:			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0844	CKQE 028	3543	CCVC	NA	9	200	AHK	✓	✓	PAD	AG

PAD 03/02/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9523-1

SDG No.:

Instrument ID: C.i Start Date: 03/01/2012 10:11

Analysis Batch Number: 34384 End Date: 03/02/2012 08:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34384/1		03/01/2012 10:11	1	ckqe001.d	RTX-624 0.32(mm)
CCVIS 200-34384/2		03/01/2012 11:01	1	ckqe002.d	RTX-624 0.32(mm)
MB 200-34384/3		03/01/2012 11:51	1	ckqe003.d	RTX-624 0.32(mm)
LCS 200-34384/4		03/01/2012 12:41	1	ckqe004.d	RTX-624 0.32(mm)
LCS 200-34384/5		03/01/2012 13:32	1	ckqe005.d	RTX-624 0.32(mm)
LCS 200-34384/6		03/01/2012 14:22	1	ckqe006.d	RTX-624 0.32(mm)
200-9523-8	3459	03/01/2012 15:12	0.4	ckqe007.d	RTX-624 0.32(mm)
ZZZZZ		03/01/2012 16:02	0.4		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 16:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 17:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 18:33	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 19:23	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 20:13	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:03	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 22:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 23:33	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 00:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 01:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:03	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:53	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 03:43	32		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 04:33	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 05:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 06:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:04	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:54	2		RTX-624 0.32(mm)
CCVC 200-34384/28		03/02/2012 08:44	1	ckqe028.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345653	Instrument ID: C
Test Method: TO15 / TO15LLNJ	End Date: 2/25/12	Time: 0522	CAL STD Lot # See comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager KAD	Analyst WD	Analyst AHK	Analyst PAD	Analyst
Name/Initial	Kristine Dugablon	William DeJardin	Angela H. Keene	Paul Daigle	
Signature	Kristine Dugablon		Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	OK
0912	002	4632	VIBLK		1	200		✓	✓	WD	—
1002	003	3510	IC Level 8		2	40		NA	✓	(WD)	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	IC IS Level 4	2nd Inj	5				✓	✓	275682
1413	008	3643	IC Level 5	2nd Inj	6				✓		279073
1503	009	3551	IC Level 6	2nd Inj	7				✓		279072
1553	010	3631	IC Level 7	2nd Inj	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	2nd Inj	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Closed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA		290911 Value Closed
2234	016 016	4632	MB		1			✓	✓	AHK	OK
2324	017 017	5033	680-7954-1	10	10	20	WD	—	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓		CDF 3.64 C, RR
0105	2/25 019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 3.424 C
0246	2/24 021 023	4565	-5	964	14	35		✓ KLP 2/28/12	✓		CDF 168.78 ER OK
0337	022 024	4471	9412-17	2.99	15	67	WD	✓	✓		C KLP 2/28/12
0427	2/25 023 025	2855	-18	2	16	106		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 12.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	4,5	20		✓	✓		C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability		Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345052		Instrument ID: C
Test Method: TO15 / TO15LL-M	End Date: 2/25/12	Time: 0022	CAL STD Lot # See comments		Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # ↓		Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	CKQ028	4477	9412-23	10	6	20					
	↓ 025	3044	-24	10.1	7	30					CDF/52
2054	CKQ016	2960	DCV	NA	9	200	WRD	✓	✓	AHR	290911, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

#34384

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQE	Start Date:	3/1/12 Time: 1011	ISTD Lot #:	248052	Instrument ID: C
Test Method:	TOLLIS	End Date:	3/2/12 Time: 1011	CAL STD Lot #	275682	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	279336 / 279314 / 275248	Column Type: RTX-624

	Manager MTP	Analyst WAD	Analyst	Analyst	Analyst
Name/Initial	Mark Phillips	William DesJardins	Paul Daigle		
Signature	Mark Phillips	William DesJardins	Paul Daigle PAD		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1011	CKQE 001	N/A	BFB	NA			WAD	NA	NA	WAD	
1101	02	3543	ICV		1	200		NA	✓		AG
1151	03	4632	MB		2			✓	✓		
1241	04	2569	0.2RLLCS		3			✓	✓		AG
1332	05	3639	0.5RLLCS		4			✓	✓		↓↑
1422	06	2518	5.0RLLCS		5			✓	✓		AG
1512	07	3459	9523-8	0.4	6	500		✓	✓		
1602	08	3620	9525-2	0.4	7	500		✓	✓		
1653	09	3621	9466-18	1	8	200		✓	✓	AHH	C
1743	10	4153	-19		9			✓	✓	AHH	C
1833	11	5145	-20		10			✓	✓	PAD	C TICs ✓
1923	12	4782	-21		11			✓	✓		C TICs ✓
2013	13	5976	-22		12			✓	✓		C
2103	14	3224	-23		13			✓	✓		C
2153	15	4776	-24		14			✓	✓		C
2243	16	4815	-25		15			✓	✓		C
2333	17	4874	-26		16			✓	✓		C
0023	18	4470	9493-1	1	1	200		✓	✓		C TICs ✓
0113	19	4545	-2		2			✓	✓		C TICs ✓
0203	20	4310	-3		3			✓	✓		C
0253	21	3584	-4	10	4	80		✓	↑ ✓		CDF 4.0 MC C
0343	22	3584	-4	32	4	25		✓	✓		CDF 4.0 C
0433	23	3577	-5	10	5	20		✓	✓		C
0523	24	2741	9494-1	1	6	200	WAD	✓	✓		C
0613	25	3975	-2	1	7			✓	✓		C
0704	26	5080	-3	1	8			✓	✓		C
0754	27	5080	-3	2	8	100		✓	—		not needed

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

PAD 03/02/12

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQE	Start Date: 03/02/12	Time: 1011	ISTD Lot #:	Instrument ID: C
Test Method: TO15LL-NJ	End Date: 03/02/12	Time: 1011	CAL STD Lot #	Instrument: 5973
ICAL Date:			ICV / LCS Lot #	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0844	CKQE 028	3543	CCVC	NA	9	200	AHK	✓	✓	PAD	AG

PAD 03/02/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9525-1

SDG No.:

Instrument ID: C.i Start Date: 03/01/2012 10:11

Analysis Batch Number: 34384 End Date: 03/02/2012 08:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34384/1		03/01/2012 10:11	1	ckqe001.d	RTX-624 0.32(mm)
CCVIS 200-34384/2		03/01/2012 11:01	1	ckqe002.d	RTX-624 0.32(mm)
MB 200-34384/3		03/01/2012 11:51	1	ckqe003.d	RTX-624 0.32(mm)
LCS 200-34384/4		03/01/2012 12:41	1	ckqe004.d	RTX-624 0.32(mm)
LCS 200-34384/5		03/01/2012 13:32	1	ckqe005.d	RTX-624 0.32(mm)
LCS 200-34384/6		03/01/2012 14:22	1	ckqe006.d	RTX-624 0.32(mm)
ZZZZZ		03/01/2012 15:12	0.4		RTX-624 0.32(mm)
200-9525-2	3620	03/01/2012 16:02	0.4	ckqe008.d	RTX-624 0.32(mm)
ZZZZZ		03/01/2012 16:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 17:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 18:33	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 19:23	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 20:13	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:03	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 21:53	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 22:43	1		RTX-624 0.32(mm)
ZZZZZ		03/01/2012 23:33	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 00:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 01:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:03	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 02:53	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 03:43	32		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 04:33	10		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 05:23	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 06:13	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:04	1		RTX-624 0.32(mm)
ZZZZZ		03/02/2012 07:54	2		RTX-624 0.32(mm)
CCVC 200-34384/28		03/02/2012 08:44	1	ckqe028.d	RTX-624 0.32(mm)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

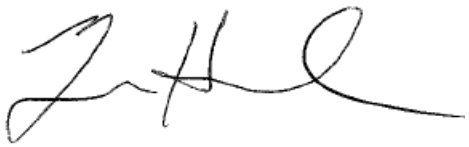
Job Number: 200-10127-1

SDG Number: 200-10127-1

Job Description: Fort Monmouth

For:
Bureau Veritas North America, Inc.
3380 Chastain Meadows Parkway
Suite 300
Kennesaw, GA 30144

Attention: Mr. Chris Ostermann



Approved for release.
Ryan J Hammond
Project Manager I
4/13/2012 1:46 PM

Ryan J Hammond
Project Manager I
ryan.hammond@testamericainc.com
04/13/2012

cc: Geoffrey Clark

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

Table of Contents

Cover Title Page 1

Sample List 4

External Chain of Custody 5

Internal Chain of Custody 6

Shipping Documentation 7

- Airbills (if Applicable) 8
- Sample Receipt and Log In Check List 9

Standards Traceability 10

Methodology Review 78

Report Narrative 79

- Case Narrative 79
- Manual Integration Documentation 80
- Data Sheets in Excel 86
- Qualifier Definition 91

Method Detection Limit Studies 92

- Method Detection Limit Study Summary 92
- Verified MDL Summary 98

Organic Sample Data 106

- Air - GC/MS VOA 106
  - Method TO15 Low Level - New Jersey 106
    - QC Summary 107
      - Reporting Limit Laboratory Control Sample Summary 107
      - Method Blank Summary 109
      - Instrument Performance Check 110
      - Internal Standard and RT Summary 112
    - Sample Data 114

Table of Contents

Standards Data 134

Method TO15 Low Level - New Jersey Initial Calibration 134

Method TO15 Low Level - New Jersey Initial Calibration Verification Sample Standard Summary . . . 182

Method TO15 Low Level - New Jersey Continuing Calibration Summary(ies) 187

Raw QC Data 201

GC/MS Tune Perfromance DataMethod TO15 Low Level - New Jersey Tune Data 201

Method TO15 Low Level - New Jersey Blank Data 209

Reporting Limit Laboratory Control Sample DataMethod TO15 Low Level - New Jersey LCS/LCSD Data 214

Sample Preparation 225

Method TO15 Low Level - New Jersey Instrument Run Logs (sample data run logs) 225

Method TO15 Low Level - New Jersey Air Canister Receipt Pressure Check 230

Clean Canister Certification Data 231

Pre-Shipment Clean Canister Certification Report 231

Laboratory Control Sample Summary 233

Method Blank Summary and Data Report 241

Instrument Performance Check 255

Internal Standard Area and RT Summary 259

Clean Canister Data 263

Initial Calibration Summary 275

Initial Calibration Verification Sample Standard Summary 291

Continuing Calibration Summary(ies) including Closing CCV 295

Instrument Run Logs (clean canister run logs) 303

ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON, NEW JERSEY 08625

Agency/Division:	NA	**Bureau/Office:**	NA
Project No:	NA	**Contract No.:**	NA
Laboratory Name:	TestAmerica Laboratories	**Laboratory Location:**	South Burlington, Vermont
SDG or Batch No.:	200-10127-1	**NJDEP Certification No.:**	VT972
Date of First Sample Receipt:	03/31/2012	**Date of Last Sample Receipt:**	03/31/2012

Agency Sample Number	Laboratory Sample Number	Sample Location	Date and Time of Collection
BLDG602 AA-2	200-10127-1	BLDG602 AA-2	03/29/2012 14:16
BLDG602 IA-3	200-10127-2	BLDG602 IA-3	03/29/2012 14:20
BLDG602 SS-4	200-10127-3	BLDG602 SS-4	03/30/2012 15:44
BLDG602 SS-5	200-10127-4	BLDG602 SS-5	03/30/2012 17:04

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable date submitted on disk or electronically has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager (Typed):	William S. Cicero	**Date:**
Laboratory Manager (Signature):		
Quality Assurance Manager (Typed):	Kirstin Daigle	**Date:**
Quality Assurance Manager (Signature):		

Chain of Custody

AECOM
675 N. Washington Street
Alexandria, Virginia 22314
Phone No. (703) 549-8728; Fax No. (703) 549-9134

AECOM

PAGE ___ OF ___

Laboratory	Project Name	Analysis	Chain of Custody No.
Test America Burlington	FORT MONMOUTH VI INVESTIGATION [60146397]	TO15 Target - Low Level TO-15 List	**20012** Batch Apr10
Address 30 Community Drive	Point of Contact / Phone No. GEOFFREY CLARK geoffrey.clark@us.bureauveritas.com devon.chicoine@aecom.com		
City South Burlington / **State** VT / **Zip** 05403	Site Contact / Phone No. GEOFFREY CLARK 732-623-4555 elizabeth.larsen@aecom.com		

ERPIMS Information			Other Sample Information										
LOCID	SA Code	Samp No	Sample I.D.	Date	Time Start	Time Stop	Vacuum Start	Vacuum Stop	Matrix	Flow Controller ID	Canister ID	TO15	Comment
BLDG 602			AA-2	3/29/12	14:16	14:16	-28	-7	Air	3854	4557	X	
BLDG 602			FA-3	3/29/12	14:20	14:20	<-30	-9	Air	529	2723	X	
BLDG 602			SS-4	3/30/12	15:14	15:24	<-30	-1	Air	4640	3219	X	
BLDG 602			SS-5	3/30/12	16:34	17:04	-26	-5	Air	5321	4074	X	

		Date	Time		Date	Time
1. Relinquished By / Company		3/30/12	19:00	1. Received By / Company TestAmerica Edison	3/30/12	1900
2. Relinquished By / Company TestAmerica Edison		3/30/12	19:15	2. Received By / Company UPS	Date	Time
3. Relinquished By / Company		Date	Time	3. Received By / Company TABUR	3/31/12	0845
4. Relinquished By / Company		Date	Time	4. Received By / Company	Date	Time
5. Relinquished By / Company		Date	Time	5. Received By / Company	Date	Time

Comments: See Don Dewicky. Calibrate for all TO-15 (Low Level) Compounds, but report as above

DISTRIBUTION: WHITE - Stays with sample; CANARY - Returned to Client with Report; PINK - Field Copy

TestAmerica Burlington

INTERNAL CHAIN OF CUSTODY LOG (ICOC)

Project Information:	
Log In #: 200-10127	**Method:** TO-15LL NJ
Client: bureau veritas	**LAB IDs:** 200-10127-1 TO 200-10127-4

Samples associated with this log-in were placed into storage on 3/31/2012 (Date) 10:24 (Time[2]) **by:** *Sample Custodian Signature*

Storage Location: AIR STORAGE *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ☐ Refrigeration ☐ Frozen ☑ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		200-10127-1-4	4/2/12	1555	x			Angela H. Keene	Angela H. Keene	pressure check
✓		"	4/2/12	1610			x	Angela H. Keene	Angela H. Keene	storage
✓		"	4/2/12	1615		x		Angela H. Keene	Angela H. Keene	current analysis
✓		"	4/11/12	1000			✓	Paul O'A	Paul O'A	storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

Shipping and Receiving Documents

2) 549-3900
ERN TRENT LABS
NEW DURHAM ROAD
SON NJ 08837

8 LBS

1 OF 1

IP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

'S NEXT DAY AIR

CKING #: 1Z 083 95E 44 5257 2460

1 S

ING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

(732) 549-3900
SEVERN TRENT LABS
777 NEW DURHAM ROAD
EDISON NJ 08837

8 LBS

1 OF 1

SHIP TO:
SAMPLE CUSTODY
(802) 655-1203
TEST AMERICA BURLINGTON
SUITE 11
30 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5274 4051

1 S

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

BILLING: F/C BILL RECEIVER

WS 15.0.15 LP2844 24.0A 01/2012

UPS NEXT DAY AIR

TRACKING #: 1Z 083 95E 44 5233 5476

1 S

VT 054 0-02

549-3900
TRENT LABS
NEW DURHAM ROAD
NJ 08837

TO:
AMPLE CUSTODY
802) 655-1203
EST AMERICA BURLINGTON
SUITE 11
0 COMMUNITY DRIVE
OUTH BURLINGTON VT 05403

35 LBS

1 OF 1

Login Sample Receipt Checklist

Client: Bureau Veritas North America, Inc.

Job Number: 200-10127-1
SDG Number: 200-10127-1

Login Number: 10127
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00066	05/29/12	03/12/12	DI WATER, Lot 5015	15.463 L	ATTO15CAL6w_00047	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloroethene, cis-	0.20044 ppb v/v
							1,2-Dichloroethene, trans-	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2-Butanone (MEK)	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methyl-2-propanol	0.20044 ppb v/v
							3-Chloro-1-propene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Butadiene	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodibromomethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dichlorobromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Ethylene Dibromide	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Hexane	0.20044 ppb v/v
							Isooctane	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							m-Xylene & p-Xylene	0.400879 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							o-Xylene	0.20044 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Vinyl bromide	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	3 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL2w_00056	05/29/12	03/12/12	DI WATER, Lot 4837	15.463 L	ATTO15CAL6w_00047	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloroethene, cis-	0.500453 ppb v/v
							1,2-Dichloroethene, trans-	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2-Butanone (MEK)	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-2-propanol	0.500453 ppb v/v
							3-Chloro-1-propene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (MIBK)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butadiene	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodibromomethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dichlorobromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Ethylene Dibromide	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Hexane	0.500453 ppb v/v
							Isooctane	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	1.00091 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Vinyl bromide	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
.ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
..ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL3w_00066	05/29/12	03/10/12	DI WATER, Lot 3535	15.463 L	ATTO15CALSTKi_00030	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloroethene, cis-	4.99256 ppb v/v
							1,2-Dichloroethene, trans-	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2-Butanone (MEK)	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methyl-2-propanol	4.99256 ppb v/v
							3-Chloro-1-propene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (MIBK)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Butadiene	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodibromomethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dichlorobromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	4.99256 ppb v/v
							Ethylene Dibromide	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Hexane	4.99256 ppb v/v
							Isooctane	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							m-Xylene & p-Xylene	9.98513 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Vinyl bromide	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00184	05/29/12	03/10/12	DI WATER, Lot 2603	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	9.99806 ppb v/v
							2-Butanone (MEK)	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methyl-2-propanol	9.99806 ppb v/v
							3-Chloro-1-propene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (MIBK)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butadiene	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodibromomethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dichlorobromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Ethylene Dibromide	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	9.99806 ppb v/v
							Isooctane	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m-Xylene & p-Xylene	19.9961 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl bromide	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL4w_00190	05/29/12	04/10/12	DI WATER, Lot 3040	15.463 L	ATTO15CALSTKi_00030	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12	Spectra Gases, Lot cc-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL5w_00023	05/29/12	03/10/12	DI WATER, Lot 3089	15.463 L	ATTO15CALSTKi_00030	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloroethene, cis-	15.0036 ppb v/v
							1,2-Dichloroethene, trans-	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2-Butanone (MEK)	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methyl-2-propanol	15.0036 ppb v/v
							3-Chloro-1-propene	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (MIBK)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Butadiene	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodibromomethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dichlorobromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Ethylene Dibromide	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Hexane	15.0036 ppb v/v
							Isooctane	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v
							m-Xylene & p-Xylene	30.0071 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Vinyl bromide	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	1 ppm v/v
ATTO15CAL6w_00047	05/29/12	03/10/12	DI WATER, Lot 2887	15.463 L	ATTO15CALSTKi_00030	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloroethene, cis-	19.9961 ppb v/v
							1,2-Dichloroethene, trans-	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2-Butanone (MEK)	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methyl-2-propanol	19.9961 ppb v/v
							3-Chloro-1-propene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (MIBK)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butadiene	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodibromomethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dichlorobromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Ethylene Dibromide	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Hexane	19.9961 ppb v/v
							Isooctane	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							m-Xylene & p-Xylene	39.9922 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Vinyl bromide	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CAL7w_00024	05/29/12	03/10/12	DI WATER, Lot 3155	15.463 L	ATTO15CALSTKi_00030	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloroethene, cis-	39.9922 ppb v/v
							1,2-Dichloroethene, trans-	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2-Butanone (MEK)	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Methyl-2-propanol	39.9922 ppb v/v
							3-Chloro-1-propene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Methyl-2-pentanone (MIBK)	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butadiene	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodibromomethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dichlorobromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Ethylene Dibromide	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v
							Hexane	39.9922 ppb v/v
							Isooctane	39.9922 ppb v/v
							Isopropyl alcohol	39.9922 ppb v/v
							m-Xylene & p-Xylene	79.9845 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							o-Xylene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	39.9922 ppb v/v
							Toluene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Vinyl bromide	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
.ATTO15CALSTKi_00030	05/29/12	02/29/12	DI WATER, Lot 1003	37.5 L	ATTO15CALs_00008	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2-Butanone (MEK)	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methyl-2-propanol	200 ppb v/v
							3-Chloro-1-propene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (MIBK)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butadiene	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodibromomethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dichlorobromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Ethylene Dibromide	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Hexane	200 ppb v/v
							Isooctane	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m-Xylene & p-Xylene	400 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Heptane	200 ppb v/v
							o-Xylene	200 ppb v/v
							Styrene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Vinyl bromide	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00008	12/07/12		Spectra Gases, Lot cc-250179		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloro-1,2,2-trifluoroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2-Butanone (MEK)	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methyl-2-propanol	1 ppm v/v
							3-Chloro-1-propene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (MIBK)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butadiene	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodibromomethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dichlorobromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Ethylene Dibromide	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Hexane	1 ppm v/v
							Isooctane	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m-Xylene & p-Xylene	2 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Heptane	1 ppm v/v
							o-Xylene	1 ppm v/v
							Styrene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl bromide	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15CISs_00005	11/15/15		Spectra, Lot CC-250115		(Purchased Reagent)		1,4-Difluorobenzene	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
ATTO15LCSW_00184	05/29/12	03/28/12	DI WATER, Lot 2960	15.463 L	ATTO15LCSSTKi_00027	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethene, cis-	9.99806 ppb v/v
							1,2-Dichloroethene, trans-	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00027	05/29/12	02/29/12	DI WATER, Lot 4985	37.5 L	ATTO15LCSs_00010	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, cis-	200 ppb v/v
							1,2-Dichloroethene, trans-	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloromethane	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15LCSs_00010	12/07/12	Spectra Gases, Lot CC-230119			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, cis-	1 ppm v/v
							1,2-Dichloroethene, trans-	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloromethane	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Vinyl chloride	1 ppm v/v

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

AT 02 008 13

Recert AT-02-010-13 exp 12/10/08

CERTIFICATE OF ANALYSIS

Instrument V

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250115
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

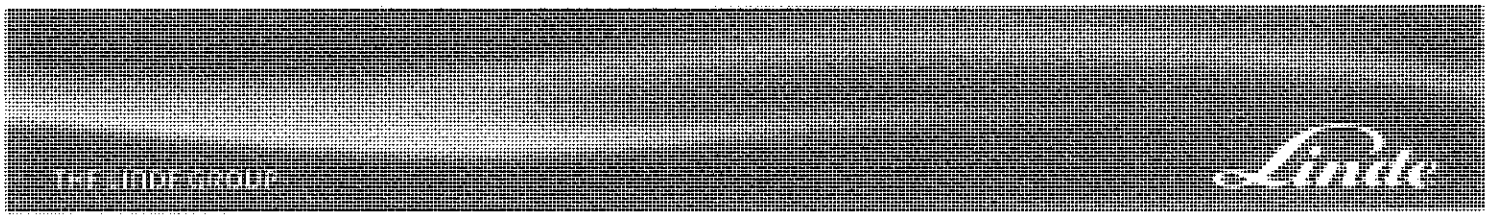
COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84578
ID: ATTO15CISs_00004
Exp 11/15/11 Prpd WRD Open 12/01/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com



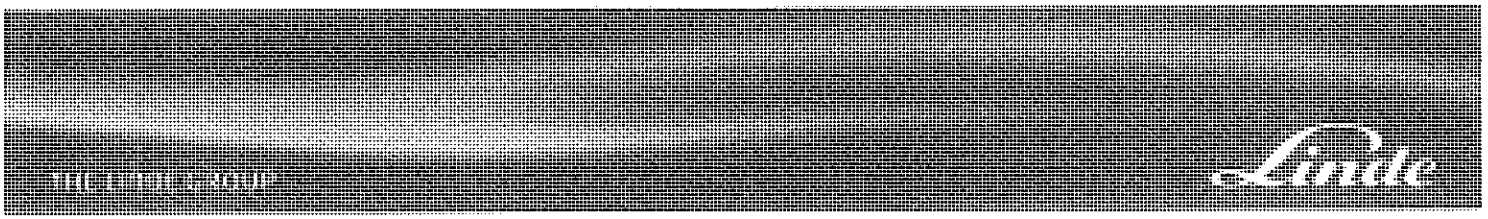
SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

87019
ID: ATTO15CALs_00005
Exp 11/30/11 Prpd WRD Opnd 12/08/10
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.06 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.98 ppm
Chloromethane	74-87-3	1.00 ppm	0.97 ppm
Freon-114	76-14-2	1.00 ppm	0.96 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.97 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.97 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.03 ppm
Bromomethane	74-83-9	1.00 ppm	1.00 ppm
Chloroethane	75-00-3	1.00 ppm	0.97 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.01 ppm
Acetonitrile (Analytical Accuracy +/- 10%)	75-05-8	1.00 ppm	1.03 ppm
Acrolein (Analytical Accuracy +/- 10%)	107-02-8	1.00 ppm	1.10 ppm
Isopentane	78-78-4	1.00 ppm	1.04 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.04 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.92 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.96 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.01 ppm
Tert Butanol	75-65-0	1.00 ppm	1.01 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.01 ppm
Freon-113	76-13-1	1.00 ppm	0.96 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.02 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

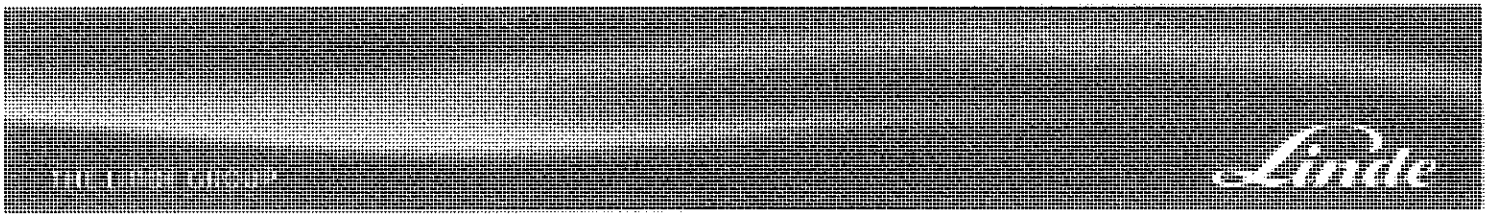


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.00 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.05 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.00 ppm
Hexane	110-54-3	1.00 ppm	1.07 ppm
Chloroform	67-66-3	1.00 ppm	1.02 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.02 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.05 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.00 ppm
Benzene	71-43-2	1.00 ppm	1.02 ppm
1-Butanol	71-36-3	1.00 ppm	0.98 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.01 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.00 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.04 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.01 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.08 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.06 ppm
Toluene	108-88-3	1.00 ppm	1.05 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.06 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.07 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.04 ppm
n-Octane	111-65-9	1.00 ppm	1.02 ppm

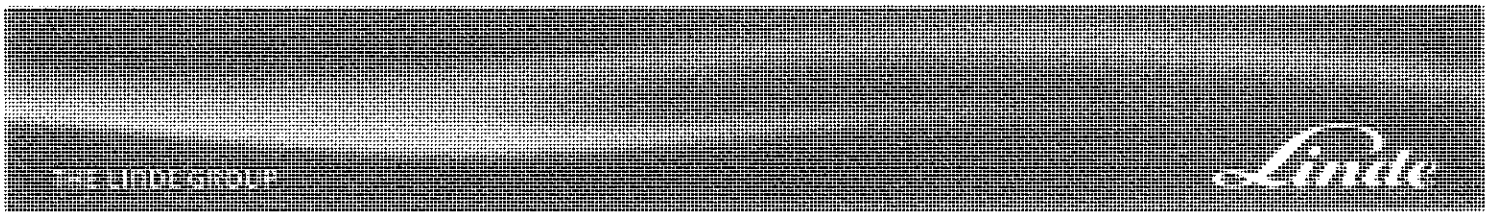


SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.01 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.06 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.04 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.05 ppm
o-xylene	95-47-6	1.00 ppm	1.06 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.06 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.03 ppm
Nonane	111-84-2	1.00 ppm	1.01 ppm
Cumene	98-82-8	1.00 ppm	1.00 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.05 ppm
n-Propylbenzene	103-65-1	1.00 ppm	0.98 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.04 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (Analytical Accuracy +/- 10%)	98-83-9	1.00 ppm	1.05 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.05 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.05 ppm
n-Decane	124-18-5	1.00 ppm	1.04 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.04 ppm
sec-Butylbenzene	135-98-8	1.00 ppm	1.01 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.03 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.06 ppm
n-Butylbenzene	104-51-8	1.00 ppm	1.03 ppm
n-Undecane	1120-21-4	1.00 ppm	1.01 ppm



SHIPPED TO: Test America- Burlington
30 Community Drive
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Batch#:	273328	**Cylinder Size:**	2A (8" X 47.5")
Item#:	1	**Cylinder # :**	CC-250179
Certification Date:	11/30/2010	**Cylinder Pressure:**	1400 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
		Gas Volume:	2800 Liter
Expiration Date:	11/30/2011	**Blend Tolerance:**	10% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.07 ppm
n-Dodecane	112-40-3	1.00 ppm	1.00 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.00 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.07 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Lou Lorenzetti **DATE:** 11/30/2010

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

G

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403 USA

ATO2-011-18

CERTIFICATE OF ANALYSIS

SGI ORDER # :	140016		
ITEM# :	1	**CYLINDER # :**	CC-279057
CERTIFICATION DATE:	12/11/2008	**CYLINDER PRES:**	2000 psig
P.O.# :	2282386	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/11/2009

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	103 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	107 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84582
ID: ATTO15GIS_00005
Exp: 11/15/11 Pipd: WRD Open: 12/01/10
Instrument G Internal Sta

SOURCE REFERENCE # 260788

ANALYST: Matthew Booth

DATE: 12/11/2008

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Instrument E

Recert 4/24/07

AT02-010-10

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

CERTIFICATE OF ANALYSIS

AT02008 12

SGI ORDER # :	101783		
ITEM# :	1	**CYLINDER # :**	CC-250117
CERTIFICATION DATE:	12/27/2006	**CYLINDER PRES:**	2000 psig
P.O.# :	2172385	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/27/2007

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	104 ppb
1,4-Difluorobenzene	100 ppb	106 ppb
Chlorobenzene-d5	100 ppb	106 ppb
4-Bromofluorobenzene	100 ppb	107 ppb
Nitrogen	Balance	Balance

84581
ID: ATTO15ElSs_00004
Exp 11/15/11 Prpd WRD Open 12/08/10
Internal Standard for Ins

ANALYST: April Chamberlain

DATE: 12/27/2006

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

15671
ID: atto15viss_00002
Exp: 12/7/2010 Prpd: WRD
Instrument B Internal Sta

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Test America - Burlington
30 Community Drive
South Burlington, VT 05403

installed on Inst B 1/7/2010

CERTIFICATE OF ANALYSIS

SGI ORDER # :	155786		
ITEM# :	1	**CYLINDER # :**	CC-318016
CERTIFICATION DATE:	12/07/2009	**CYLINDER PRES:**	2000 psig
P.O.# :	2336911	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/07/2010

ANALYTICAL ACCURACY: +/-10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	106 ppb
1,4-Difluorobenzene	100 ppb	104 ppb
Chlorobenzene-d5	100 ppb	103 ppb
4-Bromofluorobenzene	100 ppb	102 ppb
Nitrogen	Balance	Balance

84580
ID: ATTO15VISs_00004
Exp: 11/15/11 Prpd: WRD Open: 12/01/10
Instrument B Internal Sta

SOURCE REFERENCE #: 265214

ANALYST: Matthew Booth

DATE: 12/07/2009

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

AT~~06~~= 02-06-05 9/28/05 MTP

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs
208 South Park Drive
Suite 1
Colchester , VT 05446

Recert AT020/009 exp 12/14/08
Instrument F

CERTIFICATE OF ANALYSIS

Lot# 238643

SGI ORDER # :	0077411		
ITEM# :	1	**CYLINDER # :**	CC-172855
CERTIFICATION DATE:	9/16/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2117184	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	9/16/2006

ANALYTICAL ACCURACY: +/- 10%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Bromochloromethane	100 ppb	100 ppb
1,4-Difluorobenzene	100 ppb	101 ppb
Chlorobenzene-d5	100 ppb	100 ppb
4-Bromofluorobenzene	100 ppb	100 ppb
Nitrogen	Balance	Balance

84579
ID: ATTO15FISs_00003
Exp 11/15/11 Prpd WRD Open 12/9/10
Instrument F Internal Sta

ANALYST: April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Recert AT02-010-05 1/10/08 → 1/14/09

Spectra Gases, Inc. LCS

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

Recert AT-02-012-06 EXP 1/6/10 MTP 3/20/09

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

PAGE: 1 of 4

AT0200614 Lot # 242666 246

CERTIFICATE OF ANALYSIS

1/9/06 DWN

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

Recertified 1/12/07

90493

ID: ATTO15LCSs_00008

Exp: 11/30/11 Prpd: WRD Open: 12/14/10

TO15 Second Source Tank

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Spectra Gases, Inc.
3434 Route 22 West, Branchburg, New Jersey 08876 USA
ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

DATE: 12/29/2005

THE LINDE GROUP

SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 4

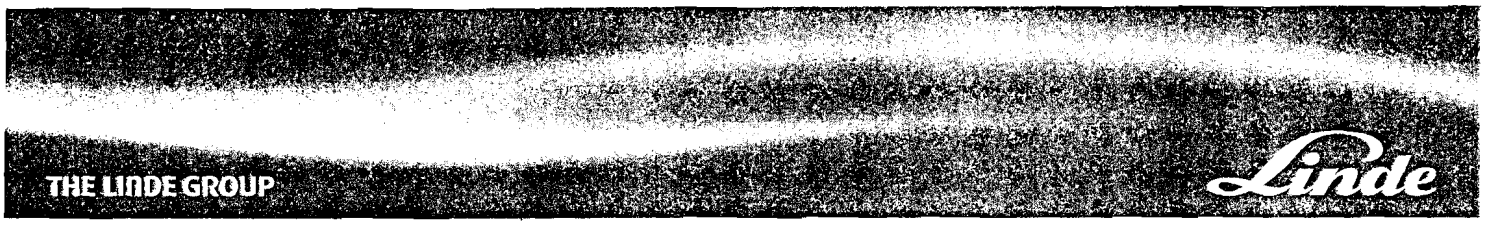
260478
ID: ATTO15CALs_00008
Exp. 12/07/12 Prpd: WRD Open: 12/07/11
TO15 Calibration Source T

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Propylene	115-07-1	1.00 ppm	1.00 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.02 ppm
Freon-12	75-71-8	1.00 ppm	0.96 ppm
Chloromethane	74-87-3	1.00 ppm	0.98 ppm
Freon-114	76-14-2	1.00 ppm	0.97 ppm
Vinyl Chloride	75-01-4	1.00 ppm	0.98 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.00 ppm
Methanol (no stability guarantee)	67-56-1	1.00 ppm	0.90 ppm
n-Butane	106-97-8	1.00 ppm	1.05 ppm
Bromomethane	74-83-9	1.00 ppm	1.01 ppm
Chloroethane	75-00-3	1.00 ppm	0.98 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.06 ppm
Acetonitrile (Analytical Accuracy +/-10%)	75-05-8	1.00 ppm	0.99 ppm
Acrolein (Analytical Accuracy +/-10%)	107-02-8	1.00 ppm	1.09 ppm
Isopentane	78-78-4	1.00 ppm	1.06 ppm
Acetone	67-64-1	1.00 ppm	1.06 ppm
Freon-11	75-69-4	1.00 ppm	0.98 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.99 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.05 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.09 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	0.98 ppm
Carbon Disulfide (Analytical Accuracy +/- 10%)	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.03 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.03 ppm
Freon-113	76-13-1	1.00 ppm	0.97 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.04 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.02 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax



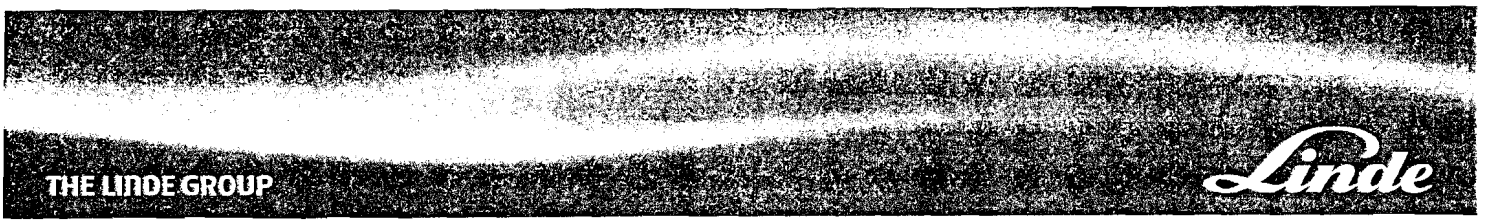
SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.03 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.08 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.02 ppm
Hexane	110-54-3	1.00 ppm	1.09 ppm
Chloroform	67-66-3	1.00 ppm	1.03 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.03 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	1.08 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.03 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.02 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol	71-36-3	1.00 ppm	1.02 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.05 ppm
Cyclohexane	110-82-7	1.00 ppm	1.06 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.04 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.04 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.02 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.06 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.11 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.07 ppm
Toluene	108-88-3	1.00 ppm	1.07 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.10 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.08 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm
n-Octane	111-65-9	1.00 ppm	1.05 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax



SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Tetrachloroethylene	127-18-4	1.00 ppm	1.00 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.08 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.06 ppm
p-xylene	106-42-3	1.00 ppm	1.04 ppm
m-xylene	108-38-3	1.00 ppm	1.04 ppm
Bromoform	75-25-2	1.00 ppm	1.04 ppm
Styrene	100-42-5	1.00 ppm	1.07 ppm
o-xylene	95-47-6	1.00 ppm	1.08 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.08 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.03 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.08 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.00 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.07 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.07 ppm
alpha-Methyl Styrene (no stability guarantee)	98-83-9	1.00 ppm	1.03 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.05 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.05 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.08 ppm
Benzyl Chloride (Analytical Accuracy +/- 10%)	100-44-7	1.00 ppm	1.08 ppm
n-Decane	124-18-5	1.00 ppm	1.05 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.05 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.02 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.10 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.04 ppm
n-Undecane	1120-21-4	1.00 ppm	0.99 ppm

Linde Gas North America LLC (908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

THE LINDE GROUP

SHIPPED TO: Test America -Burlington
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: **4 of 4**

CERTIFICATE OF ANALYSIS

Sales#:	108554485	**Cylinder Size:**	2A (8" X 47.5")
Production#:	2786250	**Cylinder # :**	CC-250179
Certification Date:	Dec-07-2011	**Cylinder Pressure:**	1300 psig
P.O.# :	Verbal	**Cylinder Valve:**	CGA 350 / Steel
Blend Type:	CERTIFIED	**Cylinder Volume:**	29.5 Liter
Material#:	14004551	**Cylinder Material:**	Aluminum
Traceability:	NIST by weight	**Gas Volume:**	2600 Liter
Expiration Date:	Dec-07-2012	**Blend Tolerance:**	5% Relative
Do NOT use under:	150 psig	**Analytical Accuracy:**	10% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.08 ppm
Naphthalene (Analytical Accuracy +/- 10%)	91-20-3	1.00 ppm	1.03 ppm
n-Dodecane	112-40-3	1.00 ppm	0.96 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.08 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST: Matthew Booth

DATE: Dec-07-2011

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

Corporate Cal Mix.

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

PAGE: 1 of 4

#24266

AT0200614 Lot ~~240~~

CERTIFICATE OF ANALYSIS

1/9/06 DMW

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

Recertified 1/12/10

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Propylene	1.00 ppm	1.05 ppm
Freon-22	1.00 ppm	1.04 ppm
Freon-12	1.00 ppm	0.99 ppm
Chloromethane	1.00 ppm	0.99 ppm
Freon-114	1.00 ppm	0.96 ppm
Vinyl Chloride	1.00 ppm	0.99 ppm
1,3-Butadiene	1.00 ppm	1.07 ppm
Methanol (no stability guarantee)	1.00 ppm	1.08 ppm
n-Butane	1.00 ppm	1.03 ppm
Bromomethane	1.00 ppm	0.98 ppm
Chloroethane	1.00 ppm	0.97 ppm
Vinyl Bromide	1.00 ppm	1.05 ppm
Carbon Disulfide (no stability guarantee)	1.00 ppm	1.05 ppm
Acetonitrile	1.00 ppm	1.10 ppm
Acrolien (no stability guarantee)	1.00 ppm	1.06 ppm
Isopentane	1.00 ppm	1.09 ppm
Acetone	1.00 ppm	1.02 ppm
Freon-11	1.00 ppm	1.02 ppm
Isopropyl Alcohol	1.00 ppm	1.05 ppm
Acrylonitrile	1.00 ppm	1.08 ppm
Pentane	1.00 ppm	1.07 ppm
Ethyl Ether	1.00 ppm	1.06 ppm
1,1-Dichloroethene	1.00 ppm	1.09 ppm
Methylene Chloride	1.00 ppm	1.05 ppm
Tert-Butyl Alcohol	1.00 ppm	1.10 ppm
3-Chloropropene	1.00 ppm	1.10 ppm
Freon-113	1.00 ppm	1.07 ppm
Trans-1,2-Dichloroethene	1.00 ppm	1.03 ppm
1,1-Dichloroethane	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1.00 ppm	1.07 ppm

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prpd WRD Open 12/14/10
TO15 Second Source Tank

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

04/13/2012

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Vinyl Acetate	1.00 ppm	1.06 ppm
Methyl Ethyl Ketone	1.00 ppm	1.10 ppm
Cis-1,2-Dichloroethene	1.00 ppm	1.05 ppm
Hexane	1.00 ppm	1.10 ppm
Ethyl Acetate	1.00 ppm	1.07 ppm
Chloroform	1.00 ppm	1.07 ppm
Tetrahydrofuran	1.00 ppm	1.09 ppm
1,2-Dichloroethane	1.00 ppm	1.04 ppm
1,1,1-Trichloroethane	1.00 ppm	1.03 ppm
Benzene	1.00 ppm	1.03 ppm
1-Butanol	1.00 ppm	1.10 ppm
Carbon Tetrachloride	1.00 ppm	1.05 ppm
Cyclohexane	1.00 ppm	1.08 ppm
Dibromomethane	1.00 ppm	1.01 ppm
1,2-Dichloropropane	1.00 ppm	1.03 ppm
Trichloroethylene	1.00 ppm	1.04 ppm
Bromodichloromethane	1.00 ppm	1.04 ppm
1,4-Dioxane	1.00 ppm	1.04 ppm
2,2,4-Trimethylpentane	1.00 ppm	1.04 ppm
Methyl Methacrylate	1.00 ppm	1.06 ppm
Heptane	1.00 ppm	1.07 ppm
Cis-1,3-Dichloropropene	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	1.00 ppm	1.07 ppm
Trans-1,3-Dichloropropene	1.00 ppm	1.10 ppm
1,1,2-Trichloroethane	1.00 ppm	1.01 ppm
Toluene	1.00 ppm	1.04 ppm
Methyl Butyl Ketone	1.00 ppm	1.08 ppm
Dibromochloromethane	1.00 ppm	1.10 ppm
1,2-Dibromoethane	1.00 ppm	0.99 ppm
n-Octane	1.00 ppm	1.04 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
Tetrachloroethylene	1.00 ppm	1.02 ppm
Chlorobenzene	1.00 ppm	1.03 ppm
Ethylbenzene	1.00 ppm	1.04 ppm
p-Xylene	1.00 ppm	1.03 ppm
m-Xylene	1.00 ppm	1.03 ppm
Bromoform	1.00 ppm	1.03 ppm
Styrene	1.00 ppm	1.03 ppm
O-Xylene	1.00 ppm	1.02 ppm
1,1,2,2-Tetrachloroethane	1.00 ppm	1.02 ppm
1,2,3-Trichloropropane	1.00 ppm	1.04 ppm
Nonane	1.00 ppm	1.04 ppm
Cumene	1.00 ppm	1.07 ppm
2-Chlorotoluene	1.00 ppm	1.09 ppm
n-Propylbenzene	1.00 ppm	1.05 ppm
4-Ethyltoluene	1.00 ppm	1.10 ppm
1,3,5-Trimethylbenzene	1.00 ppm	1.04 ppm
a-Methylstyrene (no stability guarantee)	1.00 ppm	1.06 ppm
Tert-Butylbenzene	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	1.00 ppm	1.07 ppm
Benzyl Chloride (no stability guarantee)	1.00 ppm	1.07 ppm
n-Decane	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	1.00 ppm	1.01 ppm
Sec-Butylbenzene	1.00 ppm	1.03 ppm
4-Isopropyltoluene	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	1.00 ppm	1.01 ppm
n-Butylbenzene	1.00 ppm	1.03 ppm
n-Undecane	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	1.00 ppm	1.09 ppm
Napthalene (no stability guarantee)	1.00 ppm	1.10 ppm

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

SHIPPED TO: Severn Trent Labs - Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

CERTIFICATE OF ANALYSIS

SGI ORDER # :	0082390		
ITEM# :	1	**CYLINDER # :**	CC-230119
CERTIFICATION DATE:	12/28/2005	**CYLINDER PRES:**	2000 psig
P.O.# :	2129987	**CYLINDER VALVE:**	CGA 350
BLEND TYPE:	CERTIFIED	**PRODUCT EXPIRATION DATE:**	12/28/2006

ANALYTICAL ACCURACY: +/- 5%

COMPONENT	REQUESTED GAS CONC	ANALYSIS
n-Dodecane	1.00 ppm	1.08 ppm
1,2,3-Trichlorobenzene	1.00 ppm	1.03 ppm
Hexachloro-1,3-Butadiene	1.00 ppm	1.06 ppm
Nitrogen	Balance	Balance

ANALYST: April Chamberlain

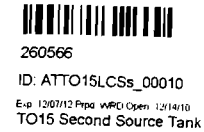
DATE: 12/29/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811
www.spectragases.com

TestAmerica Burlington

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: BTVLCS
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: allTO15.sub
Method File: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m
Misc Info: 200,1,



Client SDG: bkiswrd
Fraction: VOA
Client Smp ID: BTVLCS
Operator: wrd
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
1	Propene	40	41	102.72	70-130
2	Dichlorodifluorome	40	41	102.17	70-130
3	Chlorodifluorometh	40	41	103.31	70-130
4	1,2-Dichloro-1,1,2	40	41	102.51	70-130
5	Chloromethane	40	41	103.13	70-130
6	Butane	40	40	101.01	70-130
7	Vinyl chloride	40	41	103.17	70-130
8	1,3-Butadiene	40	42	105.66	70-130
9	Bromomethane	40	40	99.02	70-130
10	Chloroethane	40	40	100.91	70-130
11	2-Methylbutane	40	40	101.23	70-130
12	Vinyl bromide	40	41	102.72	70-130
13	Trichlorofluoromet	40	41	102.04	70-130
14	Pentane	40	40	99.45	70-130
15	Ethanol	60	0.0	*	70-130
16	Ethyl ether	40	39	97.23	70-130
17	1,1,2-Trichloro-1,	40	44	109.03	70-130
18	Acrolein	40	41	102.04	70-130
19	1,1-Dichloroethene	40	45	111.60	70-130
20	Acetone	40	40	99.00	70-130
21	Carbon disulfide	40	41	103.28	70-130
22	Isopropanol	40	46	115.82	70-130
23	Allyl chloride	40	42	104.41	70-130
24	Acetonitrile	40	41	101.75	70-130
25	Methylene chloride	40	43	108.02	70-130
26	Tert-butyl alcohol	40	44	108.86	70-130
27	Methyl tert-butyl	40	41	103.42	70-130
28	1,2-Dichloroethene	40	40	101.10	70-130
29	Acrylonitrile	40	42	105.27	70-130
30	n-Hexane	40	41	102.18	70-130
31	1,1-Dichloroethane	40	41	102.41	70-130
32	Vinyl acetate	40	42	105.40	70-130
M 33	1,2-Dichloroethene	80	82	102.50	70-130

	SPIKE	COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
	34	1,2-Dichloroethene	40	42	104.24	70-130
	35	Ethyl acetate	40	41	102.92	70-130
	36	Methyl Ethyl Keton	40	42	104.40	70-130
	38	Tetrahydrofuran	40	42	104.05	70-130
	39	Chloroform	40	41	102.35	70-130
	40	Cyclohexane	40	40	101.21	70-130
	41	1,1,1-Trichloroeth	40	40	100.92	70-130
	42	Carbon tetrachlori	40	40	100.02	70-130
	43	2,2,4-Trimethylpen	40	40	101.17	70-130
	44	Benzene	40	40	100.74	70-130
	45	1,2-Dichloroethane	40	41	102.01	70-130
	46	n-Heptane	40	41	101.41	70-130
	48	n-Butanol	40	47	117.21	70-130
	49	Trichloroethene	40	40	100.08	70-130
	50	1,2-Dichloropropan	40	40	99.31	70-130
	51	Methyl methacrylat	40	41	102.05	70-130
	52	Dibromomethane	40	40	100.03	70-130
	53	1,4-Dioxane	40	44	111.22	70-130
	54	Bromodichlorometha	40	41	103.52	70-130
	55	1,3-Dichloropropen	40	40	99.65	70-130
	56	Methyl isobutyl ke	40	42	104.94	70-130
	57	n-Octane	40	40	100.98	70-130
	58	Toluene	40	40	99.91	70-130
	59	1,3-Dichloropropen	40	40	100.59	70-130
	60	1,1,2-Trichloroeth	40	39	97.32	70-130
	61	Tetrachloroethene	40	39	98.45	70-130
	62	2-Hexanone	40	43	107.26	70-130
	63	Dibromochlorometha	40	41	103.60	70-130
	64	1,2-Dibromoethane	40	40	99.07	70-130
	66	Chlorobenzene	40	40	98.99	70-130
	67	n-Nonane	40	41	101.30	70-130
	68	Ethylbenzene	40	40	100.73	70-130
	69	Xylene (m,p)	80	79	99.35	70-130
M	70	Xylenes, Total	120	120	99.13	70-130
	71	Xylene (o)	40	39	98.68	70-130
	72	Styrene	40	40	100.22	70-130
	73	Bromoform	40	41	102.39	70-130
	74	Isopropylbenzene	40	41	101.83	70-130
	75	1,1,2,2-Tetrachlor	40	40	98.91	70-130
	76	n-Propylbenzene	40	41	101.62	70-130
	77	1,2,3-Trichloropro	40	41	101.92	70-130
	78	n-Decane	40	41	101.87	70-130
	79	4-Ethyltoluene	40	41	102.53	70-130
	80	2-Chlorotoluene	40	41	102.49	70-130
	81	1,3,5-Trimethylben	40	40	100.65	70-130
	82	Alpha Methyl Styre	40	41	101.84	70-130
	83	tert-butylbenzene	40	41	102.53	70-130

SPIKE COMPOUND	CONC ADDED ppb v/v	CONC RECOVERED ppb v/v	% RECOVERED	LIMITS
84 1,2,4-Trimethylben	40	40	99.57	70-130
85 sec-Butylbenzene	40	41	102.21	70-130
86 4-Isopropyltoluene	40	41	102.84	70-130
87 1,3-Dichlorobenzen	40	40	99.21	70-130
88 1,4-Dichlorobenzen	40	40	98.94	70-130
89 Benzyl chloride	40	48	120.94	70-130
90 Undecane	40	41	103.26	70-130
91 n-Butylbenzene	40	41	102.58	70-130
92 1,2-Dichlorobenzen	40	39	97.14	70-130
93 Dodecane	40	37	93.36	70-130
94 1,2,4-Trichloroben	40	37	93.22	70-130
95 1,3-Hexachlorobuta	40	37	92.09	70-130
96 Naphthalene	40	40	100.83	70-130
97 1,2,3-Trichloroben	40	37	91.31	70-130

260566
ID: ATTO15LCSs_00010
Exp 12/07/12 Prod WFD: Open 12/14/12
TO15 Second Source Tank

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i
Lab File ID: bkis008.d
Analysis Type: AIR
Lab Sample ID: BTVLCS
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

Injection Date: 02-DEC-2011 21:22
Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Init. Cal. Times: 19:38 19:38
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Propene	0.15634	0.16060	0.010	-2.72293	30.00000	Averaged	
2 Dichlorodifluoromethane	1.24541	1.27240	0.010	-2.16761	30.00000	Averaged	
3 Chlorodifluoromethane	0.43806	0.45256	0.010	-3.31017	30.00000	Averaged	
4 1,2-Dichloro-1,1,2,2-tetraf	1.21378	1.24424	0.010	-2.50957	30.00000	Averaged	
5 Chloromethane	0.23145	0.23869	0.010	-3.12837	30.00000	Averaged	
6 Butane	0.35340	0.35697	0.010	-1.00886	30.00000	Averaged	
7 Vinyl chloride	0.35162	0.36278	0.010	-3.17267	30.00000	Averaged	
8 1,3-Butadiene	0.24282	0.25657	0.010	-5.66400	30.00000	Averaged	
9 Bromomethane	0.70776	0.70079	0.010	0.98427	30.00000	Averaged	
10 Chloroethane	0.31944	0.32236	0.010	-0.91347	30.00000	Averaged	
11 2-Methylbutane	0.48032	0.48622	0.010	-1.22950	30.00000	Averaged	
12 Vinyl bromide	0.99445	1.02154	0.010	-2.72375	30.00000	Averaged	
13 Trichlorofluoromethane	2.14025	2.18389	0.010	-2.03938	30.00000	Averaged	
14 Pentane	0.82843	0.82388	0.010	0.54979	30.00000	Averaged	
15 Ethanol	++++	++++	0.010	++++	30.00000	Averaged	<-
16 Ethyl ether	0.56587	0.55022	0.010	2.76663	30.00000	Averaged	
17 1,1,2-Trichloro-1,2,2-trifl	1.92906	2.10322	0.010	-9.02824	30.00000	Averaged	
18 Acrolein	0.24599	0.25100	0.010	-2.03646	30.00000	Averaged	
19 1,1-Dichloroethene	1.00107	1.11716	0.010	-11.59701	30.00000	Averaged	
20 Acetone	0.78277	0.77496	0.010	0.99721	30.00000	Averaged	
21 Carbon disulfide	2.67833	2.76612	0.010	-3.27813	30.00000	Averaged	
22 Isopropanol	0.59757	0.69209	0.010	-15.81882	30.00000	Averaged	
23 Allyl chloride	0.65415	0.68298	0.010	-4.40805	30.00000	Averaged	
24 Acetonitrile	0.41133	0.41854	0.010	-1.75302	30.00000	Averaged	
25 Methylene chloride	0.64397	0.69561	0.010	-8.01919	30.00000	Averaged	
26 Tert-butyl alcohol	1.17483	1.27887	0.010	-8.85576	30.00000	Averaged	
27 Methyl tert-butyl ether	2.31031	2.38924	0.010	-3.41618	30.00000	Averaged	
28 1,2-Dichloroethene (trans)	1.01084	1.02195	0.010	-1.09869	30.00000	Averaged	
29 Acrylonitrile	0.51530	0.54248	0.010	-5.27328	30.00000	Averaged	
30 n-Hexane	1.12739	1.15199	0.010	-2.18186	30.00000	Averaged	
31 1,1-Dichloroethane	1.34445	1.37681	0.100	-2.40712	30.00000	Averaged	
32 Vinyl acetate	1.30721	1.37785	0.010	-5.40388	30.00000	Averaged	
M 33 1,2-Dichloroethene,Total	1.04484	1.07329	0.010	-2.72246	30.00000	Averaged	
34 1,2-Dichloroethene (cis)	1.07884	1.12463	0.010	-4.24388	30.00000	Averaged	
35 Ethyl acetate	0.09234	0.09504	0.010	-2.91728	30.00000	Averaged	
36 Methyl Ethyl Ketone	0.40541	0.42323	0.010	-4.39747	30.00000	Averaged	

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 Tetrahydrofuran	0.12400	0.12903	0.010	-4.04957	30.00000	Averaged
39 Chloroform	1.80634	1.84873	0.010	-2.34647	30.00000	Averaged
40 Cyclohexane	0.27639	0.27972	0.010	-1.20583	30.00000	Averaged
41 1,1,1-Trichloroethane	0.40237	0.40609	0.010	-0.92487	30.00000	Averaged
42 Carbon tetrachloride	0.45533	0.45542	0.010	-0.02151	30.00000	Averaged
43 2,2,4-Trimethylpentane	0.67714	0.68508	0.010	-1.17280	30.00000	Averaged
44 Benzene	0.58038	0.58465	0.010	-0.73599	30.00000	Averaged
45 1,2-Dichloroethane	0.19911	0.20312	0.010	-2.01242	30.00000	Averaged
46 n-Heptane	0.19918	0.20199	0.010	-1.41020	30.00000	Averaged
48 n-Butanol	0.07641	0.08955	0.010	-17.20570	30.00000	Averaged
49 Trichloroethene	0.29051	0.29074	0.010	-0.07599	30.00000	Averaged
50 1,2-Dichloropropane	0.19100	0.18968	0.010	0.69072	30.00000	Averaged
51 Methyl methacrylate	0.20786	0.21212	0.010	-2.05037	30.00000	Averaged
52 Dibromomethane	0.31474	0.31484	0.010	-0.03287	30.00000	Averaged
53 1,4-Dioxane	0.08495	0.09447	0.010	-11.21585	30.00000	Averaged
54 Bromodichloromethane	0.42143	0.43625	0.010	-3.51619	30.00000	Averaged
55 1,3-Dichloropropene (cis)	0.33819	0.33700	0.010	0.35098	30.00000	Averaged
56 Methyl isobutyl ketone	0.25293	0.26544	0.010	-4.94494	30.00000	Averaged
57 n-Octane	0.20627	0.20829	0.010	-0.97972	30.00000	Averaged
58 Toluene	0.46235	0.46192	0.010	0.09315	30.00000	Averaged
59 1,3-Dichloropropene (trans)	0.33831	0.34031	0.010	-0.59101	30.00000	Averaged
60 1,1,2-Trichloroethane	0.24617	0.23957	0.010	2.67925	30.00000	Averaged
61 Tetrachloroethene	0.52336	0.51523	0.010	1.55370	30.00000	Averaged
62 2-Hexanone	0.27112	0.29081	0.010	-7.26312	30.00000	Averaged
63 Dibromochloromethane	0.57154	0.59209	0.010	-3.59580	30.00000	Averaged
64 1,2-Dibromoethane	0.52434	0.51944	0.010	0.93344	30.00000	Averaged
66 Chlorobenzene	0.79218	0.78414	0.300	1.01480	30.00000	Averaged
67 n-Nonane	0.31517	0.31927	0.010	-1.29799	30.00000	Averaged
68 Ethylbenzene	1.06790	1.07570	0.010	-0.73001	30.00000	Averaged
69 Xylene (m,p)	0.40436	0.40172	0.010	0.65153	30.00000	Averaged
M 70 Xylenes, Total	1.25462	1.24348	0.010	0.88797	30.00000	Averaged
71 Xylene (o)	0.44590	0.44003	0.010	1.31680	30.00000	Averaged
72 Styrene	0.70237	0.70393	0.010	-0.22171	30.00000	Averaged
73 Bromoform	0.54585	0.55889	0.010	-2.38917	30.00000	Averaged
74 Isopropylbenzene	1.24994	1.27286	0.010	-1.83358	30.00000	Averaged

TestAmerica Burlington

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: B.i Injection Date: 02-DEC-2011 21:22
Lab File ID: bkis008.d Init. Cal. Date(s): 02-DEC-2011 02-DEC-2011
Analysis Type: AIR Init. Cal. Times: 19:38 19:38
Lab Sample ID: BTVLCS Quant Type: ISTD
Method: /chem/B.i/Bsvr.p/bkiswrd.b/to15v5.m

COMPOUND	RRF / AMOUNT	RF40	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
75 1,1,2,2-Tetrachloroethane	0.56511	0.55897	0.010	1.08641	30.00000	Averaged
76 n-Propylbenzene	1.14718	1.16574	0.010	-1.61772	30.00000	Averaged
77 1,2,3-Trichloropropane	0.33232	0.33870	0.010	-1.92019	30.00000	Averaged
78 n-Decane	0.34483	0.35127	0.010	-1.86815	30.00000	Averaged
79 4-Ethyltoluene	1.14490	1.17386	0.010	-2.52882	30.00000	Averaged
80 2-Chlorotoluene	0.99901	1.02391	0.010	-2.49188	30.00000	Averaged
81 1,3,5-Trimethylbenzene	1.01834	1.02495	0.010	-0.64916	30.00000	Averaged
82 Alpha Methyl Styrene	0.61340	0.62468	0.010	-1.83919	30.00000	Averaged
83 tert-butylbenzene	1.00745	1.03291	0.010	-2.52687	30.00000	Averaged
84 1,2,4-Trimethylbenzene	1.00990	1.00553	0.010	0.43270	30.00000	Averaged
85 sec-Butylbenzene	1.41605	1.44730	0.010	-2.20647	30.00000	Averaged
86 4-Isopropyltoluene	1.24407	1.27938	0.010	-2.83808	30.00000	Averaged
87 1,3-Dichlorobenzene	0.82411	0.81764	0.010	0.78604	30.00000	Averaged
88 1,4-Dichlorobenzene	0.83260	0.82374	0.010	1.06443	30.00000	Averaged
89 Benzyl chloride	0.82450	0.99713	0.010	-20.93732	30.00000	Averaged
90 Undecane	0.29725	0.30693	0.010	-3.25804	30.00000	Averaged
91 n-Butylbenzene	0.80815	0.82904	0.010	-2.58486	30.00000	Averaged
92 1,2-Dichlorobenzene	0.80394	0.78094	0.010	2.86051	30.00000	Averaged
93 Dodecane	0.30550	0.28521	0.010	6.64042	30.00000	Averaged
94 1,2,4-Trichlorobenzene	0.63609	0.59297	0.010	6.77768	30.00000	Averaged
95 1,3-Hexachlorobutadiene	0.39526	0.36398	0.010	7.91427	30.00000	Averaged
96 Naphthalene	1.37515	1.38659	0.010	-0.83171	30.00000	Averaged
97 1,2,3-Trichlorobenzene	0.52513	0.47949	0.010	8.69156	30.00000	Averaged

METHODOLOGY SUMMARY

Laboratory:	TestAmerica Laboratories	Project No:	NA
Location:	South Burlington, Vermont	SDG No:	200-10127-1

VOA

Volatile Organics - NJDEP-LLTO-15

CASE NARRATIVE

Client: Bureau Veritas North America, Inc.

Project: Fort Monmouth

Report Number: 200-10127-1

The samples in this sample set were analyzed by the EPA Compendium Method TO-15 for specific volatile organic constituents. Unless otherwise noted below, the analytical work followed the requirements outlined in the New Jersey DEP guidelines.

The practice of the laboratory is to analyze one canister from each batch of canisters that have been cleaned for re-use in order to certify the batch. The canisters that were used for this sampling event were from multiple batches. The certifying analyses were free of target analytes down to the concentration levels that are contractually required (nominally 0.2 PPBV). In order to provide for the lower level of detection required for canister certification, the laboratory analyzed a 500 milliliter volume. The laboratory's established practice for the analysis of field samples is based on the analysis of a 200 milliliter sample volume. Documentation of the analytical work supporting canister certification is included in the "Clean Can Certification" section of this submittal. Documentation of canister vacuum as delivered to, and received from, the field is included in the "Clean Can Certification" section of this submittal.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and extracted ion current profiles are included in the data package.

The following details the column type and trap design that were used in the performance of the analytical work for the sample in this sample set:

Chromatography Column - Restek RTX-624
Length - 60 meters
Inner Diameter - 0.32 millimeters
Film thickness - 1.8 micrometers
Trap Design - Entech Model 7100A (glass bead and Tenax with cryo-focusing)

A summary of the laboratory's current Method Detection Limits (MDLs) has been provided as part of this submittal, immediately following this transmittal letter.

RECEIPT

The samples were received on 03/31/2012; the samples arrived in good condition, properly preserved and on ice.

The container labels for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): BLDG602 AA-2, BLDG602 IA-3, BLDG602 SS-4, BLDG602 SS-5. The asset numbers of the sample containers were matched to the chain of custody and the information from the chain of custody was used for log-in.

VOLATILE ORGANIC COMPOUNDS

Samples BLDG602 AA-2, BLDG602 IA-3, BLDG602 SS-4 and BLDG602 SS-5 were analyzed for Volatile Organic Compounds in accordance with NJDEP-LLTO-15. The samples were analyzed on 04/10/2012.

Methylene Chloride failed the recovery criteria high for LCS 200-36628/5.

No other difficulties were encountered during the VOCs analyses.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36189

Lab Sample ID: IC 200-36189/3 Client Sample ID:

Date Analyzed: 03/30/12 16:32 Lab File ID: ckr003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.76	Peak not found by the data system	pd	04/02/12 09:31

Lab Sample ID: IC 200-36189/4 Client Sample ID:

Date Analyzed: 03/30/12 17:22 Lab File ID: ckr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.64	Baseline event	klp	04/02/12 12:15

Lab Sample ID: IC 200-36189/5 Client Sample ID:

Date Analyzed: 03/30/12 18:12 Lab File ID: ckr005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:12

Lab Sample ID: IC 200-36189/6 Client Sample ID:

Date Analyzed: 03/30/12 19:02 Lab File ID: ckr006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:17

Lab Sample ID: ICIS 200-36189/7 Client Sample ID:

Date Analyzed: 03/30/12 19:52 Lab File ID: ckr007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:38

PAD 4/12/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36189

Lab Sample ID: IC 200-36189/8 Client Sample ID:

Date Analyzed: 03/30/12 20:41 Lab File ID: ckr008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 12:45

Lab Sample ID: IC 200-36189/9 Client Sample ID:

Date Analyzed: 03/30/12 21:30 Lab File ID: ckr009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:49

Lab Sample ID: IC 200-36189/10 Client Sample ID:

Date Analyzed: 03/30/12 22:20 Lab File ID: ckr010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 12:52

Lab Sample ID: ICV 200-36189/13 Client Sample ID:

Date Analyzed: 03/31/12 00:49 Lab File ID: ckr013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 13:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36628

Lab Sample ID: CCVIS 200-36628/2 Client Sample ID:

Date Analyzed: 04/10/12 10:19 Lab File ID: ckrh002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	04/10/12 10:45

Lab Sample ID: LCS 200-36628/4 Client Sample ID:

Date Analyzed: 04/10/12 12:00 Lab File ID: ckrh004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.73	Baseline event	pd	04/10/12 12:42
1,1,2-Trichloroethane	15.06	Baseline event	pd	04/10/12 12:43

Lab Sample ID: LCS 200-36628/5 Client Sample ID:

Date Analyzed: 04/10/12 12:51 Lab File ID: ckrh005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	5.52	Baseline event	pd	04/10/12 13:35

Lab Sample ID: CCVC 200-36628/28 Client Sample ID:

Date Analyzed: 04/11/12 07:58 Lab File ID: ckrh028.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	04/11/12 11:21

PAD 4/12/12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36189

Lab Sample ID: IC 200-36189/3 Client Sample ID:

Date Analyzed: 03/30/12 16:32 Lab File ID: ckr003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.76	Peak not found by the data system	pd	04/02/12 09:31

Lab Sample ID: IC 200-36189/4 Client Sample ID:

Date Analyzed: 03/30/12 17:22 Lab File ID: ckr004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.64	Baseline event	klp	04/02/12 12:15

Lab Sample ID: IC 200-36189/5 Client Sample ID:

Date Analyzed: 03/30/12 18:12 Lab File ID: ckr005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:12

Lab Sample ID: IC 200-36189/6 Client Sample ID:

Date Analyzed: 03/30/12 19:02 Lab File ID: ckr006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:17

Lab Sample ID: ICIS 200-36189/7 Client Sample ID:

Date Analyzed: 03/30/12 19:52 Lab File ID: ckr007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:38

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36189

Lab Sample ID: IC 200-36189/8 Client Sample ID:

Date Analyzed: 03/30/12 20:41 Lab File ID: ckr008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 12:45

Lab Sample ID: IC 200-36189/9 Client Sample ID:

Date Analyzed: 03/30/12 21:30 Lab File ID: ckr009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	klp	04/02/12 12:49

Lab Sample ID: IC 200-36189/10 Client Sample ID:

Date Analyzed: 03/30/12 22:20 Lab File ID: ckr010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 12:52

Lab Sample ID: ICV 200-36189/13 Client Sample ID:

Date Analyzed: 03/31/12 00:49 Lab File ID: ckr013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	klp	04/02/12 13:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Analysis Batch Number: 36628

Lab Sample ID: CCVIS 200-36628/2 Client Sample ID:

Date Analyzed: 04/10/12 10:19 Lab File ID: ckrh002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.65	Baseline event	pd	04/10/12 10:45

Lab Sample ID: LCS 200-36628/4 Client Sample ID:

Date Analyzed: 04/10/12 12:00 Lab File ID: ckrh004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethene, cis-	10.73	Baseline event	pd	04/10/12 12:42
1,1,2-Trichloroethane	15.06	Baseline event	pd	04/10/12 12:43

Lab Sample ID: LCS 200-36628/5 Client Sample ID:

Date Analyzed: 04/10/12 12:51 Lab File ID: ckrh005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	5.52	Baseline event	pd	04/10/12 13:35

Lab Sample ID: CCVC 200-36628/28 Client Sample ID:

Date Analyzed: 04/11/12 07:58 Lab File ID: ckrh028.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	8.66	Baseline event	pd	04/11/12 11:21

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.69		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U *	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.69		1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U *	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U *	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
Chloroethane	75-00-3	64.52	5.0	U	13			
Methylene Chloride	75-09-2	84.93	5.0	U *	17			
1,2-Dichloroethene, trans-	156-60-5	96.94	2.0	U	8			
1,2-Dichloroethene, cis-	156-59-2	96.94	2.0	U	8			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	5.7		38			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			

TARGET/NON TARGET ANALYTES -
AIR RESULTS

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO15LL/NJ			*ppb v/v*		*ug/m3*			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
Chloroethane	75-00-3	64.52	0.50	U	1			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
1,2-Dichloroethene, trans-	156-60-5	96.94	0.20	U	0.8			
1,2-Dichloroethene, cis-	156-59-2	96.94	0.20	U	0.8			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			

DATA REPORTING QUALIFIERS

Client: Bureau Veritas North America, Inc.

Job Number: 200-10127-1
Sdg Number: 200-10127-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	Matrix:	Air	QA Review:	Kirstin McCracken		
PREP METHOD:	NA	Instrument(s):	C,B,G	Date Approved:	2/25/2011		
CLEANUP METHOD(s):	NA			TALS Entry:	2/25/2011 (TO15) 05/18/11 (NJLLTO15)		

ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3	0.2	3.7	1.5
1,1,2,2-Tetrachloroethane	79-34-5	0.040	0.13	3	0.2	3.3	1.5
1,1,2-Trichloroethane	79-00-5	0.019	0.04	1	0.2	2.1	5.0
1,1-Dichloroethane	75-34-3	0.035	0.13	3	0.2	3.7	1.5
1,1-Dichloroethene	75-35-4	0.030	0.08	2	0.2	2.7	2.5
1,2,4-Trichlorobenzene	120-82-1	0.050	0.13	3	0.5	2.6	3.8
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	3	0.2	2.5	1.5
1,2-Dibromoethane	106-93-4	0.018	0.04	1	0.2	2.2	5.0
1,2-Dichlorobenzene	95-50-1	0.048	0.13	3	0.2	2.7	1.5
1,2-Dichloroethane	107-06-2	0.031	0.08	2	0.2	2.6	2.5
1,2-Dichloropropane	78-87-5	0.014	0.04	1	0.2	2.9	5.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2	0.2	2.5	2.5
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	3	0.2	2.5	1.5
1,3-Butadiene	106-99-0	0.010	0.04	1	0.2	4.0	5.0
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3	0.2	3.0	1.5
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3	0.2	3.0	1.5
1,4-Dioxane	123-91-1	0.088	0.32	5	5.0	3.6	15.6
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3	0.2	3.6	1.5
2-Chlorotoluene	95-49-8	0.047	0.13	3	0.2	2.8	1.5
3-Chloropropene	107-05-1	0.019	0.04	1	0.2	2.1	5.0
4-Ethyltoluene	622-96-8	0.046	0.13	3	0.2	2.8	1.5
Acetone	67-64-1	0.045	0.13	3	5.0	2.9	38.5
Benzene	71-43-2	0.018	0.04	1	0.2	2.2	5.0
Bromodichloromethane	75-27-4	0.028	0.08	2	0.2	2.9	2.5
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	1	0.2	2.1	5.0
Bromoform	75-25-2	0.019	0.04	1	0.2	2.1	5.0
Bromomethane	74-83-9	0.012	0.04	1	0.2	3.3	5.0
Carbon disulfide	75-15-0	0.066	0.20	4	0.5	3.0	2.5
Carbon tetrachloride	56-23-5	0.033	0.13	3	0.2	3.9	1.5
Chlorobenzene	108-90-7	0.020	0.08	2	0.2	4.0	2.5
Chloroethane	75-00-3	0.016	0.04	1	0.5	2.5	12.5
Chloroform	67-66-3	0.031	0.08	2	0.2	2.6	2.5
Chloromethane	74-87-3	0.013	0.04	1	0.5	3.1	12.5
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	1	0.2	2.9	5.0
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	1	0.2	2.5	5.0
Cyclohexane	110-82-7	0.039	0.13	3	0.2	3.3	1.5
Dibromochloromethane	124-48-1	0.021	0.08	2	0.2	3.8	2.5

Detection Limit (DL), Limit of Detection (LOD) & Limit of Quantitation (LOQ) Summary

TEST METHOD:	NJLLTO15	**Matrix:**	Air	**QA Review:**	Kirstin McCracken
PREP METHOD:	NA	**Instrument(s):**	C,B,G	**Date Approved:**	2/25/2011
CLEANUP METHOD(s):	NA			**TALS Entry:**	2/25/2011 (TO15) 05/18/11 (NJLLTO15)

ANALYTE	CAS #	DL ug/L	LOD ug/L	LOD REF	LOQ ug/L	LOD/DL Ratio	LOQ/LOD Ratio
Dichlorodifluoromethane	75-71-8	0.038	0.13	3	0.5	3.4	3.8
Ethylbenzene	100-41-4	0.022	0.08	2	0.2	3.6	2.5
Freon TF	76-13-1	0.010	0.04	1	0.2	4.0	5.0
Hexachlorobutadiene	87-68-3	0.065	0.20	4	0.2	3.1	1.0
Isopropyl alcohol	67-63-0	0.037	0.13	3	5.0	3.5	38.5
m,p-Xylene	179601-23-1	0.048	0.16	2	0.5	3.3	3.1
Methyl Ethyl Ketone	78-93-3	0.017	0.04	1	0.5	2.4	12.5
Methyl isobutyl ketone	108-10-1	0.026	0.08	2	0.5	3.1	6.3
Methyl methacrylate	80-62-6	0.013	0.04	1	0.5	3.1	12.5
Methyl tert-butyl ether	1634-04-4	0.016	0.04	1	0.2	2.5	5.0
Methylene Chloride	75-09-2	0.013	0.04	1	0.5	3.1	12.5
n-Heptane	142-82-5	0.010	0.04	1	0.2	4.0	5.0
n-Hexane	110-54-3	0.026	0.08	2	0.2	3.1	2.5
Styrene	100-42-5	0.030	0.08	2	0.2	2.7	2.5
tert-Butyl alcohol	75-65-0	0.071	0.20	4	5.0	2.8	25.0
Tetrachloroethene	127-18-4	0.011	0.04	1	0.2	3.6	5.0
Tetrahydrofuran	109-99-9	0.018	0.04	1	5.0	2.2	125.0
Toluene	108-88-3	0.018	0.04	1	0.2	2.2	5.0
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2	0.2	2.5	2.5
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	2	0.2	4.0	2.5
Trichloroethene	79-01-6	0.030	0.08	2	0.2	2.7	2.5
Trichlorofluoromethane	75-69-4	0.034	0.13	3	0.2	3.8	1.5
Vinyl chloride	75-01-4	0.029	0.08	2	0.2	2.8	2.5
Xylene, o-	95-47-6	0.022	0.08	2	0.2	3.6	2.5

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Propylene	115-07-1	0.1	0.201886	0.168632	0.162309	0.158971	0.152917	0.159792	0.150441	0.165	165%	0.01733	0.054	1.9
Chloromethane	74-87-3	0.1	0.165405	0.159883	0.163044	0.160587	0.153933	0.154525	0.16017	0.160	160%	0.00418	0.013	7.6
n-Butane	106-97-8	0.1	0.140329	0.140564	0.133993	0.136954	0.131432	0.140465	0.137179	0.137	137%	0.00354	0.011	9.0
1,3-Butadiene	106-99-0	0.1	0.119494	0.121087	0.11532	0.115429	0.119153	0.122895	0.114225	0.118	118%	0.00328	0.010	9.7
Bromomethane	74-83-9	0.1	0.110669	0.118524	0.114182	0.110876	0.108519	0.107532	0.111284	0.112	112%	0.00370	0.012	8.6
Chloroethane	75-00-3	0.1	0.112488	0.102587	0.101849	0.11191	0.107437	0.105195	0.11448	0.108	108%	0.00505	0.016	6.3
Bromoethene(Vinyl Bromide)	593-60-2	0.1	0.117344	0.111688	0.112182	0.114578	0.103814	0.100533	0.108972	0.110	110%	0.00593	0.019	5.4
Ethanol	64-17-5	1.0	1.129074	1.077447	1.070299	1.054504	1.048517	0.98851	1.073392	1.063	106%	0.04197	0.132	7.6
Freon TF	76-13-1	0.1	0.124396	0.115525	0.120101	0.119314	0.123814	0.117877	0.122527	0.121	121%	0.00325	0.010	9.8
1,1-Dichloroethene	75-35-4	0.1	0.114737	0.142534	0.136879	0.14222	0.132263	0.138772	0.130317	0.134	134%	0.00965	0.030	3.3
Acetone	67-64-1	0.1	0.18759	0.181695	0.211068	0.215413	0.214341	0.189862	0.209649	0.201	201%	0.01436	0.045	2.2
Carbon disulfide	75-15-0	0.1	0.150015	0.114565	0.116591	0.1668	0.119379	0.113882	0.120895	0.129	129%	0.02089	0.066	1.5
3-Chloropropene	107-05-1	0.1	0.143459	0.136033	0.128334	0.138929	0.130651	0.129027	0.128202	0.134	134%	0.00603	0.019	5.3
Methylene Chloride	75-09-2	0.1	0.212597	0.204052	0.207541	0.20431	0.200664	0.211436	0.205404	0.207	207%	0.00426	0.013	7.5
Methyl tert-butyl ether	1634-04-4	0.1	0.084878	0.09868	0.095022	0.092174	0.096515	0.088745	0.097008	0.093	93%	0.00498	0.016	6.4
Methyl Ethyl Ketone	78-93-3	0.1	0.076069	0.078249	0.078262	0.083165	0.071556	0.070797	0.084597	0.078	78%	0.00526	0.017	6.1
cis-1,2-Dichloroethene	156-59-2	0.1	0.116429	0.11738	0.117473	0.12595	0.116589	0.12624	0.119778	0.120	120%	0.00432	0.014	7.4
Tetrahydrofuran	109-99-9	0.1	0.116694	0.118185	0.113593	0.104418	0.108272	0.104676	0.107916	0.111	111%	0.00562	0.018	5.7
Benzene	71-43-2	0.1	0.125144	0.113526	0.112767	0.123129	0.1235	0.114263	0.125609	0.120	120%	0.00587	0.018	5.4
n-Heptane	142-82-5	0.1	0.138148	0.132893	0.130938	0.13424	0.129195	0.137187	0.132969	0.134	134%	0.00320	0.010	10.0
Methyl methacrylate	80-62-6	0.1	0.065461	0.055557	0.055579	0.052471	0.061264	0.057491	0.056724	0.058	58%	0.00429	0.013	7.4
1,2-Dichloropropane	78-87-5	0.1	0.112582	0.110862	0.119347	0.105356	0.117156	0.114615	0.111	0.113	113%	0.00461	0.014	6.9
cis-1,3-Dichloropropene	10061-01-5	0.1	0.09503	0.095013	0.103175	0.092231	0.103901	0.101875	0.103521	0.099	99%	0.00495	0.016	6.4
Methyl isobutyl ketone	108-10-1	0.1	0.085914	0.065499	0.06518	0.060979	0.063268	0.069512	0.071963	0.069	69%	0.00836	0.026	3.8
Toluene	108-88-3	0.1	0.104017	0.098623	0.09943	0.096982	0.112156	0.109859	0.103033	0.103	103%	0.00575	0.018	5.5
trans-1,3-Dichloropropene	10061-02-6	0.1	0.089231	0.077201	0.090047	0.081231	0.092555	0.094624	0.090722	0.088	88%	0.00633	0.020	5.0
1,1,2-Trichloroethane	79-00-5	0.1	0.102173	0.086668	0.098645	0.088923	0.097124	0.101315	0.095875	0.096	96%	0.00594	0.019	5.4
Tetrachloroethene	127-18-4	0.1	0.1141	0.10691	0.106164	0.102583	0.107866	0.108916	0.109129	0.108	108%	0.00349	0.011	9.1
Methyl Butyl Ketone (2-Hexanone)	591-78-6	0.1	0.090706	0.057995	0.055444	0.060484	0.058376	0.072349	0.06854	0.066	66%	0.01239	0.039	2.6
1,2-Dibromoethane	106-93-4	0.1	0.088744	0.080998	0.085726	0.077404	0.092283	0.091473	0.091337	0.087	87%	0.00576	0.018	5.5
Chlorobenzene	108-90-7	0.1	0.104572	0.094689	0.102645	0.089763	0.106775	0.104137	0.103822	0.101	101%	0.00623	0.020	5.1
Ethylbenzene	100-41-4	0.1	0.100081	0.084239	0.086793	0.08204	0.094731	0.096336	0.096457	0.092	92%	0.00703	0.022	4.5
m,p-Xylene	179601-23-1	0.2	0.191147	0.15116	0.153964	0.144553	0.158286	0.168653	0.160355	0.161	81%	0.01523	0.048	4.2

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11	01/14/11					
	Instrument ID:		C	C	C	C	C	C	C					
	Column Type:		RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624	RTX-624					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Xylene, o-	95-47-6	0.1	0.092156	0.072736	0.076065	0.06986	0.077021	0.077813	0.080062	0.078	78%	0.00711	0.022	4.5
Xylene (total)	1330-20-7	0.3	0.283303	0.223896	0.230029	0.214413	0.235307	0.246466	0.240417	0.239	80%	0.02216	0.070	4.3
Styrene	100-42-5	0.1	0.079444	0.052929	0.054975	0.054926	0.060044	0.069955	0.064642	0.062	62%	0.00965	0.030	3.3
Bromoform	75-25-2	0.1	0.078501	0.065637	0.070755	0.067683	0.0806	0.07696	0.079403	0.074	74%	0.00608	0.019	5.2
Cumene	98-82-8	0.1	0.095283	0.070482	0.07076	0.063346	0.072837	0.077886	0.074022	0.075	75%	0.01000	0.031	3.2
1,1,2,2-Tetrachloroethane	79-34-5	0.1	0.099837	0.065833	0.066168	0.061731	0.069252	0.074969	0.072	0.073	73%	0.01268	0.040	2.5
n-Propylbenzene	103-65-1	0.1	0.103308	0.059047	0.059621	0.061326	0.065671	0.080792	0.075052	0.072	72%	0.01603	0.050	2.0
4-Ethyltoluene	622-96-8	0.1	0.094588	0.05482	0.052207	0.055453	0.058437	0.068373	0.066731	0.064	64%	0.01465	0.046	2.2
1,3,5-Trimethylbenzene	108-67-8	0.1	0.095188	0.049424	0.047731	0.054539	0.056337	0.065158	0.061781	0.061	61%	0.01612	0.051	2.0
2-Chlorotoluene	95-49-8	0.1	0.111812	0.071421	0.07439	0.071252	0.078649	0.095528	0.086825	0.084	84%	0.01503	0.047	2.1
tert-Butylbenzene	98-06-6	0.1	0.093453	0.05339	0.053064	0.054763	0.052612	0.070296	0.066548	0.063	63%	0.01505	0.047	2.1
1,2,4-Trimethylbenzene	95-63-6	0.1	0.094887	0.051608	0.04733	0.052091	0.052102	0.066753	0.060763	0.061	61%	0.01641	0.052	1.9
sec-Butylbenzene	135-98-8	0.1	0.095246	0.053444	0.052475	0.05586	0.057899	0.069545	0.066887	0.064	64%	0.01506	0.047	2.1
4-Isopropyltoluene	99-87-6	0.1	0.091286	0.049526	0.047713	0.052875	0.053957	0.066682	0.062989	0.061	61%	0.01515	0.048	2.1
1,3-Dichlorobenzene	541-73-1	0.1	0.105305	0.066618	0.070909	0.071451	0.075396	0.092047	0.084338	0.081	81%	0.01387	0.044	2.3
1,4-Dichlorobenzene	106-46-7	0.1	0.107508	0.071551	0.071442	0.068635	0.076327	0.092563	0.083615	0.082	82%	0.01412	0.044	2.3
Benzyl chloride	100-44-7	0.1	0.088409	0.050406	0.04318	0.053207	0.053591	0.062927	0.065875	0.060	60%	0.01478	0.046	2.2
n-Butylbenzene	104-51-8	0.1	0.102595	0.057155	0.054602	0.059518	0.055489	0.078783	0.073601	0.069	69%	0.01763	0.055	1.8
1,2-Dichlorobenzene	95-50-1	0.1	0.105593	0.063974	0.064478	0.066942	0.067663	0.085546	0.078821	0.076	76%	0.01530	0.048	2.1
1,2,4-Trichlorobenzene	120-82-1	0.1	0.125953	0.088833	0.083915	0.092056	0.075633	0.097677	0.095966	0.094	94%	0.01585	0.050	2.0
Hexachlorobutadiene	87-68-3	0.1	0.125395	0.070704	0.066347	0.075212	0.080216	0.101958	0.090911	0.087	87%	0.02078	0.065	1.5
Naphthalene	91-20-3	0.1	0.153406	0.094229	0.08418	0.089415	0.06532	0.086159	0.092889	0.095	95%	0.02746	0.086	1.2
1,2,3-Trichlorobenzene	87-61-6	0.1	0.175473	0.109206	0.103483	0.106023	0.091721	0.120446	0.12221	0.118	118%	0.02723	0.086	1.2
1,2,3-Trichloropropane	96-18-4	0.1	0.119066	0.075287	0.082099	0.080993	0.079014	0.088707	0.083388	0.087	87%	0.01475	0.046	2.2
Acetonitrile	75-05-8	0.1	0.154764	0.143517	0.157853	0.159604	0.156452	0.170337	0.169258	0.159	159%	0.00912	0.029	3.5
Ethyl ether	60-29-7	0.1	0.084561	0.088569	0.100242	0.08943	0.088009	0.085437	0.086851	0.089	89%	0.00524	0.016	6.1
n-Decane	124-18-5	0.1	0.112638	0.068054	0.068073	0.071016	0.072912	0.092115	0.083833	0.081	81%	0.01649	0.052	1.9
n-Nonane	111-84-2	0.1	0.108973	0.078618	0.086928	0.085352	0.094762	0.107086	0.09574	0.094	94%	0.01126	0.035	2.8
n-Octane	111-65-9	0.1	0.123363	0.125913	0.13344	0.124434	0.135838	0.132598	0.131656	0.130	130%	0.00493	0.016	6.4
n-Dodecane	112-40-3	0.1	0.156697	0.085762	0.086583	0.097223	0.071921	0.101365	0.10625	0.101	101%	0.02717	0.085	1.2
n-Undecane	1120-21-4	0.1	0.124095	0.070139	0.068288	0.075982	0.072383	0.094889	0.087882	0.085	85%	0.01990	0.063	1.6
n-Pentane	109-66-0	0.1	0.117879	0.117435	0.119922	0.12321	0.112351	0.121227	0.117383	0.118	118%	0.00347	0.011	9.2
Alpha Methyl Styrene	98-83-9	0.1	0.075232	0.043867	0.042138	0.047597	0.048387	0.059613	0.055831	0.053	53%	0.01153	0.036	2.8

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/14/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**	**01/14/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Ethyl acetate	141-78-6	0.5	0.439877	0.434768	0.480298	0.463171	0.438717	0.444977	0.441152	0.449	90%	0.01658	0.052	9.6
Isopentane	78-78-4	0.5	0.506619	0.499204	0.510851	0.508719	0.485693	0.502944	0.49703	0.502	100%	0.00859	0.027	18.5
n-Butanol	71-36-3	0.5	0.360873	0.399968	0.423508	0.399853	0.486233	0.463348	0.407713	0.420	84%	0.04229	0.133	3.8
n-Hexane	110-54-3	0.5	0.514506	0.489459	0.503498	0.496936	0.49565	0.493624	0.497933	0.499	100%	0.00813	0.026	19.6
Vinyl acetate	108-05-4	0.5	0.529983	0.532186	0.536038	0.527071	0.510861	0.512158	0.510086	0.523	105%	0.01118	0.035	14.2
Acrolein	107-02-8	0.5	0.401029	0.407713	0.419865	0.420698	0.401248	0.398402	0.408054	0.408	82%	0.00902	0.028	17.6
tert-Butyl alcohol	75-65-0	0.5	0.449062	0.463898	0.463898	0.491507	0.506438	0.505982	0.470631	0.479	96%	0.02258	0.071	7.0
1,4-Dioxane	123-91-1	0.5	0.422901	0.4554	0.46106	0.478598	0.511099	0.479638	0.447736	0.465	93%	0.02799	0.088	5.7

Detection Limit (DL) Study Report

TEST METHOD:	NJLLTO15		**Prep Date:**	01/18/11										
PREP METHOD:	NA		**Initial Amount:**	200 mL										
CLEANUP METHOD(s):	NA		**Final Amount:**	200 mL										
MATRIX:	Air													
	Date Analyzed:		**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**	**01/18/11**					
	Instrument ID:		**C**	**C**	**C**	**C**	**C**	**C**	**C**					
	Column Type:		**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**	**RTX-624**					
ANALYTE	**CAS #**	**Spike ppbv**	**REP 1 ppbv**	**REP 2 ppbv**	**REP 3 ppbv**	**REP 4 ppbv**	**REP 5 ppbv**	**REP 6 ppbv**	**REP 7 ppbv**	**Mean ppbv**	**Average %R**	**STD DEV**	**DL ppbv**	**Spike/ DL Ratio**
Dichlorodifluoromethane	75-71-8	0.05	0.101788	0.069432	0.071595	0.072473	0.069229	0.068049	0.068008	0.074	149%	0.01221	0.038	1.3
Freon 22	75-45-6	0.05	0.113304	0.087839	0.090605	0.084398	0.083532	0.083146	0.085579	0.090	180%	0.01070	0.034	1.5
1,2-Dichlorotetrafluoroethane	76-14-2	0.05	0.091945	0.064289	0.066328	0.065349	0.067714	0.064648	0.064252	0.069	138%	0.01010	0.032	1.6
Vinyl chloride	75-01-4	0.05	0.087535	0.064735	0.064332	0.069858	0.060013	0.062939	0.066988	0.068	136%	0.00912	0.029	1.7
Trichlorofluoromethane	75-69-4	0.05	0.094913	0.065652	0.066987	0.068462	0.065407	0.066049	0.06528	0.070	141%	0.01087	0.034	1.5
trans-1,2-Dichloroethene	156-60-5	0.05	0.090752	0.06635	0.063605	0.067671	0.064132	0.06321	0.060048	0.068	136%	0.01034	0.032	1.5
1,1-Dichloroethane	75-34-3	0.05	0.096744	0.070288	0.067717	0.068656	0.065884	0.06472	0.067828	0.072	143%	0.01119	0.035	1.4
Chloroform	67-66-3	0.05	0.093068	0.066898	0.069012	0.06744	0.068232	0.066534	0.06627	0.071	142%	0.00975	0.031	1.6
1,1,1-Trichloroethane	71-55-6	0.05	0.095712	0.066556	0.065125	0.070464	0.065534	0.065207	0.064924	0.071	141%	0.01128	0.035	1.4
Cyclohexane	110-82-7	0.05	0.095102	0.064313	0.065699	0.066489	0.059982	0.063778	0.060065	0.068	136%	0.01225	0.039	1.3
Carbon tetrachloride	56-23-5	0.05	0.089593	0.063038	0.064147	0.060326	0.061586	0.060548	0.062775	0.066	132%	0.01049	0.033	1.5
2,2,4-Trimethylpentane	540-84-1	0.05	0.099219	0.071127	0.07029	0.070519	0.068385	0.068496	0.066053	0.073	147%	0.01150	0.036	1.4
1,2-Dichloroethane	107-06-2	0.05	0.092649	0.068174	0.065946	0.069452	0.065141	0.067168	0.065599	0.071	141%	0.00985	0.031	1.6
Trichloroethene	79-01-6	0.05	0.088629	0.064084	0.066352	0.064556	0.062577	0.063303	0.06145	0.067	135%	0.00954	0.030	1.7
Bromodichloromethane	75-27-4	0.05	0.077396	0.055711	0.05379	0.055138	0.053559	0.054251	0.052688	0.058	115%	0.00883	0.028	1.8
Dibromomethane	74-95-3	0.05	0.082834	0.062239	0.065542	0.060914	0.061284	0.064217	0.06085	0.065	131%	0.00789	0.025	2.0
Dibromochloromethane	124-48-1	0.05	0.061378	0.044223	0.04456	0.042317	0.043973	0.04767	0.042765	0.047	93%	0.00670	0.021	2.4
Acrylonitrile	107-13-1	0.05	0.050914	0.044191	0.039432	0.042263	0.040923	0.046369	0.036199	0.043	86%	0.00482	0.015	3.3
Isopropyl alcohol	67-63-0	0.05	0.093732	0.072824	0.06613	0.06893	0.066682	0.065222	0.055373	0.070	140%	0.01180	0.037	1.3

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	1							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Chloromethane	74-87-3	0.013	0.04	3.1	Y	0.0843251	01/21/11	0.082920	2/10/2011	0.073625	2/3/2011
n-Butane	106-97-8	0.011	0.04	3.6	Y	0.063690	01/21/11	0.078676	2/10/2011	0.063307	2/3/2011
1,3-Butadiene	106-99-0	0.010	0.04	4.0	Y	0.0411415	01/21/11	0.023420	2/10/2011	0.050751	2/3/2011
Bromomethane	74-83-9	0.012	0.04	3.3	Y	0.0429392	01/21/11	0.026278	2/10/2011	0.044979	2/3/2011
Freon TF	76-13-1	0.010	0.04	4.0	Y	0.050020	01/21/11	0.032953	2/10/2011	0.049006	2/3/2011
Methylene Chloride	75-09-2	0.013	0.04	3.1	Y	0.1304849	01/21/11	0.132440	2/10/2011	0.178325	2/3/2011
cis-1,2-Dichloroethene	156-59-2	0.014	0.04	2.9	Y	0.0559042	01/21/11	0.026524	2/10/2011	0.046805	2/3/2011
n-Heptane	142-82-5	0.010	0.04	4.0	Y	0.059220	01/21/11	0.036584	2/10/2011	0.049603	2/3/2011
Methyl methacrylate	80-62-6	0.013	0.04	3.1	Y	0.0185573	01/21/11	0.013207	2/10/2011	0.015919	2/3/2011
1,2-Dichloropropane	78-87-5	0.014	0.04	2.9	Y	0.0491645	01/21/11	0.029200	2/10/2011	0.033561	2/3/2011
Tetrachloroethene	127-18-4	0.011	0.04	3.6	Y	0.0517272	01/21/11	0.023626	2/10/2011	0.045015	2/3/2011
n-Pentane	109-66-0	0.011	0.04	3.6	Y	0.053629	01/21/11	0.067209	2/10/2011	0.060430	2/3/2011
Chloroethane	75-00-3	0.016	0.04	2.5	Y	0.040157	01/21/11	0.029232	2/10/2011	0.038282	2/3/2011
Bromoethene(Vinyl Bromide)	593-60-2	0.019	0.04	2.1	Y	0.042009	01/21/11	0.029122	2/10/2011	0.044899	2/3/2011
3-Chloropropene	107-05-1	0.019	0.04	2.1	Y	0.056749	01/21/11	0.035266	2/10/2011	0.048660	2/3/2011
Methyl tert-butyl ether	1634-04-4	0.016	0.04	2.5	Y	0.036290	01/21/11	0.025190	2/10/2011	0.034012	2/3/2011
Methyl Ethyl Ketone	78-93-3	0.017	0.04	2.4	Y	0.026228	01/21/11	0.019935	2/10/2011	0.027375	2/3/2011
Tetrahydrofuran	109-99-9	0.018	0.04	2.2	Y	0.036990	01/21/11	0.028150	2/10/2011	0.026504	2/3/2011
Benzene	71-43-2	0.018	0.04	2.2	Y	0.058848	01/21/11	0.041292	2/10/2011	0.056796	2/3/2011
cis-1,3-Dichloropropene	10061-01-5	0.016	0.04	2.5	Y	0.041337	01/21/11	0.022500	2/10/2011	0.029651	2/3/2011
Toluene	108-88-3	0.018	0.04	2.2	Y	0.044860	01/21/11	0.032692	2/10/2011	0.040179	2/3/2011
1,1,2-Trichloroethane	79-00-5	0.019	0.04	2.1	Y	0.035285	01/21/11	0.022548	2/10/2011	0.033505	2/3/2011
1,2-Dibromoethane	106-93-4	0.018	0.04	2.2	Y	0.035138	01/21/11	0.019814	2/10/2011	0.030596	2/3/2011
Bromoform	75-25-2	0.019	0.04	2.1	Y	0.028803	01/21/11	0.015696	2/10/2011	0.024448	2/3/2011
Ethyl ether	60-29-7	0.016	0.04	2.5	Y	0.022675	01/21/11	0.021661	2/10/2011	0.023250	2/3/2011
n-Octane	111-65-9	0.016	0.04	2.5	Y	0.049646	01/21/11	0.035372	2/10/2011	0.045761	2/3/2011
Acrylonitrile	107-13-1	0.015	0.04	2.7	Y	0.024284	01/21/11	0.018677	2/10/2011	0.029606	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	2							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,2-Dichlorotetrafluoroethane	76-14-2	0.032	0.08	2.5	Y	0.089611	01/21/11	0.061189	2/10/2011	0.091308	2/3/2011
Vinyl chloride	75-01-4	0.029	0.08	2.8	Y	0.082484	01/21/11	0.053773	2/10/2011	0.086385	2/3/2011
1,1-Dichloroethene	75-35-4	0.030	0.08	2.7	Y	0.100549	01/21/11	0.057921	2/10/2011	0.099469	2/3/2011
trans-1,2-Dichloroethene	156-60-5	0.032	0.08	2.5	Y	0.087924	01/21/11	0.052188	2/10/2011	0.086974	2/3/2011
n-Hexane	110-54-3	0.026	0.08	2.7	Y	0.092921	01/21/11	0.080984	2/10/2011	0.092204	2/3/2011
Chloroform	67-66-3	0.031	0.08	2.6	Y	0.096132	01/21/11	0.056766	2/10/2011	0.087114	2/3/2011
Trichloroethene	79-01-6	0.030	0.08	2.7	Y	0.086903	01/21/11	0.051520	2/10/2011	0.089881	2/3/2011
Bromodichloromethane	75-27-4	0.028	0.08	2.9	Y	0.078200	01/21/11	0.046463	2/10/2011	0.075705	2/3/2011
Dibromomethane	74-95-3	0.025	0.08	3.2	Y	0.085097	01/21/11	0.044885	2/10/2011	0.090685	2/3/2011
Methyl isobutyl ketone	108-10-1	0.026	0.08	3.1	Y	0.070823	01/21/11	0.045424	2/10/2011	0.048252	2/3/2011
trans-1,3-Dichloropropene	10061-02-6	0.020	0.08	4.0	Y	0.084585	01/21/11	0.041504	2/10/2011	0.065278	2/3/2011
Dibromochloromethane	124-48-1	0.021	0.08	3.8	Y	0.071458	01/21/11	0.038884	2/10/2011	0.065182	2/3/2011
Chlorobenzene	108-90-7	0.020	0.08	4.0	Y	0.094056	01/21/11	0.052299	2/10/2011	0.079892	2/3/2011
Ethylbenzene	100-41-4	0.022	0.08	3.6	Y	0.087649	01/21/11	0.054646	2/10/2011	0.071716	2/3/2011
Xylene, o-	95-47-6	0.022	0.08	3.6	Y	0.073560	01/21/11	0.044869	2/10/2011	0.071242	2/3/2011
Styrene	100-42-5	0.030	0.08	2.7	Y	0.069383	01/21/11	0.031778	2/10/2011	0.055159	2/3/2011
Cumene	98-82-8	0.031	0.08	2.6	Y	0.072252	01/21/11	0.046433	2/10/2011	0.070663	2/3/2011
Acetonitrile	75-05-8	0.029	0.08	2.8	Y	0.137853	01/21/11	0.079535	2/10/2011	0.103024	2/3/2011
Acrolein	107-02-8	0.028	0.08	2.9	Y	0.061464	01/21/11	0.056108	2/10/2011	0.062719	2/3/2011
Isopentane	78-78-4	0.027	0.08	3.0	Y	0.090816	01/21/11	0.103753	2/10/2011	0.116894	2/3/2011
1,2-Dichloroethane	107-06-2	0.031	0.08	2.6	Y	0.098855	01/21/11	0.052275	2/10/2011	0.089740	2/3/2011
m,p-Xylene	179601-23-1	0.048	0.16	3.3	Y	0.150921	01/21/11	0.092116	2/10/2011	0.148705	2/3/2011
Xylene (total)	1330-20-7	0.070	0.24	3.4	Y	0.224481	01/21/11	0.136984	2/10/2011	0.219947	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	3							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Dichlorodifluoromethane	75-71-8	0.038	0.13	3.4	Y	0.154221	01/21/11	0.207322	2/10/2011	0.143322	2/3/2011
Freon 22	75-45-6	0.034	0.13	3.8	Y	0.156649	01/21/11	0.199070	2/10/2011	0.158361	2/3/2011
Trichlorofluoromethane	75-69-4	0.034	0.13	3.8	Y	0.142547	01/21/11	0.134054	2/10/2011	0.138048	2/3/2011
Isopropyl alcohol	67-63-0	0.037	0.13	3.5	Y	0.168176	01/21/11	0.163494	2/10/2011	0.124920	2/3/2011
1,1-Dichloroethane	75-34-3	0.035	0.13	3.7	Y	0.146871	01/21/11	0.091923	2/10/2011	0.139252	2/3/2011
Vinyl acetate	108-05-4	0.035	0.13	3.7	Y	0.136686	01/21/11	0.072790	2/10/2011	0.112938	2/3/2011
1,1,1-Trichloroethane	71-55-6	0.035	0.13	3.7	Y	0.144375	01/21/11	0.088928	2/10/2011	0.135264	2/3/2011
Cyclohexane	110-82-7	0.039	0.13	3.3	Y	0.137269	01/21/11	0.086890	2/10/2011	0.138803	2/3/2011
Carbon tetrachloride	56-23-5	0.033	0.13	3.9	Y	0.138242	01/21/11	0.096220	2/10/2011	0.125111	2/3/2011
2,2,4-Trimethylpentane	540-84-1	0.036	0.13	3.6	Y	0.151161	01/21/11	0.097849	2/10/2011	0.139508	2/3/2011
1,1,2,2-Tetrachloroethane	79-34-5	0.04	0.13	3.3	Y	0.120448	01/21/11	0.081011	2/10/2011	0.119922	2/3/2011
1,3-Dichlorobenzene	541-73-1	0.044	0.13	3.0	Y	0.118793	01/21/11	0.074299	2/10/2011	0.102048	2/3/2011
1,4-Dichlorobenzene	106-46-7	0.044	0.13	3.0	Y	0.114823	01/21/11	0.074551	2/10/2011	0.095198	2/3/2011
n-Nonane	111-84-2	0.035	0.13	3.7	Y	0.150613	01/21/11	0.102831	2/10/2011	0.131800	2/3/2011
Alpha Methyl Styrene	98-83-9	0.036	0.13	3.6	Y	0.088403	01/21/11	0.052919	2/10/2011	0.070275	2/3/2011
Acetone	67-64-1	0.045	0.13	2.9	Y	0.268147	01/21/11	1.043663	2/10/2011	0.286823	2/3/2011
Methyl Butyl Ketone (2-Hexanone	591-78-6	0.039	0.13	3.3	Y	0.102927	01/21/11	0.050502	2/10/2011	0.079521	2/3/2011
1,3,5-Trimethylbenzene	108-67-8	0.051	0.13	2.5	Y	0.099494	01/21/11	0.080146	2/10/2011	0.112295	2/3/2011
tert-Butylbenzene	98-06-6	0.047	0.13	2.8	Y	0.100974	01/21/11	0.083055	2/10/2011	0.126430	2/3/2011
1,2,4-Trimethylbenzene	95-63-6	0.052	0.13	2.5	Y	0.093496	01/21/11	0.077069	2/10/2011	0.105071	2/3/2011
4-Isopropyltoluene	99-87-6	0.048	0.13	2.7	Y	0.099966	01/21/11	0.081198	2/10/2011	0.106240	2/3/2011
Benzyl chloride	100-44-7	0.046	0.13	2.8	Y	0.087291	01/21/11	0.062079	2/10/2011	0.063588	2/3/2011
n-Butylbenzene	104-51-8	0.055	0.13	2.4	Y	0.105326	01/21/11	0.087162	2/10/2011	0.091833	2/3/2011
1,2,4-Trichlorobenzene	120-82-1	0.05	0.13	2.6	Y	0.140368	01/21/11	0.069510	2/10/2011	0.066469	2/3/2011
n-Decane	124-18-5	0.052	0.13	2.5	Y	0.120041	01/21/11	0.106123	2/10/2011	0.094822	2/3/2011
4-Ethyltoluene	622-96-8	0.046	0.13	2.8	Y	0.100319	01/21/11	0.083581	2/10/2011	0.116029	2/3/2011
2-Chlorotoluene	95-49-8	0.047	0.13	2.8	Y	0.133615	01/21/11	0.093384	2/10/2011	0.129192	2/3/2011
sec-Butylbenzene	135-98-8	0.047	0.13	2.8	Y	0.100359	01/21/11	0.083454	2/10/2011	0.117959	2/3/2011
1,2-Dichlorobenzene	95-50-1	0.048	0.13	2.7	Y	0.112511	01/21/11	0.073182	2/10/2011	0.106396	2/3/2011
1,2,3-Trichloropropane	96-18-4	0.046	0.13	2.8	Y	0.132612	01/21/11	0.099927	2/10/2011	0.139508	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	4							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
Propylene	115-07-1	0.054	0.20	3.7	Y	0.270393	01/21/11	0.347567	2/10/2011	0.280007	2/3/2011
Carbon disulfide	75-15-0	0.066	0.20	3.0	Y	0.211080	01/21/11	0.140112	2/10/2011	0.213331	2/3/2011
Ethyl acetate	141-78-6	0.052	0.20	3.8	Y	0.093712	01/21/11	0.091471	2/10/2011	0.138658	2/3/2011
n-Propylbenzene	103-65-1	0.050	0.20	4.0	Y	0.189546	01/21/11	0.140935	2/10/2011	0.198387	2/3/2011
Hexachlorobutadiene	87-68-3	0.065	0.20	3.1	Y	0.245311	01/21/11	0.125313	2/10/2011	0.191995	2/3/2011
n-Undecane	1120-21-4	0.063	0.20	3.2	Y	0.223886	01/21/11	0.210531	2/10/2011	0.188278	2/3/2011
tert-Butyl alcohol	75-65-0	0.071	0.20	2.8	Y	0.172373	01/21/11	0.142173	2/10/2011	0.157018	2/3/2011
Ethanol	64-17-5	0.132	0.20	1.5	Y	0.245140	01/21/11	0.740152	2/10/2011	0.257166	2/3/2011

Limit of Detection (LOD) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	01/21/11		Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL		C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL		RTX-624		RTX-624		RTX-624	
MATRIX:	Air		LOD Ref:	5							
ANALYTE	CAS #	DL ug/L	Spike ug/L	Spike/DL Ratio	Pass Y/N	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed	Result ug/L	Date Analyzed
1,4-Dioxane	123-91-1	0.088	0.32	3.6	Y	0.312989	01/21/11	0.229685	2/10/2011	0.251385	2/3/2011
Naphthalene	91-20-3	0.086	0.32	3.7	Y	0.283616	01/21/11	0.196197	2/10/2011	0.187375	2/3/2011
1,2,3-Trichlorobenzene	87-61-6	0.086	0.32	3.7	Y	0.397521	01/21/11	0.210696	2/10/2011	0.244996	2/3/2011
n-Dodecane	112-40-3	0.085	0.32	3.8	Y	0.430361	01/21/11	0.310593	2/10/2011	0.427240	2/3/2011
n-Butanol	71-36-3	0.133	0.32	2.4	Y	0.359139	01/21/11	0.177655	2/10/2011	0.221147	2/3/2011

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
1,1,1-Trichloroethane	71-55-6	0.2	0.2	1.0	90-116	30	Y	0.224243	112%	0.201791	101%	0.222206	111%
1,1,2,2-Tetrachloroethane	79-34-5	0.2	0.2	1.0	68-112	30	Y	0.193282	97%	0.207704	104%	0.232122	116%
1,1,2-Trichloroethane	79-00-5	0.2	0.2	1.0	77-110	30	Y	0.221939	111%	0.192304	96%	0.226027	113%
1,1-Dichloroethane	75-34-3	0.2	0.2	1.0	91-118	30	Y	0.223561	112%	0.228705	114%	0.233306	117%
1,1-Dichloroethene	75-35-4	0.2	0.2	1.0	86-138	30	Y	0.247420	124%	0.218630	109%	0.225226	113%
1,2,3-Trichlorobenzene	87-61-6	0.2	0.2	1.0	50-150	30	Y	0.307038	154%	0.164839	82%	0.140893	70%
1,2,3-Trichloropropane	96-18-4	0.5	0.5	1.0	78-115	30	Y	0.449700	90%	0.485953	97%	0.467246	93%
1,2,4-Trichlorobenzene	120-82-1	0.5	0.5	1.0	50-150	30	Y	0.588211	118%	0.432226	86%	0.339711	68%
1,2,4-Trimethylbenzene	95-63-6	0.2	0.2	1.0	50-114	30	Y	0.189765	95%	0.199772	100%	0.215847	108%
1,2-Dibromoethane	106-93-4	0.2	0.2	1.0	65-110	30	Y	0.203231	102%	0.166365	83%	0.200654	100%
1,2-Dichlorobenzene	95-50-1	0.2	0.2	1.0	47-112	30	Y	0.214869	107%	0.180392	90%	0.194258	97%
1,2-Dichloroethane	107-06-2	0.2	0.2	1.0	84-123	30	Y	0.241648	121%	0.212377	106%	0.224656	112%
1,2-Dichloropropane	78-87-5	0.2	0.2	1.0	80-116	30	Y	0.219895	110%	0.221459	111%	0.229479	115%
1,2-Dichlorotetrafluoroethane	76-14-2	0.2	0.2	1.0	84-131	30	Y	0.204000	102%	0.232867	116%	0.250708	125%
1,3,5-Trimethylbenzene	108-67-8	0.2	0.2	1.0	63-112	30	Y	0.187022	94%	0.200650	100%	0.224006	112%
1,3-Butadiene	106-99-0	0.2	0.2	1.0	78-132	30	Y	0.160294	80%	0.217902	109%	0.224522	112%
1,3-Dichlorobenzene	541-73-1	0.2	0.2	1.0	52-111	30	Y	0.230745	115%	0.174296	87%	0.186292	93%
1,4-Dichlorobenzene	106-46-7	0.2	0.2	1.0	42-116	30	Y	0.227875	114%	0.165182	83%	0.168982	84%
1,4-Dioxane	123-91-1	5.0	5.0	1.0	57-123	30	Y	4.349695	87%	5.142641	103%	5.238548	105%
2,2,4-Trimethylpentane	540-84-1	0.2	0.2	1.0	78-120	30	Y	0.214485	107%	0.231321	116%	0.227445	114%
2-Chlorotoluene	95-49-8	0.2	0.2	1.0	73-119	30	Y	0.201446	101%	0.213832	107%	0.230210	115%
3-Chloropropene	107-05-1	0.2	0.2	1.0	77-124	30	Y	0.208368	104%	0.239338	120%	0.235632	118%
4-Ethyltoluene	622-96-8	0.2	0.2	1.0	59-112	30	Y	0.190825	95%	0.199504	100%	0.201852	101%
4-Isopropyltoluene	99-87-6	0.2	0.2	1.0	47-112	30	Y	0.187577	94%	0.182880	91%	0.206279	103%
Acetone	67-64-1	5.0	5.0	1.0	50-150	30	Y	5.918625	118%	6.493141	130%	5.637133	113%
Acetonitrile	75-05-8	5.0	5.0	1.0	48-160	30	Y	4.913922	98%	5.646111	113%	4.861316	97%
Acrolein	107-02-8	5.0	5.0	1.0	59-100	30	Y	4.627458	93%	5.012252	100%	4.962316	99%
Acrylonitrile	107-13-1	0.5	0.5	1.0	50-150	30	Y	0.385763	77%	0.491138	98%	0.403010	81%
Alpha Methyl Styrene	98-83-9	0.2	0.2	1.0	50-150	30	Y	0.153780	77%	0.140370	70%	0.144196	72%
Benzene	71-43-2	0.2	0.2	1.0	90-121	30	Y	0.205509	103%	0.224604	112%	0.244505	122%
Benzyl chloride	100-44-7	0.2	0.2	1.0	24-116	30	Y	0.206416	103%	0.175981	88%	0.145228	73%
Bromodichloromethane	75-27-4	0.2	0.2	1.0	75-114	30	Y	0.197490	99%	0.185259	93%	0.199157	100%
Bromoethene(Vinyl Bromide)	593-60-2	0.2	0.2	1.0	81-130	30	Y	0.173484	87%	0.231701	116%	0.227505	114%
Bromoform	75-25-2	0.2	0.2	1.0	29-122	30	Y	0.173542	87%	0.120515	60%	0.161853	81%
Bromomethane	74-83-9	0.2	0.2	1.0	80-129	30	Y	0.180027	90%	0.231508	116%	0.241877	121%
Carbon disulfide	75-15-0	0.5	0.5	1.0	56-153	30	Y	0.408781	82%	0.450766	90%	0.473903	95%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
Carbon tetrachloride	56-23-5	0.2	0.2	1.0	70-110	30	Y	0.212677	106%	0.186546	93%	0.207356	104%
Chlorobenzene	108-90-7	0.2	0.2	1.0	78-114	30	Y	0.224586	112%	0.207436	104%	0.227466	114%
Chloroethane	75-00-3	0.5	0.5	1.0	82-136	30	Y	0.403171	81%	0.480467	96%	0.517378	103%
Chloroform	67-66-3	0.2	0.2	1.0	92-116	30	Y	0.233150	117%	0.221495	111%	0.228551	114%
Chloromethane	74-87-3	0.5	0.5	1.0	87-142	30	Y	0.523856	105%	0.589980	118%	0.596782	119%
cis-1,2-Dichloroethene	156-59-2	0.2	0.2	1.0	82-123	30	Y	0.224498	112%	0.216420	108%	0.232892	116%
cis-1,3-Dichloropropene	10061-01-5	0.2	0.2	1.0	64-117	30	Y	0.229791	115%	0.193260	97%	0.205483	103%
Cumene	98-82-8	0.2	0.2	1.0	68-115	30	Y	0.181504	91%	0.188121	94%	0.227125	114%
Cyclohexane	110-82-7	0.2	0.2	1.0	79-116	30	Y	0.193046	97%	0.213648	107%	0.223421	112%
Dibromochloromethane	124-48-1	0.2	0.2	1.0	58-112	30	Y	0.179346	90%	0.146384	73%	0.176085	88%
Dibromomethane	74-95-3	0.2	0.2	1.0	71-122	30	Y	0.207763	104%	0.166587	83%	0.205032	103%
Dichlorodifluoromethane	75-71-8	0.5	0.5	1.0	83-139	30	Y	0.558694	112%	0.550061	110%	0.596060	119%
Ethanol	64-17-5	5.0	5.0	1.0	64-136	30	Y	5.136704	103%	5.786793	116%	4.756761	95%
Ethyl acetate	141-78-6	5.0	5.0	1.0	39-122	30	Y	4.324479	86%	4.764036	95%	4.773995	95%
Ethyl ether	60-29-7	0.2	0.2	1.0	75-125	30	Y	0.200119	100%	0.229351	115%	0.223428	112%
Ethylbenzene	100-41-4	0.2	0.2	1.0	77-118	30	Y	0.210445	105%	0.210191	105%	0.231464	116%
Freon 22	75-45-6	0.5	0.5	1.0	83-145	30	Y	0.564825	113%	0.561066	112%	0.600311	120%
Freon TF	76-13-1	0.2	0.2	1.0	96-123	30	Y	0.201876	101%	0.212962	106%	0.234259	117%
Hexachlorobutadiene	87-68-3	0.2	0.2	1.0	28-133	30	Y	0.264678	132%	0.181954	91%	0.219664	110%
Isopentane	78-78-4	0.2	0.2	1.0	57-176	30	Y	0.194833	97%	0.271245	136%	0.262581	131%
Isopropyl alcohol	67-63-0	5.0	5.0	1.0	68-124	30	Y	4.550384	91%	5.591147	112%	5.159520	103%
m,p-Xylene	179601-23-1	0.5	1.0	2.0	71-116	30	Y	0.832534	83%	0.859363	86%	0.860728	86%
Methyl Butyl Ketone (2-Hexanor	591-78-6	0.5	0.5	1.0	52-119	30	Y	0.411362	82%	0.400978	80%	0.361382	72%
Methyl Ethyl Ketone	78-93-3	0.5	0.5	1.0	66-128	30	Y	0.506375	101%	0.542444	108%	0.471670	94%
Methyl isobutyl ketone	108-10-1	0.5	0.5	1.0	56-122	30	Y	0.428107	86%	0.424421	85%	0.366125	73%
Methyl methacrylate	80-62-6	0.5	0.5	1.0	46-114	30	Y	0.345331	69%	0.359670	72%	0.321638	64%
Methyl tert-butyl ether	1634-04-4	0.2	0.2	1.0	79-124	30	Y	0.221673	111%	0.221147	111%	0.220895	110%
Methylene Chloride	75-09-2	0.5	0.5	1.0	104-148	30	Y	0.568666	114%	0.616175	123%	0.597385	119%
Naphthalene	91-20-3	0.5	0.5	1.0	50-150	30	Y	0.588614	118%	0.466549	93%	0.388718	78%
n-Butane	106-97-8	0.5	0.5	1.0	64-160	30	Y	0.520641	104%	0.575332	115%	0.591015	118%
n-Butanol	71-36-3	5.0	5.0	1.0	50-150	30	Y	4.322736	86%	5.057171	101%	5.295719	106%
n-Butylbenzene	104-51-8	0.2	0.2	1.0	30-126	30	Y	0.204675	102%	0.206758	103%	0.176558	88%
n-Decane	124-18-5	0.5	0.5	1.0	32-132	30	Y	0.386283	77%	0.522531	105%	0.386845	77%
n-Dodecane	112-40-3	5.0	5.0	1.0	50-150	30	Y	3.710056	74%	5.240548	105%	6.484273	130%
n-Heptane	142-82-5	0.2	0.2	1.0	67-141	30	Y	0.220194	110%	0.238921	119%	0.246257	123%
n-Hexane	110-54-3	0.2	0.2	1.0	63-137	30	Y	0.187081	94%	0.235818	118%	0.224260	112%

Limit of Quantitation (LOQ) Verification Report

TEST METHOD:	NJLLTO15		Prep Date:	02/15/11				Instrument(s):					
PREP METHOD:	NA		Initial Amount:	200 mL				C		B		G	
CLEANUP METHOD(s):	NA		Final Amount:	200 mL				RTX-624		RTX-624		RTX-624	
MATRIX:	Air		CSV Ref:	LOQ	LOQ Initial P&A Limits								
ANALYTE	CAS #	LOQ ug/L	Spike ug/L	Spike / LOQ Ratio	Limits %R	RPD	Pass Y/N	Result ug/L	%R	Result ug/L	%R	Result ug/L	%R
n-Nonane	111-84-2	0.2	0.2	1.0	58-132	30	Y	0.190284	95%	0.226607	113%	0.246383	123%
n-Octane	111-65-9	0.5	0.5	1.0	62-145	30	Y	0.46332	93%	0.514892	103%	0.538633	108%
n-Pentane	109-66-0	0.5	0.5	1.0	50-150	30	Y	0.421204	84%	0.509866	102%	0.516148	103%
n-Propylbenzene	103-65-1	0.2	0.2	1.0	70-114	30	Y	0.185914	93%	0.208836	104%	0.224447	112%
n-Undecane	1120-21-4	5.0	5.0	1.0	50-150	30	Y	3.623529	72%	5.619464	112%	5.308220	106%
Propylene	115-07-1	5.0	5.0	1.0	73-149	30	Y	4.922435	98%	5.055603	101%	5.681467	114%
sec-Butylbenzene	135-98-8	0.2	0.2	1.0	60-113	30	Y	0.182865	91%	0.198786	99%	0.222623	111%
Styrene	100-42-5	0.2	0.2	1.0	42-114	30	Y	0.167723	84%	0.147842	74%	0.179506	90%
tert-Butyl alcohol	75-65-0	5.0	5.0	1.0	68-123	30	Y	4.700971	94%	5.267677	105%	4.913852	98%
tert-Butylbenzene	98-06-6	0.2	0.2	1.0	67-112	30	Y	0.186738	93%	0.198583	99%	0.228708	114%
Tetrachloroethene	127-18-4	0.2	0.2	1.0	72-119	30	Y	0.214762	107%	0.170511	85%	0.228217	114%
Tetrahydrofuran	109-99-9	5.0	5.0	1.0	75-120	30	Y	4.921039	98%	5.022289	100%	5.112919	102%
Toluene	108-88-3	0.2	0.2	1.0	84-118	30	Y	0.229181	115%	0.210748	105%	0.259014	130%
trans-1,2-Dichloroethene	156-60-5	0.2	0.2	1.0	87-117	30	Y	0.216749	108%	0.220213	110%	0.231713	116%
trans-1,3-Dichloropropene	10061-02-6	0.2	0.2	1.0	62-118	30	Y	0.205476	103%	0.186215	93%	0.199710	100%
Trichloroethene	79-01-6	0.2	0.2	1.0	87-115	30	Y	0.210775	105%	0.203494	102%	0.225994	113%
Trichlorofluoromethane	75-69-4	0.2	0.2	1.0	86-129	30	Y	0.216695	108%	0.228253	114%	0.226752	113%
Vinyl acetate	108-05-4	5.0	5.0	1.0	56-119	30	Y	5.017741	100%	5.261298	105%	4.841840	97%
Vinyl chloride	75-01-4	0.2	0.2	1.0	76-138	30	Y	0.186993	93%	0.210830	105%	0.246255	123%
Xylene (total)	1330-20-7	0.2	0.6	3.0	50-150	30	Y	0.588484	98%	0.601556	100%	0.698121	116%
Xylene, o-	95-47-6	0.2	0.2	1.0	69-113	30	Y	0.195831	98%	0.189629	95%	0.236375	118%

Note: Pass = The %R on each instrument is within 50-150%

Method TO15 Low Level - New Jersey

Volatile Organic Compounds - Low level (GC/MS) by New Jersey Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Matrix: Air Level: Low Lab File ID: ckrh004.d

Lab ID: LCS 200-36628/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.192 J	96	60-140	
1,2-Dichloroethene, trans-	0.200	0.190 J	95	60-140	
1,2-Dichloroethene, cis-	0.200	0.202	101	60-140	
1,1,1-Trichloroethane	0.200	0.196 J	98	60-140	
1,2-Dichloroethane	0.200	0.200	100	60-140	
Trichloroethene	0.200	0.174 J	87	60-140	
1,1,2-Trichloroethane	0.200	0.201	100	60-140	
Tetrachloroethene	0.200	0.199 J	99	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.178 J	89	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Matrix: Air Level: Low Lab File ID: ckrh005.d

Lab ID: LCS 200-36628/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	0.500	0.654	131	60-140	
Chloroethane	0.500	0.547	109	60-140	
Methylene Chloride	0.500	0.936	187	60-140	*

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab File ID: ckrh003.d Lab Sample ID: MB 200-36628/3

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

Instrument ID: C.i Date Analyzed: 04/10/2012 11:10

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-36628/4	ckrh004.d	04/10/2012 12:00
	LCS 200-36628/5	ckrh005.d	04/10/2012 12:51
BLDG602 AA-2	200-10127-1	ckrh009.d	04/10/2012 16:11
BLDG602 IA-3	200-10127-2	ckrh010.d	04/10/2012 17:01
BLDG602 SS-4	200-10127-3	ckrh011.d	04/10/2012 17:51
BLDG602 SS-5	200-10127-4	ckrh012.d	04/10/2012 18:40

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab File ID: ckr001.d BFB Injection Date: 03/30/2012

Instrument ID: C.i BFB Injection Time: 14:51

Analysis Batch No.: 36189

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.5	
75	30.0 - 66.0% of mass 95	51.3	
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	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	94.7	
175	4.0 - 9.0 % of mass 174	6.5	(6.9)1
176	93.0 - 101.0% of mass 174	92.4	(97.6)1
177	5.0 - 9.0% of mass 176	5.9	(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
	IC 200-36189/3	ckr003.d	03/30/2012	16:32
	IC 200-36189/4	ckr004.d	03/30/2012	17:22
	IC 200-36189/5	ckr005.d	03/30/2012	18:12
	IC 200-36189/6	ckr006.d	03/30/2012	19:02
	ICIS 200-36189/7	ckr007.d	03/30/2012	19:52
	IC 200-36189/8	ckr008.d	03/30/2012	20:41
	IC 200-36189/9	ckr009.d	03/30/2012	21:30
	IC 200-36189/10	ckr010.d	03/30/2012	22:20
	ICV 200-36189/13	ckr013.d	03/31/2012	00:49

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab File ID: ckrh001.d BFB Injection Date: 04/10/2012

Instrument ID: C.i BFB Injection Time: 09:28

Analysis Batch No.: 36628

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.4	
75	30.0 - 66.0% of mass 95	53.8	
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	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	96.2	
175	4.0 - 9.0 % of mass 174	6.7	(6.9)1
176	93.0 - 101.0% of mass 174	92.9	(96.5)1
177	5.0 - 9.0% of mass 176	6.0	(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 200-36628/2	ckrh002.d	04/10/2012	10:19
	MB 200-36628/3	ckrh003.d	04/10/2012	11:10
	LCS 200-36628/4	ckrh004.d	04/10/2012	12:00
	LCS 200-36628/5	ckrh005.d	04/10/2012	12:51
	LCS 200-36628/6	ckrh006.d	04/10/2012	13:41
BLDG602 AA-2	200-10127-1	ckrh009.d	04/10/2012	16:11
BLDG602 IA-3	200-10127-2	ckrh010.d	04/10/2012	17:01
BLDG602 SS-4	200-10127-3	ckrh011.d	04/10/2012	17:51
BLDG602 SS-5	200-10127-4	ckrh012.d	04/10/2012	18:40
	CCVC 200-36628/28	ckrh028.d	04/11/2012	07:58

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Sample No.: ICIS 200-36189/7 Date Analyzed: 03/30/2012 19:52

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckr007.d Heated Purge: (Y/N) N

Calibration ID: 14386

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		340102	11.07	1877216	12.39	1751499	16.31
UPPER LIMIT		476143	11.40	2628102	12.72	2452099	16.64
LOWER LIMIT		204061	10.74	1126330	12.06	1050899	15.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-36189/13		336988	11.07	1881909	12.39	1809203	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Sample No.: CCVIS 200-36628/2 Date Analyzed: 04/10/2012 10:19

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckrh002.d Heated Purge: (Y/N) N

Calibration ID: 14386

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		292672	11.07	1556590	12.38	1402403	16.31
UPPER LIMIT		409741	11.40	2179226	12.71	1963364	16.64
LOWER LIMIT		175603	10.74	933954	12.05	841442	15.98
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-36628/3		282877	11.07	1614701	12.38	1410107	16.31
LCS 200-36628/4		261660	11.07	1430242	12.38	1286867	16.31
LCS 200-36628/5		229028	11.07	1256752	12.38	1183180	16.31
LCS 200-36628/6		257782	11.07	1423633	12.38	1344128	16.31
200-10127-1	BLDG602 AA-2	246270	11.07	1383735	12.38	1247025	16.31
200-10127-2	BLDG602 IA-3	242919	11.07	1348688	12.39	1216749	16.31
200-10127-3	BLDG602 SS-4	235026	11.07	1302808	12.38	1245595	16.31
200-10127-4	BLDG602 SS-5	239610	11.06	1309722	12.38	1238871	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: BLDG602 AA-2 Lab Sample ID: 200-10127-1

Matrix: Air Lab File ID: ckrh009.d

Analysis Method: TO15LL/NJ Date Collected: 03/29/2012 14:16

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2012 16:11

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.69		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U *	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-10127-1
Client Smp ID: AA-2
Inj Date : 10-APR-2012 16:11
Operator : pad Inst ID: C.i
Smp Info : 200-10127-A-1
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	42616	0.59453	0.59
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.511	5.511	(0.498)	11876	0.68631	0.69
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.133	7.123	(0.645)	20469	0.25886	0.26(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

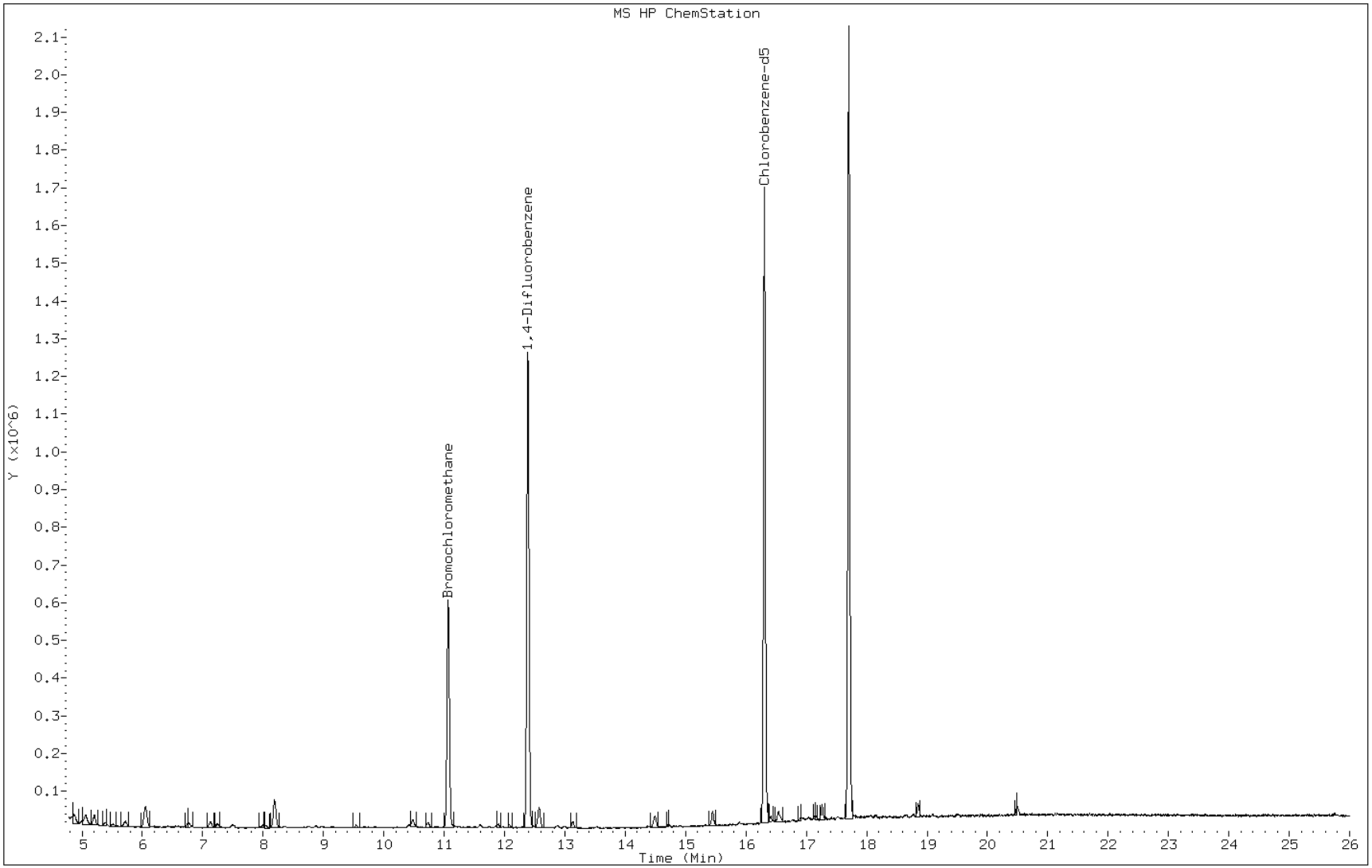
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.067	11.072	(1.000)	246270	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1383735	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	14.493	14.498	(0.889)	17438	0.31185	0.31
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.307	16.313	(1.000)	1247025	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckrh009.d	Date:	10-APR-2012 16:11
Client ID:	AA-2	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-10127-A-1		
Lab Sample ID:	200-10127-1		



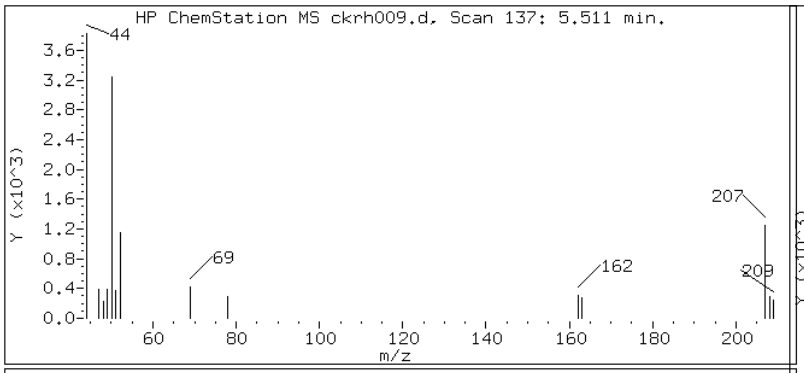
Data File: ckrh009.d

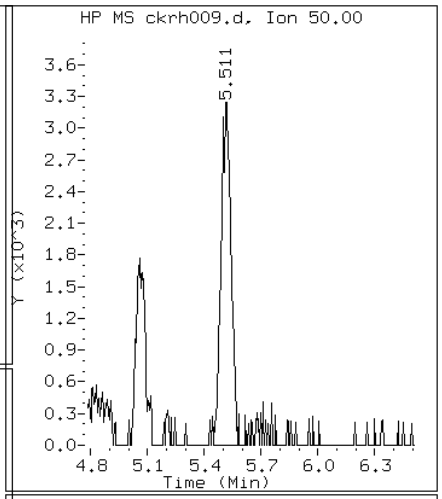
Lab Sample ID: 200-10127-1 Date: 10-APR-2012 16:11

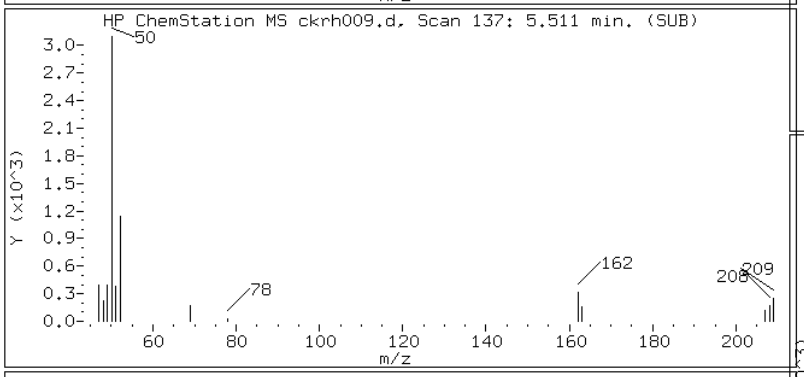
Client ID: AA-2 Instrument: C.i

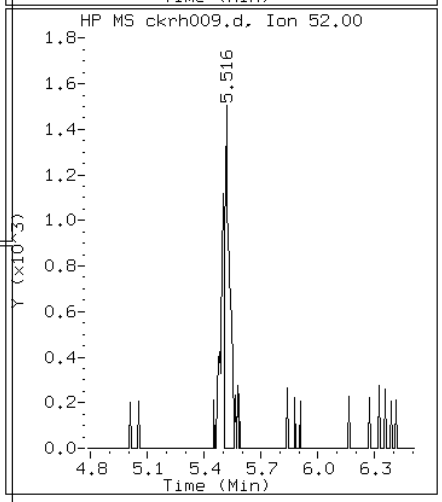
Sample Info: 200-10127-A-1 Operator: pad

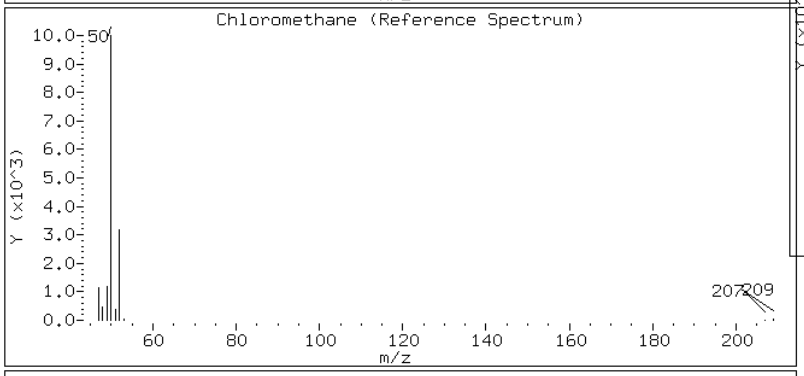
5 Chloromethane

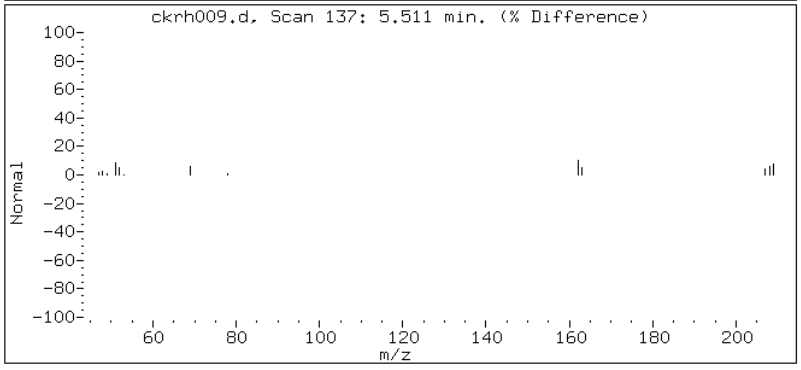












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: BLDG602 IA-3 Lab Sample ID: 200-10127-2

Matrix: Air Lab File ID: ckrh010.d

Analysis Method: TO15LL/NJ Date Collected: 03/29/2012 14:20

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2012 17:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.69		0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U *	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-10127-2
Client Smp ID: IA-3
Inj Date : 10-APR-2012 17:01
Operator : pad Inst ID: C.i
Smp Info : 200-10127-A-2
Misc Info : 200,1,
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.068	5.057	(0.458)	40493	0.57271	0.57(M)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.532	5.511	(0.500)	11738	0.68769	0.69
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	7.133	7.123	(0.645)	19965	0.25597	0.26
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

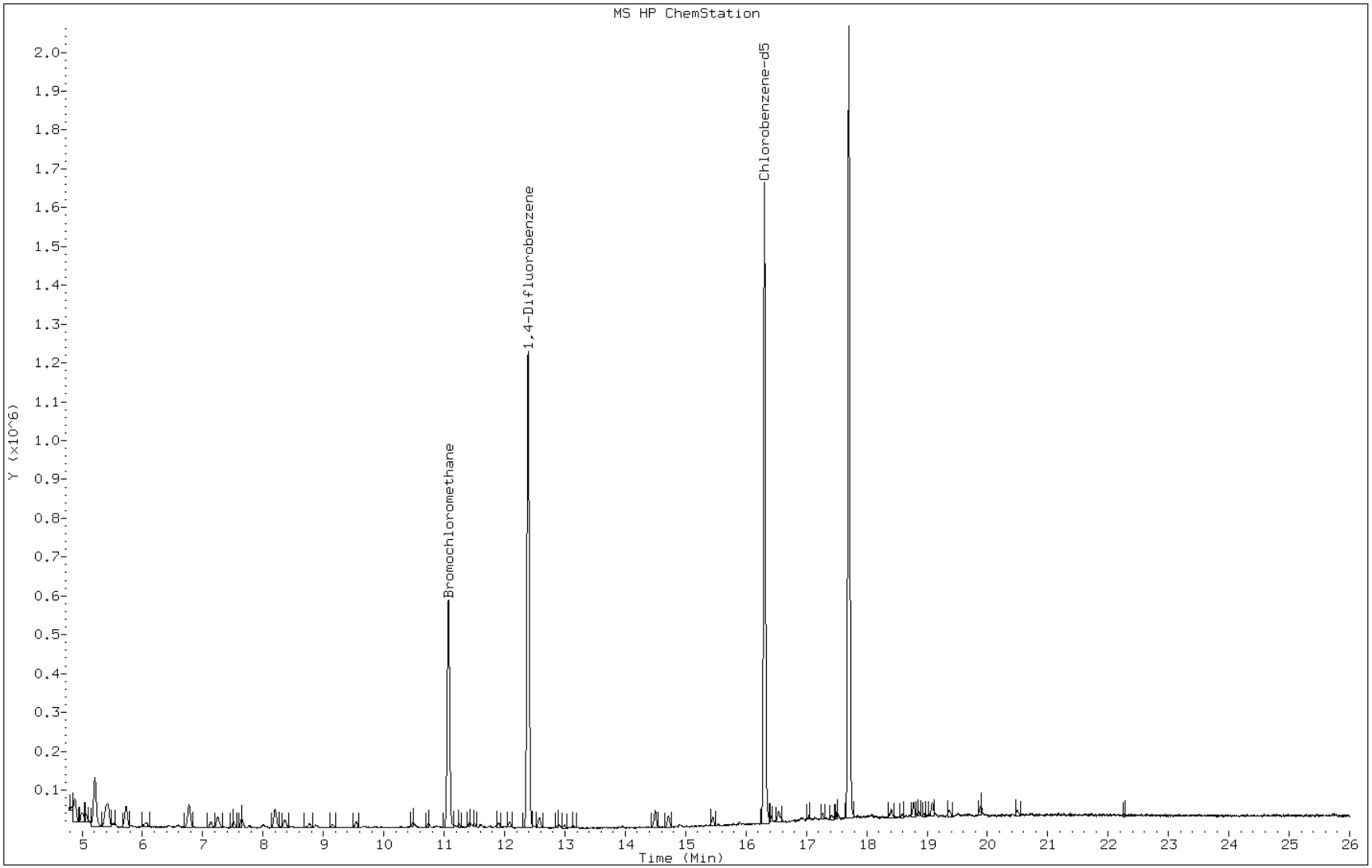
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	9.540	9.535	(0.862)	9037	0.24477	0.24
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.066	11.072	(1.000)	242919	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1348688	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	14.498	14.498	(0.889)	23973	0.43939	0.44
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.307	16.313	(1.000)	1216749	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckrh010.d	Date:	10-APR-2012 17:01
Client ID:	IA-3	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-10127-A-2		
Lab Sample ID:	200-10127-2		



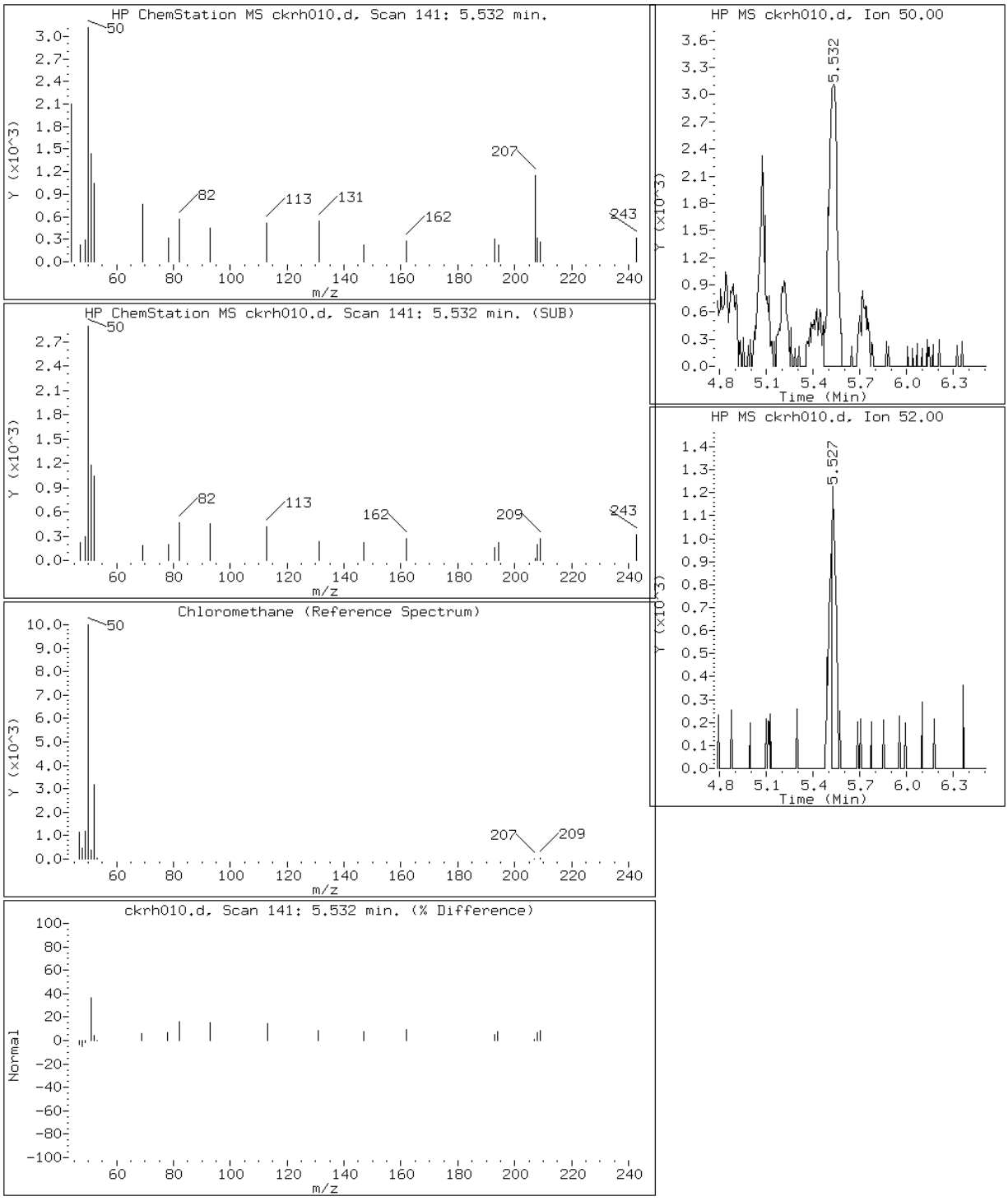
Data File: ckrh010.d

Lab Sample ID: 200-10127-2 Date: 10-APR-2012 17:01

Client ID: IA-3 Instrument: C.i

Sample Info: 200-10127-A-2 Operator: pad

5 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: BLDG602 SS-4 Lab Sample ID: 200-10127-3

Matrix: Air Lab File ID: ckrh011.d

Analysis Method: TO15LL/NJ Date Collected: 03/30/2012 15:44

Sample wt/vol: 20(mL) Date Analyzed: 04/10/2012 17:51

Soil Aliquot Vol: Dilution Factor: 10

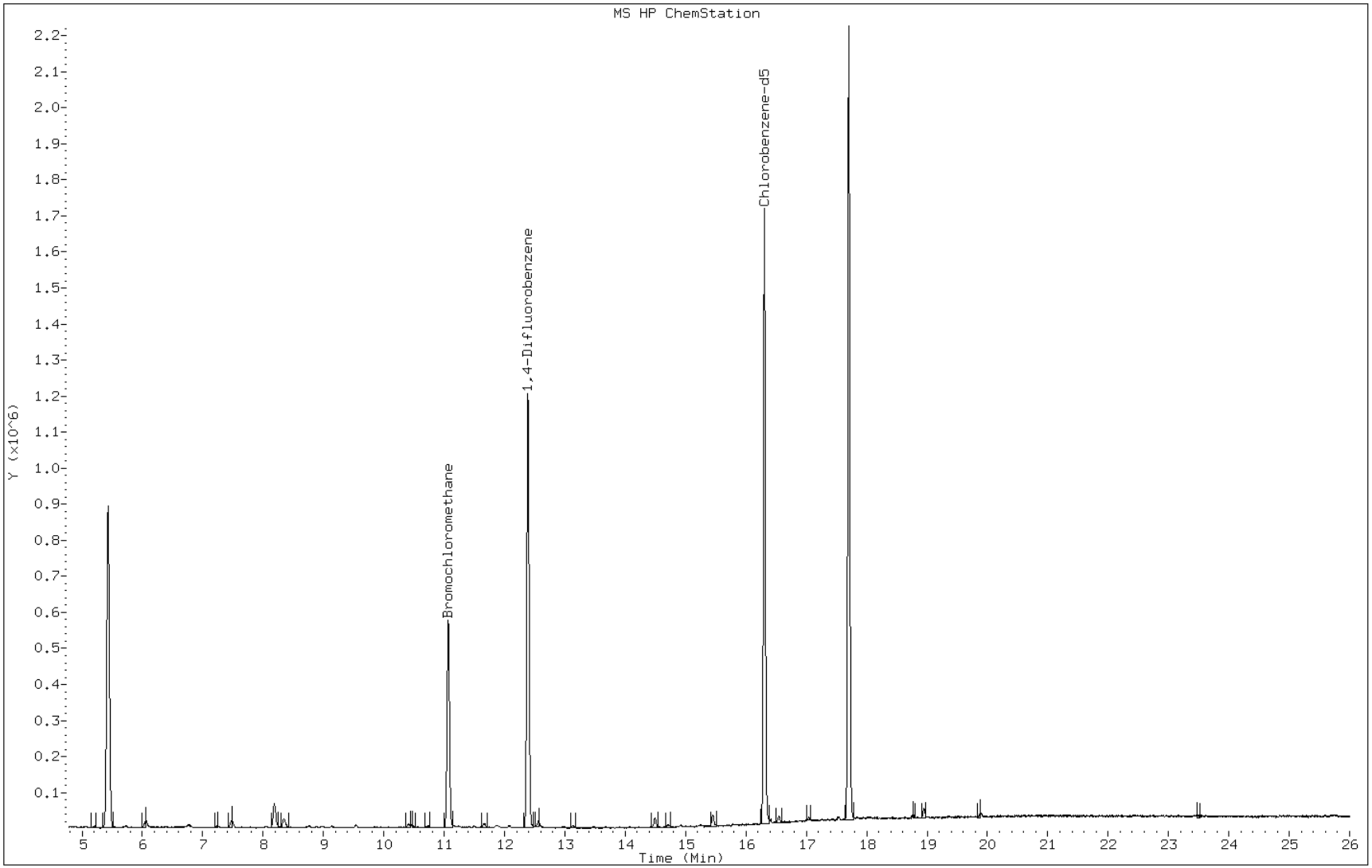
Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U *	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	2.0	U	2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

Data File:	ckrh011.d	Date:	10-APR-2012 17:51
Client ID:	SS-4	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-10127-A-3		
Lab Sample ID:	200-10127-3		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: BLDG602 SS-5 Lab Sample ID: 200-10127-4

Matrix: Air Lab File ID: ckrh012.d

Analysis Method: TO15LL/NJ Date Collected: 03/30/2012 17:04

Sample wt/vol: 20(mL) Date Analyzed: 04/10/2012 18:40

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	5.0	U	5.0	0.13
75-01-4	Vinyl chloride	2.0	U	2.0	0.29
75-00-3	Chloroethane	5.0	U	5.0	0.16
75-09-2	Methylene Chloride	5.0	U *	5.0	0.13
156-60-5	1,2-Dichloroethene, trans-	2.0	U	2.0	0.32
156-59-2	1,2-Dichloroethene, cis-	2.0	U	2.0	0.14
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.35
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.31
79-01-6	Trichloroethene	2.0	U	2.0	0.30
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.19
127-18-4	Tetrachloroethene	5.7		2.0	0.11
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.40

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-10127-4
Client Smp ID: SS-5
Inj Date : 10-APR-2012 18:40
Operator : pad Inst ID: C.i
Smp Info : 200-10127-A-4
Misc Info : 20,10,
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 4
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	20.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

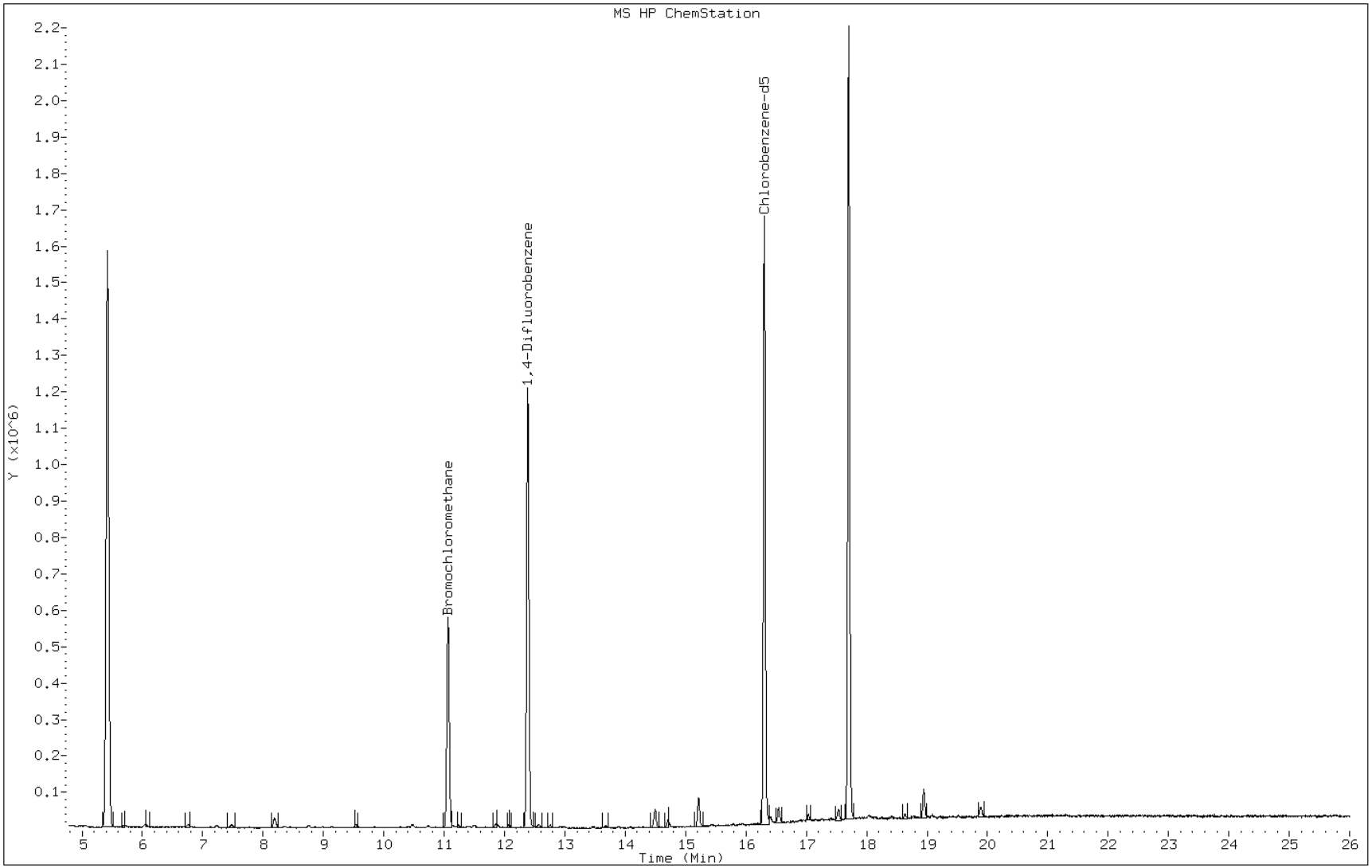
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.061	11.072	(1.000)	239610	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1309722	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	14.493	14.498	(0.889)	28707	0.51676	5.2
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	15.213	15.219	(0.933)	34086	0.56684	5.7
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.307	16.313	(1.000)	1238871	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File:	ckrh012.d	Date:	10-APR-2012 18:40
Client ID:	SS-5	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-10127-A-4		
Lab Sample ID:	200-10127-4		



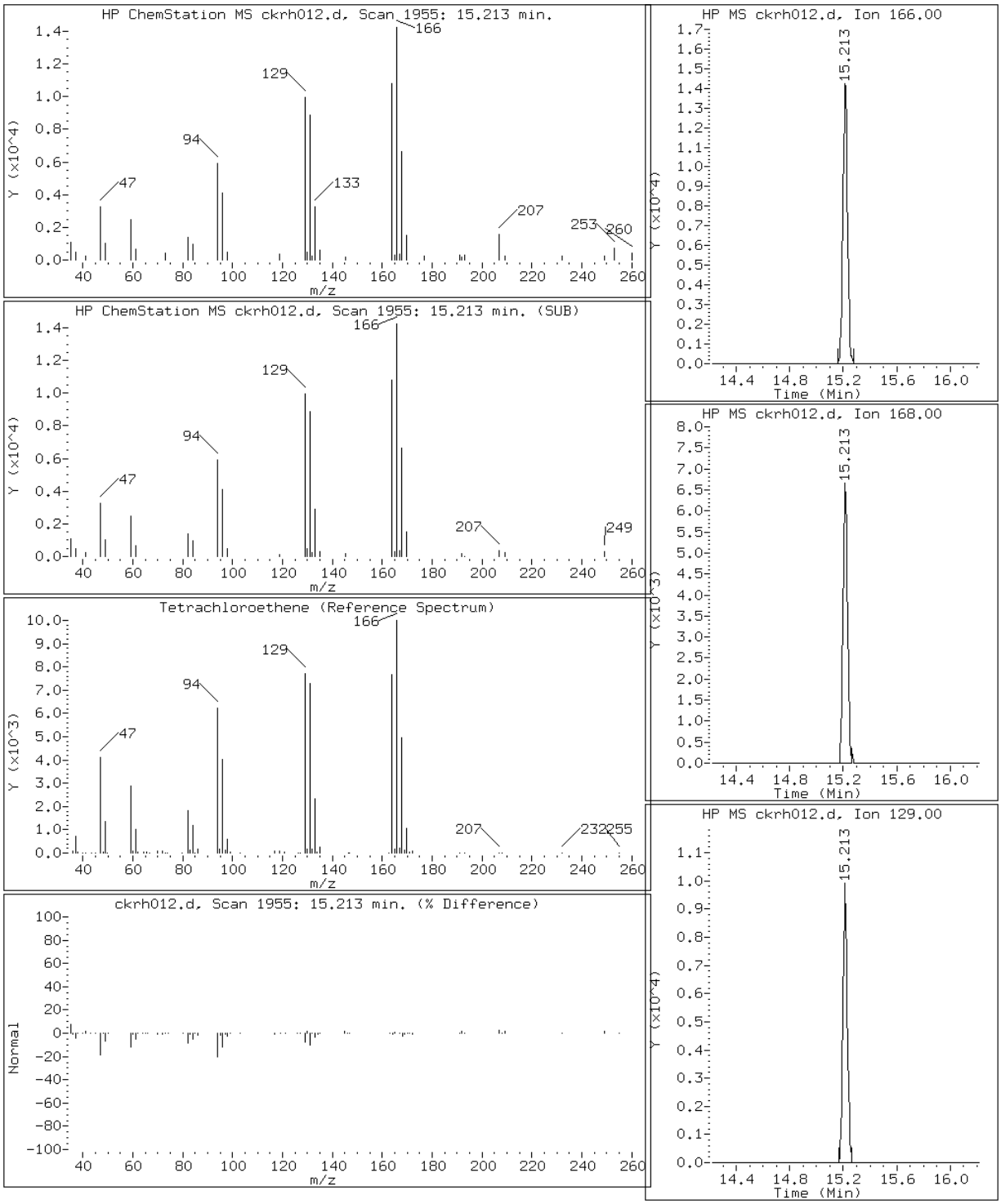
Data File: ckrh012.d

Lab Sample ID: 200-10127-4 Date: 10-APR-2012 18:40

Client ID: SS-5 Instrument: C.i

Sample Info: 200-10127-A-4 Operator: pad

61 Tetrachloroethene



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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-36189/3	IC 303351	ckr003.d
Level 2	IC 200-36189/4	IC 303351	ckr004.d
Level 3	IC 200-36189/5	IC 303354	ckr005.d
Level 4	IC 200-36189/6	IC 302595	ckr006.d
Level 5	ICIS 200-36189/7	ICIS 302576	ckr007.d
Level 6	IC 200-36189/8	IC 302594	ckr008.d
Level 7	IC 200-36189/9	IC 302555	ckr009.d
Level 8	IC 200-36189/10	IC 302540	ckr010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 2.7555	+++++ 2.7192	3.3835 2.5187	3.1937	2.8931	Ave		2.9106				11.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.5692	3.0918 2.5649	2.9382 2.3854	2.8787	2.6860	Ave		2.7306				9.1		30.0			
Chloromethane	+++++ 0.6615	+++++ 0.6630	0.8339 0.6217	0.7454	0.6904	Ave		0.7027				10.8		30.0			
1,3-Butadiene	+++++ 0.6072	0.6306 0.6108	0.6745 0.5625	0.6613	0.6137	Ave		0.6229				6.0		30.0			
Bromomethane	+++++ 0.7956	0.9592 0.7991	0.9398 0.7409	0.8753	0.8395	Ave		0.8499				9.4		30.0			
Vinyl chloride	+++++ 0.8221	0.8488 0.8211	0.9523 0.7636	0.9060	0.8523	Ave		0.8523				7.2		30.0			
Chloroethane	+++++ 0.4362	+++++ 0.4333	0.5127 0.3986	0.4719	0.4595	Ave		0.4520				8.6		30.0			
Vinyl bromide	+++++ 0.8226	0.8089 0.8315	0.8555 0.7978	0.8644	0.8477	Ave		0.8326				3.0		30.0			
Trichlorofluoromethane	+++++ 3.0338	3.4993 3.0472	3.4843 2.8333	3.3831	3.1950	Ave		3.2108				7.9		30.0			
Isopropanol	+++++ 0.8648	+++++ 0.8997	+++++ 0.7717	0.9274	0.9429	Ave		0.8813				7.7		30.0			
tert-Butyl alcohol	+++++ 1.3948	+++++ 1.4636	+++++ 1.2933	1.5018	1.5143	Ave		1.4336				6.4		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.8571	2.0415 1.8730	2.0123 1.7894	1.9589	1.9036	Ave		1.9194				4.7		30.0			
1,1-Dichloroethene	+++++ 0.8261	0.9625 0.8362	0.8930 0.8039	0.8684	0.8463	Ave		0.8623				6.1		30.0			
Acetone	+++++ 1.3280	+++++ 1.2777	+++++ 1.1359	1.7437	1.4077	Ave		1.3786				16.5		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 2.3591	+++++ 2.4028	2.4689 2.3156	2.4255	2.4205	Ave		2.3987				2.3		30.0			
Allyl chloride	+++++ 1.2361	1.4045 1.2553	1.2400 1.1656	1.3240	1.1855	Ave		1.2587				6.5		30.0			
Methylene Chloride	+++++ 0.8969	+++++ 0.9190	1.1834 0.8580	1.0011	0.9445	Ave		0.9672				12.0		30.0			
Methyl tert-butyl ether	+++++ 2.9077	3.2192 2.8286	3.1594 2.6378	3.1192	3.0483	Ave		2.9886				6.9		30.0			
1,2-Dichloroethene, trans-	+++++ 1.4217	1.4874 1.4519	1.4801 1.3841	1.5411	1.4975	Ave		1.4663				3.5		30.0			
n-Hexane	+++++ 1.4687	1.6410 1.5022	1.5167 1.4240	1.5610	1.5254	Ave		1.5198				4.5		30.0			
1,1-Dichloroethane	+++++ 1.7654	1.9087 1.7745	1.9208 1.6968	1.8860	1.8471	Ave		1.8285				4.6		30.0			
Methyl Ethyl Ketone	+++++ 0.4178	+++++ 0.3996	0.4113 0.3683	0.4151	0.4284	Ave		0.4067				5.2		30.0			
1,2-Dichloroethene, cis-	+++++ 0.9865	1.2280 1.0165	1.1168 0.9830	1.0150	1.0195	Ave		1.0522				8.5		30.0			
Tetrahydrofuran	+++++ 0.1747	+++++ 0.1720	+++++ 0.1560	0.1855	0.1768	Ave		0.1730				6.2		30.0			
Chloroform	+++++ 2.3101	2.5903 2.3379	2.4867 2.2174	2.5229	2.4235	Ave		2.4127				5.4		30.0			
1,4-Dioxane	+++++ 0.0694	+++++ 0.0744	+++++ 0.0638	0.0757	0.0733	Ave		0.0713				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5313	0.5658 0.5409	0.5652 0.5184	0.5772	0.5312	Ave		0.5472				4.1		30.0			
Cyclohexane	+++++ 0.2729	0.2562 0.2824	0.2608 0.2792	0.2783	0.2665	Ave		0.2709				3.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.9187	0.9364 0.9502	0.8947 0.9153	0.9449	0.9009	Ave		0.9230				2.3		30.0			
Benzene	+++++ 0.5603	0.6009 0.5872	0.5644 0.5750	0.5712	0.5508	Ave		0.5728				3.0		30.0			
1,2-Dichloroethane	+++++ 0.3219	0.3600 0.3294	0.3419 0.3103	0.3575	0.3282	Ave		0.3356				5.5		30.0			
n-Heptane	+++++ 0.3473	0.3733 0.3565	0.3463 0.3365	0.3732	0.3448	Ave		0.3540				4.1		30.0			
1,2-Dichloropropane	+++++ 0.1892	0.2072 0.1927	0.1877 0.1831	0.1983	0.1900	Ave		0.1926				4.1		30.0			
Methyl methacrylate	+++++ 0.1899	+++++ 0.1935	0.1582 0.1850	0.1919	0.1899	Ave		0.1847				7.2		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	+++++ 0.5524	0.5796 0.5688	0.5476 0.5508	0.6028	0.5582	Ave		0.5657				3.5		30.0			
Bromodichloromethane	+++++ 0.4908	0.4542 0.5048	0.4768 0.4773	0.5236	0.4952	Ave		0.4890				4.6		30.0			
1,3-Dichloropropene, cis-	+++++ 0.3371	0.3317 0.3447	0.3354 0.3312	0.3439	0.3350	Ave		0.3370				1.6		30.0			
Methyl isobutyl ketone	+++++ 0.3749	+++++ 0.3767	0.3436 0.3453	0.3895	0.3852	Ave		0.3692				5.4		30.0			
Toluene	+++++ 0.4391	0.4679 0.4573	0.4341 0.4480	0.4392	0.4532	Ave		0.4484				2.7		30.0			
Trichloroethene	+++++ 0.2823	0.2864 0.2943	0.2824 0.2868	0.2880	0.2779	Ave		0.2854				1.8		30.0			
1,3-Dichloropropene, trans-	+++++ 0.3696	0.3628 0.3746	0.3485 0.3623	0.3761	0.3655	Ave		0.3656				2.5		30.0			
1,1,2-Trichloroethane	+++++ 0.1978	0.2102 0.2042	0.2000 0.1957	0.2024	0.2018	Ave		0.2017				2.3		30.0			
Tetrachloroethene	+++++ 0.4759	0.4792 0.5022	0.4752 0.4933	0.4839	0.4881	Ave		0.4854				2.0		30.0			
Dibromochloromethane	+++++ 0.5122	0.4560 0.5348	0.4514 0.5233	0.5194	0.5299	Ave		0.5039				7.0		30.0			
1,2-Dibromoethane	+++++ 0.4015	0.3841 0.4181	0.3910 0.4088	0.4051	0.4129	Ave		0.4031				3.0		30.0			
Chlorobenzene	+++++ 0.6269	0.6443 0.6607	0.6102 0.6493	0.6358	0.6463	Ave		0.6391				2.6		30.0			
Ethylbenzene	+++++ 1.0661	1.0305 1.0978	0.9890 1.0933	1.0519	1.0811	Ave		1.0585				3.7		30.0			
m-Xylene & p-Xylene	+++++ 0.4083	0.3768 0.4261	0.3614 0.4304	0.3945	0.4140	Ave		0.4016				6.4		30.0			
o-Xylene	+++++ 0.3930	0.3920 0.4032	0.3587 0.3984	0.3900	0.3972	Ave		0.3903				3.8		30.0			
Styrene	+++++ 0.6245	0.5019 0.6560	0.4804 0.6682	0.5808	0.6221	Ave		0.5906				12.5		30.0			
Bromoform	+++++ 0.5537	0.4341 0.5762	0.4394 0.5777	0.5447	0.5625	Ave		0.5269				11.9		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5090	0.5004 0.5260	0.4744 0.5208	0.5267	0.5270	Ave		0.5120				3.8		30.0			
4-Ethyltoluene	+++++ 1.2540	1.0767 1.3028	0.9683 1.3326	1.2239	1.2853	Ave		1.2062				11.1		30.0			
2-Chlorotoluene	+++++ 1.0696	1.0897 1.1039	0.9955 1.1072	1.0792	1.0886	Ave		1.0762				3.5		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	+++++ 1.1096	0.9498 1.1437	0.8856 1.1555	1.0727	1.1256	Ave		1.0632				9.8		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0714	0.9564 1.1081	0.8724 1.1181	1.0412	1.0929	Ave		1.0372				8.8		30.0			
1,3-Dichlorobenzene	+++++ 0.7184	0.6929 0.7497	0.5964 0.7820	0.6883	0.7260	Ave		0.7077				8.3		30.0			
1,4-Dichlorobenzene	+++++ 0.7034	0.6450 0.7373	0.5786 0.7678	0.6635	0.7034	Ave		0.6856				9.2		30.0			
1,2-Dichlorobenzene	+++++ 0.6727	0.6558 0.7022	0.5574 0.7215	0.6484	0.6819	Ave		0.6629				8.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3485	+++++ 0.3577	0.2392 0.3989	0.2321	0.3372	Ave		0.3189				21.3		30.0			
Hexachlorobutadiene	+++++ 0.4030	0.4281 0.4212	0.4091 0.4449	0.3850	0.4071	Ave		0.4140				4.7		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-36189/3	ckr003.d
Level 2	IC 200-36189/4	ckr004.d
Level 3	IC 200-36189/5	ckr005.d
Level 4	IC 200-36189/6	ckr006.d
Level 5	ICIS 200-36189/7	ckr007.d
Level 6	IC 200-36189/8	ckr008.d
Level 7	IC 200-36189/9	ckr009.d
Level 8	IC 200-36189/10	ckr010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	+++++ 1483394	+++++ 2077012	49697 4225395	485480	983944	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1383071	18760 1959151	43157 4001824	437589	913507	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 356109	+++++ 506435	12248 1042907	113314	234812	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 326865	3826 466561	9907 943697	100522	208728	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 428325	5820 610406	13804 1243029	133048	285524	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	+++++ 442565	5150 627214	13987 1281034	137728	289859	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 234837	+++++ 330940	7530 668695	71728	156276	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl bromide	BCM	Ave	+++++ 442812	4908 635155	12565 1338340	131398	288289	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1633211	21232 2327568	51177 4753139	514260	1086616	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Isopropanol	BCM	Ave	+++++ 465553	+++++ 687182	+++++ 1294624	140979	320683	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 750849	+++++ 1117964	+++++ 2169641	228295	515024	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	+++++ 999753	12387 1430621	29556 3001979	297770	647420	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 444738	5840 638685	13116 1348637	132012	287828	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 714913	+++++ 975925	+++++ 1905557	265061	478753	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1269988	+++++ 1835284	36263 3884702	368699	823232	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Allyl chloride	BCM	Ave	+++++ 665459	8522 958818	18213 1955510	201262	403207	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 482827	+++++ 701969	17382 1439432	152170	321229	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1565320	19533 2160529	46406 4425170	474151	1036741	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethene, trans-	BCM	Ave	+++++ 765346	9025 1108982	21740 2322001	234260	509287	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 790638	9957 1147401	22277 2388842	237294	518788	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	+++++ 950378	11581 1355446	28212 2846594	286692	628211	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 224893	+++++ 305210	6041 617841	63100	145713	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethene, cis-	BCM	Ave	+++++ 531076	7451 776446	16403 1649052	154285	346736	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 496954	+++++ 684195	+++++ 1352612	151576	331903	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Chloroform	BCM	Ave	+++++ 1243580	15717 1785760	36525 3719899	383502	824239	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 197487	+++++ 295911	+++++ 553373	61880	137528	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1511411	18710 2151585	45968 4493800	471661	997180	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 776286	8472 1123195	21210 2420330	227421	500289	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2613448	30964 3779396	72764 7935101	772111	1691186	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 1593725	19869 2335429	45906 4984753	466734	1033886	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 915709	11903 1310184	27808 2689609	292126	616135	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 987927	12345 1417841	28167 2916938	304904	647173	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 538138	6851 766313	15264 1587328	162030	356646	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 540191	+++++ 769535	12865 1604125	156775	356424	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	+++++ 1571456	19165 2262523	44536 4774643	492510	1047880	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1396099	15019 2007917	38774 4138099	427796	929664	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichloropropene, cis-	DFB	Ave	+++++ 958930	10967 1371089	27277 2871202	281009	628908	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1066489	+++++ 1498490	27941 2993653	318228	723124	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1211369	14437 1726297	32835 3703506	349793	793769	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	+++++ 802921	9470 1170729	22966 2486639	235298	521748	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichloropropene, trans-	DFB	Ave	+++++ 1051399	11997 1489821	28346 3140962	307337	686123	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 545708	6484 771030	15126 1617577	161220	353411	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 1312837	14784 1896027	35940 4077690	385412	854823	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1412972	14068 2018951	34143 4325474	413697	928103	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1107677	11851 1578485	29570 3379492	322656	723181	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1729353	19879 2494305	46153 5367640	506357	1131931	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 2941094	31792 4144666	74800 9037299	837822	1893563	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2252450	23250 3217142	54663 7114932	628446	1450108	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1084030	12093 1522180	27130 3293613	310599	695640	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 1722842	15486 2476485	36333 5523321	462613	1089639	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1527361	13394 2175478	33237 4775430	433846	985163	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1404118	15437 1985695	35883 4305142	419523	923119	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 3459221	33217 4918523	73239 11015771	974747	2251125	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 2950593	33620 4167613	75296 9152323	859565	1906628	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3060865	29303 4318043	66982 9551430	854349	1971544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2955641	29508 4183361	65988 9242381	829277	1914256	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1981912	21376 2830369	45111 6464290	548229	1271660	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

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

Lab Name: TestAmerica Burlington Job No.: 200-10127-1 Analy Batch No.: 36189

SDG No.: 200-10127-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14386

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1940443	19901 2783509	43766 6347008	528411	1232034	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1855722	20234 2650943	42159 5964361	516439	1194423	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 961345	+++++ 1350325	18089 3297306	184889	590657	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1111672	13207 1590042	30943 3677707	306660	712972	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr003.d
Lab Smp Id: IC 303351 Client Smp ID: IC 303351
Inj Date : 30-MAR-2012 16:32
Operator : pad Inst ID: C.i
Smp Info : IC 303351
Misc Info : 40,1, level 8
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:02 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 16:32 Cal File: ckr003.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	40.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

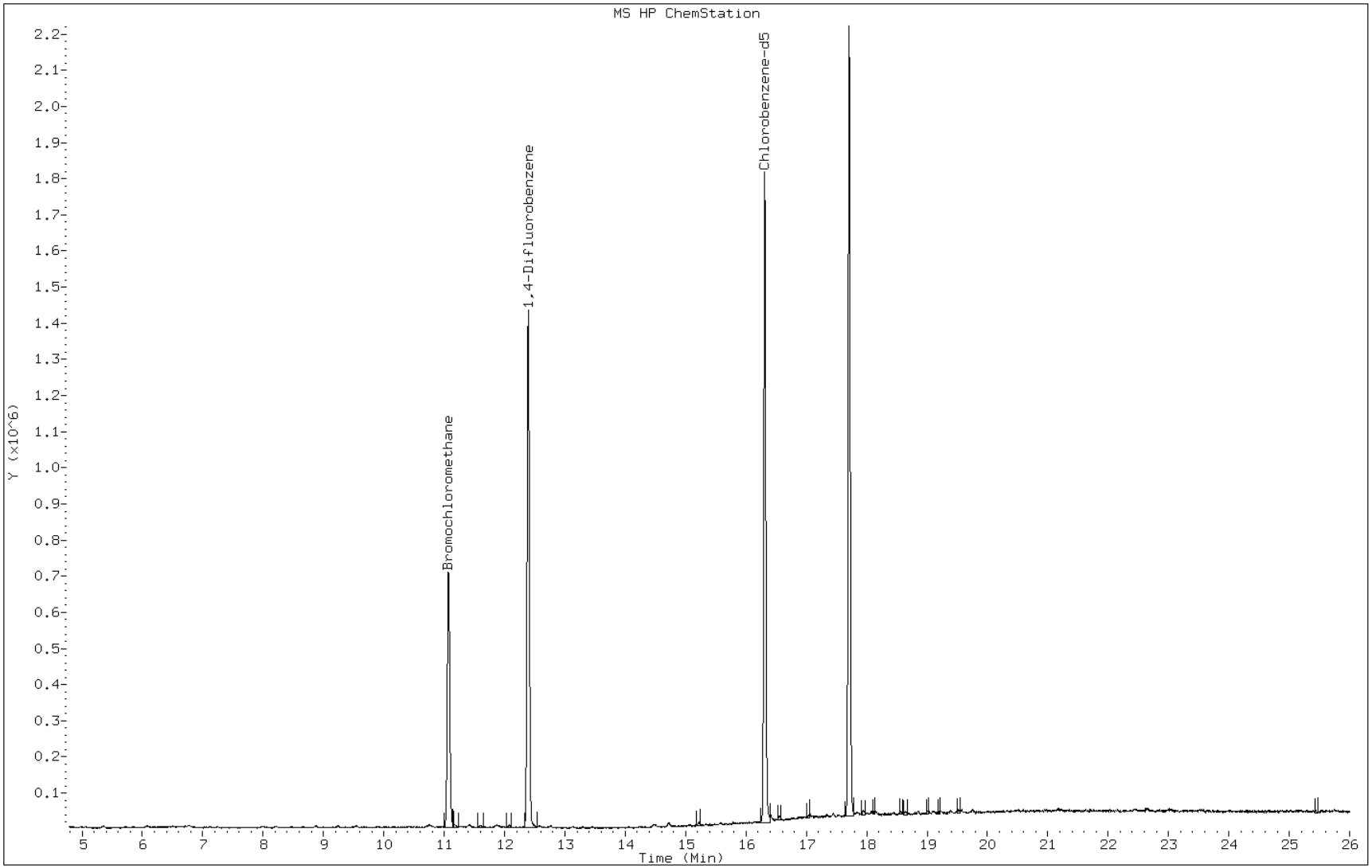
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					
23 Allyl chloride	41	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.072	11.072	(1.000)	302575	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1598612	10.0000	
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1353299	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)

Data File:	ckr003.d	Date:	30-MAR-2012 16:32
Client ID:	IC 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 303351		
Lab Sample ID:	IC 303351		



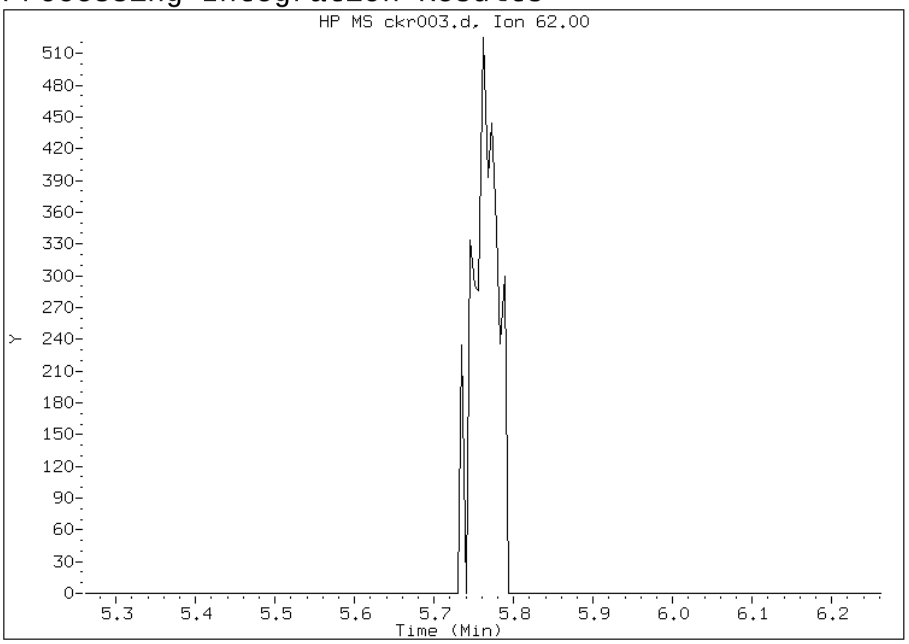
Manual Integration Report

Data File: ckr003.d
Lab Sample ID: IC 303351
Inj. Date and Time: 30-MAR-2012 16:32
Instrument ID: C.i
Client ID: IC 303351
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 04/04/2012

Processing Integration Results

Not Detected

Expected RT: 5.76



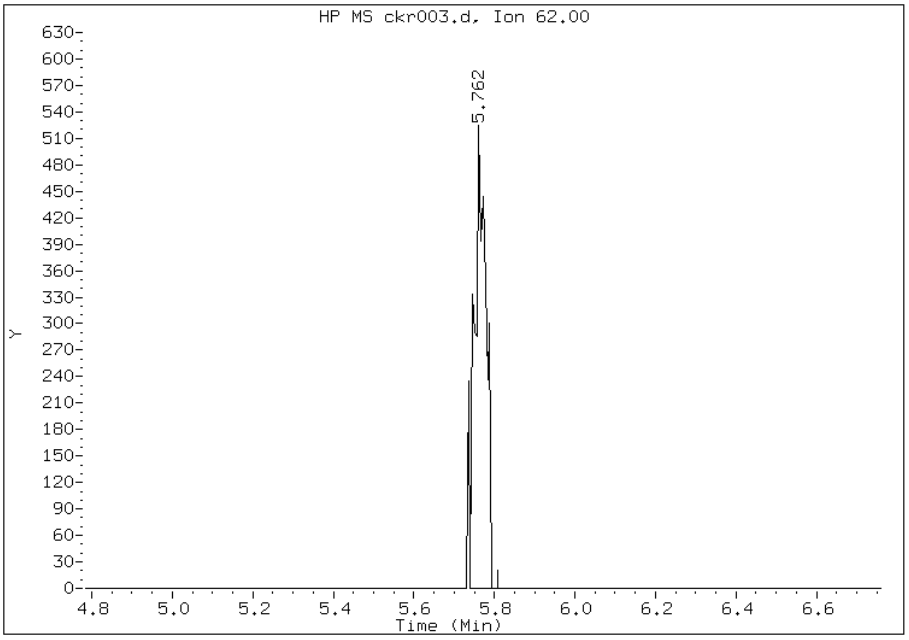
Manual Integration Results

RT: 5.76

Response: 1009

Amount: 0.000000

Conc: 0.000000



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr004.d
Lab Smp Id: IC 303351 Client Smp ID: IC 303351
Inj Date : 30-MAR-2012 17:22
Operator : pad Inst ID: C.i
Smp Info : IC 303351
Misc Info : 200,1, level 1
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 13:09 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 17:22 Cal File: ckr004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.052	5.057	(0.456)	21504	0.20000	0.24(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.484)	18760	0.20000	0.23(Q)
5 Chloromethane	50	5.511	5.511	(0.498)	6256	0.20000	0.29(a)
7 Vinyl chloride	62	5.756	5.762	(0.520)	5150	0.20000	0.20
8 1,3-Butadiene	54	5.831	5.831	(0.527)	3826	0.20000	0.20
9 Bromomethane	94	6.493	6.493	(0.587)	5820	0.20000	0.23(Q)
10 Chloroethane	64	6.690	6.690	(0.605)	2833	0.20000	0.21(a)
12 Vinyl bromide	106	7.037	7.043	(0.636)	4908	0.20000	0.19(a)
13 Trichlorofluoromethane	101	7.117	7.123	(0.643)	21232	0.20000	0.22(Q)
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	12387	0.20000	0.21
19 1,1-Dichloroethene	96	8.046	8.057	(0.727)	5840	0.20000	0.22(Q)
21 Carbon disulfide	76	8.462	8.462	(0.765)	15045	0.20000	0.21(a)
22 Isopropanol	45	Compound Not Detected.					
23 Allyl chloride	41	8.644	8.654	(0.781)	8522	0.20000	0.22(QM)

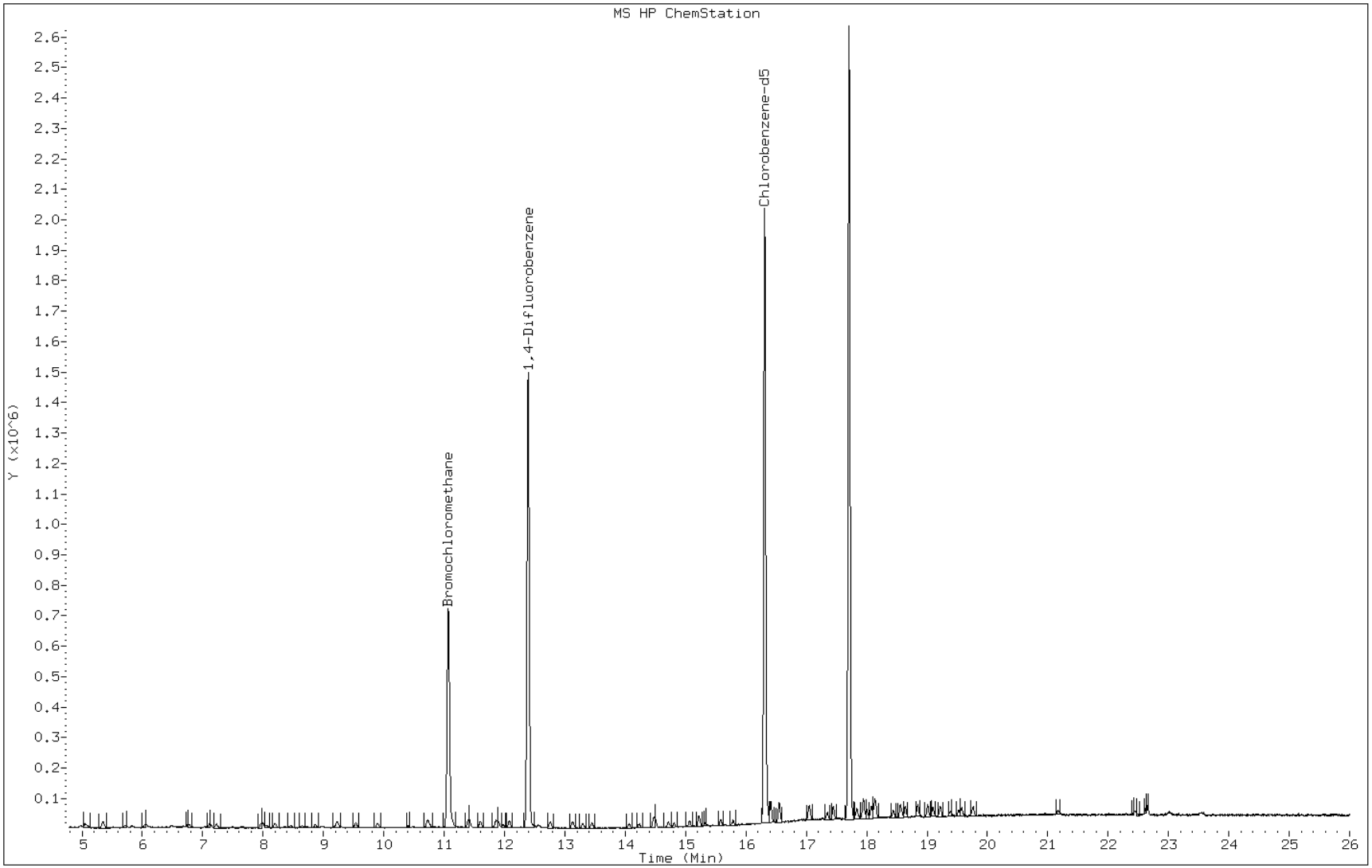
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
25	Methylene chloride	49	8.857	8.868	(0.800)	9264	0.20000	0.32(aQ)
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	9.220	9.188	(0.833)	19533	0.20000	0.22
28	1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	9025	0.20000	0.20
30	n-Hexane	57	9.535	9.535	(0.862)	9957	0.20000	0.22
31	1,1-Dichloroethane	63	9.898	9.903	(0.894)	11581	0.20000	0.21
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	7451	0.20000	0.23
36	Methyl Ethyl Ketone	72	10.736	10.714	(0.970)	3472	0.20000	0.28(aQ)
* 37	Bromochloromethane	128	11.067	11.072	(1.000)	303379	10.0000	
39	Chloroform	83	11.120	11.120	(1.005)	15717	0.20000	0.21
40	Cyclohexane	84	11.424	11.430	(0.922)	8472	0.20000	0.19(a)
41	1,1,1-Trichloroethane	97	11.397	11.403	(0.920)	18710	0.20000	0.21(Q)
42	Carbon tetrachloride	117	11.606	11.600	(0.937)	19165	0.20000	0.20(Q)
43	2,2,4-Trimethylpentane	57	11.856	11.862	(0.957)	30964	0.20000	0.20
44	Benzene	78	11.899	11.905	(0.960)	19869	0.20000	0.21
45	1,2-Dichloroethane	62	11.985	11.979	(0.967)	11903	0.20000	0.21
46	n-Heptane	43	12.081	12.081	(0.975)	12345	0.20000	0.21(Q)
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1653334	10.0000	
49	Trichloroethene	95	12.764	12.758	(1.030)	9470	0.20000	0.20
50	1,2-Dichloropropane	63	13.127	13.116	(1.059)	6851	0.20000	0.22
51	Methyl methacrylate	69	13.143	13.132	(1.061)	4893	0.20000	0.16(aQ)
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	13.452	13.452	(1.086)	15019	0.20000	0.19(a)
55	1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	10967	0.20000	0.20
56	Methyl isobutyl ketone	43	14.237	14.210	(1.149)	12190	0.20000	0.20(a)
58	Toluene	92	14.498	14.498	(0.889)	14437	0.20000	0.21
59	1,3-Dichloropropene (trans)	75	14.813	14.808	(1.196)	11997	0.20000	0.20
60	1,1,2-Trichloroethane	83	15.069	15.064	(0.924)	6484	0.20000	0.21
61	Tetrachloroethene	166	15.219	15.219	(0.933)	14784	0.20000	0.20
63	Dibromochloromethane	129	15.587	15.582	(0.956)	14068	0.20000	0.18(a)
64	1,2-Dibromoethane	107	15.784	15.784	(0.968)	11851	0.20000	0.19(a)
* 65	Chlorobenzene-d5	117	16.313	16.313	(1.000)	1542607	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	19879	0.20000	0.20(Q)
68	Ethylbenzene	91	16.409	16.409	(1.006)	31792	0.20000	0.19(a)
69	Xylene (m,p)	106	16.553	16.548	(1.015)	23250	0.40000	0.38(a)
71	Xylene (o)	106	17.039	17.044	(1.044)	12093	0.20000	0.20
72	Styrene	104	17.065	17.060	(1.046)	15486	0.20000	0.17(a)
73	Bromoform	173	17.348	17.348	(1.063)	13394	0.20000	0.16(a)
75	1,1,2,2-Tetrachloroethane	83	17.839	17.845	(1.094)	15437	0.20000	0.20
79	4-Ethyltoluene	105	18.074	18.074	(1.108)	33217	0.20000	0.18(a)
80	2-Chlorotoluene	91	18.133	18.127	(1.112)	33620	0.20000	0.20
81	1,3,5-Trimethylbenzene	105	18.138	18.143	(1.112)	29303	0.20000	0.18(a)
84	1,2,4-Trimethylbenzene	105	18.634	18.634	(1.142)	29508	0.20000	0.18(a)
87	1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	21376	0.20000	0.20
88	1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	19901	0.20000	0.19(a)
92	1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	20234	0.20000	0.20
94	1,2,4-Trichlorobenzene	180	22.434	22.440	(1.375)	9118	0.20000	0.19(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	13207	0.20000	0.21

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckr004.d	Date:	30-MAR-2012 17:22
Client ID:	IC 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 303351		
Lab Sample ID:	IC 303351		



Manual Integration Report

Data File: ckr004.d
Lab Sample ID: IC 303351
Inj. Date and Time: 30-MAR-2012 17:22
Instrument ID: C.i
Client ID: IC 303351
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

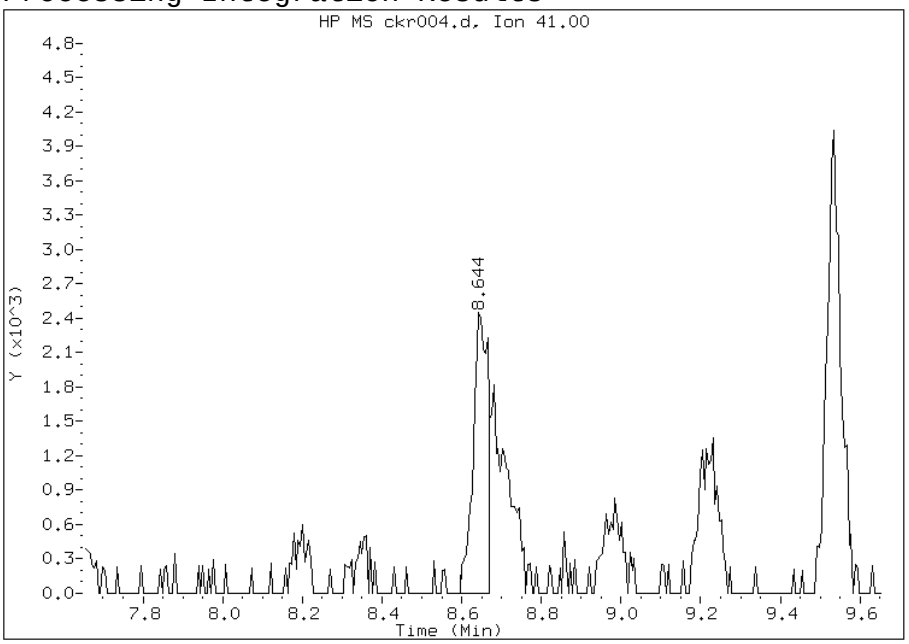
Processing Integration Results

RT: 8.64

Response: 6336

Amount: 0.170793

Conc: 0.170793



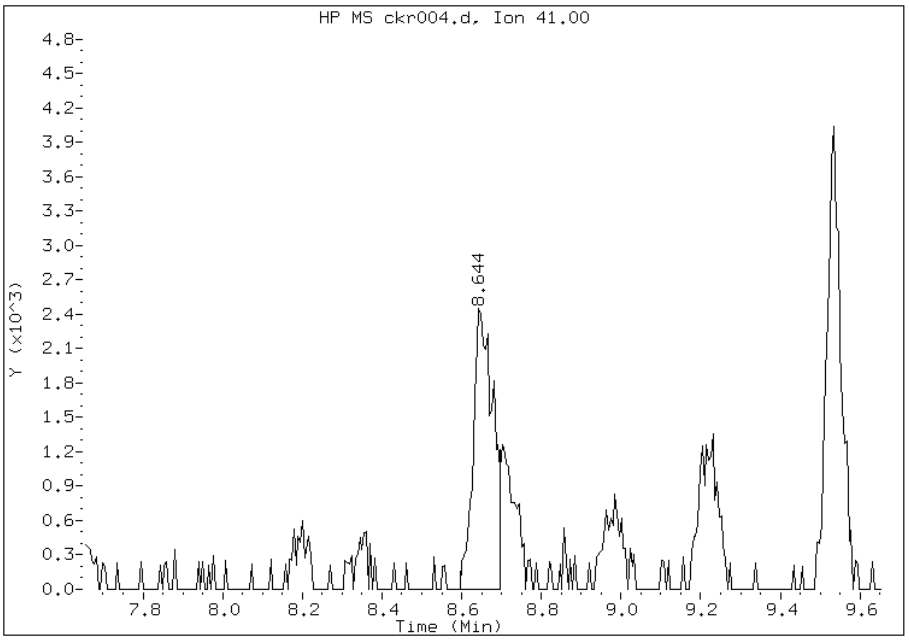
Manual Integration Results

RT: 8.64

Response: 8522

Amount: 0.223163

Conc: 0.223163



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr005.d
Lab Smp Id: IC 303354 Client Smp ID: IC 303354
Inj Date : 30-MAR-2012 18:12
Operator : pad Inst ID: C.i
Smp Info : IC 303354
Misc Info : 200,1, level 2
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 13:10 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 18:12 Cal File: ckr005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

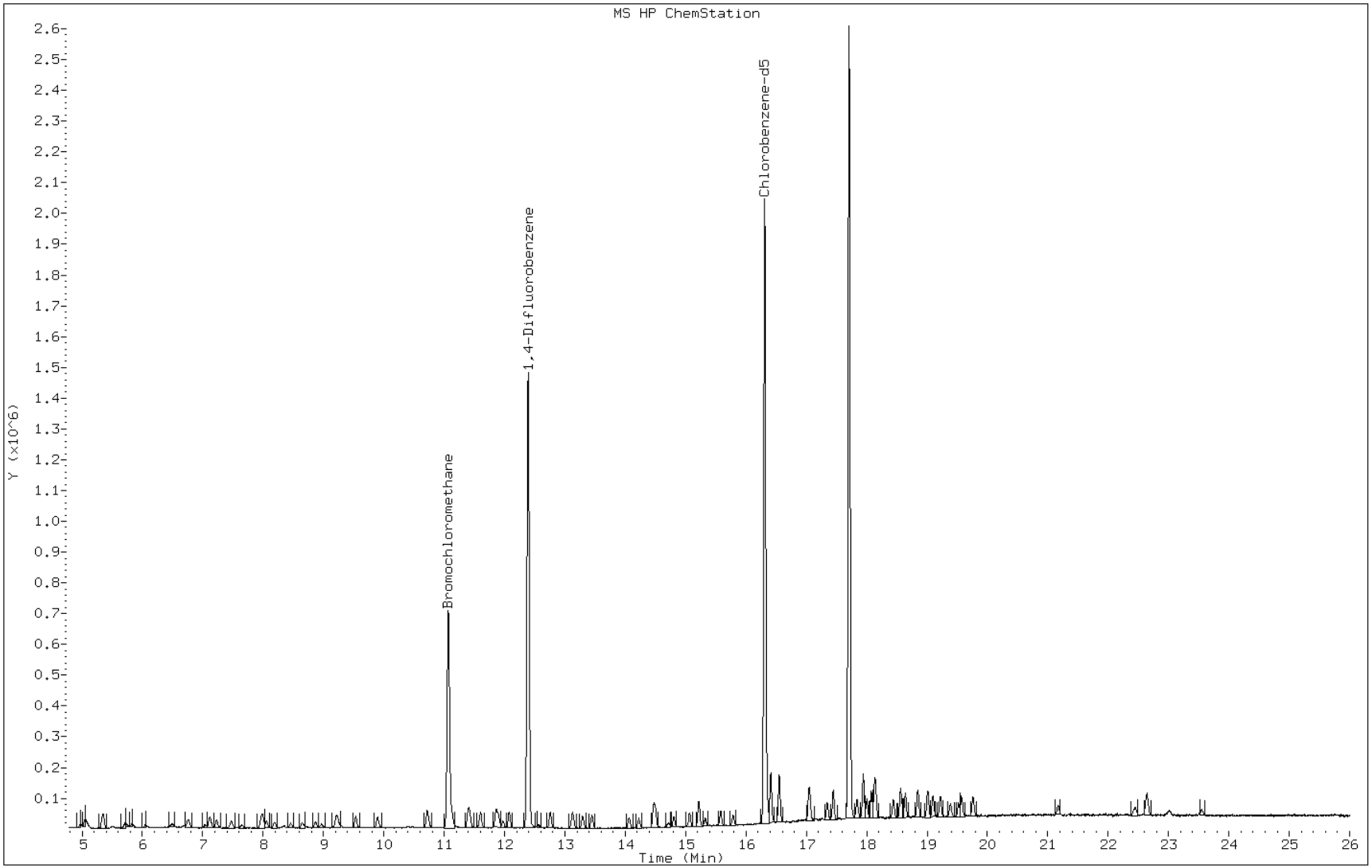
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	49697	0.50000	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.345	(0.482)	43157	0.50000	0.54
5 Chloromethane	50	5.500	5.511	(0.497)	12248	0.50000	0.59
7 Vinyl chloride	62	5.762	5.762	(0.520)	13987	0.50000	0.56
8 1,3-Butadiene	54	5.831	5.831	(0.527)	9907	0.50000	0.54
9 Bromomethane	94	6.493	6.493	(0.586)	13804	0.50000	0.55(Q)
10 Chloroethane	64	6.690	6.690	(0.604)	7530	0.50000	0.57(Q)
12 Vinyl bromide	106	7.048	7.043	(0.637)	12565	0.50000	0.51
13 Trichlorofluoromethane	101	7.117	7.123	(0.643)	51177	0.50000	0.54
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.721)	29556	0.50000	0.52
19 1,1-Dichloroethene	96	8.056	8.057	(0.728)	13116	0.50000	0.52
21 Carbon disulfide	76	8.457	8.462	(0.764)	36263	0.50000	0.51
23 Allyl chloride	41	8.649	8.654	(0.781)	18213	0.50000	0.49(M)
25 Methylene chloride	49	8.873	8.868	(0.801)	17382	0.50000	0.61

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	27 Methyl tert-butyl ether	73	9.209	9.188	(0.832)	46406	0.50000	0.53
	28 1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	21740	0.50000	0.50
	30 n-Hexane	57	9.535	9.535	(0.861)	22277	0.50000	0.50
	31 1,1-Dichloroethane	63	9.908	9.903	(0.895)	28212	0.50000	0.53
	34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	16403	0.50000	0.53
	36 Methyl Ethyl Ketone	72	10.730	10.714	(0.969)	6041	0.50000	0.51(Q)
*	37 Bromochloromethane	128	11.072	11.072	(1.000)	293760	10.0000	
	39 Chloroform	83	11.120	11.120	(1.004)	36525	0.50000	0.52
	40 Cyclohexane	84	11.419	11.430	(0.922)	21210	0.50000	0.48
	41 1,1,1-Trichloroethane	97	11.397	11.403	(0.920)	45968	0.50000	0.52
	42 Carbon tetrachloride	117	11.600	11.600	(0.936)	44536	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	11.856	11.862	(0.957)	72764	0.50000	0.48
	44 Benzene	78	11.899	11.905	(0.960)	45906	0.50000	0.49
	45 1,2-Dichloroethane	62	11.974	11.979	(0.966)	27808	0.50000	0.51
	46 n-Heptane	43	12.086	12.081	(0.975)	28167	0.50000	0.49
*	47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1626587	10.0000	
	49 Trichloroethene	95	12.758	12.758	(1.030)	22966	0.50000	0.49
	50 1,2-Dichloropropane	63	13.116	13.116	(1.059)	15264	0.50000	0.49
	51 Methyl methacrylate	69	13.137	13.132	(1.060)	12865	0.50000	0.43(aQ)
	54 Bromodichloromethane	83	13.452	13.452	(1.086)	38774	0.50000	0.49
	55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	27277	0.50000	0.50
	56 Methyl isobutyl ketone	43	14.226	14.210	(1.148)	27941	0.50000	0.47(a)
	58 Toluene	92	14.498	14.498	(0.889)	32835	0.50000	0.48
	59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	28346	0.50000	0.48
	60 1,1,2-Trichloroethane	83	15.058	15.064	(0.923)	15126	0.50000	0.50
	61 Tetrachloroethene	166	15.219	15.219	(0.933)	35940	0.50000	0.49
	63 Dibromochloromethane	129	15.581	15.582	(0.955)	34143	0.50000	0.45
	64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	29570	0.50000	0.48
*	65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1512709	10.0000	
	66 Chlorobenzene	112	16.355	16.350	(1.003)	46153	0.50000	0.48(Q)
	68 Ethylbenzene	91	16.409	16.409	(1.006)	74800	0.50000	0.47
	69 Xylene (m,p)	106	16.547	16.548	(1.014)	54663	1.00000	0.90
	71 Xylene (o)	106	17.038	17.044	(1.044)	27130	0.50000	0.46
	72 Styrene	104	17.065	17.060	(1.046)	36333	0.50000	0.41
	73 Bromoform	173	17.348	17.348	(1.063)	33237	0.50000	0.42
	75 1,1,2,2-Tetrachloroethane	83	17.839	17.845	(1.094)	35883	0.50000	0.46
	79 4-Ethyltoluene	105	18.074	18.074	(1.108)	73239	0.50000	0.40
	80 2-Chlorotoluene	91	18.127	18.127	(1.111)	75296	0.50000	0.46
	81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	66982	0.50000	0.42
	84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	65988	0.50000	0.42
	87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	45111	0.50000	0.42
	88 1,4-Dichlorobenzene	146	19.216	19.221	(1.178)	43766	0.50000	0.42
	92 1,2-Dichlorobenzene	146	19.771	19.760	(1.212)	42159	0.50000	0.42
	94 1,2,4-Trichlorobenzene	180	22.450	22.440	(1.376)	18089	0.50000	0.37(a)
	95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	30943	0.50000	0.49

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckr005.d	Date:	30-MAR-2012 18:12
Client ID:	IC 303354	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 303354		
Lab Sample ID:	IC 303354		



Manual Integration Report

Data File: ckr005.d
Lab Sample ID: IC 303354
Inj. Date and Time: 30-MAR-2012 18:12
Instrument ID: C.i
Client ID: IC 303354
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

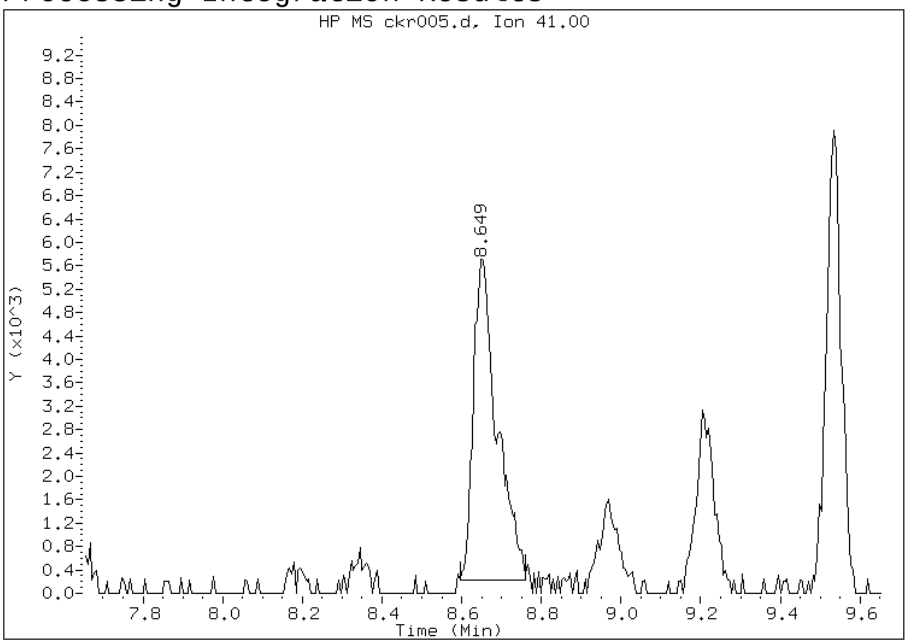
Processing Integration Results

RT: 8.65

Response: 22556

Amount: 0.582623

Conc: 0.582623



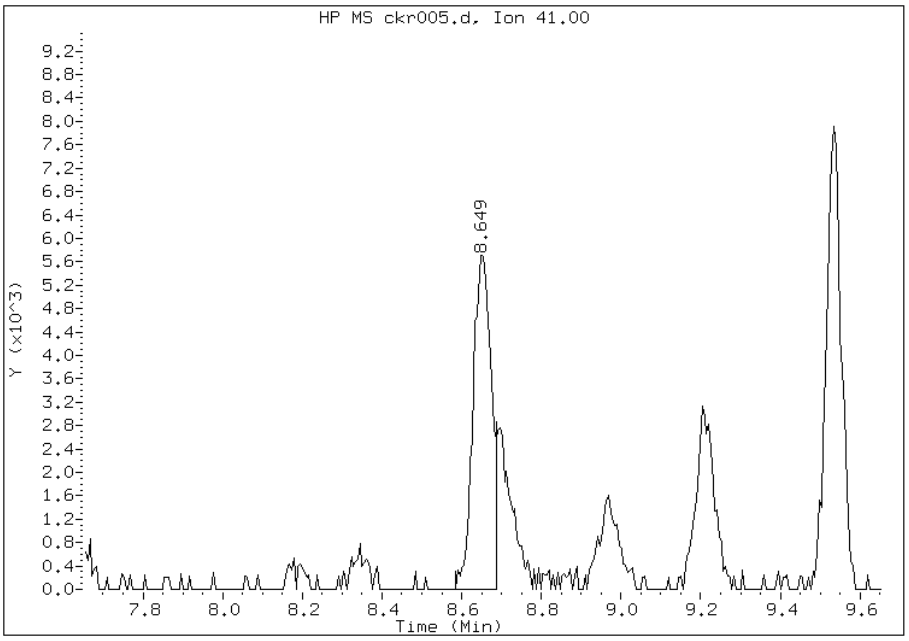
Manual Integration Results

RT: 8.65

Response: 18213

Amount: 0.492555

Conc: 0.492555



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr006.d
Lab Smp Id: IC 302595 Client Smp ID: IC 302595
Inj Date : 30-MAR-2012 19:02
Operator : pad Inst ID: C.i
Smp Info : IC 302595
Misc Info : 200,1, level 3
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 13:10 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 19:02 Cal File: ckr006.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	485480	5.00000	5.5
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.483)	437589	5.00000	5.3
5 Chloromethane	50	5.516	5.511	(0.498)	113314	5.00000	5.3
7 Vinyl chloride	62	5.767	5.762	(0.521)	137728	5.00000	5.3
8 1,3-Butadiene	54	5.842	5.831	(0.528)	100522	5.00000	5.3
9 Bromomethane	94	6.503	6.493	(0.587)	133048	5.00000	5.1
10 Chloroethane	64	6.696	6.690	(0.605)	71728	5.00000	5.2
12 Vinyl bromide	106	7.042	7.043	(0.636)	131398	5.00000	5.2
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	514260	5.00000	5.3
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.987	(0.721)	297770	5.00000	5.1
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	132012	5.00000	5.0
20 Acetone	43	8.179	8.169	(0.739)	265061	5.00000	6.3
21 Carbon disulfide	76	8.467	8.462	(0.765)	368699	5.00000	5.1
22 Isopropanol	45	8.323	8.313	(0.752)	140979	5.00000	5.3

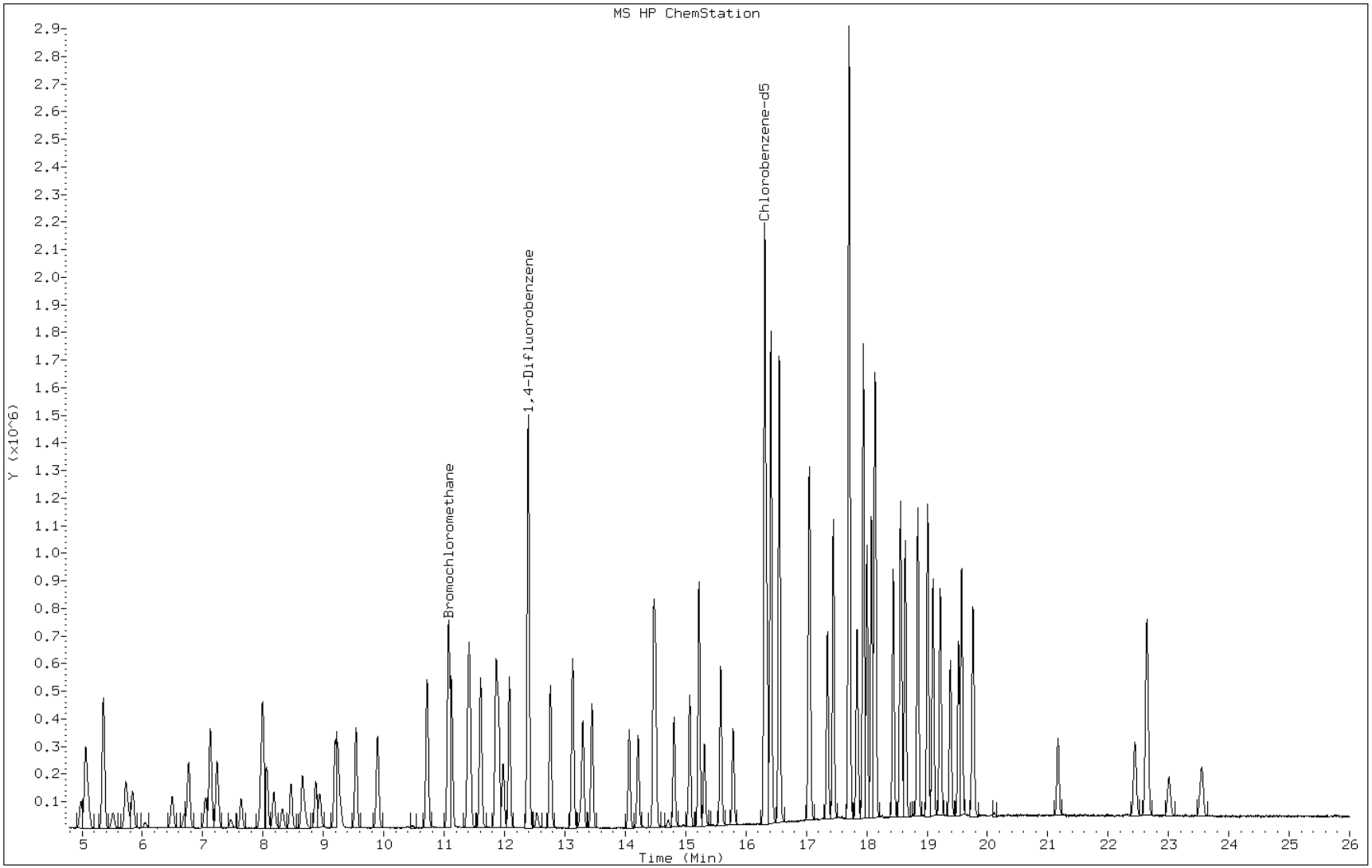
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.654	8.654	(0.782)	201262	5.00000	5.3(M)
25	Methylene chloride	49	8.868	8.868	(0.801)	152170	5.00000	5.2
26	Tert-butyl alcohol	59	8.937	8.927	(0.807)	228295	5.00000	5.2
27	Methyl tert-butyl ether	73	9.193	9.188	(0.830)	474151	5.00000	5.2
28	1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	234260	5.00000	5.3
30	n-Hexane	57	9.535	9.535	(0.861)	237294	5.00000	5.1
31	1,1-Dichloroethane	63	9.903	9.903	(0.894)	286692	5.00000	5.2
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	154285	5.00000	4.8
36	Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	63100	5.00000	5.1
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	304019	10.0000	
38	Tetrahydrofuran	42	11.114	11.104	(0.897)	151576	5.00000	5.4
39	Chloroform	83	11.125	11.120	(1.005)	383502	5.00000	5.2
40	Cyclohexane	84	11.435	11.430	(0.923)	227421	5.00000	5.1
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	471661	5.00000	5.3
42	Carbon tetrachloride	117	11.600	11.600	(0.936)	492510	5.00000	5.3
43	2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	772111	5.00000	5.1
44	Benzene	78	11.904	11.905	(0.961)	466734	5.00000	5.0
45	1,2-Dichloroethane	62	11.979	11.979	(0.967)	292126	5.00000	5.3
46	n-Heptane	43	12.080	12.081	(0.975)	304904	5.00000	5.3
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1634187	10.0000	
49	Trichloroethene	95	12.764	12.758	(1.030)	235298	5.00000	5.0
50	1,2-Dichloropropane	63	13.121	13.116	(1.059)	162030	5.00000	5.1
51	Methyl methacrylate	69	13.137	13.132	(1.060)	156775	5.00000	5.2
53	1,4-Dioxane	88	13.260	13.244	(1.070)	61880	5.00000	5.3
54	Bromodichloromethane	83	13.452	13.452	(1.086)	427796	5.00000	5.4
55	1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	281009	5.00000	5.1
56	Methyl isobutyl ketone	43	14.210	14.210	(1.147)	318228	5.00000	5.3
58	Toluene	92	14.498	14.498	(0.889)	349793	5.00000	4.9
59	1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	307337	5.00000	5.1
60	1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	161220	5.00000	5.0
61	Tetrachloroethene	166	15.224	15.219	(0.933)	385412	5.00000	5.0
63	Dibromochloromethane	129	15.581	15.582	(0.955)	413697	5.00000	5.2
64	1,2-Dibromoethane	107	15.784	15.784	(0.968)	322656	5.00000	5.0
* 65	Chlorobenzene-d5	117	16.313	16.313	(1.000)	1592895	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	506357	5.00000	5.0
68	Ethylbenzene	91	16.414	16.409	(1.006)	837822	5.00000	5.0
69	Xylene (m,p)	106	16.547	16.548	(1.014)	628446	10.0000	9.8
71	Xylene (o)	106	17.044	17.044	(1.045)	310599	5.00000	5.0
72	Styrene	104	17.060	17.060	(1.046)	462613	5.00000	4.9
73	Bromoform	173	17.348	17.348	(1.063)	433846	5.00000	5.2
75	1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	419523	5.00000	5.1
79	4-Ethyltoluene	105	18.074	18.074	(1.108)	974747	5.00000	5.1
80	2-Chlorotoluene	91	18.127	18.127	(1.111)	859565	5.00000	5.0
81	1,3,5-Trimethylbenzene	105	18.148	18.143	(1.113)	854349	5.00000	5.0
84	1,2,4-Trimethylbenzene	105	18.639	18.634	(1.143)	829277	5.00000	5.0
87	1,3-Dichlorobenzene	146	19.098	19.099	(1.171)	548229	5.00000	4.9
88	1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	528411	5.00000	4.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	516439	5.00000	4.9
94 1,2,4-Trichlorobenzene	180	22.439	22.440	(1.376)	184889	5.00000	3.6
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	306660	5.00000	4.6

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckr006.d	Date:	30-MAR-2012 19:02
Client ID:	IC 302595	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 302595		
Lab Sample ID:	IC 302595		



Manual Integration Report

Data File: ckr006.d
Lab Sample ID: IC 302595
Inj. Date and Time: 30-MAR-2012 19:02
Instrument ID: C.i
Client ID: IC 302595
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

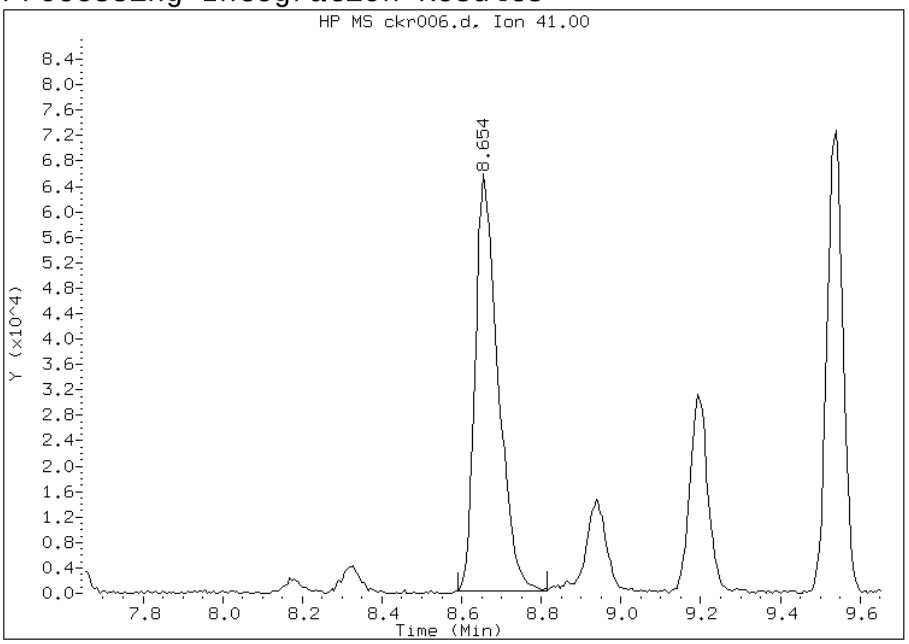
Processing Integration Results

RT: 8.65

Response: 261890

Amount: 6.48

Conc: 6.48



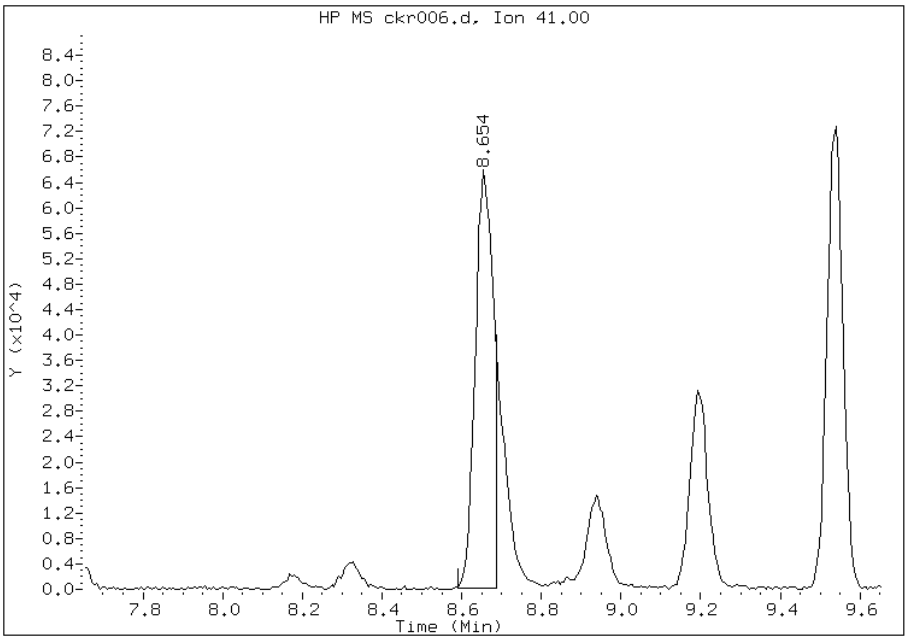
Manual Integration Results

RT: 8.65

Response: 201262

Amount: 5.26

Conc: 5.26



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr007.d
Lab Smp Id: ICIS 302576 Client Smp ID: ICIS 302576
Inj Date : 30-MAR-2012 19:52
Operator : pad Inst ID: C.i
Smp Info : ICIS 302576
Misc Info : 200,1, level 4
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:03 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 19:52 Cal File: ckr007.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	983944	10.0000	9.2
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.345	(0.483)	913507	10.0000	9.3
5 Chloromethane	50	5.511	5.511	(0.498)	234812	10.0000	9.1
7 Vinyl chloride	62	5.762	5.762	(0.520)	289859	10.0000	9.6
8 1,3-Butadiene	54	5.831	5.831	(0.527)	208728	10.0000	9.5
9 Bromomethane	94	6.493	6.493	(0.586)	285524	10.0000	9.3
10 Chloroethane	64	6.690	6.690	(0.604)	156276	10.0000	9.5
12 Vinyl bromide	106	7.043	7.043	(0.636)	288289	10.0000	10
13 Trichlorofluoromethane	101	7.123	7.123	(0.643)	1086616	10.0000	9.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.721)	647420	10.0000	9.6
19 1,1-Dichloroethene	96	8.057	8.057	(0.728)	287828	10.0000	9.5
20 Acetone	43	8.169	8.169	(0.738)	478753	10.0000	8.9
21 Carbon disulfide	76	8.462	8.462	(0.764)	823232	10.0000	9.9
22 Isopropanol	45	8.313	8.313	(0.751)	320683	10.0000	10

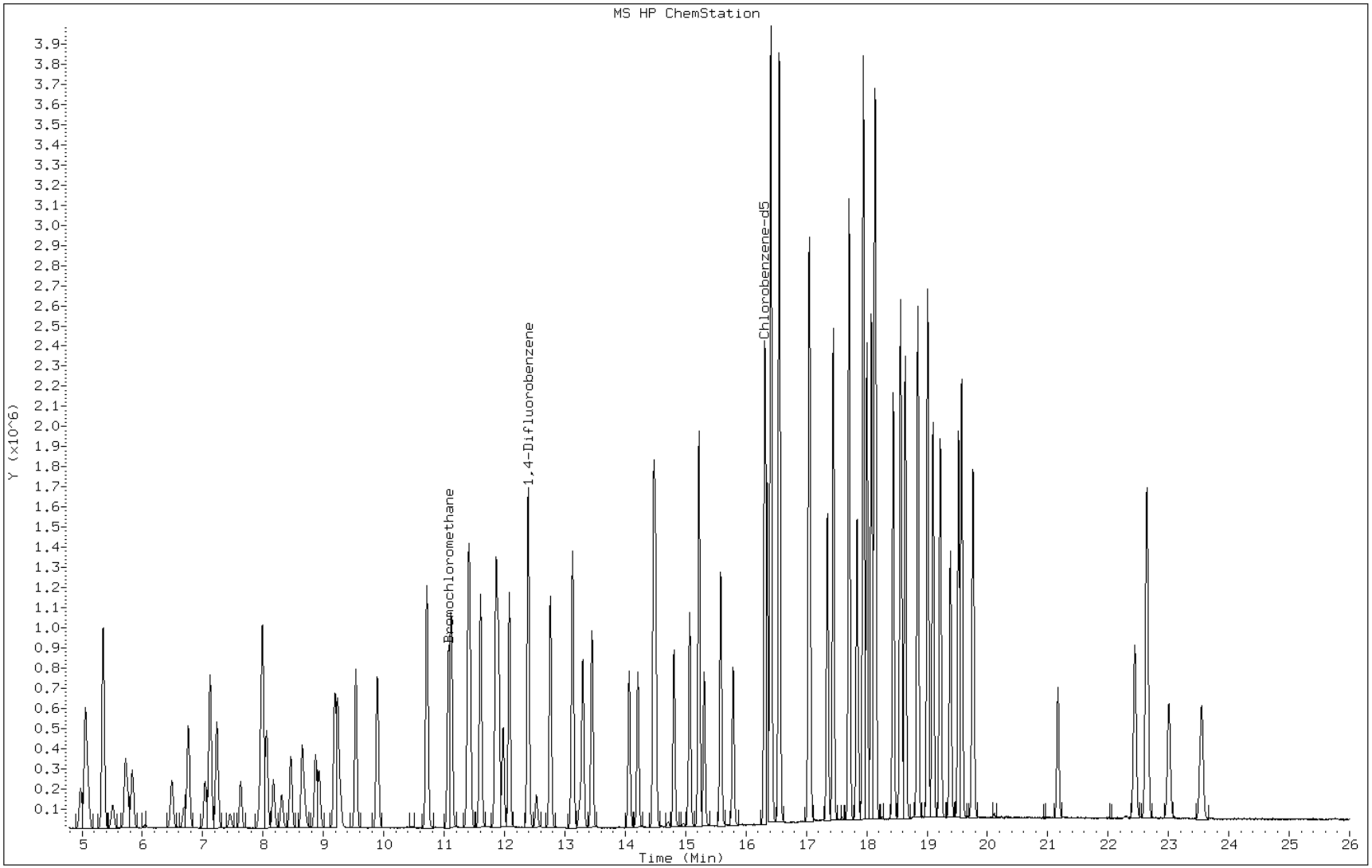
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.654	8.654	(0.782)	403207	10.0000	9.2(M)
25	Methylene chloride	49	8.868	8.868	(0.801)	321229	10.0000	9.1
26	Tert-butyl alcohol	59	8.927	8.927	(0.806)	515024	10.0000	10
27	Methyl tert-butyl ether	73	9.188	9.188	(0.830)	1036741	10.0000	9.7
28	1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	509287	10.0000	10
30	n-Hexane	57	9.535	9.535	(0.861)	518788	10.0000	9.8
31	1,1-Dichloroethane	63	9.903	9.903	(0.894)	628211	10.0000	9.8
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	346736	10.0000	9.3
36	Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	145713	10.0000	10
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	340102	10.0000	
38	Tetrahydrofuran	42	11.104	11.104	(0.896)	331903	10.0000	9.8
39	Chloroform	83	11.120	11.120	(1.004)	824239	10.0000	9.7
40	Cyclohexane	84	11.430	11.430	(0.922)	500289	10.0000	10
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	997180	10.0000	9.5
42	Carbon tetrachloride	117	11.600	11.600	(0.936)	1047880	10.0000	9.8
43	2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	1691186	10.0000	9.8
44	Benzene	78	11.905	11.905	(0.961)	1033886	10.0000	9.6
45	1,2-Dichloroethane	62	11.979	11.979	(0.967)	616135	10.0000	9.5
46	n-Heptane	43	12.081	12.081	(0.975)	647173	10.0000	9.6
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1877216	10.0000	
49	Trichloroethene	95	12.758	12.758	(1.030)	521748	10.0000	9.8
50	1,2-Dichloropropane	63	13.116	13.116	(1.059)	356646	10.0000	9.7
51	Methyl methacrylate	69	13.132	13.132	(1.060)	356424	10.0000	11
53	1,4-Dioxane	88	13.244	13.244	(1.069)	137528	10.0000	9.8
54	Bromodichloromethane	83	13.452	13.452	(1.086)	929664	10.0000	10
55	1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	628908	10.0000	10
56	Methyl isobutyl ketone	43	14.210	14.210	(1.147)	723124	10.0000	10
58	Toluene	92	14.498	14.498	(0.889)	793769	10.0000	10
59	1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	686123	10.0000	10
60	1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	353411	10.0000	9.9
61	Tetrachloroethene	166	15.219	15.219	(0.933)	854823	10.0000	10
63	Dibromochloromethane	129	15.582	15.582	(0.955)	928103	10.0000	11
64	1,2-Dibromoethane	107	15.784	15.784	(0.968)	723181	10.0000	10
* 65	Chlorobenzene-d5	117	16.313	16.313	(1.000)	1751499	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	1131931	10.0000	10
68	Ethylbenzene	91	16.409	16.409	(1.006)	1893563	10.0000	10
69	Xylene (m,p)	106	16.548	16.548	(1.014)	1450108	20.0000	21
71	Xylene (o)	106	17.044	17.044	(1.045)	695640	10.0000	10
72	Styrene	104	17.060	17.060	(1.046)	1089639	10.0000	11
73	Bromoform	173	17.348	17.348	(1.063)	985163	10.0000	11
75	1,1,2,2-Tetrachloroethane	83	17.845	17.845	(1.094)	923119	10.0000	10
79	4-Ethyltoluene	105	18.074	18.074	(1.108)	2251125	10.0000	11
80	2-Chlorotoluene	91	18.127	18.127	(1.111)	1906628	10.0000	10
81	1,3,5-Trimethylbenzene	105	18.143	18.143	(1.112)	1971544	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.634	18.634	(1.142)	1914256	10.0000	11
87	1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	1271660	10.0000	11
88	1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1232034	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1194423	10.0000	11
94 1,2,4-Trichlorobenzene	180	22.440	22.440	(1.376)	590657	10.0000	13
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	712972	10.0000	10

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckr007.d	Date:	30-MAR-2012 19:52
Client ID:	ICIS 302576	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ICIS 302576		
Lab Sample ID:	ICIS 302576		



Manual Integration Report

Data File: ckr007.d
Lab Sample ID: ICIS 302576
Inj. Date and Time: 30-MAR-2012 19:52
Instrument ID: C.i
Client ID: ICIS 302576
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

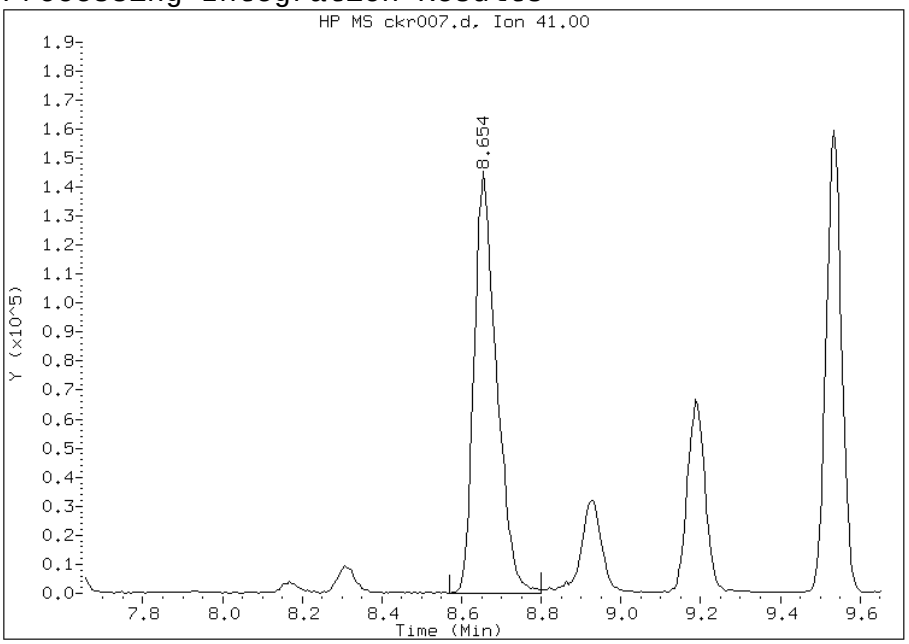
Processing Integration Results

RT: 8.65

Response: 568448

Amount: 12.55

Conc: 12.55



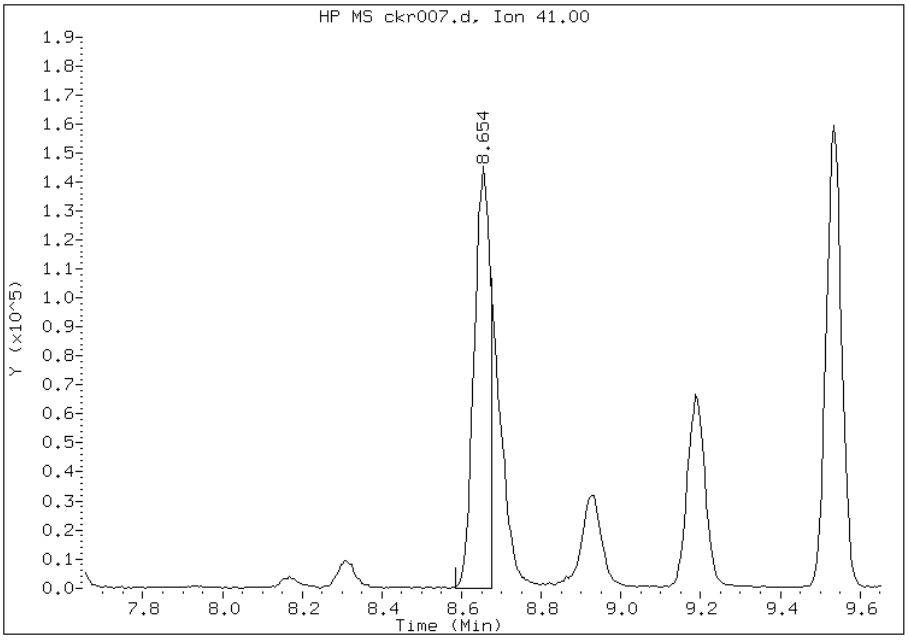
Manual Integration Results

RT: 8.65

Response: 403207

Amount: 9.20

Conc: 9.20



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr008.d
Lab Smp Id: IC 302594 Client Smp ID: IC 302594
Inj Date : 30-MAR-2012 20:41
Operator : pad Inst ID: C.i
Smp Info : IC 302594
Misc Info : 200,1, level 5
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:03 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 20:41 Cal File: ckr008.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.063	5.057	(0.457)	1483394	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.483)	1383071	15.0000	14
5 Chloromethane	50	5.516	5.511	(0.498)	356109	15.0000	14
7 Vinyl chloride	62	5.767	5.762	(0.521)	442565	15.0000	14
8 1,3-Butadiene	54	5.842	5.831	(0.528)	326865	15.0000	14
9 Bromomethane	94	6.498	6.493	(0.587)	428325	15.0000	14
10 Chloroethane	64	6.696	6.690	(0.605)	234837	15.0000	14
12 Vinyl bromide	106	7.048	7.043	(0.637)	442812	15.0000	15
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	1633211	15.0000	14
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.987	(0.722)	999753	15.0000	14
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	444738	15.0000	14
20 Acetone	43	8.174	8.169	(0.738)	714913	15.0000	13
21 Carbon disulfide	76	8.467	8.462	(0.765)	1269988	15.0000	15
22 Isopropanol	45	8.313	8.313	(0.751)	465553	15.0000	14

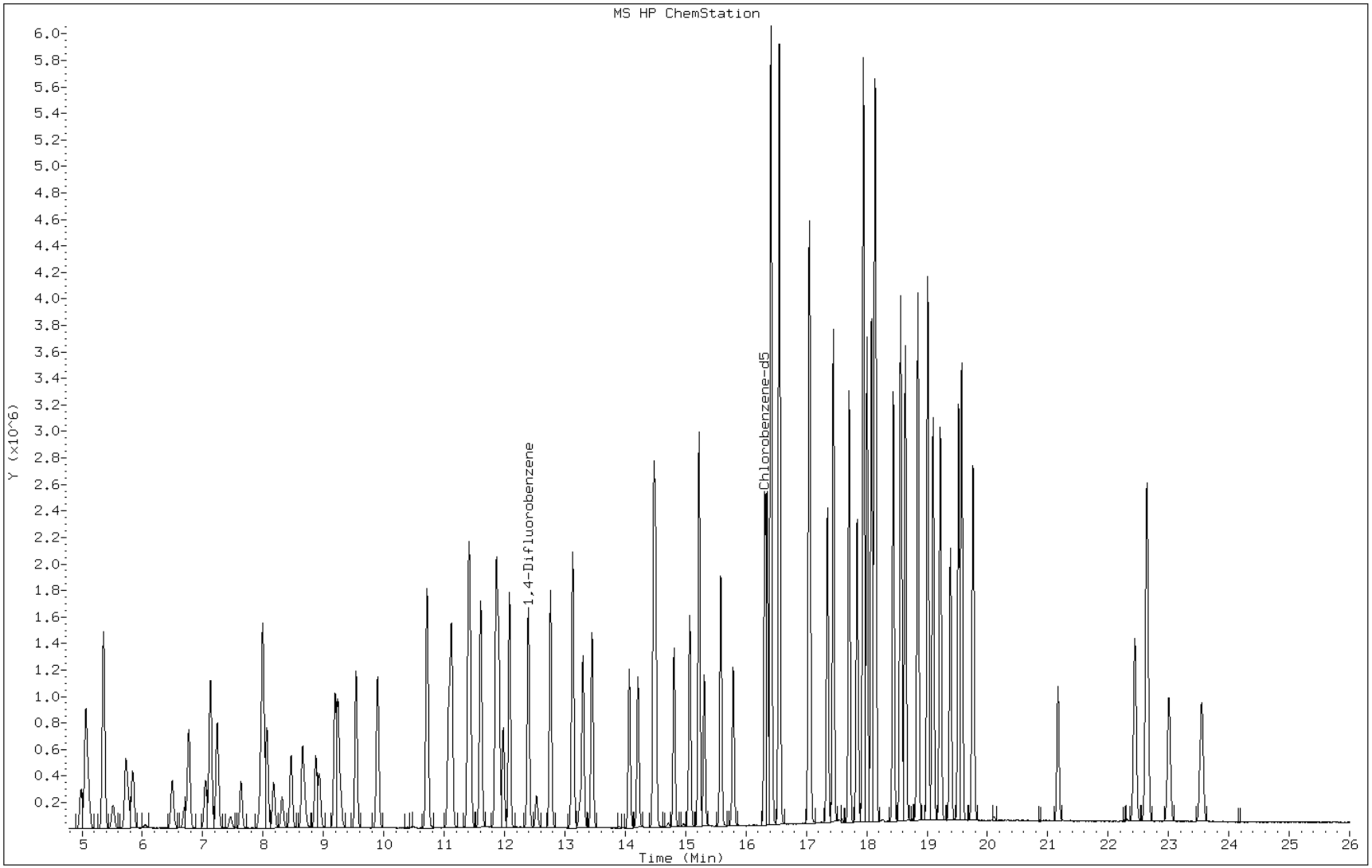
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.660	8.654	(0.782)	665459	15.0000	15(M)
25	Methylene chloride	49	8.873	8.868	(0.801)	482827	15.0000	13
26	Tert-butyl alcohol	59	8.932	8.927	(0.807)	750849	15.0000	14
27	Methyl tert-butyl ether	73	9.193	9.188	(0.830)	1565320	15.0000	14
28	1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	765346	15.0000	14
30	n-Hexane	57	9.540	9.535	(0.862)	790638	15.0000	14
31	1,1-Dichloroethane	63	9.903	9.903	(0.894)	950378	15.0000	14
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	531076	15.0000	14
36	Methyl Ethyl Ketone	72	10.709	10.714	(0.967)	224893	15.0000	15(Q)
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	358889	10.0000	
38	Tetrahydrofuran	42	11.109	11.104	(0.896)	496954	15.0000	15
39	Chloroform	83	11.125	11.120	(1.005)	1243580	15.0000	14
40	Cyclohexane	84	11.429	11.430	(0.922)	776286	15.0000	15
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	1511411	15.0000	14
42	Carbon tetrachloride	117	11.606	11.600	(0.936)	1571456	15.0000	15
43	2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	2613448	15.0000	15
44	Benzene	78	11.904	11.905	(0.960)	1593725	15.0000	15
45	1,2-Dichloroethane	62	11.979	11.979	(0.966)	915709	15.0000	14
46	n-Heptane	43	12.081	12.081	(0.975)	987927	15.0000	15
* 47	1,4-Difluorobenzene	114	12.395	12.390	(1.000)	1896394	10.0000	
49	Trichloroethene	95	12.764	12.758	(1.030)	802921	15.0000	15
50	1,2-Dichloropropane	63	13.127	13.116	(1.059)	538138	15.0000	15
51	Methyl methacrylate	69	13.132	13.132	(1.059)	540191	15.0000	16
53	1,4-Dioxane	88	13.244	13.244	(1.068)	197487	15.0000	14
54	Bromodichloromethane	83	13.452	13.452	(1.085)	1396099	15.0000	15
55	1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	958930	15.0000	15
56	Methyl isobutyl ketone	43	14.210	14.210	(1.146)	1066489	15.0000	15
58	Toluene	92	14.498	14.498	(0.889)	1211369	15.0000	15
59	1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	1051399	15.0000	15
60	1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	545708	15.0000	15
61	Tetrachloroethene	166	15.224	15.219	(0.933)	1312837	15.0000	15
63	Dibromochloromethane	129	15.582	15.582	(0.955)	1412972	15.0000	16
64	1,2-Dibromoethane	107	15.784	15.784	(0.968)	1107677	15.0000	15
* 65	Chlorobenzene-d5	117	16.313	16.313	(1.000)	1839100	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	1729353	15.0000	15
68	Ethylbenzene	91	16.414	16.409	(1.006)	2941094	15.0000	15
69	Xylene (m,p)	106	16.548	16.548	(1.014)	2252450	30.0000	31
71	Xylene (o)	106	17.044	17.044	(1.045)	1084030	15.0000	15
72	Styrene	104	17.060	17.060	(1.046)	1722842	15.0000	17
73	Bromoform	173	17.348	17.348	(1.063)	1527361	15.0000	16
75	1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	1404118	15.0000	15
79	4-Ethyltoluene	105	18.079	18.074	(1.108)	3459221	15.0000	16
80	2-Chlorotoluene	91	18.127	18.127	(1.111)	2950593	15.0000	15
81	1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	3060865	15.0000	16
84	1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	2955641	15.0000	16
87	1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	1981912	15.0000	16
88	1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1940443	15.0000	16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1855722	15.0000	16
94 1,2,4-Trichlorobenzene	180	22.445	22.440	(1.376)	961345	15.0000	18
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	1111672	15.0000	15

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckr008.d	Date:	30-MAR-2012 20:41
Client ID:	IC 302594	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 302594		
Lab Sample ID:	IC 302594		



Manual Integration Report

Data File: ckr008.d
Lab Sample ID: IC 302594
Inj. Date and Time: 30-MAR-2012 20:41
Instrument ID: C.i
Client ID: IC 302594
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

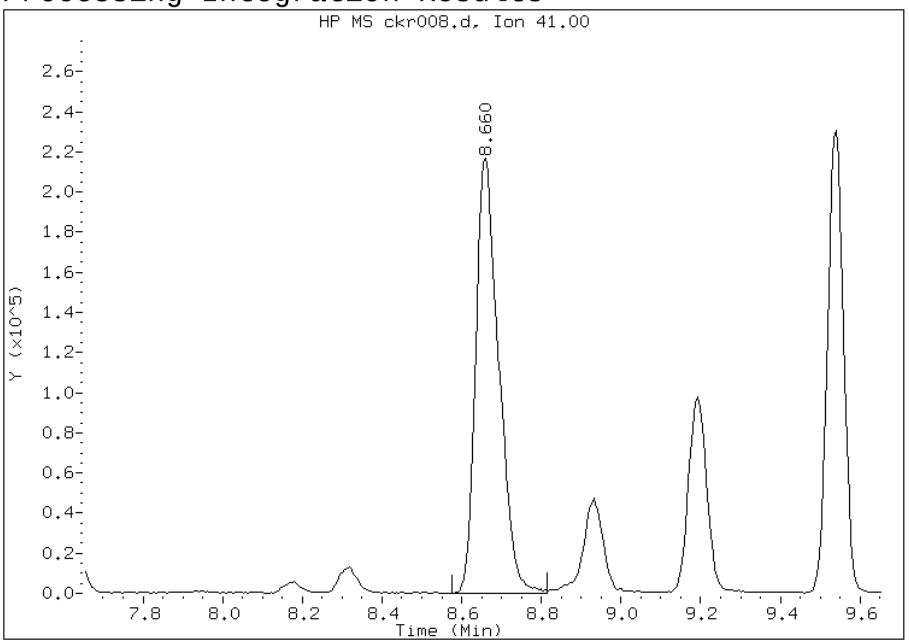
Processing Integration Results

RT: 8.66

Response: 866628

Amount: 18.21

Conc: 18.21



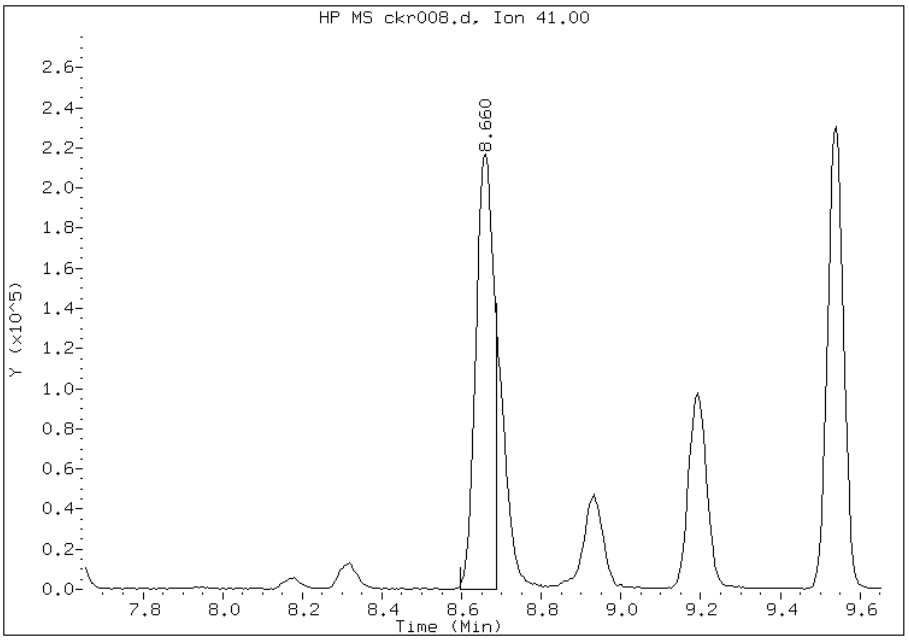
Manual Integration Results

RT: 8.66

Response: 665459

Amount: 14.51

Conc: 14.51



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr009.d
Lab Smp Id: IC 302555 Client Smp ID: IC 302555
Inj Date : 30-MAR-2012 21:30
Operator : pad Inst ID: C.i
Smp Info : IC 302555
Misc Info : 200,1, level 6
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:03 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 21:30 Cal File: ckr009.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	2077012	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.345	(0.483)	1959151	20.0000	18
5 Chloromethane	50	5.505	5.511	(0.497)	506435	20.0000	18
7 Vinyl chloride	62	5.756	5.762	(0.520)	627214	20.0000	19
8 1,3-Butadiene	54	5.831	5.831	(0.527)	466561	20.0000	19
9 Bromomethane	94	6.487	6.493	(0.586)	610406	20.0000	18
10 Chloroethane	64	6.685	6.690	(0.604)	330940	20.0000	19
12 Vinyl bromide	106	7.042	7.043	(0.636)	635155	20.0000	20
13 Trichlorofluoromethane	101	7.123	7.123	(0.643)	2327568	20.0000	19
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.721)	1430621	20.0000	19
19 1,1-Dichloroethene	96	8.056	8.057	(0.728)	638685	20.0000	19
20 Acetone	43	8.169	8.169	(0.738)	975925	20.0000	18
21 Carbon disulfide	76	8.462	8.462	(0.764)	1835284	20.0000	20
22 Isopropanol	45	8.307	8.313	(0.750)	687182	20.0000	20

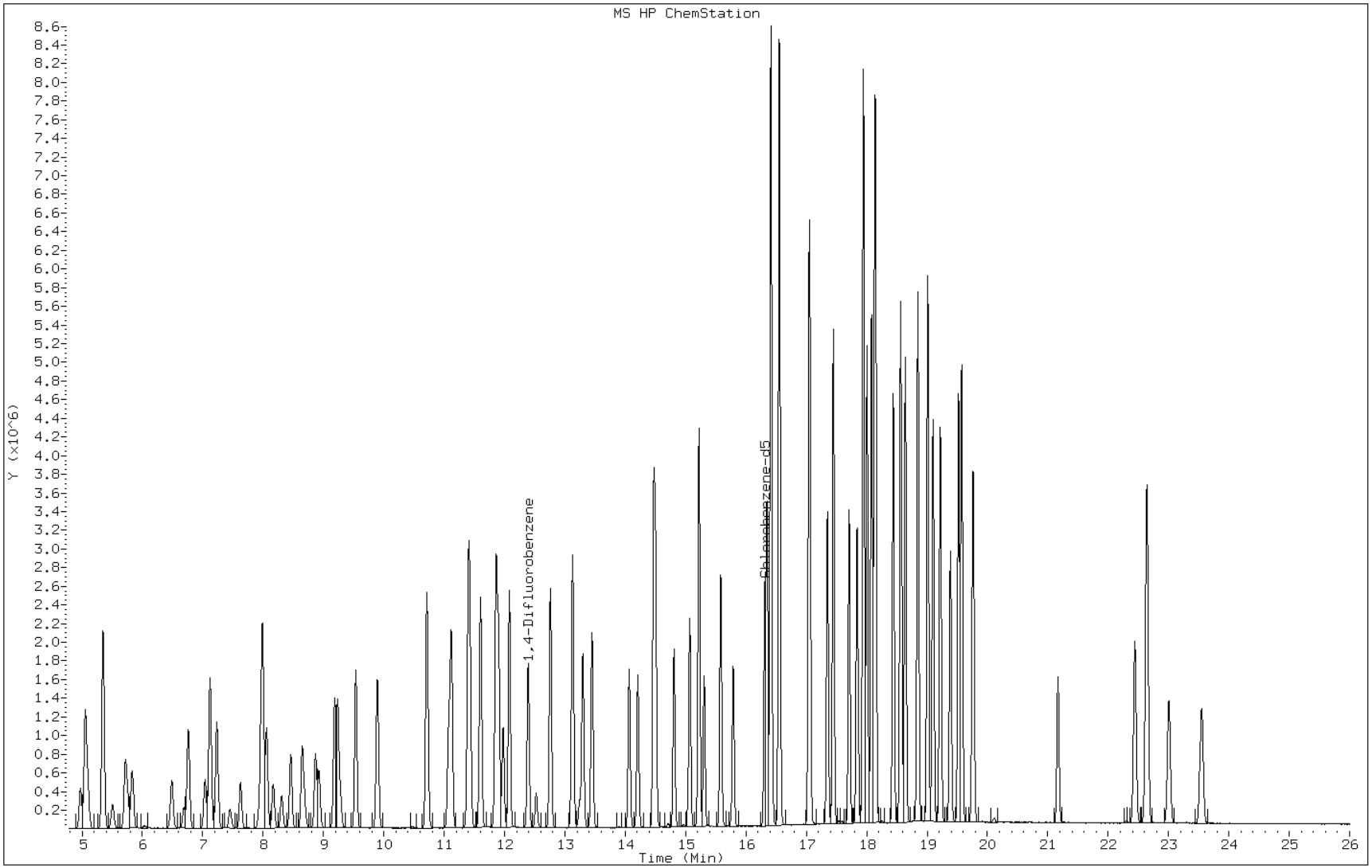
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	8.654	8.654	(0.782)	958818	20.0000	20(M)
	25 Methylene chloride	49	8.868	8.868	(0.801)	701969	20.0000	19
	26 Tert-butyl alcohol	59	8.926	8.927	(0.806)	1117964	20.0000	20
	27 Methyl tert-butyl ether	73	9.188	9.188	(0.830)	2160529	20.0000	19
	28 1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	1108982	20.0000	20
	30 n-Hexane	57	9.535	9.535	(0.861)	1147401	20.0000	20
	31 1,1-Dichloroethane	63	9.898	9.903	(0.894)	1355446	20.0000	19
	34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	776446	20.0000	19
	36 Methyl Ethyl Ketone	72	10.709	10.714	(0.967)	305210	20.0000	19
*	37 Bromochloromethane	128	11.072	11.072	(1.000)	381913	10.0000	
	38 Tetrahydrofuran	42	11.099	11.104	(0.896)	684195	20.0000	19
	39 Chloroform	83	11.120	11.120	(1.004)	1785760	20.0000	19
	40 Cyclohexane	84	11.429	11.430	(0.922)	1123195	20.0000	21
	41 1,1,1-Trichloroethane	97	11.397	11.403	(0.920)	2151585	20.0000	20
	42 Carbon tetrachloride	117	11.600	11.600	(0.936)	2262523	20.0000	20
	43 2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	3779396	20.0000	21
	44 Benzene	78	11.904	11.905	(0.961)	2335429	20.0000	21
	45 1,2-Dichloroethane	62	11.979	11.979	(0.967)	1310184	20.0000	19
	46 n-Heptane	43	12.081	12.081	(0.975)	1417841	20.0000	20
*	47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1988783	10.0000	
	49 Trichloroethene	95	12.764	12.758	(1.030)	1170729	20.0000	21
	50 1,2-Dichloropropane	63	13.121	13.116	(1.059)	766313	20.0000	20
	51 Methyl methacrylate	69	13.132	13.132	(1.060)	769535	20.0000	21
	53 1,4-Dioxane	88	13.244	13.244	(1.069)	295911	20.0000	20
	54 Bromodichloromethane	83	13.452	13.452	(1.086)	2007917	20.0000	21
	55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	1371089	20.0000	20
	56 Methyl isobutyl ketone	43	14.210	14.210	(1.147)	1498490	20.0000	20
	58 Toluene	92	14.498	14.498	(0.889)	1726297	20.0000	20
	59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	1489821	20.0000	20
	60 1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	771030	20.0000	20
	61 Tetrachloroethene	166	15.219	15.219	(0.933)	1896027	20.0000	21
	63 Dibromochloromethane	129	15.582	15.582	(0.955)	2018951	20.0000	21
	64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	1578485	20.0000	21
*	65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1887680	10.0000	
	66 Chlorobenzene	112	16.350	16.350	(1.002)	2494305	20.0000	21
	68 Ethylbenzene	91	16.414	16.409	(1.006)	4144666	20.0000	21
	69 Xylene (m,p)	106	16.547	16.548	(1.014)	3217142	40.0000	43
	71 Xylene (o)	106	17.044	17.044	(1.045)	1522180	20.0000	21
	72 Styrene	104	17.060	17.060	(1.046)	2476485	20.0000	23
	73 Bromoform	173	17.348	17.348	(1.063)	2175478	20.0000	22
	75 1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	1985695	20.0000	21
	79 4-Ethyltoluene	105	18.079	18.074	(1.108)	4918523	20.0000	22
	80 2-Chlorotoluene	91	18.127	18.127	(1.111)	4167613	20.0000	21
	81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	4318043	20.0000	22
	84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	4183361	20.0000	22
	87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	2830369	20.0000	22
	88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	2783509	20.0000	22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.760	(1.212)	2650943	20.0000	22
94 1,2,4-Trichlorobenzene	180	22.439	22.440	(1.376)	1350325	20.0000	24
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	1590042	20.0000	21

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckr009.d	Date:	30-MAR-2012 21:30
Client ID:	IC 302555	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 302555		
Lab Sample ID:	IC 302555		



Manual Integration Report

Data File: ckr009.d
Lab Sample ID: IC 302555
Inj. Date and Time: 30-MAR-2012 21:30
Instrument ID: C.i
Client ID: IC 302555
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

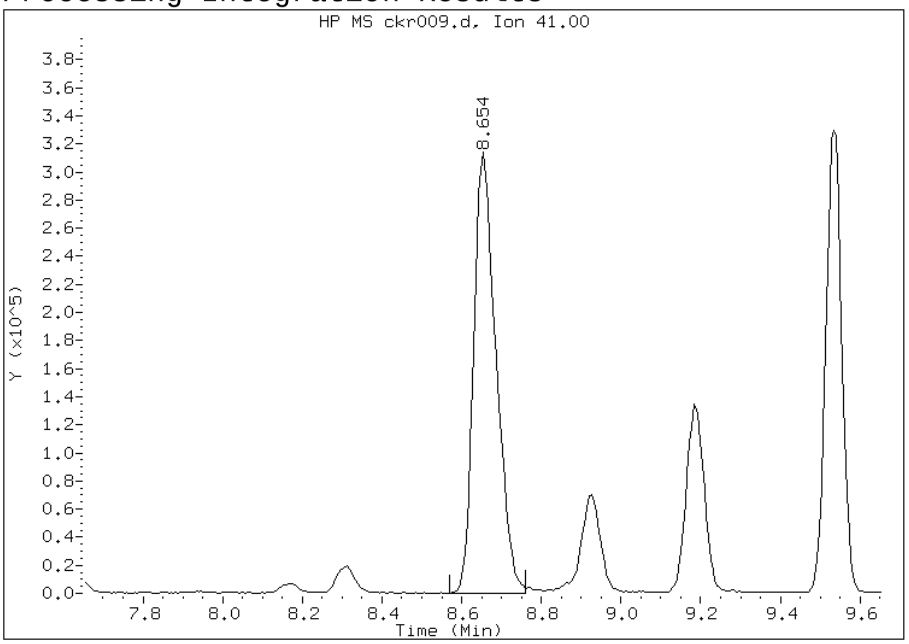
Processing Integration Results

RT: 8.65

Response: 1227116

Amount: 24.28

Conc: 24.28



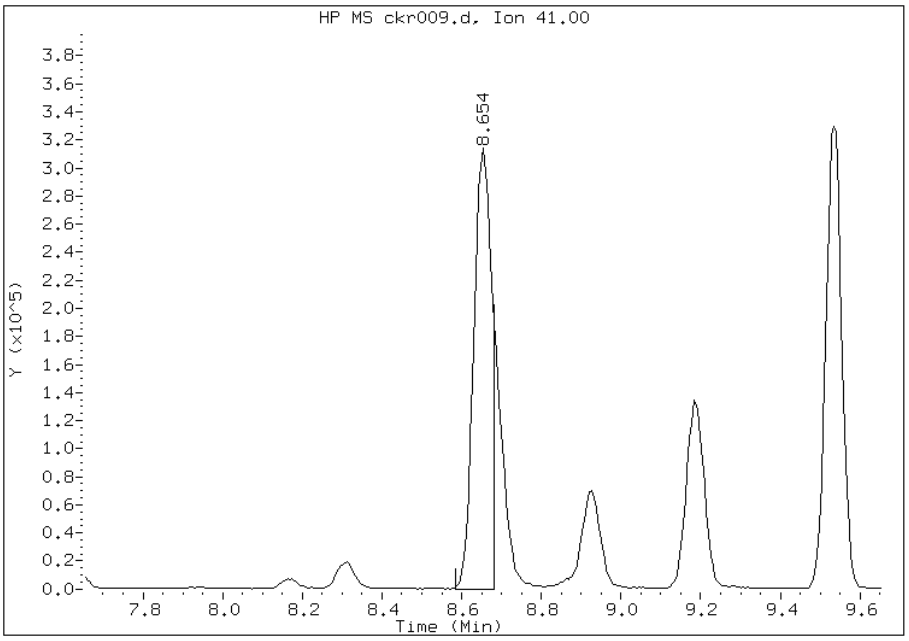
Manual Integration Results

RT: 8.65

Response: 958818

Amount: 19.70

Conc: 19.70



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr010.d
Lab Smp Id: IC 302540 Client Smp ID: IC 302540
Inj Date : 30-MAR-2012 22:20
Operator : pad Inst ID: C.i
Smp Info : IC 302540
Misc Info : 200,1, level 7
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:03 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	4225395	40.0000	35
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.345	(0.484)	4001824	40.0000	35
5 Chloromethane	50	5.516	5.511	(0.498)	1042907	40.0000	35
7 Vinyl chloride	62	5.767	5.762	(0.521)	1281034	40.0000	36
8 1,3-Butadiene	54	5.842	5.831	(0.528)	943697	40.0000	36
9 Bromomethane	94	6.498	6.493	(0.587)	1243029	40.0000	35
10 Chloroethane	64	6.696	6.690	(0.605)	668695	40.0000	35
12 Vinyl bromide	106	7.048	7.043	(0.637)	1338340	40.0000	38
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	4753139	40.0000	35
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	3001979	40.0000	37
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	1348637	40.0000	37
20 Acetone	43	8.174	8.169	(0.738)	1905557	40.0000	33
21 Carbon disulfide	76	8.462	8.462	(0.764)	3884702	40.0000	39
22 Isopropanol	45	8.318	8.313	(0.751)	1294624	40.0000	35

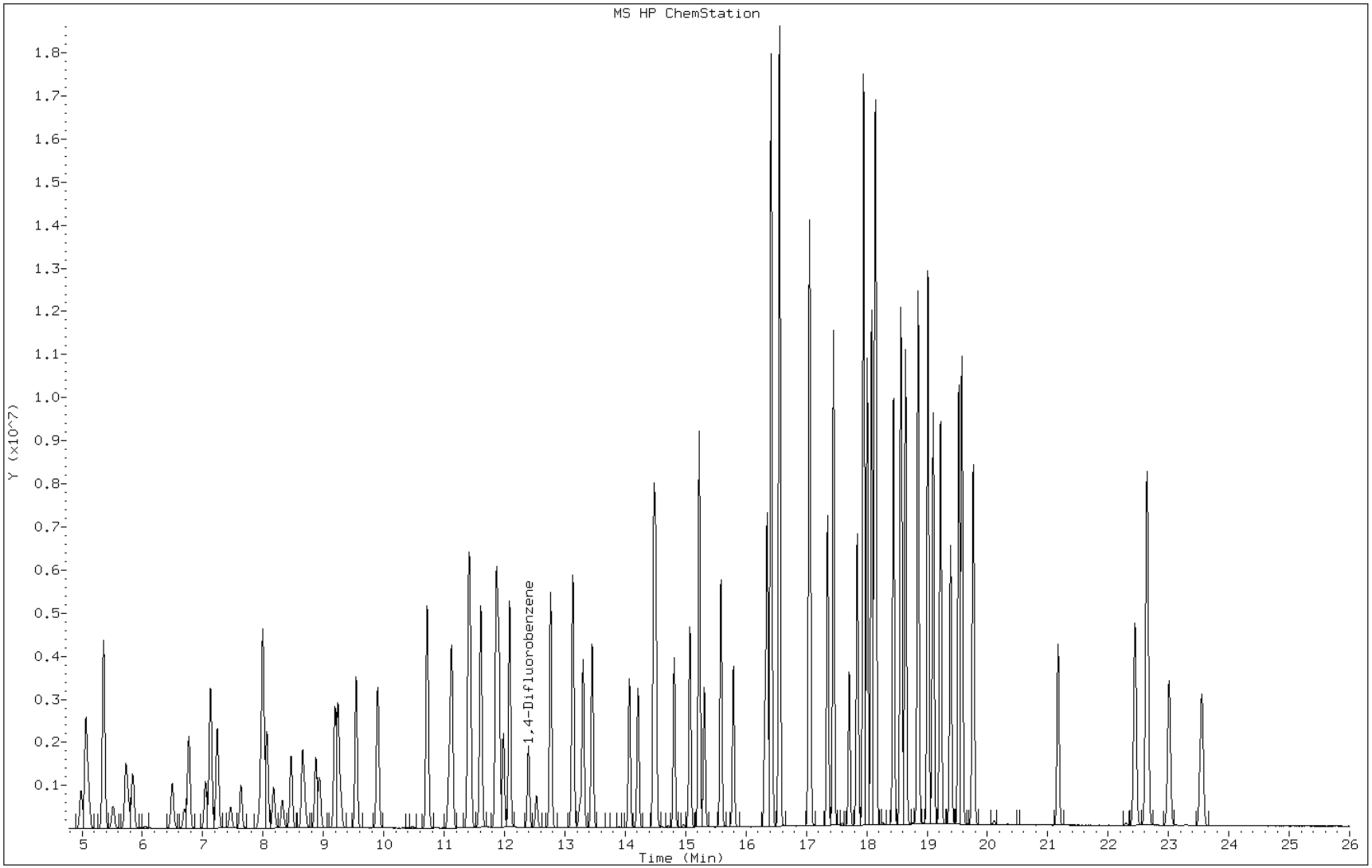
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.659	8.654	(0.782)	1955510	40.0000	37(M)
25	Methylene chloride	49	8.873	8.868	(0.801)	1439432	40.0000	35
26	Tert-butyl alcohol	59	8.932	8.927	(0.807)	2169641	40.0000	36
27	Methyl tert-butyl ether	73	9.193	9.188	(0.830)	4425170	40.0000	35
28	1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	2322001	40.0000	38
30	n-Hexane	57	9.540	9.535	(0.862)	2388842	40.0000	37
31	1,1-Dichloroethane	63	9.908	9.903	(0.895)	2846594	40.0000	37
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	1649052	40.0000	37
36	Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	617841	40.0000	36(Q)
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	419404	10.0000	(Q)
38	Tetrahydrofuran	42	11.104	11.104	(0.896)	1352612	40.0000	36
39	Chloroform	83	11.125	11.120	(1.005)	3719899	40.0000	37
40	Cyclohexane	84	11.429	11.430	(0.922)	2420330	40.0000	41(A)
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	4493800	40.0000	38
42	Carbon tetrachloride	117	11.605	11.600	(0.936)	4774643	40.0000	39
43	2,2,4-Trimethylpentane	57	11.867	11.862	(0.957)	7935101	40.0000	40
44	Benzene	78	11.910	11.905	(0.961)	4984753	40.0000	40(A)
45	1,2-Dichloroethane	62	11.984	11.979	(0.967)	2689609	40.0000	37
46	n-Heptane	43	12.086	12.081	(0.975)	2916938	40.0000	38
* 47	1,4-Difluorobenzene	114	12.395	12.390	(1.000)	2167284	10.0000	
49	Trichloroethene	95	12.764	12.758	(1.030)	2486639	40.0000	40(A)
50	1,2-Dichloropropane	63	13.127	13.116	(1.059)	1587328	40.0000	38
51	Methyl methacrylate	69	13.137	13.132	(1.060)	1604125	40.0000	40(A)
53	1,4-Dioxane	88	13.244	13.244	(1.068)	553373	40.0000	36
54	Bromodichloromethane	83	13.452	13.452	(1.085)	4138099	40.0000	39
55	1,3-Dichloropropene (cis)	75	14.071	14.066	(1.135)	2871202	40.0000	39
56	Methyl isobutyl ketone	43	14.215	14.210	(1.147)	2993653	40.0000	37
58	Toluene	92	14.503	14.498	(0.889)	3703506	40.0000	40
59	1,3-Dichloropropene (trans)	75	14.813	14.808	(1.195)	3140962	40.0000	40
60	1,1,2-Trichloroethane	83	15.069	15.064	(0.923)	1617577	40.0000	39
61	Tetrachloroethene	166	15.224	15.219	(0.933)	4077690	40.0000	41(A)
63	Dibromochloromethane	129	15.587	15.582	(0.955)	4325474	40.0000	42(A)
64	1,2-Dibromoethane	107	15.790	15.784	(0.968)	3379492	40.0000	41(A)
* 65	Chlorobenzene-d5	117	16.318	16.313	(1.000)	2066549	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	5367640	40.0000	41(A)
68	Ethylbenzene	91	16.414	16.409	(1.006)	9037299	40.0000	41(A)
69	Xylene (m,p)	106	16.553	16.548	(1.014)	7114932	80.0000	86(A)
71	Xylene (o)	106	17.049	17.044	(1.045)	3293613	40.0000	41(A)
72	Styrene	104	17.065	17.060	(1.046)	5523321	40.0000	45(A)
73	Bromoform	173	17.348	17.348	(1.063)	4775430	40.0000	44(A)
75	1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	4305142	40.0000	41(A)
79	4-Ethyltoluene	105	18.079	18.074	(1.108)	11015771	40.0000	44(A)
80	2-Chlorotoluene	91	18.133	18.127	(1.111)	9152323	40.0000	41(A)
81	1,3,5-Trimethylbenzene	105	18.149	18.143	(1.112)	9551430	40.0000	43(A)
84	1,2,4-Trimethylbenzene	105	18.640	18.634	(1.142)	9242381	40.0000	43(A)
87	1,3-Dichlorobenzene	146	19.104	19.099	(1.171)	6464290	40.0000	44(A)
88	1,4-Dichlorobenzene	146	19.227	19.221	(1.178)	6347008	40.0000	45(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.766	19.760	(1.211)	5964361	40.0000	44(A)
94 1,2,4-Trichlorobenzene	180	22.445	22.440	(1.375)	3297306	40.0000	50(A)
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	3677707	40.0000	43(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckr010.d	Date:	30-MAR-2012 22:20
Client ID:	IC 302540	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	IC 302540		
Lab Sample ID:	IC 302540		



Manual Integration Report

Data File: ckr010.d
Lab Sample ID: IC 302540
Inj. Date and Time: 30-MAR-2012 22:20
Instrument ID: C.i
Client ID: IC 302540
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/04/2012

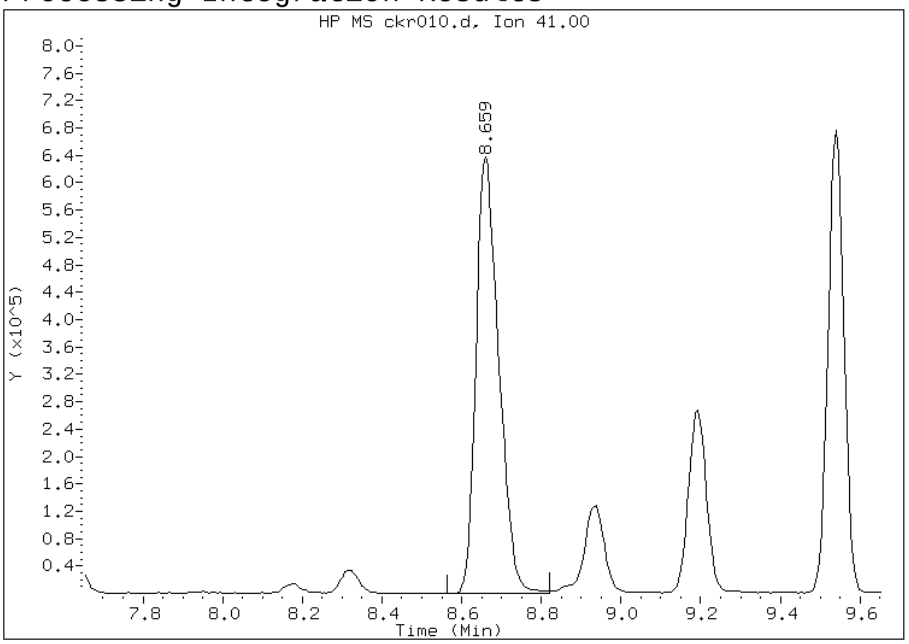
Processing Integration Results

RT: 8.66

Response: 2523093

Amount: 45.45

Conc: 45.45



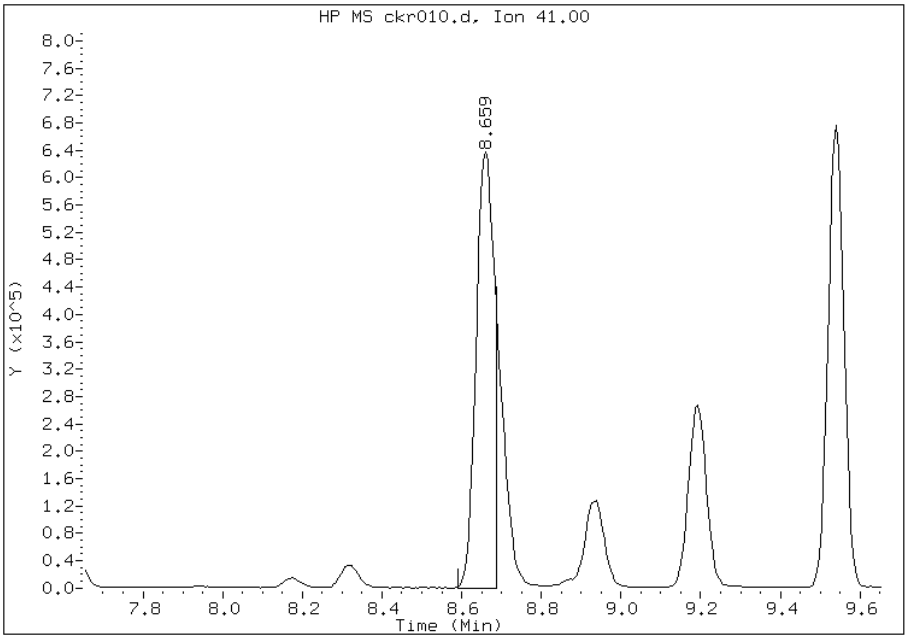
Manual Integration Results

RT: 8.66

Response: 1955510

Amount: 37.04

Conc: 37.04



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Matrix: Air Level: Low Lab File ID: ckr013.d

Lab ID: ICV 200-36189/13 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Chloromethane	10.0	11.5	115	70-130	
Vinyl chloride	10.0	11.4	114	70-130	
Chloroethane	10.0	10.9	109	70-130	
Methylene Chloride	10.0	11.8	118	70-130	
1,2-Dichloroethene, trans-	10.0	11.4	114	70-130	
1,2-Dichloroethene, cis-	10.0	10.8	108	70-130	
1,1,1-Trichloroethane	10.0	10.5	105	70-130	
1,2-Dichloroethane	10.0	10.6	107	70-130	
Trichloroethene	10.0	10.6	106	70-130	
1,1,2-Trichloroethane	10.0	9.97	100	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr013.d
Lab Smp Id: ICV 311643 Client Smp ID: ICV 311643
Inj Date : 31-MAR-2012 00:49
Operator : pad Inst ID: C.i
Smp Info : ICV 311643
Misc Info : 200,1, ICV
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/TO15v5NJ.m
Meth Date : 04-Apr-2012 12:03 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 9 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	1098204	11.1965	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.345	(0.484)	1025230	11.1416	11
5 Chloromethane	50	5.516	5.511	(0.498)	272347	11.5018	12
7 Vinyl chloride	62	5.772	5.762	(0.521)	326358	11.3626	11
8 1,3-Butadiene	54	5.847	5.831	(0.528)	246833	11.7582	12
9 Bromomethane	94	6.498	6.493	(0.587)	297092	10.3727	10
10 Chloroethane	64	6.696	6.690	(0.605)	165385	10.8574	11
12 Vinyl bromide	106	7.048	7.043	(0.637)	315087	11.2298	11
13 Trichlorofluoromethane	101	7.133	7.123	(0.644)	1175795	10.8667	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	768160	11.8761	12
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	342073	11.7713	12
20 Acetone	43	8.174	8.169	(0.738)	586812	12.6313	13
21 Carbon disulfide	76	8.467	8.462	(0.765)	912772	11.2919	11
22 Isopropanol	45	8.318	8.313	(0.751)	295042	9.93448	9.9

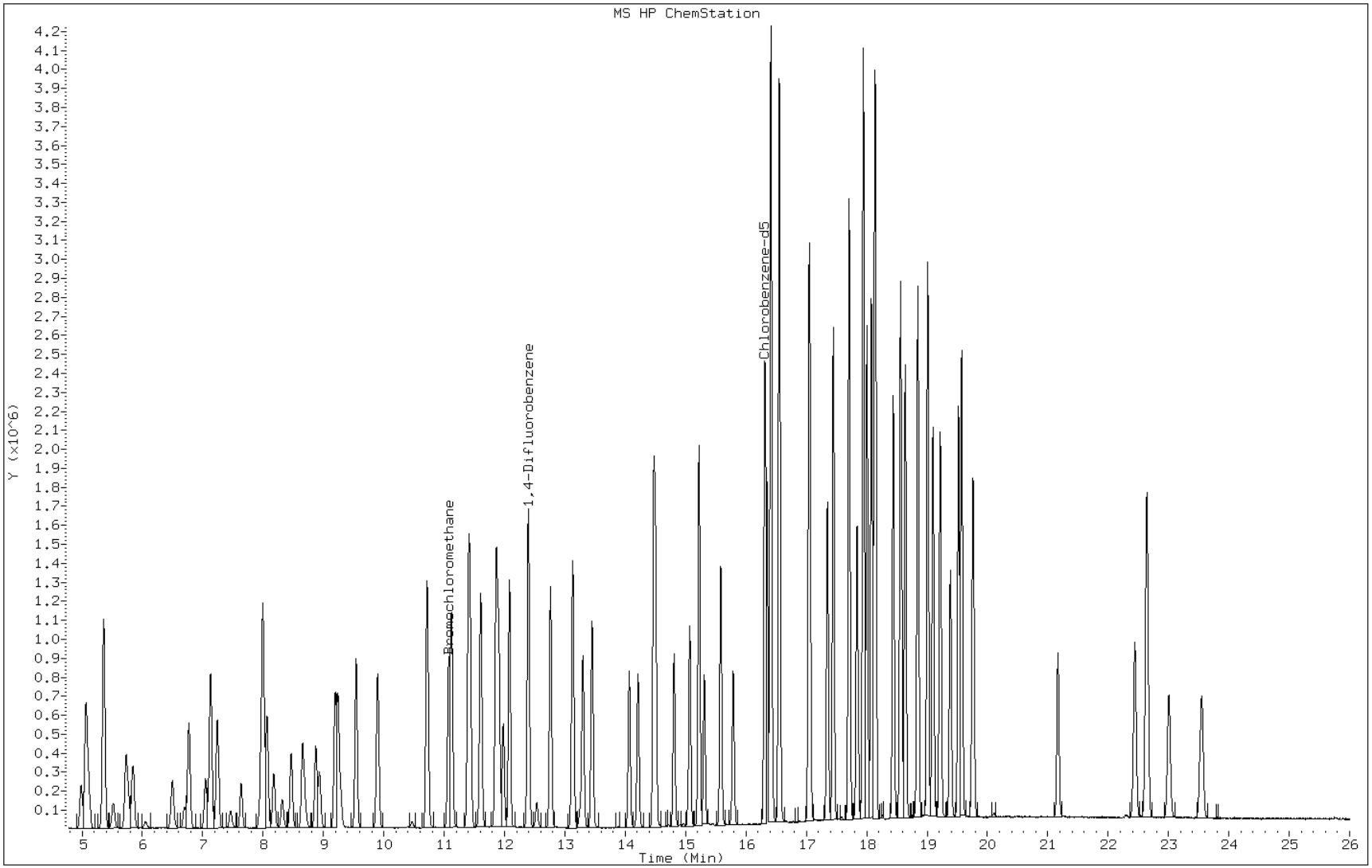
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	8.659	8.654	(0.782)	474890	11.1955	11(M)
25	Methylene chloride	49	8.873	8.868	(0.801)	383400	11.7637	12
26	Tert-butyl alcohol	59	8.937	8.927	(0.807)	537273	11.1214	11
27	Methyl tert-butyl ether	73	9.193	9.188	(0.830)	1087619	10.7992	11
28	1,2-Dichloroethene (trans)	61	9.247	9.236	(0.835)	561415	11.3622	11
30	n-Hexane	57	9.540	9.535	(0.862)	578150	11.2882	11
31	1,1-Dichloroethane	63	9.903	9.903	(0.894)	692167	11.2333	11
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	381370	10.7558	11
36	Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	156008	11.3818	11
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	336988	10.0000	
38	Tetrahydrofuran	42	11.109	11.104	(0.897)	335455	10.3030	10
39	Chloroform	83	11.125	11.120	(1.005)	890850	10.9570	11
40	Cyclohexane	84	11.435	11.430	(0.923)	548962	10.7680	11
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	1084513	10.5323	11
42	Carbon tetrachloride	117	11.605	11.600	(0.937)	1122007	10.5385	11
43	2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	1904574	10.9644	11
44	Benzene	78	11.904	11.905	(0.961)	1128869	10.4720	10
45	1,2-Dichloroethane	62	11.979	11.979	(0.967)	672603	10.6498	11
46	n-Heptane	43	12.086	12.081	(0.975)	733991	11.0185	11
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1881909	10.0000	
49	Trichloroethene	95	12.758	12.758	(1.030)	569572	10.6030	11
50	1,2-Dichloropropane	63	13.121	13.116	(1.059)	374832	10.3423	10
51	Methyl methacrylate	69	13.132	13.132	(1.060)	362204	10.4193	10
53	1,4-Dioxane	88	13.255	13.244	(1.070)	104074	7.75310	7.8
54	Bromodichloromethane	83	13.452	13.452	(1.086)	1025745	11.1473	11
55	1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	664870	10.4836	10
56	Methyl isobutyl ketone	43	14.215	14.210	(1.147)	752726	10.8337	11
58	Toluene	92	14.503	14.498	(0.889)	826846	10.1921	10
59	1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	715713	10.4013	10
60	1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	364041	9.97475	10
61	Tetrachloroethene	166	15.224	15.219	(0.933)	879848	10.0191	10
63	Dibromochloromethane	129	15.587	15.582	(0.956)	1021600	11.2071	11
64	1,2-Dibromoethane	107	15.784	15.784	(0.968)	752307	10.3162	10
* 65	Chlorobenzene-d5	117	16.313	16.313	(1.000)	1809203	10.0000	
66	Chlorobenzene	112	16.350	16.350	(1.002)	1182626	10.2285	10
68	Ethylbenzene	91	16.409	16.409	(1.006)	1968650	10.2796	10
69	Xylene (m,p)	106	16.547	16.548	(1.014)	1487406	20.4705	20
71	Xylene (o)	106	17.044	17.044	(1.045)	716925	10.1517	10
72	Styrene	104	17.060	17.060	(1.046)	1139811	10.6679	11
73	Bromoform	173	17.348	17.348	(1.063)	1084399	11.3754	11
75	1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	964759	10.4141	10
79	4-Ethyltoluene	105	18.074	18.074	(1.108)	2452496	11.2382	11
80	2-Chlorotoluene	91	18.127	18.127	(1.111)	2106941	10.8207	11
81	1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	2079683	10.8116	11
84	1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	1994572	10.6289	11
87	1,3-Dichlorobenzene	146	19.098	19.099	(1.171)	1335891	10.4338	10
88	1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1323668	10.6717	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1240587	10.3447	10
94 1,2,4-Trichlorobenzene	180	22.439	22.440	(1.376)	635037	11.0057	11
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	744155	9.93405	9.9

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckr013.d	Date:	31-MAR-2012 00:49
Client ID:	ICV 311643	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ICV 311643		
Lab Sample ID:	ICV 311643		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab Sample ID: CCVIS 200-36628/2 Calibration Date: 04/10/2012 10:19

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302576

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.911	3.014		10.4	10.0	3.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.731	2.744		10.0	10.0	0.5	30.0
Chloromethane	Ave	0.7027	0.6849		9.75	10.0	-2.5	30.0
Vinyl chloride	Ave	0.8523	0.8541		10.0	10.0	0.2	30.0
1,3-Butadiene	Ave	0.6229	0.6168		9.90	10.0	-1.0	30.0
Bromomethane	Ave	0.8499	0.8517		10.0	10.0	0.2	30.0
Chloroethane	Ave	0.4520	0.4451		9.84	10.0	-1.5	30.0
Vinyl bromide	Ave	0.8326	0.8547		10.3	10.0	2.6	30.0
Trichlorofluoromethane	Ave	3.211	3.294		10.3	10.0	2.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.919	1.938		10.1	10.0	1.0	30.0
1,1-Dichloroethene	Ave	0.8623	0.8451		9.80	10.0	-2.0	30.0
Acetone	Ave	1.379	1.325		9.61	10.0	-3.9	30.0
Isopropanol	Ave	0.8813	0.8841		10.0	10.0	0.3	30.0
Carbon disulfide	Ave	2.399	2.390		9.96	10.0	-0.4	30.0
Allyl chloride	Ave	1.259	1.266		10.1	10.0	0.6	30.0
Methylene Chloride	Ave	0.9672	0.9421		9.74	10.0	-2.6	30.0
tert-Butyl alcohol	Ave	1.434	1.393		9.71	10.0	-2.8	30.0
Methyl tert-butyl ether	Ave	2.989	2.791		9.34	10.0	-6.6	30.0
1,2-Dichloroethene, trans-	Ave	1.466	1.482		10.1	10.0	1.0	30.0
n-Hexane	Ave	1.520	1.489		9.79	10.0	-2.0	30.0
1,1-Dichloroethane	Ave	1.828	1.828		9.99	10.0	-0.0	30.0
Methyl Ethyl Ketone	Ave	0.4067	0.3857		9.48	10.0	-5.2	30.0
1,2-Dichloroethene, cis-	Ave	1.052	1.010		9.60	10.0	-4.0	30.0
Tetrahydrofuran	Ave	0.1730	0.1634		9.44	10.0	-5.5	30.0
Chloroform	Ave	2.413	2.432		10.1	10.0	0.8	30.0
1,1,1-Trichloroethane	Ave	0.5472	0.5669		10.4	10.0	3.6	30.0
Cyclohexane	Ave	0.2709	0.2714		10.0	10.0	0.2	30.0
Carbon tetrachloride	Ave	0.5657	0.5935		10.5	10.0	4.9	30.0
2,2,4-Trimethylpentane	Ave	0.9230	0.9139		9.90	10.0	-1.0	30.0
Benzene	Ave	0.5728	0.5643		9.85	10.0	-1.5	30.0
1,2-Dichloroethane	Ave	0.3356	0.3569		10.6	10.0	6.3	30.0
n-Heptane	Ave	0.3540	0.3523		9.95	10.0	-0.5	30.0
Trichloroethene	Ave	0.2854	0.2915		10.2	10.0	2.1	30.0
1,2-Dichloropropane	Ave	0.1926	0.1861		9.66	10.0	-3.4	30.0
Methyl methacrylate	Ave	0.1847	0.1739		9.41	10.0	-5.9	30.0
1,4-Dioxane	Ave	0.0713	0.0663		9.29	10.0	-7.1	30.0
Bromodichloromethane	Ave	0.4890	0.5180		10.6	10.0	5.9	30.0
1,3-Dichloropropene, cis-	Ave	0.3370	0.3336		9.90	10.0	-1.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab Sample ID: CCVIS 200-36628/2 Calibration Date: 04/10/2012 10:19

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrh002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302576

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3692	0.3577		9.69	10.0	-3.1	30.0
Toluene	Ave	0.4484	0.4527		10.1	10.0	1.0	30.0
1,3-Dichloropropene, trans-	Ave	0.3656	0.3593		9.82	10.0	-1.7	30.0
1,1,2-Trichloroethane	Ave	0.2017	0.2087		10.3	10.0	3.5	30.0
Tetrachloroethene	Ave	0.4854	0.5284		10.9	10.0	8.9	30.0
Dibromochloromethane	Ave	0.5039	0.5625		11.2	10.0	11.6	30.0
1,2-Dibromoethane	Ave	0.4031	0.4301		10.7	10.0	6.7	30.0
Chlorobenzene	Ave	0.6391	0.6602		10.3	10.0	3.3	30.0
Ethylbenzene	Ave	1.059	1.065		10.1	10.0	0.6	30.0
m-Xylene & p-Xylene	Ave	0.4016	0.4030		20.1	20.0	0.3	30.0
o-Xylene	Ave	0.3903	0.3926		10.1	10.0	0.6	30.0
Styrene	Ave	0.5906	0.6077		10.3	10.0	2.9	30.0
Bromoform	Ave	0.5269	0.5819		11.0	10.0	10.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5120	0.5137		10.0	10.0	0.3	30.0
4-Ethyltoluene	Ave	1.206	1.244		10.3	10.0	3.1	30.0
2-Chlorotoluene	Ave	1.076	1.088		10.1	10.0	1.1	30.0
1,3,5-Trimethylbenzene	Ave	1.063	1.098		10.3	10.0	3.2	30.0
1,2,4-Trimethylbenzene	Ave	1.037	1.064		10.3	10.0	2.6	30.0
1,3-Dichlorobenzene	Ave	0.7077	0.7280		10.3	10.0	2.9	30.0
1,4-Dichlorobenzene	Ave	0.6856	0.7083		10.3	10.0	3.3	30.0
1,2-Dichlorobenzene	Ave	0.6629	0.6779		10.2	10.0	2.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3257		10.2	10.0	2.1	30.0
Hexachlorobutadiene	Ave	0.4140	0.4173		10.1	10.0	0.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh002.d
Lab Smp Id: ccvis 302576 Client Smp ID: ccvis 302576
Inj Date : 10-APR-2012 10:19
Operator : pad Inst ID: C.i
Smp Info : ccvis 302576
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	881919	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.484)	802953	10.0000	10
5 Chloromethane	50	5.511	5.511	(0.498)	200406	10.0000	9.7
7 Vinyl chloride	62	5.762	5.762	(0.521)	249919	10.0000	10
8 1,3-Butadiene	54	5.831	5.831	(0.527)	180475	10.0000	9.9
9 Bromomethane	94	6.493	6.493	(0.587)	249208	10.0000	10
10 Chloroethane	64	6.690	6.690	(0.605)	130232	10.0000	9.8
12 Vinyl bromide	106	7.043	7.043	(0.636)	250088	10.0000	10
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	963828	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.722)	567196	10.0000	10
19 1,1-Dichloroethene	96	8.057	8.057	(0.728)	247286	10.0000	9.8
20 Acetone	43	8.169	8.169	(0.738)	387571	10.0000	9.6
21 Carbon disulfide	76	8.462	8.462	(0.765)	699317	10.0000	10
22 Isopropanol	45	8.307	8.313	(0.751)	258688	10.0000	10

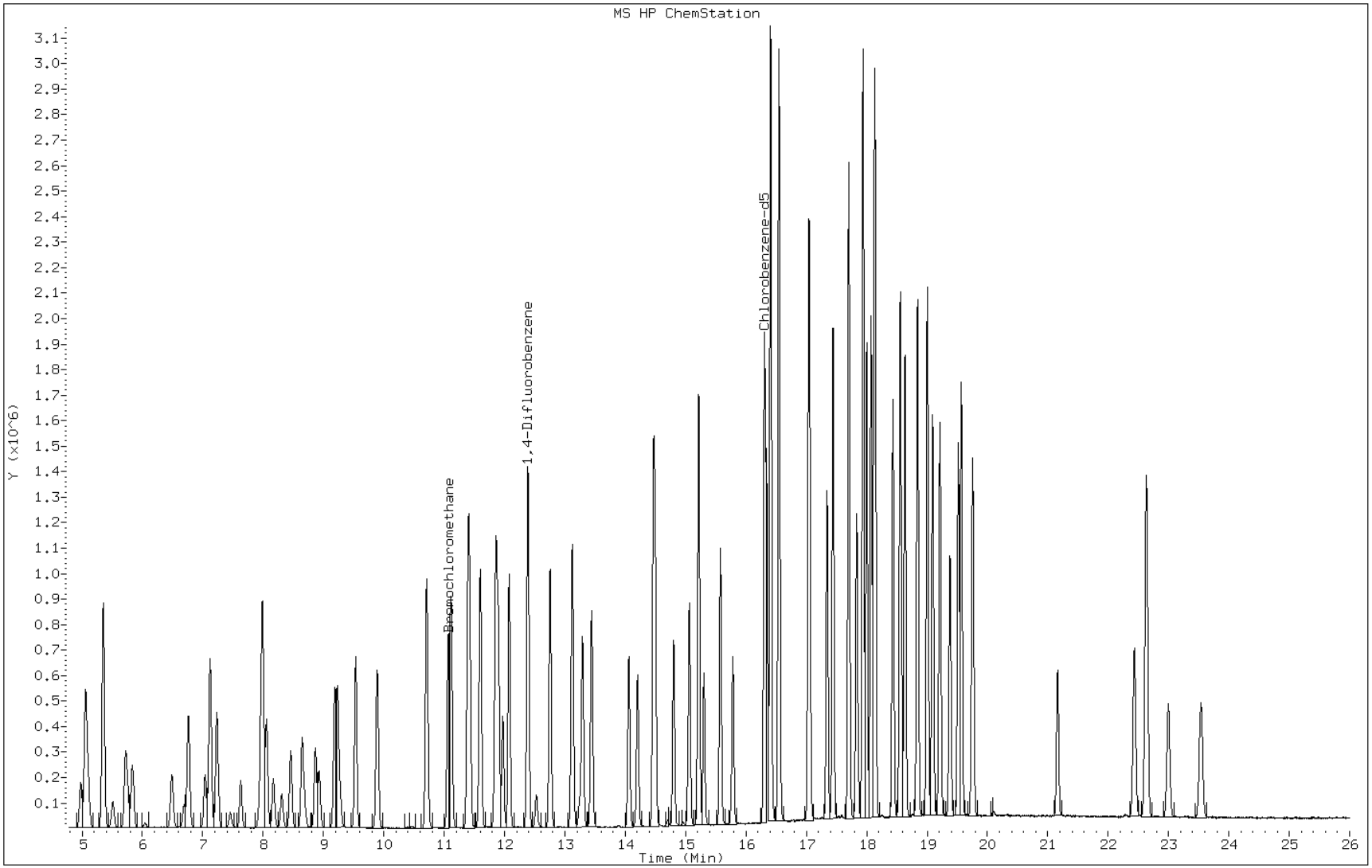
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	23 Allyl chloride	41	8.649	8.654	(0.782)	370478	10.0000	10(M)
	25 Methylene chloride	49	8.862	8.868	(0.801)	275678	10.0000	9.7
	26 Tert-butyl alcohol	59	8.927	8.927	(0.807)	407544	10.0000	9.7
	27 Methyl tert-butyl ether	73	9.188	9.188	(0.830)	816827	10.0000	9.3
	28 1,2-Dichloroethene (trans)	61	9.231	9.236	(0.834)	433517	10.0000	10
	30 n-Hexane	57	9.535	9.535	(0.862)	435661	10.0000	9.8
	31 1,1-Dichloroethane	63	9.898	9.903	(0.894)	534853	10.0000	10
	34 1,2-Dichloroethene (cis)	96	10.720	10.725	(0.969)	295494	10.0000	9.6
	36 Methyl Ethyl Ketone	72	10.704	10.714	(0.967)	112852	10.0000	9.5
*	37 Bromochloromethane	128	11.067	11.072	(1.000)	292672	10.0000	
	38 Tetrahydrofuran	42	11.104	11.104	(0.897)	254347	10.0000	9.4
	39 Chloroform	83	11.120	11.120	(1.005)	711528	10.0000	10
	40 Cyclohexane	84	11.430	11.430	(0.923)	422443	10.0000	10
	41 1,1,1-Trichloroethane	97	11.398	11.403	(0.920)	882268	10.0000	10
	42 Carbon tetrachloride	117	11.595	11.600	(0.936)	923672	10.0000	10
	43 2,2,4-Trimethylpentane	57	11.856	11.862	(0.957)	1422312	10.0000	9.9
	44 Benzene	78	11.899	11.905	(0.961)	878145	10.0000	9.8
	45 1,2-Dichloroethane	62	11.974	11.979	(0.967)	555394	10.0000	11
	46 n-Heptane	43	12.081	12.081	(0.975)	548206	10.0000	9.9
*	47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1556590	10.0000	
	49 Trichloroethene	95	12.758	12.758	(1.030)	453576	10.0000	10
	50 1,2-Dichloropropane	63	13.116	13.116	(1.059)	289581	10.0000	9.7
	51 Methyl methacrylate	69	13.127	13.132	(1.060)	270558	10.0000	9.4
	53 1,4-Dioxane	88	13.244	13.244	(1.069)	103182	10.0000	9.3
	54 Bromodichloromethane	83	13.442	13.452	(1.085)	806072	10.0000	11
	55 1,3-Dichloropropene (cis)	75	14.061	14.066	(1.135)	519223	10.0000	9.9
	56 Methyl isobutyl ketone	43	14.205	14.210	(1.147)	556706	10.0000	9.7
	58 Toluene	92	14.493	14.498	(0.889)	634768	10.0000	10
	59 1,3-Dichloropropene (trans)	75	14.802	14.808	(1.195)	559109	10.0000	9.8
	60 1,1,2-Trichloroethane	83	15.059	15.064	(0.923)	292663	10.0000	10
	61 Tetrachloroethene	166	15.219	15.219	(0.933)	740916	10.0000	11
	63 Dibromochloromethane	129	15.576	15.582	(0.955)	788703	10.0000	11
	64 1,2-Dibromoethane	107	15.779	15.784	(0.968)	603012	10.0000	11
*	65 Chlorobenzene-d5	117	16.307	16.313	(1.000)	1402403	10.0000	
	66 Chlorobenzene	112	16.345	16.350	(1.002)	925723	10.0000	10
	68 Ethylbenzene	91	16.409	16.409	(1.006)	1493696	10.0000	10
	69 Xylene (m,p)	106	16.548	16.548	(1.015)	1130171	20.0000	20
	71 Xylene (o)	106	17.039	17.044	(1.045)	550403	10.0000	10
	72 Styrene	104	17.055	17.060	(1.046)	852073	10.0000	10
	73 Bromoform	173	17.343	17.348	(1.063)	815905	10.0000	11
	75 1,1,2,2-Tetrachloroethane	83	17.834	17.845	(1.094)	720293	10.0000	10
	79 4-Ethyltoluene	105	18.069	18.074	(1.108)	1743783	10.0000	10
	80 2-Chlorotoluene	91	18.122	18.127	(1.111)	1526028	10.0000	10
	81 1,3,5-Trimethylbenzene	105	18.143	18.143	(1.113)	1538955	10.0000	10
	84 1,2,4-Trimethylbenzene	105	18.634	18.634	(1.143)	1492071	10.0000	10
	87 1,3-Dichlorobenzene	146	19.093	19.099	(1.171)	1020806	10.0000	10
	88 1,4-Dichlorobenzene	146	19.216	19.221	(1.178)	993075	10.0000	10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.755	19.760	(1.211)	950551	10.0000	10
94 1,2,4-Trichlorobenzene	180	22.440	22.440	(1.376)	456676	10.0000	10
95 1,3-Hexachlorobutadiene	225	22.632	22.642	(1.388)	585086	10.0000	10

QC Flag Legend

M - Compound response manually integrated.

Data File:	ckrh002.d	Date:	10-APR-2012 10:19
Client ID:	ccvis 302576	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 302576		
Lab Sample ID:	ccvis 302576		



Manual Integration Report

Data File: ckrh002.d
Lab Sample ID: ccvis 302576
Inj. Date and Time: 10-APR-2012 10:19
Instrument ID: C.i
Client ID: ccvis 302576
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/11/2012

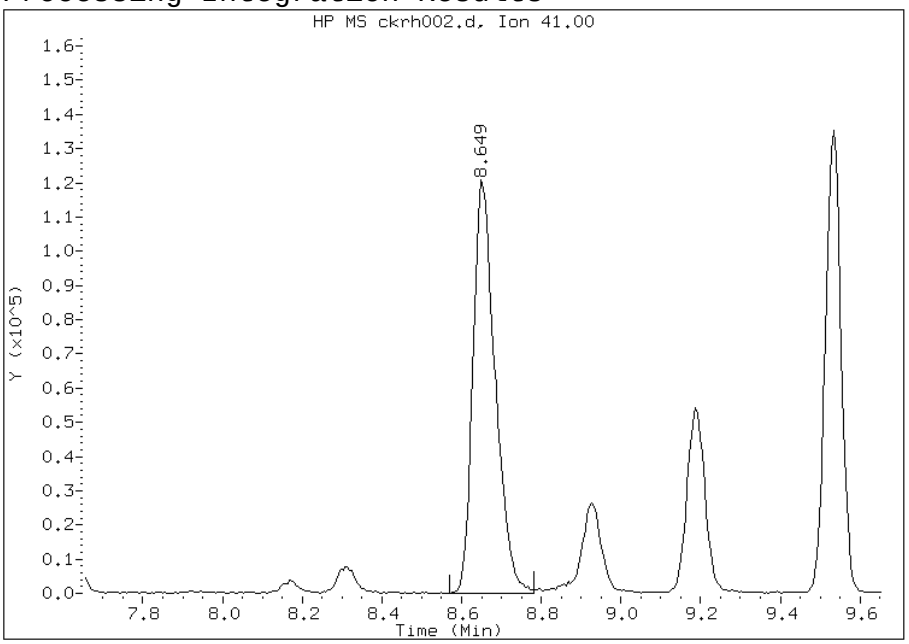
Processing Integration Results

RT: 8.65

Response: 468625

Amount: 12.72

Conc: 12.72



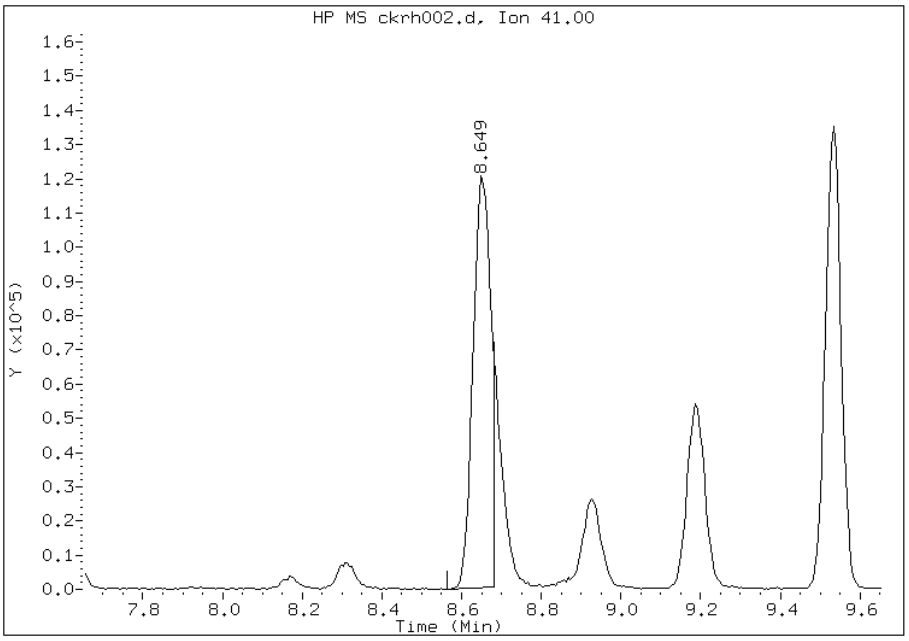
Manual Integration Results

RT: 8.65

Response: 370478

Amount: 10.06

Conc: 10.06



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab Sample ID: CCVC 200-36628/28 Calibration Date: 04/11/2012 07:58

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrh028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.911	3.196		11.0	10.0	9.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.731	2.822		10.3	10.0	3.3	30.0
Chloromethane	Ave	0.7027	0.7047		10.0	10.0	0.3	30.0
Vinyl chloride	Ave	0.8523	0.8562		10.0	10.0	0.4	30.0
1,3-Butadiene	Ave	0.6229	0.6406		10.3	10.0	2.8	30.0
Bromomethane	Ave	0.8499	0.8675		10.2	10.0	2.1	30.0
Chloroethane	Ave	0.4520	0.4620		10.2	10.0	2.2	30.0
Vinyl bromide	Ave	0.8326	0.8684		10.4	10.0	4.3	30.0
Trichlorofluoromethane	Ave	3.211	3.509		10.9	10.0	9.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.919	1.982		10.3	10.0	3.3	30.0
1,1-Dichloroethene	Ave	0.8623	0.8371		9.71	10.0	-2.9	30.0
Acetone	Ave	1.379	1.659		12.0	10.0	20.3	30.0
Isopropanol	Ave	0.8813	1.032		11.7	10.0	17.1	30.0
Carbon disulfide	Ave	2.399	2.393		9.98	10.0	-0.2	30.0
Allyl chloride	Ave	1.259	1.212		9.63	10.0	-3.7	30.0
Methylene Chloride	Ave	0.9672	0.9891		10.2	10.0	2.3	30.0
tert-Butyl alcohol	Ave	1.434	1.753		12.2	10.0	22.3	30.0
Methyl tert-butyl ether	Ave	2.989	3.163		10.6	10.0	5.8	30.0
1,2-Dichloroethene, trans-	Ave	1.466	1.545		10.5	10.0	5.4	30.0
n-Hexane	Ave	1.520	1.517		9.98	10.0	-0.2	30.0
1,1-Dichloroethane	Ave	1.828	1.878		10.3	10.0	2.7	30.0
Methyl Ethyl Ketone	Ave	0.4067	0.4271		10.5	10.0	5.0	30.0
1,2-Dichloroethene, cis-	Ave	1.052	1.035		9.84	10.0	-1.6	30.0
Tetrahydrofuran	Ave	0.1730	0.1813		10.5	10.0	4.8	30.0
Chloroform	Ave	2.413	2.571		10.7	10.0	6.6	30.0
1,1,1-Trichloroethane	Ave	0.5472	0.5991		10.9	10.0	9.5	30.0
Cyclohexane	Ave	0.2709	0.2791		10.3	10.0	3.0	30.0
Carbon tetrachloride	Ave	0.5657	0.6372		11.3	10.0	12.6	30.0
2,2,4-Trimethylpentane	Ave	0.9230	0.9356		10.1	10.0	1.4	30.0
Benzene	Ave	0.5728	0.5678		9.91	10.0	-0.9	30.0
1,2-Dichloroethane	Ave	0.3356	0.3736		11.1	10.0	11.3	30.0
n-Heptane	Ave	0.3540	0.3654		10.3	10.0	3.2	30.0
Trichloroethene	Ave	0.2854	0.2990		10.5	10.0	4.8	30.0
1,2-Dichloropropane	Ave	0.1926	0.1947		10.1	10.0	1.1	30.0
Methyl methacrylate	Ave	0.1847	0.1934		10.5	10.0	4.7	30.0
1,4-Dioxane	Ave	0.0713	0.0773		10.8	10.0	8.4	30.0
Bromodichloromethane	Ave	0.4890	0.5443		11.1	10.0	11.3	30.0
1,3-Dichloropropene, cis-	Ave	0.3370	0.3544		10.5	10.0	5.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Lab Sample ID: CCVC 200-36628/28 Calibration Date: 04/11/2012 07:58

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrh028.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone	Ave	0.3692	0.4138		11.2	10.0	12.1	30.0
Toluene	Ave	0.4484	0.4477		9.98	10.0	-0.2	30.0
1,3-Dichloropropene, trans-	Ave	0.3656	0.3931		10.7	10.0	7.5	30.0
1,1,2-Trichloroethane	Ave	0.2017	0.2051		10.2	10.0	1.7	30.0
Tetrachloroethene	Ave	0.4854	0.5125		10.6	10.0	5.6	30.0
Dibromochloromethane	Ave	0.5039	0.5665		11.2	10.0	12.4	30.0
1,2-Dibromoethane	Ave	0.4031	0.4278		10.6	10.0	6.1	30.0
Chlorobenzene	Ave	0.6391	0.6602		10.3	10.0	3.3	30.0
Ethylbenzene	Ave	1.059	1.120		10.6	10.0	5.8	30.0
m-Xylene & p-Xylene	Ave	0.4016	0.4231		21.1	20.0	5.4	30.0
o-Xylene	Ave	0.3903	0.4141		10.6	10.0	6.1	30.0
Styrene	Ave	0.5906	0.6415		10.9	10.0	8.6	30.0
Bromoform	Ave	0.5269	0.6155		11.7	10.0	16.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5120	0.5470		10.7	10.0	6.8	30.0
4-Ethyltoluene	Ave	1.206	1.348		11.2	10.0	11.8	30.0
2-Chlorotoluene	Ave	1.076	1.157		10.8	10.0	7.5	30.0
1,3,5-Trimethylbenzene	Ave	1.063	1.197		11.3	10.0	12.6	30.0
1,2,4-Trimethylbenzene	Ave	1.037	1.163		11.2	10.0	12.1	30.0
1,3-Dichlorobenzene	Ave	0.7077	0.7660		10.8	10.0	8.2	30.0
1,4-Dichlorobenzene	Ave	0.6856	0.7518		11.0	10.0	9.7	30.0
1,2-Dichlorobenzene	Ave	0.6629	0.7289		11.0	10.0	10.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3281		10.3	10.0	2.9	30.0
Hexachlorobutadiene	Ave	0.4140	0.4400		10.6	10.0	6.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh028.d
Lab Smp Id: ccvc 316587 Client Smp ID: ccvc 316587
Inj Date : 11-APR-2012 07:58
Operator : pad Inst ID: C.i
Smp Info : ccvc 316587
Misc Info : 200,1
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:43 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
2 Dichlorodifluoromethane	85	5.073	5.057	(0.458)	824857	10.0000	11
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.361	5.345	(0.484)	728287	10.0000	10
5 Chloromethane	50	5.527	5.511	(0.499)	181870	10.0000	10
7 Vinyl chloride	62	5.772	5.762	(0.521)	220959	10.0000	10
8 1,3-Butadiene	54	5.847	5.831	(0.528)	165333	10.0000	10
9 Bromomethane	94	6.503	6.493	(0.587)	223878	10.0000	10
10 Chloroethane	64	6.696	6.690	(0.605)	119225	10.0000	10
12 Vinyl bromide	106	7.053	7.043	(0.637)	224128	10.0000	10
13 Trichlorofluoromethane	101	7.133	7.123	(0.644)	905678	10.0000	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	511547	10.0000	10
19 1,1-Dichloroethene	96	8.067	8.057	(0.729)	216045	10.0000	9.7
20 Acetone	43	8.174	8.169	(0.738)	428188	10.0000	12
21 Carbon disulfide	76	8.467	8.462	(0.765)	617679	10.0000	10
22 Isopropanol	45	8.318	8.313	(0.751)	266387	10.0000	12

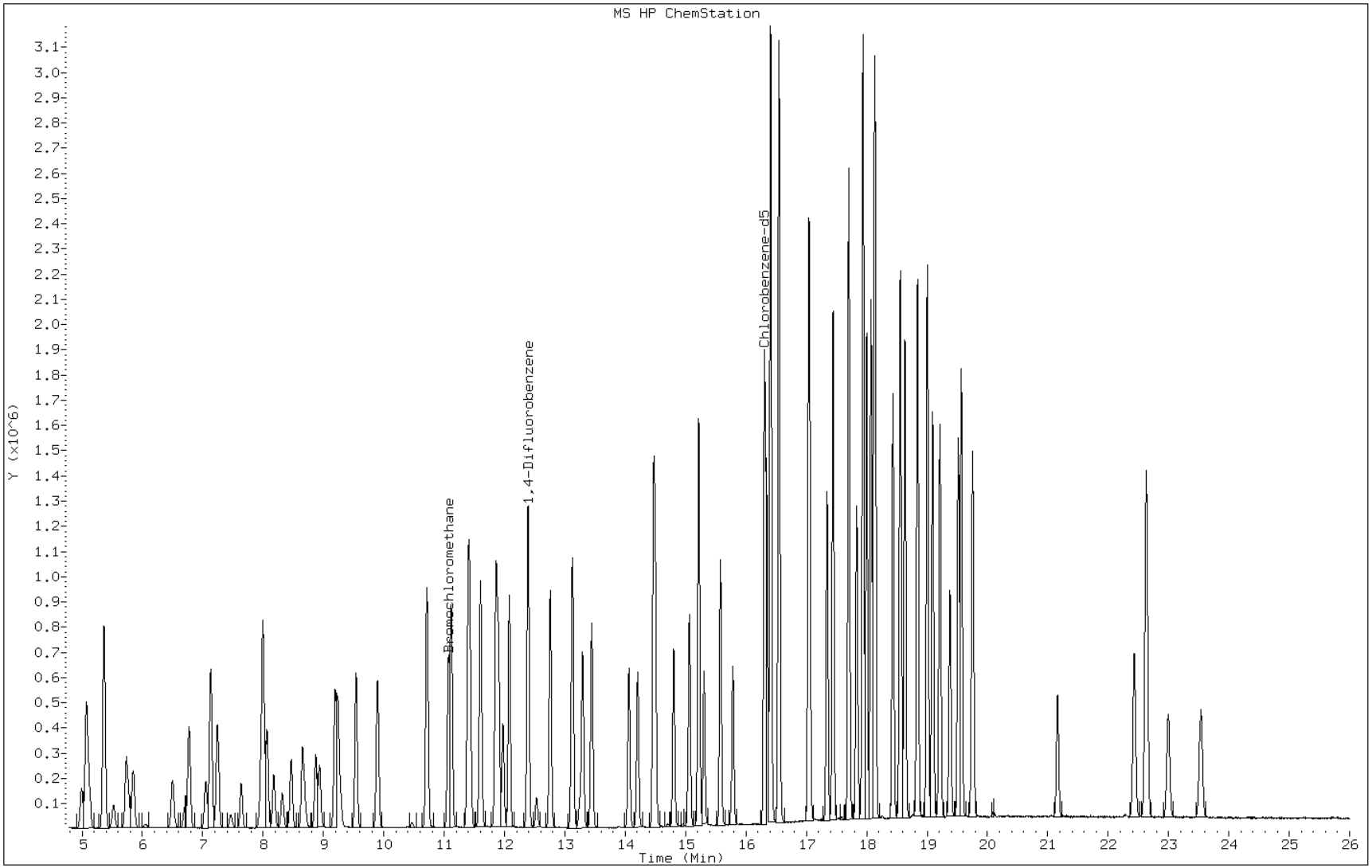
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
23	Allyl chloride	41	8.660	8.654	(0.782)	312900	10.0000	9.6(M)
25	Methylene chloride	49	8.873	8.868	(0.801)	255269	10.0000	10
26	Tert-butyl alcohol	59	8.937	8.927	(0.807)	452402	10.0000	12
27	Methyl tert-butyl ether	73	9.193	9.188	(0.830)	816239	10.0000	11
28	1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	398766	10.0000	11
30	n-Hexane	57	9.540	9.535	(0.862)	391572	10.0000	10
31	1,1-Dichloroethane	63	9.908	9.903	(0.895)	484561	10.0000	10
34	1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	267237	10.0000	9.8
36	Methyl Ethyl Ketone	72	10.709	10.714	(0.967)	110225	10.0000	10(Q)
* 37	Bromochloromethane	128	11.072	11.072	(1.000)	258134	10.0000	
38	Tetrahydrofuran	42	11.109	11.104	(0.897)	250991	10.0000	10
39	Chloroform	83	11.120	11.120	(1.004)	663512	10.0000	11
40	Cyclohexane	84	11.429	11.430	(0.922)	386369	10.0000	10
41	1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	829401	10.0000	11
42	Carbon tetrachloride	117	11.600	11.600	(0.936)	882237	10.0000	11
43	2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	1295336	10.0000	10
44	Benzene	78	11.899	11.905	(0.960)	786123	10.0000	9.9
45	1,2-Dichloroethane	62	11.974	11.979	(0.966)	517304	10.0000	11
46	n-Heptane	43	12.081	12.081	(0.975)	505925	10.0000	10
* 47	1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1384799	10.0000	
49	Trichloroethene	95	12.758	12.758	(1.030)	414028	10.0000	10
50	1,2-Dichloropropane	63	13.121	13.116	(1.059)	269545	10.0000	10
51	Methyl methacrylate	69	13.132	13.132	(1.060)	267740	10.0000	10
53	1,4-Dioxane	88	13.244	13.244	(1.069)	107042	10.0000	11
54	Bromodichloromethane	83	13.447	13.452	(1.085)	753576	10.0000	11
55	1,3-Dichloropropene (cis)	75	14.061	14.066	(1.135)	490679	10.0000	11
56	Methyl isobutyl ketone	43	14.210	14.210	(1.147)	572979	10.0000	11
58	Toluene	92	14.498	14.498	(0.889)	602852	10.0000	10
59	1,3-Dichloropropene (trans)	75	14.802	14.808	(1.195)	544285	10.0000	11
60	1,1,2-Trichloroethane	83	15.059	15.064	(0.923)	276214	10.0000	10
61	Tetrachloroethene	166	15.219	15.219	(0.933)	690098	10.0000	11
63	Dibromochloromethane	129	15.576	15.582	(0.955)	762843	10.0000	11
64	1,2-Dibromoethane	107	15.779	15.784	(0.968)	576068	10.0000	11
* 65	Chlorobenzene-d5	117	16.307	16.313	(1.000)	1346871	10.0000	
66	Chlorobenzene	112	16.345	16.350	(1.002)	889086	10.0000	10
68	Ethylbenzene	91	16.409	16.409	(1.006)	1508336	10.0000	11
69	Xylene (m,p)	106	16.548	16.548	(1.015)	1139559	20.0000	21
71	Xylene (o)	106	17.039	17.044	(1.045)	557627	10.0000	11
72	Styrene	104	17.055	17.060	(1.046)	863804	10.0000	11
73	Bromoform	173	17.343	17.348	(1.063)	828782	10.0000	12
75	1,1,2,2-Tetrachloroethane	83	17.834	17.845	(1.094)	736552	10.0000	11
79	4-Ethyltoluene	105	18.069	18.074	(1.108)	1815605	10.0000	11
80	2-Chlorotoluene	91	18.122	18.127	(1.111)	1558322	10.0000	11
81	1,3,5-Trimethylbenzene	105	18.143	18.143	(1.113)	1612547	10.0000	11
84	1,2,4-Trimethylbenzene	105	18.634	18.634	(1.143)	1566099	10.0000	11
87	1,3-Dichlorobenzene	146	19.093	19.099	(1.171)	1031516	10.0000	11
88	1,4-Dichlorobenzene	146	19.216	19.221	(1.178)	1012350	10.0000	11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
92 1,2-Dichlorobenzene	146	19.755	19.760	(1.211)	981514	10.0000	11
94 1,2,4-Trichlorobenzene	180	22.429	22.440	(1.375)	441841	10.0000	10
95 1,3-Hexachlorobutadiene	225	22.632	22.642	(1.388)	592520	10.0000	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckrh028.d	Date:	11-APR-2012 07:58
Client ID:	ccvc 316587	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvc 316587		
Lab Sample ID:	ccvc 316587		



Manual Integration Report

Data File: ckrh028.d
Lab Sample ID: ccvc 316587
Inj. Date and Time: 11-APR-2012 07:58
Instrument ID: C.i
Client ID: ccvc 316587
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/11/2012

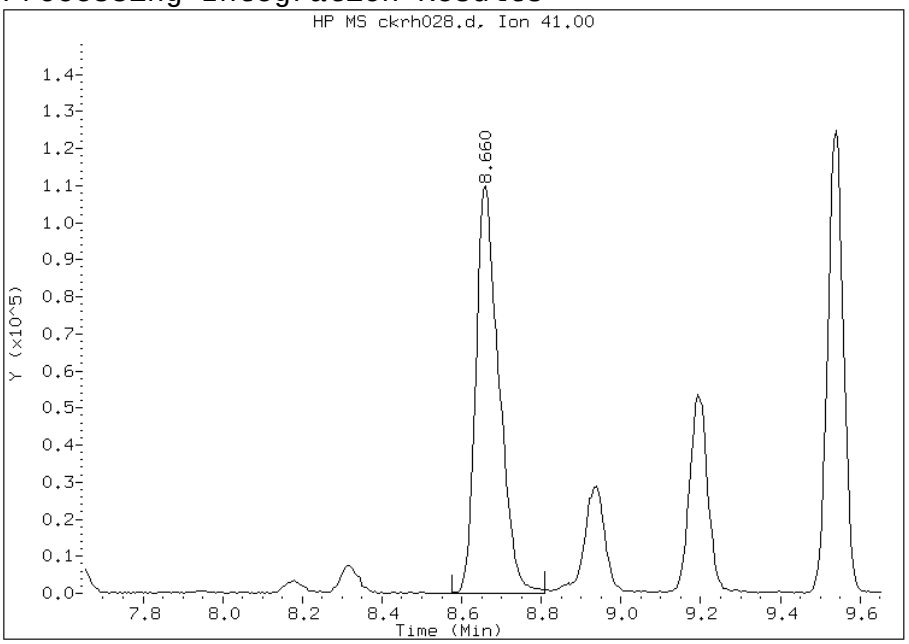
Processing Integration Results

RT: 8.66

Response: 441640

Amount: 13.59

Conc: 13.59



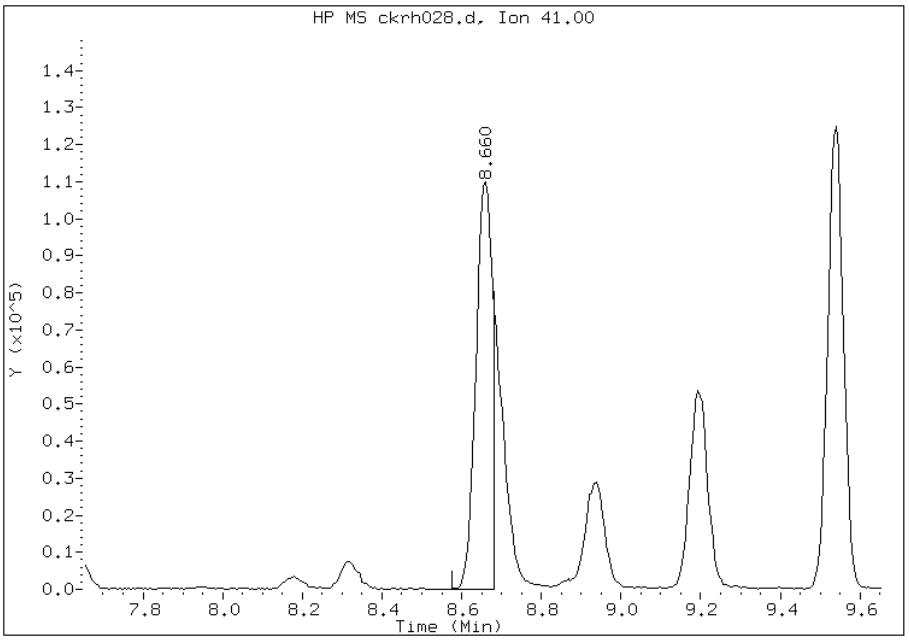
Manual Integration Results

RT: 8.66

Response: 312900

Amount: 9.63

Conc: 9.63



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckrnj.b/ckr001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 30-MAR-2012 14:51
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckrnj.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

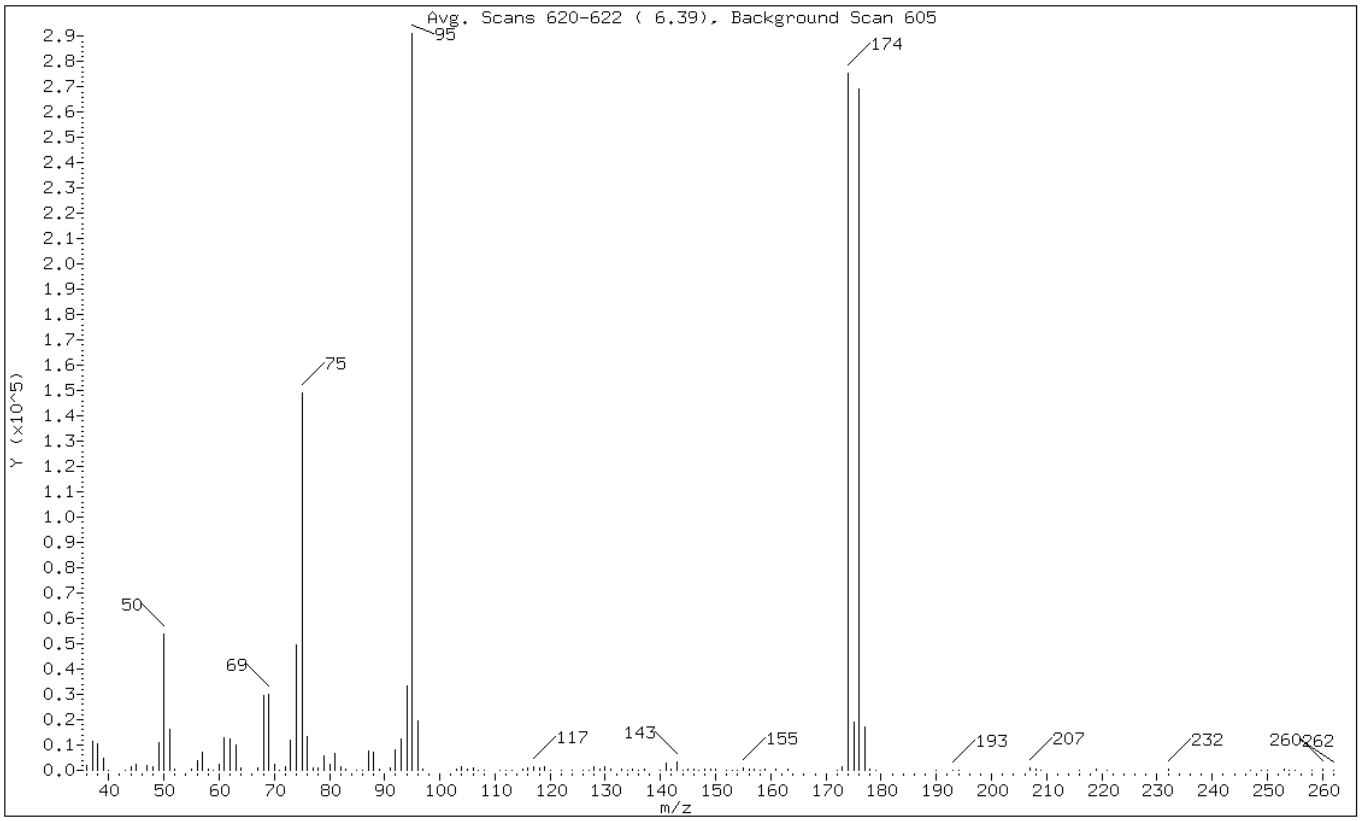
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.394	6.760	-0.366	95	291178			100.00- 100.00	100.00
6.394	6.760	-0.366	50	53765			8.00- 40.00	18.46
6.394	6.760	-0.366	75	149248			30.00- 66.00	51.26
6.394	6.760	-0.366	96	19401			5.00- 9.00	6.66
6.394	6.760	-0.366	173	1447			0.00- 2.00	0.52
6.394	6.760	-0.366	174	275669			50.00- 120.00	94.67
6.394	6.760	-0.366	175	18978			4.00- 9.00	6.88
6.394	6.760	-0.366	176	269098			93.00- 101.00	97.62
6.394	6.760	-0.366	177	17174			5.00- 9.00	6.38

Data File: ckr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 30-MAR-2012 14:51
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.46
75	30.00 - 66.00% of mass 95	51.26
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.50 (0.52)
174	50.00 - 120.00% of mass 95	94.67
175	4.00 - 9.00% of mass 174	6.52 (6.88)
176	93.00 - 101.00% of mass 174	92.42 (97.62)
177	5.00 - 9.00% of mass 176	5.90 (6.38)

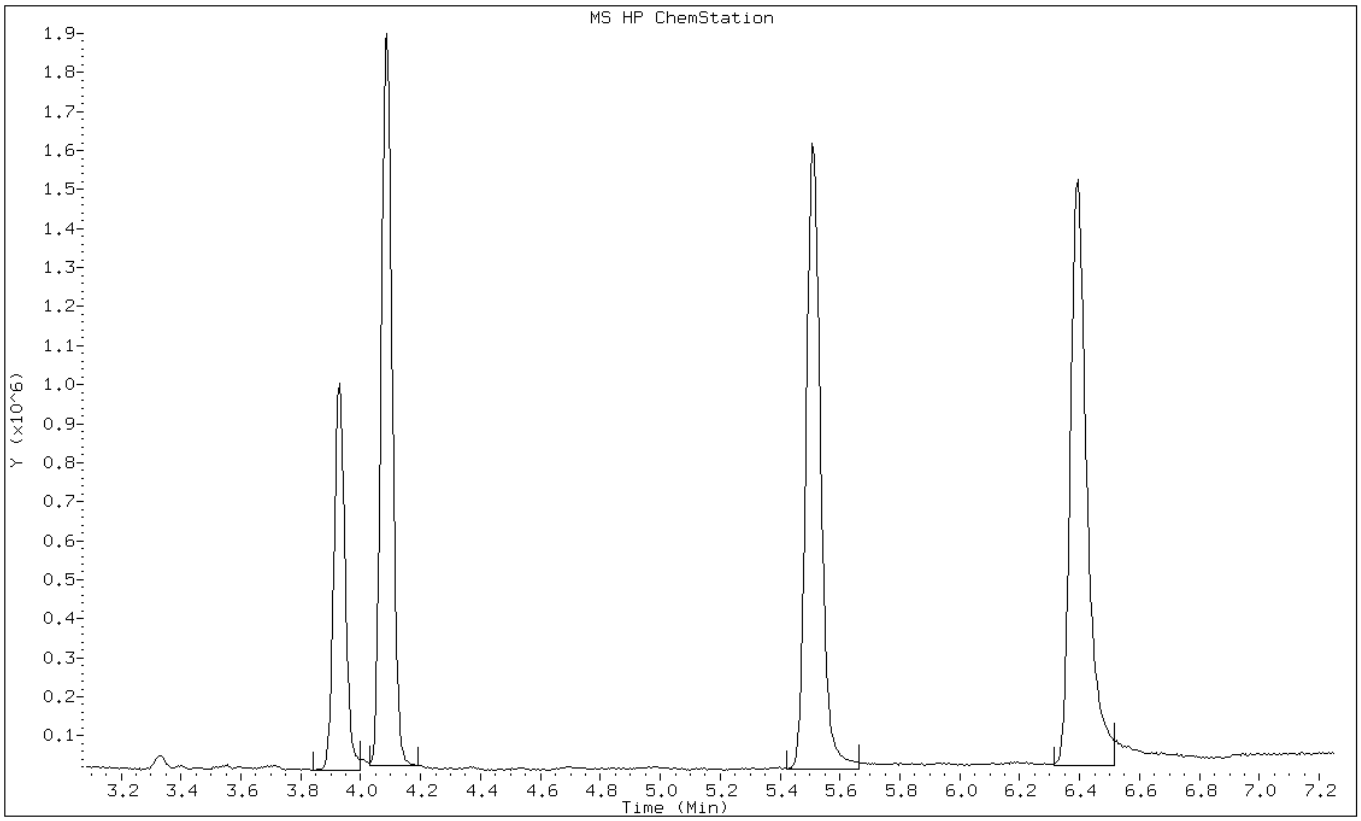
Data File: ckr001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 30-MAR-2012 14:51
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckrnj.b/ckr001.d
Spectrum: Avg. Scans 620-622 (6.39), Background Scan 605
Location of Maximum: 95.00
Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2018	76.00	13539	119.00	1397	159.00	357
37.00	11216	77.00	1050	120.00	155	161.00	425
38.00	10267	78.00	717	122.00	69	163.00	398
39.00	4715	79.00	5868	124.00	88	172.00	106
40.00	217	80.00	2171	126.00	90	173.00	1447
43.00	73	81.00	6524	127.00	78	174.00	275648
44.00	1236	82.00	1499	128.00	1196	175.00	18976
45.00	2292	83.00	453	129.00	453	176.00	269056
47.00	2013	85.00	230	130.00	1251	177.00	17168
48.00	1435	86.00	196	131.00	510	178.00	399
49.00	10744	87.00	7595	133.00	413	179.00	50
50.00	53760	88.00	7370	134.00	144	190.00	92
51.00	16288	89.00	413	135.00	438	193.00	136
52.00	664	91.00	1009	136.00	68	194.00	77
55.00	598	92.00	8108	137.00	478	207.00	862
56.00	3767	93.00	12339	140.00	231	208.00	369
57.00	7178	94.00	33400	141.00	2694	209.00	50
58.00	349	95.00	291136	142.00	375	216.00	74
59.00	148	96.00	19400	143.00	3138	219.00	364
60.00	2275	97.00	602	144.00	99	221.00	71
61.00	12750	103.00	304	145.00	363	232.00	245
62.00	12429	104.00	1259	146.00	645	247.00	99
63.00	9962	105.00	503	147.00	19	249.00	27
64.00	814	106.00	1034	148.00	713	250.00	68
67.00	742	107.00	231	149.00	516	253.00	597
68.00	29336	108.00	222	150.00	400	254.00	155
69.00	30112	111.00	94	152.00	89	255.00	85
70.00	2458	112.00	77	153.00	212	258.00	88
71.00	89	113.00	79	154.00	154	260.00	638
72.00	1403	115.00	535	155.00	891	262.00	72
73.00	12097	116.00	965	156.00	267		
74.00	49536	117.00	1452	157.00	647		
75.00	149248	118.00	1086	158.00	68		

Data File:	ckr001.d	Date:	30-MAR-2012 14:51
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-APR-2012 09:28
Operator : pad Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/bfbnj.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

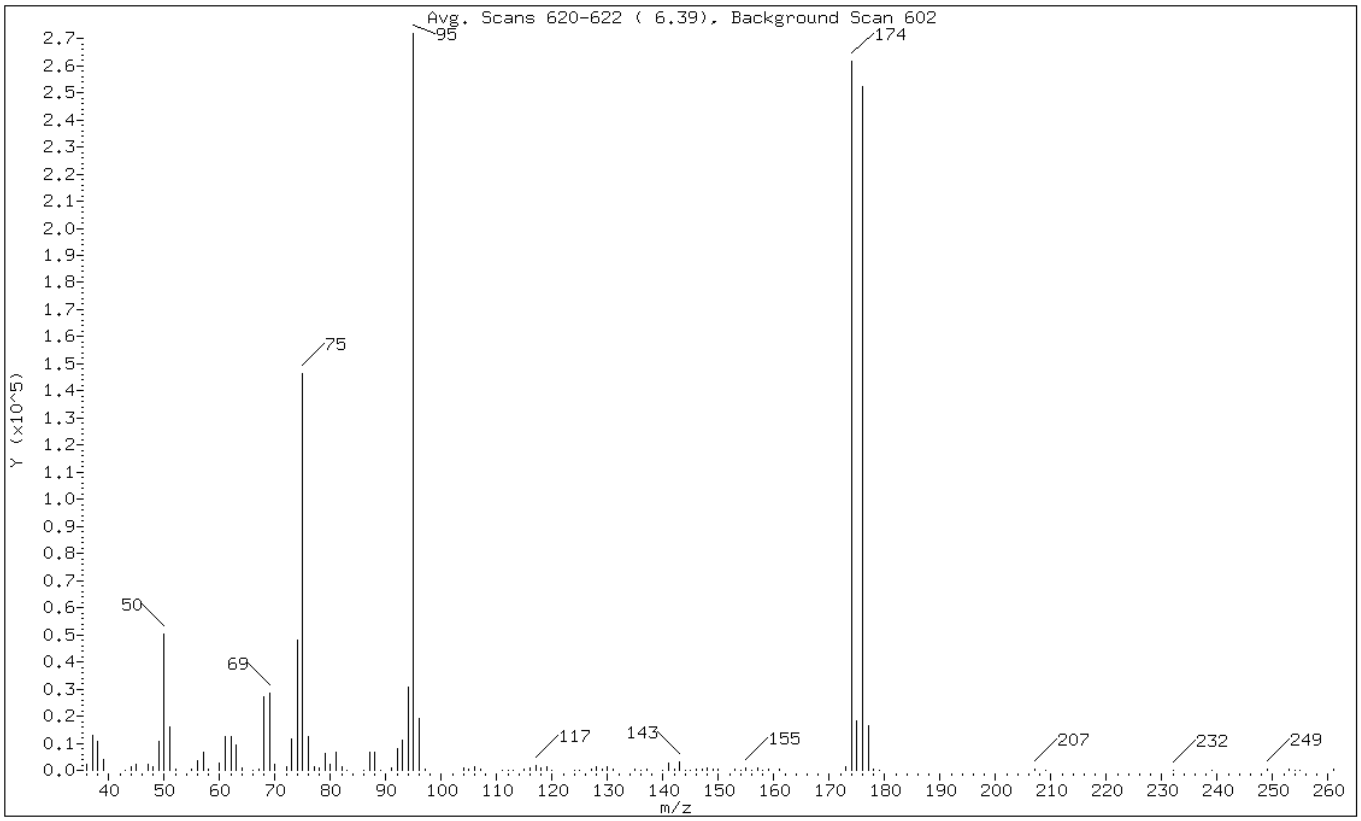
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.394	6.760	-0.366	95	271893			100.00- 100.00	100.00
6.394	6.760	-0.366	50	50164			8.00- 40.00	18.45
6.394	6.760	-0.366	75	146197			30.00- 66.00	53.77
6.394	6.760	-0.366	96	19041			5.00- 9.00	7.00
6.394	6.760	-0.366	173	1430			0.00- 2.00	0.55
6.394	6.760	-0.366	174	261632			50.00- 120.00	96.23
6.394	6.760	-0.366	175	18181			4.00- 9.00	6.95
6.394	6.760	-0.366	176	252501			93.00- 101.00	96.51
6.394	6.760	-0.366	177	16299			5.00- 9.00	6.46

Data File: ckrh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 10-APR-2012 09:28
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.45
75	30.00 - 66.00% of mass 95	53.77
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.53 (0.55)
174	50.00 - 120.00% of mass 95	96.23
175	4.00 - 9.00% of mass 174	6.69 (6.95)
176	93.00 - 101.00% of mass 174	92.87 (96.51)
177	5.00 - 9.00% of mass 176	5.99 (6.46)

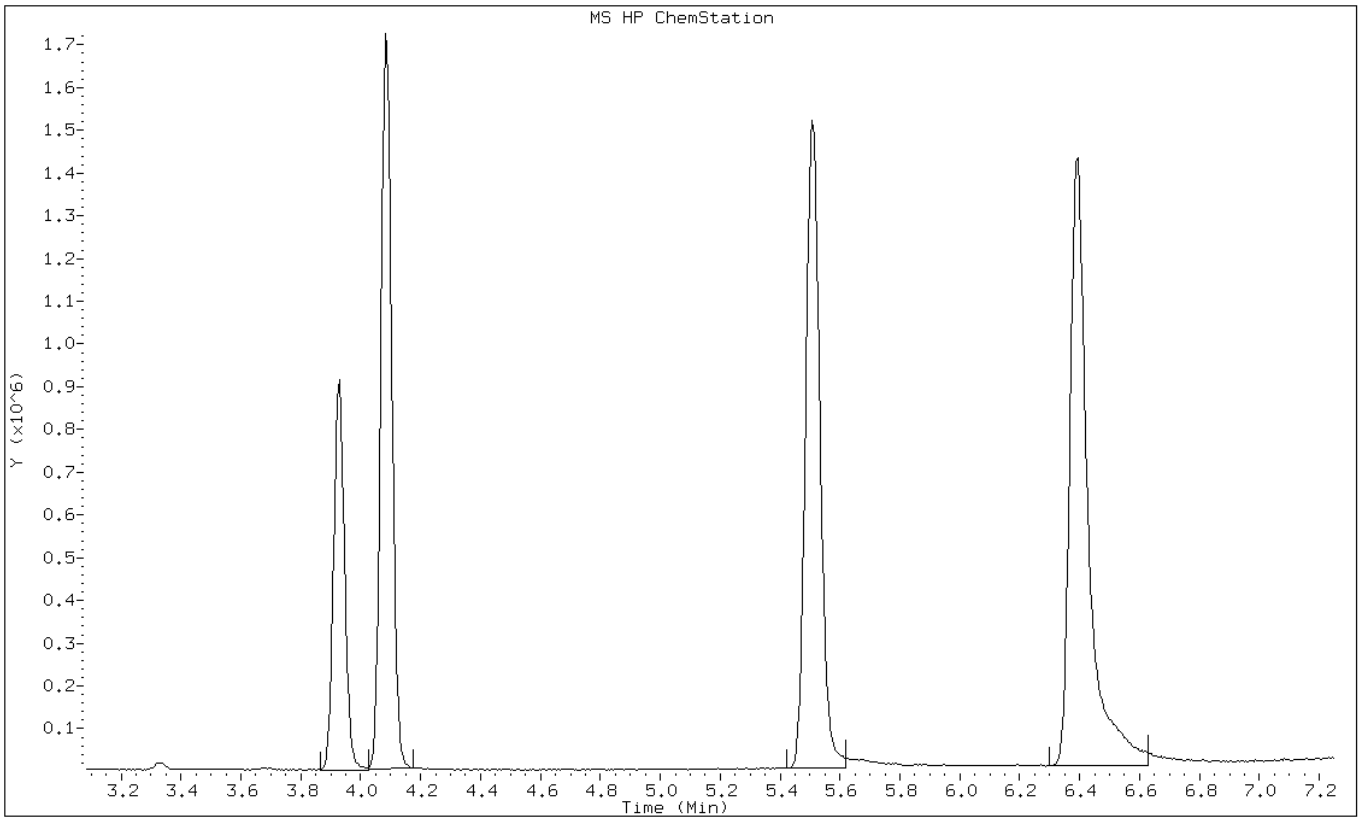
Data File: ckrh001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 10-APR-2012 09:28
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckrhto15.b/ckrh001.d
Spectrum: Avg. Scans 620-622 (6.39), Background Scan 602
Location of Maximum: 95.00
Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2074	73.00	11399	113.00	68	153.00	232
37.00	12710	74.00	48024	115.00	416	154.00	83
38.00	10616	75.00	146176	116.00	1010	155.00	933
39.00	4019	76.00	12304	117.00	1723	156.00	148
43.00	100	77.00	1332	118.00	905	157.00	687
44.00	1193	78.00	1042	119.00	1329	158.00	72
45.00	2254	79.00	6307	120.00	69	159.00	436
47.00	2147	80.00	2005	124.00	175	161.00	397
48.00	1382	81.00	6868	125.00	85	173.00	1430
49.00	10516	82.00	1520	127.00	329	174.00	261632
50.00	50160	83.00	137	128.00	1133	175.00	18176
51.00	15913	86.00	210	129.00	491	176.00	252480
52.00	633	87.00	6631	130.00	1149	177.00	16299
55.00	588	88.00	6607	131.00	388	178.00	549
56.00	3756	89.00	166	135.00	428	179.00	96
57.00	6843	91.00	781	136.00	75	207.00	381
58.00	286	92.00	7884	137.00	495	209.00	222
60.00	2650	93.00	11064	140.00	156	232.00	107
61.00	12451	94.00	30712	141.00	2856	239.00	69
62.00	12312	95.00	271872	142.00	263	249.00	264
63.00	9422	96.00	19040	143.00	3140	253.00	252
64.00	852	97.00	532	144.00	173	254.00	103
66.00	80	104.00	1017	145.00	180	255.00	157
67.00	519	105.00	441	146.00	623	261.00	244
68.00	27072	106.00	1135	147.00	352		
69.00	28560	107.00	284	148.00	786		
70.00	2323	111.00	168	149.00	393		
72.00	1400	112.00	83	150.00	413		

Data File:	ckrh001.d	Date:	10-APR-2012 09:28
Client ID:	BFB	Instrument:	C.i
Operator:	pad	Inj Vol:	0.0 (ul)
Column Type:		Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: Lab Sample ID: MB 200-36628/3

Matrix: Air Lab File ID: ckrh003.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2012 11:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.50	U	0.50	0.013
75-01-4	Vinyl chloride	0.20	U	0.20	0.029
75-00-3	Chloroethane	0.50	U	0.50	0.016
75-09-2	Methylene Chloride	0.50	U	0.50	0.013
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.035
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.031
79-01-6	Trichloroethene	0.20	U	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.019
127-18-4	Tetrachloroethene	0.20	U	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh003.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 10-APR-2012 11:10
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

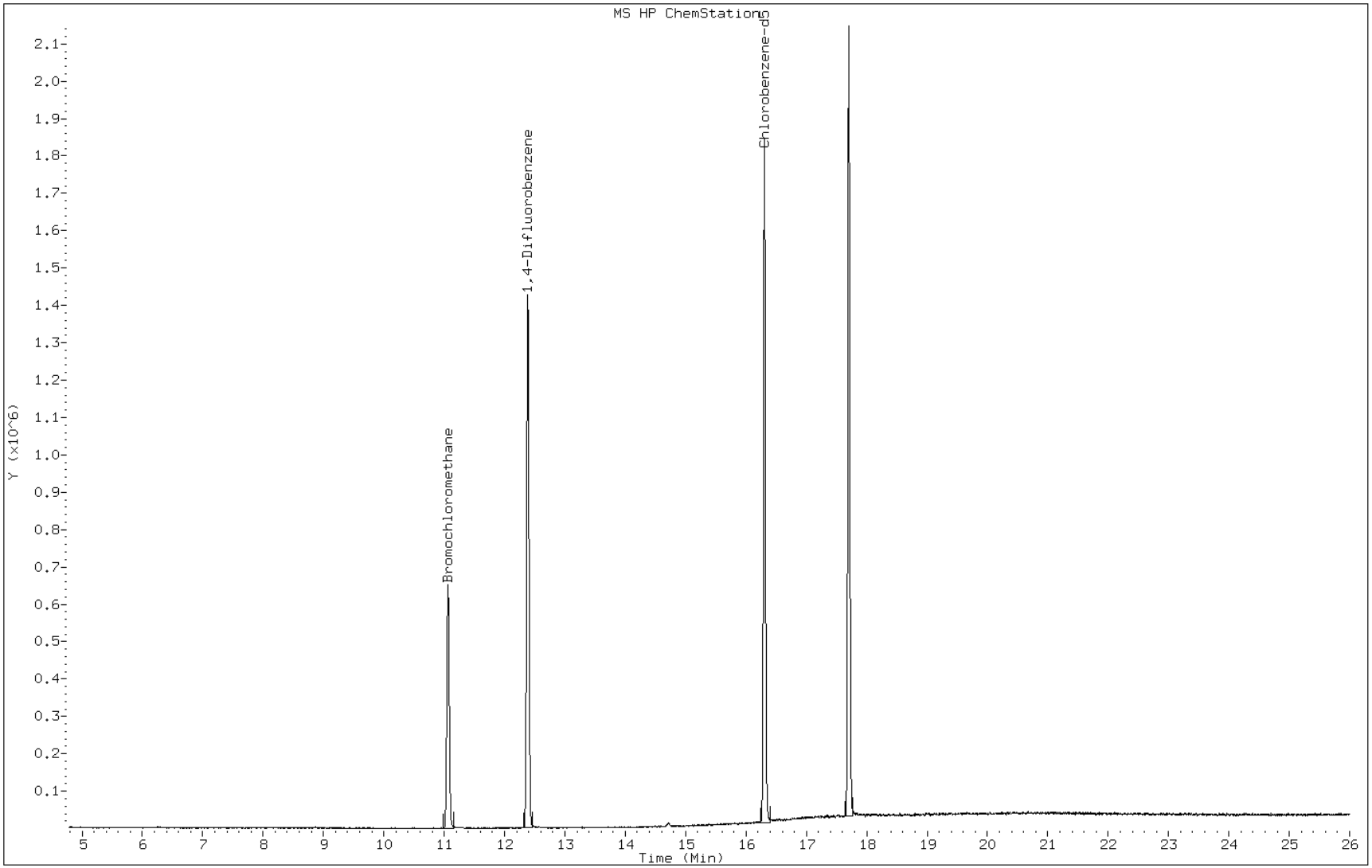
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
23	Allyl chloride	41	Compound Not Detected.						
25	Methylene chloride	49	Compound Not Detected.						
26	Tert-butyl alcohol	59	Compound Not Detected.						
27	Methyl tert-butyl ether	73	Compound Not Detected.						
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.						
30	n-Hexane	57	Compound Not Detected.						
31	1,1-Dichloroethane	63	Compound Not Detected.						
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.						
36	Methyl Ethyl Ketone	72	Compound Not Detected.						
* 37	Bromochloromethane	128	11.066	11.072	(1.000)	282877	10.0000		(Q)
38	Tetrahydrofuran	42	Compound Not Detected.						
39	Chloroform	83	Compound Not Detected.						
40	Cyclohexane	84	Compound Not Detected.						
41	1,1,1-Trichloroethane	97	Compound Not Detected.						
42	Carbon tetrachloride	117	Compound Not Detected.						
43	2,2,4-Trimethylpentane	57	Compound Not Detected.						
44	Benzene	78	Compound Not Detected.						
45	1,2-Dichloroethane	62	Compound Not Detected.						
46	n-Heptane	43	Compound Not Detected.						
* 47	1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1614701	10.0000		
49	Trichloroethene	95	Compound Not Detected.						
50	1,2-Dichloropropane	63	Compound Not Detected.						
51	Methyl methacrylate	69	Compound Not Detected.						
53	1,4-Dioxane	88	Compound Not Detected.						
54	Bromodichloromethane	83	Compound Not Detected.						
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.						
56	Methyl isobutyl ketone	43	Compound Not Detected.						
58	Toluene	92	Compound Not Detected.						
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.						
60	1,1,2-Trichloroethane	83	Compound Not Detected.						
61	Tetrachloroethene	166	Compound Not Detected.						
63	Dibromochloromethane	129	Compound Not Detected.						
64	1,2-Dibromoethane	107	Compound Not Detected.						
* 65	Chlorobenzene-d5	117	16.307	16.313	(1.000)	1410107	10.0000		
66	Chlorobenzene	112	Compound Not Detected.						
68	Ethylbenzene	91	Compound Not Detected.						
69	Xylene (m,p)	106	Compound Not Detected.						
71	Xylene (o)	106	Compound Not Detected.						
72	Styrene	104	Compound Not Detected.						
73	Bromoform	173	Compound Not Detected.						
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
79	4-Ethyltoluene	105	Compound Not Detected.						
80	2-Chlorotoluene	91	Compound Not Detected.						
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.						
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.						
87	1,3-Dichlorobenzene	146	Compound Not Detected.						
88	1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckrh003.d	Date:	10-APR-2012 11:10
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: Lab Sample ID: LCS 200-36628/4

Matrix: Air Lab File ID: ckrh004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2012 12:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	0.192	J	0.20	0.029
156-60-5	1,2-Dichloroethene, trans-	0.190	J	0.20	0.032
156-59-2	1,2-Dichloroethene, cis-	0.202		0.20	0.014
71-55-6	1,1,1-Trichloroethane	0.196	J	0.20	0.035
107-06-2	1,2-Dichloroethane	0.200		0.20	0.031
79-01-6	Trichloroethene	0.174	J	0.20	0.030
79-00-5	1,1,2-Trichloroethane	0.201		0.20	0.019
127-18-4	Tetrachloroethene	0.199	J	0.20	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.178	J	0.20	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh004.d
Lab Smp Id: lcs 303351 Client Smp ID: lcs 303351
Inj Date : 10-APR-2012 12:00
Operator : pad Inst ID: C.i
Smp Info : lcs 303351
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS002.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

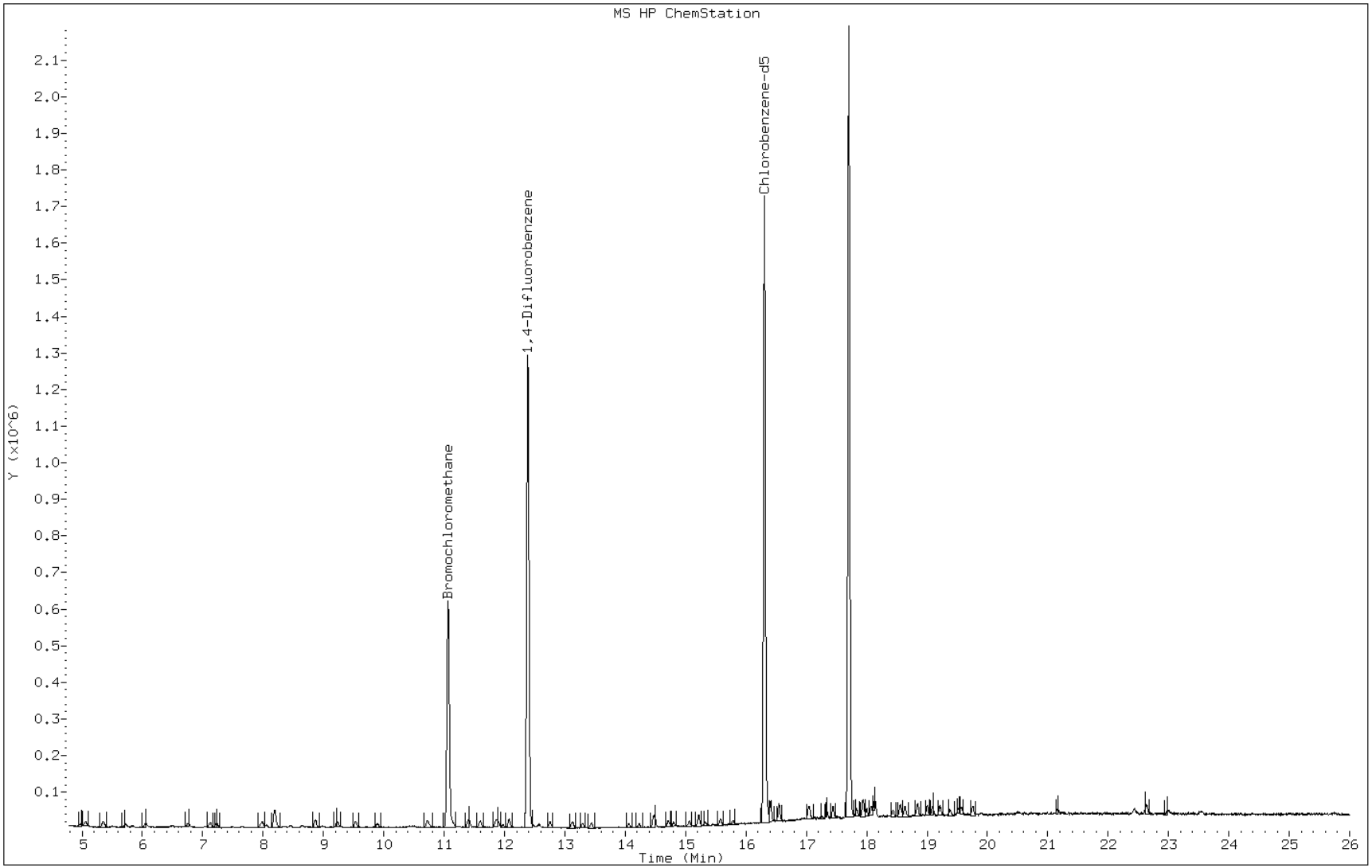
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.346	5.345	(0.483)	14005	0.19601	0.20(Q)
7 Vinyl chloride	62	5.762	5.762	(0.521)	4272	0.19155	0.19(a)
8 1,3-Butadiene	54	5.842	5.831	(0.528)	2592	0.15902	0.16(a)
9 Bromomethane	94	6.493	6.493	(0.587)	4464	0.20073	0.20
12 Vinyl bromide	106	7.048	7.043	(0.637)	3831	0.17585	0.18(a)
13 Trichlorofluoromethane	101	7.117	7.123	(0.643)	20644	0.24572	0.25
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.722)	10589	0.21084	0.21(M)
19 1,1-Dichloroethene	96	8.057	8.057	(0.728)	4932	0.21858	0.22(QM)
23 Allyl chloride	41	8.654	8.654	(0.782)	7617	0.23127	0.23(M)
27 Methyl tert-butyl ether	73	9.215	9.188	(0.833)	14788	0.18910	0.19(aM)
28 1,2-Dichloroethene (trans)	61	9.231	9.236	(0.834)	7277	0.18967	0.19(a)
30 n-Hexane	57	9.535	9.535	(0.862)	10317	0.25943	0.26
31 1,1-Dichloroethane	63	9.893	9.903	(0.894)	9316	0.19472	0.19(a)
34 1,2-Dichloroethene (cis)	96	10.730	10.725	(0.970)	5574	0.20246	0.20(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
* 37 Bromochloromethane	128	11.067	11.072	(1.000)	261660	10.0000	(Q)
39 Chloroform	83	11.120	11.120	(1.005)	12187	0.19305	0.19(a)
40 Cyclohexane	84	11.424	11.430	(0.922)	7170	0.18505	0.19(aQ)
41 1,1,1-Trichloroethane	97	11.403	11.403	(0.921)	15365	0.19634	0.20
42 Carbon tetrachloride	117	11.595	11.600	(0.936)	15500	0.19156	0.19(a)
43 2,2,4-Trimethylpentane	57	11.857	11.862	(0.957)	25026	0.18957	0.19(a)
44 Benzene	78	11.894	11.905	(0.960)	16796	0.20501	0.21
45 1,2-Dichloroethane	62	11.974	11.979	(0.967)	9614	0.20030	0.20
46 n-Heptane	43	12.070	12.081	(0.975)	11669	0.23049	0.23
* 47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1430242	10.0000	
49 Trichloroethene	95	12.748	12.758	(1.029)	7107	0.17408	0.17(a)
50 1,2-Dichloropropane	63	13.116	13.116	(1.059)	5132	0.18632	0.19(aQ)
54 Bromodichloromethane	83	13.442	13.452	(1.085)	12007	0.17169	0.17(a)
55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.136)	8551	0.17741	0.18(a)
58 Toluene	92	14.498	14.498	(0.889)	12084	0.20941	0.21(M)
59 1,3-Dichloropropene (trans)	75	14.802	14.808	(1.195)	9204	0.17600	0.18(a)
60 1,1,2-Trichloroethane	83	15.064	15.064	(0.924)	5217	0.20097	0.20(M)
61 Tetrachloroethene	166	15.208	15.219	(0.933)	12448	0.19928	0.20
63 Dibromochloromethane	129	15.576	15.582	(0.955)	11271	0.17383	0.17(a)
64 1,2-Dibromoethane	107	15.779	15.784	(0.968)	9372	0.18068	0.18(aQ)
* 65 Chlorobenzene-d5	117	16.308	16.313	(1.000)	1286867	10.0000	
66 Chlorobenzene	112	16.345	16.350	(1.002)	15858	0.19283	0.19(a)
68 Ethylbenzene	91	16.404	16.409	(1.006)	26533	0.19478	0.19(a)
69 Xylene (m,p)	106	16.542	16.548	(1.014)	18161	0.35139	0.35(a)
71 Xylene (o)	106	17.039	17.044	(1.045)	9050	0.18016	0.18(a)
72 Styrene	104	17.055	17.060	(1.046)	11164	0.14690	0.15(a)
73 Bromoform	173	17.338	17.348	(1.063)	10115	0.14918	0.15(a)
75 1,1,2,2-Tetrachloroethane	83	17.845	17.845	(1.094)	11761	0.17848	0.18(a)
79 4-Ethyltoluene	105	18.069	18.074	(1.108)	26096	0.16812	0.17(a)
80 2-Chlorotoluene	91	18.122	18.127	(1.111)	25411	0.18347	0.18(aM)
81 1,3,5-Trimethylbenzene	105	18.143	18.143	(1.113)	23220	0.16971	0.17(a)
84 1,2,4-Trimethylbenzene	105	18.634	18.634	(1.143)	21549	0.16144	0.16(a)
87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	16921	0.18580	0.19(a)
88 1,4-Dichlorobenzene	146	19.216	19.221	(1.178)	17523	0.19862	0.20
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.212)	16280	0.19085	0.19(aQ)
95 1,3-Hexachlorobutadiene	225	22.637	22.642	(1.388)	10913	0.20481	0.20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckrh004.d	Date:	10-APR-2012 12:00
Client ID:	lcs 303351	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 303351		
Lab Sample ID:	lcs 303351		



Manual Integration Report

Data File: ckrh004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 10-APR-2012 12:00
Instrument ID: C.i
Client ID: lcs 303351
Compound: 34 1,2-Dichloroethene (cis)
CAS #: 156-59-2
Report Date: 04/11/2012

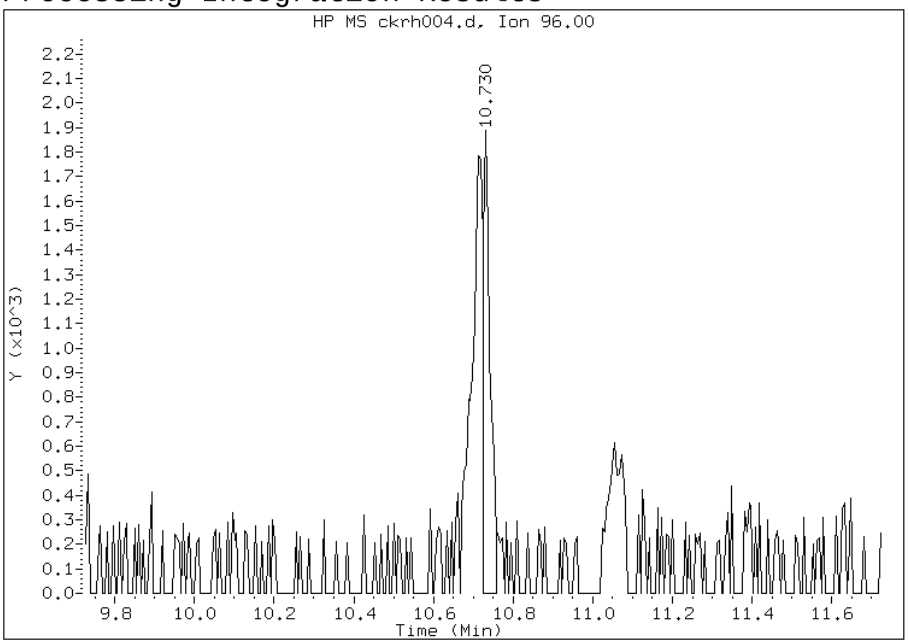
Processing Integration Results

RT: 10.73

Response: 2334

Amount: 0.084776

Conc: 0.084776



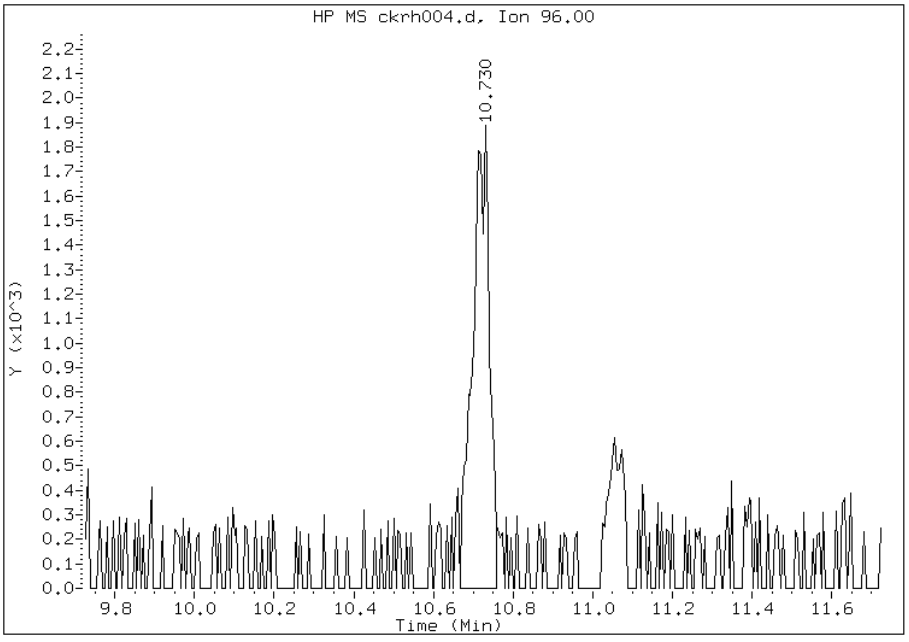
Manual Integration Results

RT: 10.73

Response: 5574

Amount: 0.202460

Conc: 0.202460



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckrh004.d
Lab Sample ID: lcs 303351
Inj. Date and Time: 10-APR-2012 12:00
Instrument ID: C.i
Client ID: lcs 303351
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 04/11/2012

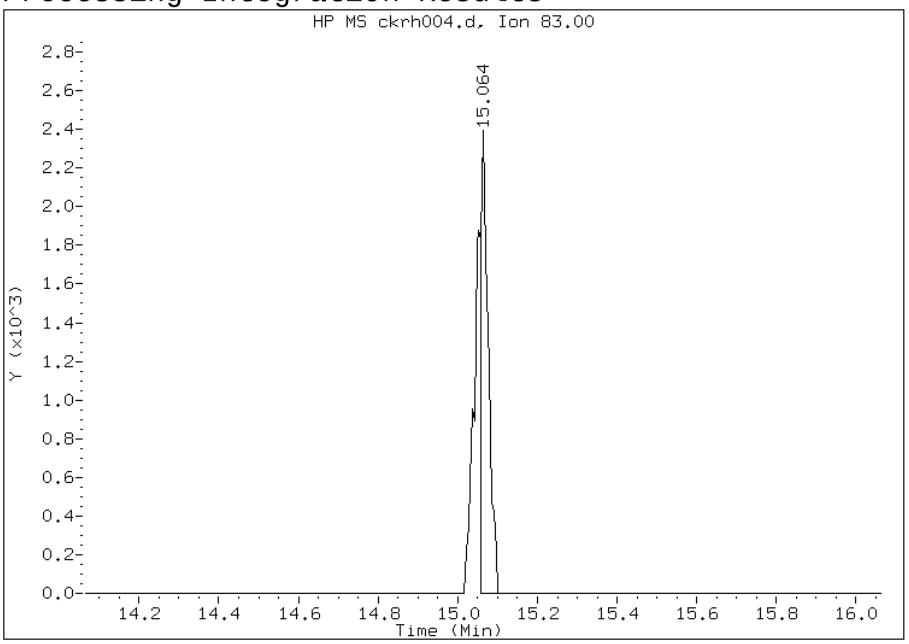
Processing Integration Results

RT: 15.06

Response: 3082

Amount: 0.118724

Conc: 0.118724



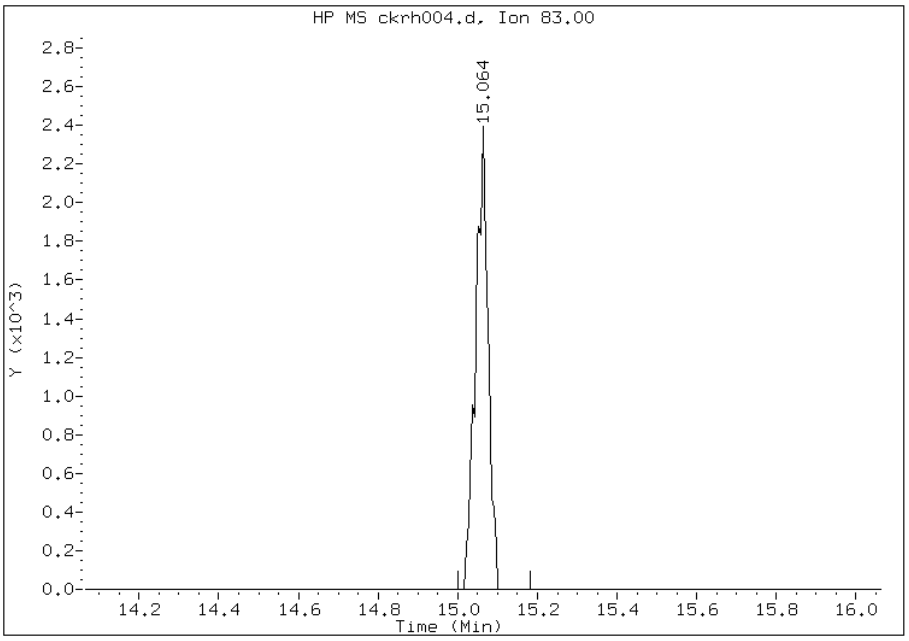
Manual Integration Results

RT: 15.06

Response: 5217

Amount: 0.200968

Conc: 0.200968



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Client Sample ID: Lab Sample ID: LCS 200-36628/5

Matrix: Air Lab File ID: ckrh005.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 04/10/2012 12:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 36628 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.654		0.50	0.013
75-00-3	Chloroethane	0.547		0.50	0.016
75-09-2	Methylene Chloride	0.936		0.50	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrhto15.b/ckrh005.d
Lab Smp Id: lcs 303354 Client Smp ID: lcs 303354
Inj Date : 10-APR-2012 12:51
Operator : pad Inst ID: C.i
Smp Info : lcs 303354
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckrhto15.b/TO15v5NJ.m
Meth Date : 11-Apr-2012 11:34 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: RLLCS005.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

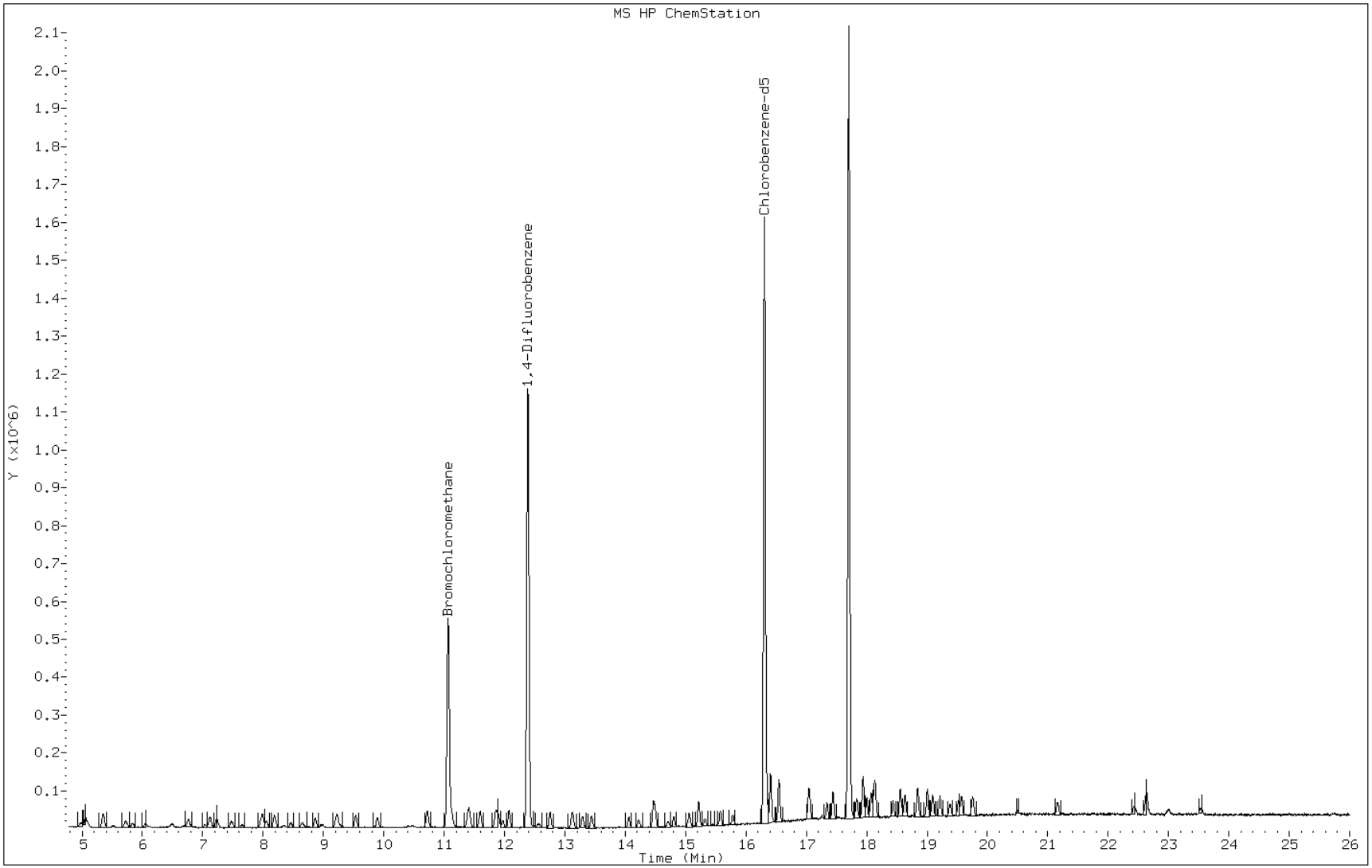
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2	Dichlorodifluoromethane	85	5.057	5.057	(0.457)	41122	0.61688	0.62
5	Chloromethane	50	5.516	5.511	(0.498)	10524	0.65396	0.65(M)
10	Chloroethane	64	6.685	6.690	(0.604)	5668	0.54750	0.55
21	Carbon disulfide	76	8.462	8.462	(0.765)	27919	0.50819	0.51
25	Methylene chloride	49	8.857	8.868	(0.800)	20740	0.93632	0.94(R)
36	Methyl Ethyl Ketone	72	10.725	10.714	(0.969)	5666	0.60823	0.61(Q)
* 37	Bromochloromethane	128	11.067	11.072	(1.000)	229028	10.0000	
* 47	1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1256752	10.0000	
51	Methyl methacrylate	69	13.137	13.132	(1.061)	9256	0.39871	0.40(aQ)
56	Methyl isobutyl ketone	43	14.226	14.210	(1.149)	21391	0.46102	0.46(a)
* 65	Chlorobenzene-d5	117	16.307	16.313	(1.000)	1183180	10.0000	
94	1,2,4-Trichlorobenzene	180	22.445	22.440	(1.376)	15500	0.41076	0.41(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: ckrh005.d
Client ID: lcs 303354
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 303354
Lab Sample ID: lcs 303354

Date: 10-APR-2012 12:51
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: ckrh005.d
Lab Sample ID: lcs 303354
Inj. Date and Time: 10-APR-2012 12:51
Instrument ID: C.i
Client ID: lcs 303354
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 04/11/2012

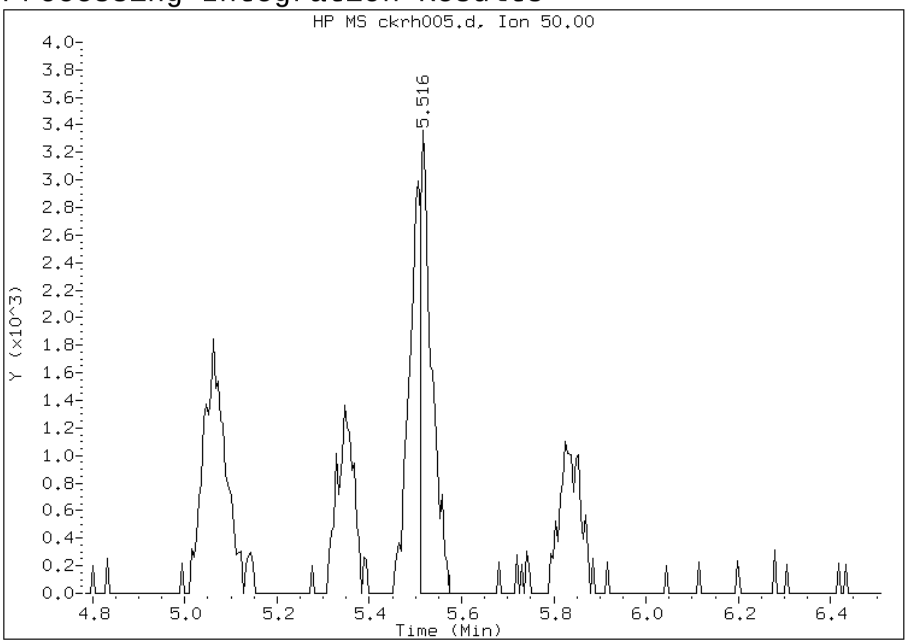
Processing Integration Results

RT: 5.52

Response: 5945

Amount: 0.369428

Conc: 0.369428



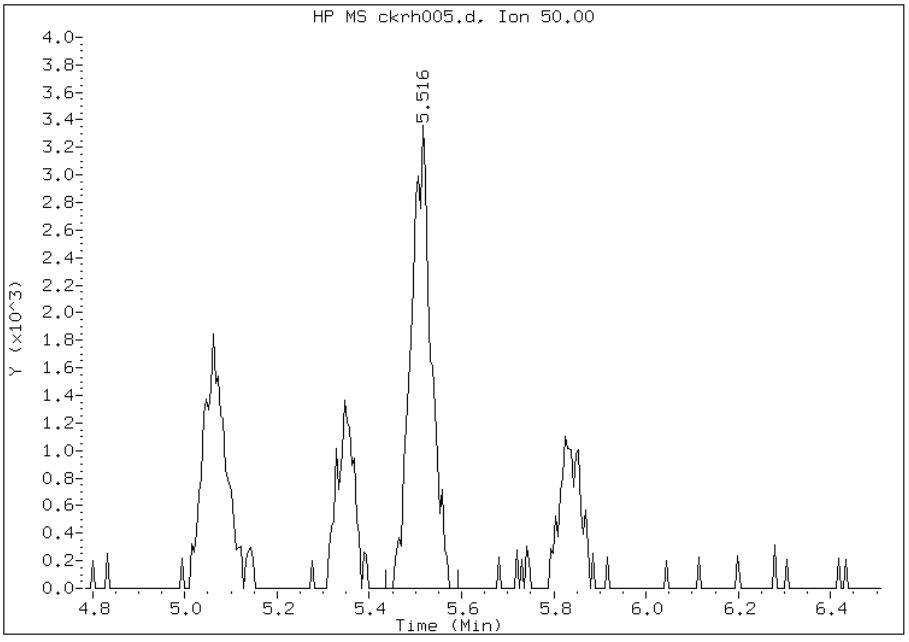
Manual Integration Results

RT: 5.52

Response: 10524

Amount: 0.653960

Conc: 0.653960



File Uploaded By: pd
Manual Integration Reason: Baseline event

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CKR	Start Date: 1451 ↔ Time: 3/30/12	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 1451 ↔ Time: 3/31/12	CCV Container ID: see comments	Instrument: 5973
ICAL Date: 3/30/12	PAD 4/02/12	ICV/LCS Container ID: 311643	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Paul Daigle — Mark Phillips — Angela H. Hoerner
P.A.D. PAD — Mark Phillips — Angela H. Hoerner AHH

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1451	CKR001	NA	BFB	NA	NA	NA	AHH	NA	✓	AHH	ok
1543	002	4633	vblk	1	1	200		✓	✓	PAD	
1632	003	5015	IC level 8		2	40		N/A	✓		303351
1722	004	5015	IC level 1		3	200			✓		303354.1
1812	005	4837	IC level 2		4	200			✓		~~302584~~ 303354
1902	006	3535	IC level 3		5	200			✓		302595
1952	007	2603	ICIS lev 4		6	200			✓		302576
2041	008	3089	IC level 5		7	200			✓		302594
2130	009	2857	IC level 6		8	200			✓		302553
2220	010	3155	IC level 7		9	200			✓		302540
2310	011	4633	vblk		1			✓	✓		
2354	012	4633	vblk		1			✓	✓		
0049	013	2960	ICV		9			✓	✓		311643 ok 74
0138	014	4633	vblk		1			✓	✓		
0228	015	2960	ICV		9			✓	✓		311643 not needed

AHH 3/30/12

PAD 3/31/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

36628

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: CKRH	Start Date: 4/10/12	Time: 0928	ISTD Container ID: 248052	Instrument ID: C
Test Method: NJ_LL	End Date: 4/11/12	Time: 0928	CCV Container ID: 302576	Instrument: 5973
ICAL Date: 03/30/12			ICV/LCS Container ID: See comments	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Paul Daigle PAD — Mark Phillips Mark Phillips — William DesJardins

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
0928	CKRH001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1019	002	2603	CCVIS		1	200			✓		AG
1110	003	4633	MB		2	200		✓	✓		
1200	004	5015	0.2RLLCS		3	200		✓	✓		AG 303351
1251	005	4837	0.5RLLCS		4	200		✓	✓		AG 303354
1341	006	3535	5.0RLLCS		5	200		✓	✓		AG 302595
1431	007	3420	10134-01	1.5	6	133		✓	✓	WRD	IPA E TICS ✓ C
1521	008	4372	-02	1.5	7	133		✓	✓		IPA E C
1611	009	4557	10127-01	1	8	200		✓	✓	PAD	C
1701	010	2723	-02	1	9	200		✓	✓		C
1751	011	3219	-03	10	10	20		✓	✓		C
1840	012	4074	-04	10	11	20		✓	✓		C
1930	013	2889	10133-01	1	12	200		✓	✓		TICS ✓ C
2020	014	2948	-02		13			✓	✓		C
2109	015	2883	-03		14			✓	✓		C
2159	016	4311	10211-01	1	15	200		✓	✓		TICS ✓ C
2248	017	2863	-02		16			✓	✓		C
2338	018	5709	-03		1			✓	✓		IPA E C
0028	019	2534	-04		2			✓	✓		IPA E C
0118	020	5036	-05		3			✓	✓		C
0208	021	3081	10243-01	10	4	200		✓	↑ ✓		cdf 10.01 TICS ✓ C
0258	022		-01	50.1	4	40		✓	✓		C
0348	023	2789	-02	10	5	20		✓	✓		C
0438	024	4092	10229-1	1	6	200	WRD	✓	✓		IPA E TICS ✓ C
0528	025	4277	-2		7			✓	✓		C
0618	026	2483	-3		8			✓	✓		C
	027	4998	-4		9						
		2564	10255-1	0.64	10	500					
					11	200					

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence				Standard Traceability	Instrument Information
Target Batch ID: CKRH	Start Date: 4/10/12	Time: 0928		ISTD Container ID:	Instrument ID: C
Test Method: NJ-LL	End Date: 4/11/12	Time: 0928		CCV Container ID:	Instrument: 5973
ICAL Date: 03/30/12				ICV/LCS Container ID:	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
0708	CKRH002	2884	10259-1	0.4	9	500	URV	✓	✓	PAD	
0758	928	3040	CCVC316587	NA	10	200	1	✓	✓	✓	

PAD 4/11/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Start Date: 03/30/2012 14:51

Analysis Batch Number: 36189 End Date: 03/31/2012 02:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-36189/1		03/30/2012 14:51	1	ckr001.d	RTX-624 0.32(mm)
VIBLK 200-36189/2		03/30/2012 15:43	1		RTX-624 0.32(mm)
IC 200-36189/3		03/30/2012 16:32	1	ckr003.d	RTX-624 0.32(mm)
IC 200-36189/4		03/30/2012 17:22	1	ckr004.d	RTX-624 0.32(mm)
IC 200-36189/5		03/30/2012 18:12	1	ckr005.d	RTX-624 0.32(mm)
IC 200-36189/6		03/30/2012 19:02	1	ckr006.d	RTX-624 0.32(mm)
ICIS 200-36189/7		03/30/2012 19:52	1	ckr007.d	RTX-624 0.32(mm)
IC 200-36189/8		03/30/2012 20:41	1	ckr008.d	RTX-624 0.32(mm)
IC 200-36189/9		03/30/2012 21:30	1	ckr009.d	RTX-624 0.32(mm)
IC 200-36189/10		03/30/2012 22:20	1	ckr010.d	RTX-624 0.32(mm)
ZZZZZ		03/30/2012 23:10	1		RTX-624 0.32(mm)
ZZZZZ		03/30/2012 23:59	1		RTX-624 0.32(mm)
ICV 200-36189/13		03/31/2012 00:49	1	ckr013.d	RTX-624 0.32(mm)
ZZZZZ		03/31/2012 01:38	1		RTX-624 0.32(mm)
ZZZZZ		03/31/2012 02:28	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-10127-1

SDG No.: 200-10127-1

Instrument ID: C.i Start Date: 04/10/2012 09:28

Analysis Batch Number: 36628 End Date: 04/11/2012 07:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-36628/1		04/10/2012 09:28	1	ckrh001.d	RTX-624 0.32(mm)
CCVIS 200-36628/2		04/10/2012 10:19	1	ckrh002.d	RTX-624 0.32(mm)
MB 200-36628/3		04/10/2012 11:10	1	ckrh003.d	RTX-624 0.32(mm)
LCS 200-36628/4		04/10/2012 12:00	1	ckrh004.d	RTX-624 0.32(mm)
LCS 200-36628/5		04/10/2012 12:51	1	ckrh005.d	RTX-624 0.32(mm)
LCS 200-36628/6		04/10/2012 13:41	1	ckrh006.d	RTX-624 0.32(mm)
ZZZZZ		04/10/2012 14:31	1.5		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 15:21	1.5		RTX-624 0.32(mm)
200-10127-1	BLDG602 AA-2	04/10/2012 16:11	1	ckrh009.d	RTX-624 0.32(mm)
200-10127-2	BLDG602 IA-3	04/10/2012 17:01	1	ckrh010.d	RTX-624 0.32(mm)
200-10127-3	BLDG602 SS-4	04/10/2012 17:51	10	ckrh011.d	RTX-624 0.32(mm)
200-10127-4	BLDG602 SS-5	04/10/2012 18:40	10	ckrh012.d	RTX-624 0.32(mm)
ZZZZZ		04/10/2012 19:30	1		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 20:20	1		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 21:09	1		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 21:59	1		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 22:48	1		RTX-624 0.32(mm)
ZZZZZ		04/10/2012 23:38	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 00:28	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 01:18	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 02:08	10		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 02:58	50.1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 03:48	10		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 04:38	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 05:28	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 06:18	1		RTX-624 0.32(mm)
ZZZZZ		04/11/2012 07:08	0.4		RTX-624 0.32(mm)
CCVC 200-36628/28		04/11/2012 07:58	1	ckrh028.d	RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Bureau Veritas	10127	4/12/12	1555	29.1	22	64	AHL

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	—		
(2) Is the flow controller ID used for each canister recorded?	—		
(3) Is visible sign of damage to canister and/or flow controller (FC) present?		—	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[5]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	4557	-4.0	N	3854	Y	3091 CKQV	24 hr
2	2723	-5.7	N	5219	"	4367 CKQV	"
3	3219	-4.5	N	4640	"	4307 CKQV	200 mL/min
4	4074	-3.8	N	5321	"	"	"

AHL 4/12/12

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # 49, 30

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test							
System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TOP	5	3/22/12	SML	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4918	-24.2	-29.5	-29.5	0.0
2	4378				
3	3483				
4	4092				
5	4804				
6	5112				
7	4277				
8	5031				
9	4022				
10	4557				
11	3081				
12	2780	—	↓	↓	↓

Initial Reading		Final Reading	
Gauge ID:	G1	Gauge ID:	G1
Date:	3/23/12	Date:	3/27/12
Time:	1300	Time:	1000
Tech:	WP	Tech:	SML
BP:	29.4 ("Hg)	BP:	29.7 ("Hg)
Temp	22 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☒ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3081	3/26/12	CLQV	AHK				X		03/28/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments: Please Cert For TO15NJ_LL

Pre-Shipment Clean Canister Certification Report

Certification Type: ☒ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
TOP	15	3/23/12	UP	(6L)	1L	3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	3000	-29.5	-28.9	-28.9	0.0
2	2671				
3	4307				
4	2703				
5	2723				
6	3304				
7	3219				
8	4067				
9	5106				
10	4074				
11	4912				
12	2659	↓	↓	↓	↓

Initial Reading			Final Reading		
Gauge ID:	G1		Gauge ID:	G1	
Date:	3/26/12		Date:	3/28/12	
Time:	0830		Time:	1000	
Tech:	SmL		Tech:	SmL	
BP:	29.7	("Hg)	BP:	29.1	("Hg)
Temp	22	(°C)	Temp:	22	(°C)

[3]Acceptance Criteria:
(1) The difference must be less than or equal to + 0.5
(2) Pressure readings must be at least 24 hours apart.
If time frame was not met, the PM must authorize shipment of canister:
PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☒ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
4307	3/26/12	CKQV	AHK				X		03/28/12	KW

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-9998-A-3
4307
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/27/2012 12:00 AM 200-309674

Loc: 200
9998
#3
A

04/13/2012

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv005.d

Lab ID: LCS 200-35732/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.205 J	102	60-140	
Vinyl chloride	0.200	0.173 J	86	60-140	
1,3-Butadiene	0.200	0.151 J	75	60-140	
Bromomethane	0.200	0.182 J	91	60-140	
Vinyl bromide	0.200	0.166 J	83	60-140	
Trichlorofluoromethane	0.200	0.264 J	132	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.194 J	97	60-140	
1,1-Dichloroethene	0.200	0.172 J	86	60-140	
Allyl chloride	0.200	0.190 J	95	60-140	
Methyl tert-butyl ether	0.200	0.216 J	108	60-140	
1,2-Dichloroethene, trans-	0.200	0.188 J	94	60-140	
n-Hexane	0.200	0.177 J	88	60-140	
1,1-Dichloroethane	0.200	0.194 J	97	60-140	
1,2-Dichloroethene, cis-	0.200	0.202 J	101	60-140	
Chloroform	0.200	0.216 J	108	60-140	
1,1,1-Trichloroethane	0.200	0.257 J	128	60-140	
Cyclohexane	0.200	0.164 J	82	60-140	
Carbon tetrachloride	0.200	0.261 J	130	60-140	
2,2,4-Trimethylpentane	0.200	0.183 J	91	60-140	
Benzene	0.200	0.183 J	91	60-140	
1,2-Dichloroethane	0.200	0.256 J	128	60-140	
n-Heptane	0.200	0.199 J	100	60-140	
Trichloroethene	0.200	0.193 J	96	60-140	
1,2-Dichloropropane	0.200	0.176 J	88	60-140	
Bromodichloromethane	0.200	0.197 J	98	60-140	
1,3-Dichloropropene, cis-	0.200	0.195 J	97	60-140	
Toluene	0.200	0.177 J	88	60-140	
1,3-Dichloropropene, trans-	0.200	0.215 J	107	60-140	
1,1,2-Trichloroethane	0.200	0.176 J	88	60-140	
Tetrachloroethene	0.200	0.186 J	93	60-140	
Dibromochloromethane	0.200	0.173 J	86	60-140	
1,2-Dibromoethane	0.200	0.170 J	85	60-140	
Chlorobenzene	0.200	0.187 J	93	60-140	
Ethylbenzene	0.200	0.189 J	94	60-140	
m-Xylene & p-Xylene	0.401	0.340 J	85	60-140	
o-Xylene	0.200	0.180 J	90	60-140	
Styrene	0.200	0.159 J	80	60-140	
Bromoform	0.200	0.170 J	85	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.172 J	86	60-140	
4-Ethyltoluene	0.200	0.175 J	87	60-140	
1,3,5-Trimethylbenzene	0.200	0.186 J	93	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv005.d

Lab ID: LCS 200-35732/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.202 J	101	60-140	
1,2,4-Trimethylbenzene	0.200	0.187 J	93	60-140	
1,3-Dichlorobenzene	0.200	0.187 J	93	60-140	
1,4-Dichlorobenzene	0.200	0.190 J	95	60-140	
1,2-Dichlorobenzene	0.200	0.184 J	92	60-140	
Hexachlorobutadiene	0.200	0.212 J	106	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv006.d

Lab ID: LCS 200-35732/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.635 J	127	60-140	
Chloromethane	0.500	0.497 J	99	60-140	
Chloroethane	0.500	0.429 J	86	60-140	
Carbon disulfide	0.500	0.430 J	86	60-140	
Methylene Chloride	0.500	0.552 J	110	60-140	
Methyl Ethyl Ketone	0.500	0.431 J	86	60-140	
Methyl methacrylate	0.500	0.412 J	82	60-140	
methyl isobutyl ketone	0.500	0.501 J	100	60-140	
1,2,4-Trichlorobenzene	0.500	0.355 J	71	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv007.d

Lab ID: LCS 200-35732/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.03	121	60-140	
Isopropanol	4.99	5.93 J	119	60-140	
tert-Butyl alcohol	4.99	6.20	124	60-140	
Tetrahydrofuran	4.99	5.60	112	60-140	
1,4-Dioxane	4.99	5.03	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv005.d

Lab ID: LCS 200-35732/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,2-Dichlorotetrafluoroethane	0.200	0.205 J	102	60-140	
Vinyl chloride	0.200	0.173 J	86	60-140	
1,3-Butadiene	0.200	0.151 J	75	60-140	
Bromomethane	0.200	0.182 J	91	60-140	
Vinyl bromide	0.200	0.166 J	83	60-140	
Trichlorofluoromethane	0.200	0.264 J	132	60-140	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.200	0.194 J	97	60-140	
1,1-Dichloroethene	0.200	0.172 J	86	60-140	
Allyl chloride	0.200	0.190 J	95	60-140	
Methyl tert-butyl ether	0.200	0.216 J	108	60-140	
1,2-Dichloroethene, trans-	0.200	0.188 J	94	60-140	
n-Hexane	0.200	0.177 J	88	60-140	
1,1-Dichloroethane	0.200	0.194 J	97	60-140	
1,2-Dichloroethene, cis-	0.200	0.202 J	101	60-140	
Chloroform	0.200	0.216 J	108	60-140	
1,1,1-Trichloroethane	0.200	0.257 J	128	60-140	
Cyclohexane	0.200	0.164 J	82	60-140	
Carbon tetrachloride	0.200	0.261 J	130	60-140	
2,2,4-Trimethylpentane	0.200	0.183 J	91	60-140	
Benzene	0.200	0.183 J	91	60-140	
1,2-Dichloroethane	0.200	0.256 J	128	60-140	
n-Heptane	0.200	0.199 J	100	60-140	
Trichloroethene	0.200	0.193 J	96	60-140	
1,2-Dichloropropane	0.200	0.176 J	88	60-140	
Bromodichloromethane	0.200	0.197 J	98	60-140	
1,3-Dichloropropene, cis-	0.200	0.195 J	97	60-140	
Toluene	0.200	0.177 J	88	60-140	
1,3-Dichloropropene, trans-	0.200	0.215 J	107	60-140	
1,1,2-Trichloroethane	0.200	0.176 J	88	60-140	
Tetrachloroethene	0.200	0.186 J	93	60-140	
Dibromochloromethane	0.200	0.173 J	86	60-140	
1,2-Dibromoethane	0.200	0.170 J	85	60-140	
Chlorobenzene	0.200	0.187 J	93	60-140	
Ethylbenzene	0.200	0.189 J	94	60-140	
m-Xylene & p-Xylene	0.401	0.340 J	85	60-140	
o-Xylene	0.200	0.180 J	90	60-140	
Styrene	0.200	0.159 J	80	60-140	
Bromoform	0.200	0.170 J	85	60-140	
1,1,2,2-Tetrachloroethane	0.200	0.172 J	86	60-140	
4-Ethyltoluene	0.200	0.175 J	87	60-140	
1,3,5-Trimethylbenzene	0.200	0.186 J	93	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv005.d

Lab ID: LCS 200-35732/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
2-Chlorotoluene	0.200	0.202 J	101	60-140	
1,2,4-Trimethylbenzene	0.200	0.187 J	93	60-140	
1,3-Dichlorobenzene	0.200	0.187 J	93	60-140	
1,4-Dichlorobenzene	0.200	0.190 J	95	60-140	
1,2-Dichlorobenzene	0.200	0.184 J	92	60-140	
Hexachlorobutadiene	0.200	0.212 J	106	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv006.d

Lab ID: LCS 200-35732/6 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	0.500	0.635 J	127	60-140	
Chloromethane	0.500	0.497 J	99	60-140	
Chloroethane	0.500	0.429 J	86	60-140	
Carbon disulfide	0.500	0.430 J	86	60-140	
Methylene Chloride	0.500	0.552 J	110	60-140	
Methyl Ethyl Ketone	0.500	0.431 J	86	60-140	
Methyl methacrylate	0.500	0.412 J	82	60-140	
methyl isobutyl ketone	0.500	0.501 J	100	60-140	
1,2,4-Trichlorobenzene	0.500	0.355 J	71	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckqv007.d

Lab ID: LCS 200-35732/7 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Acetone	4.99	6.03	121	60-140	
Isopropanol	4.99	5.93 J	119	60-140	
tert-Butyl alcohol	4.99	6.20	124	60-140	
Tetrahydrofuran	4.99	5.60	112	60-140	
1,4-Dioxane	4.99	5.03	101	60-140	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab File ID: ckqv004.d Lab Sample ID: MB 200-35732/4

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

Instrument ID: C.i Date Analyzed: 03/26/2012 12:54

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35732/5	ckqv005.d	03/26/2012 13:44
	LCS 200-35732/6	ckqv006.d	03/26/2012 14:34
	LCS 200-35732/7	ckqv007.d	03/26/2012 15:32
3081	200-9970-11	ckqv011.d	03/26/2012 18:51

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-9970-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-35732/4

Matrix: Air | Lab File ID: ckqv004.d

Analysis Method: TO15LL/NJ | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 03/26/2012 12:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 35732 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-35732/4

Matrix: Air Lab File ID: ckqv004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/26/2012 12:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqvto15.b/ckqv004.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 26-MAR-2012 12:54
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqvto15.b/TO15v5NJ.m
Meth Date : 27-Mar-2012 11:10 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

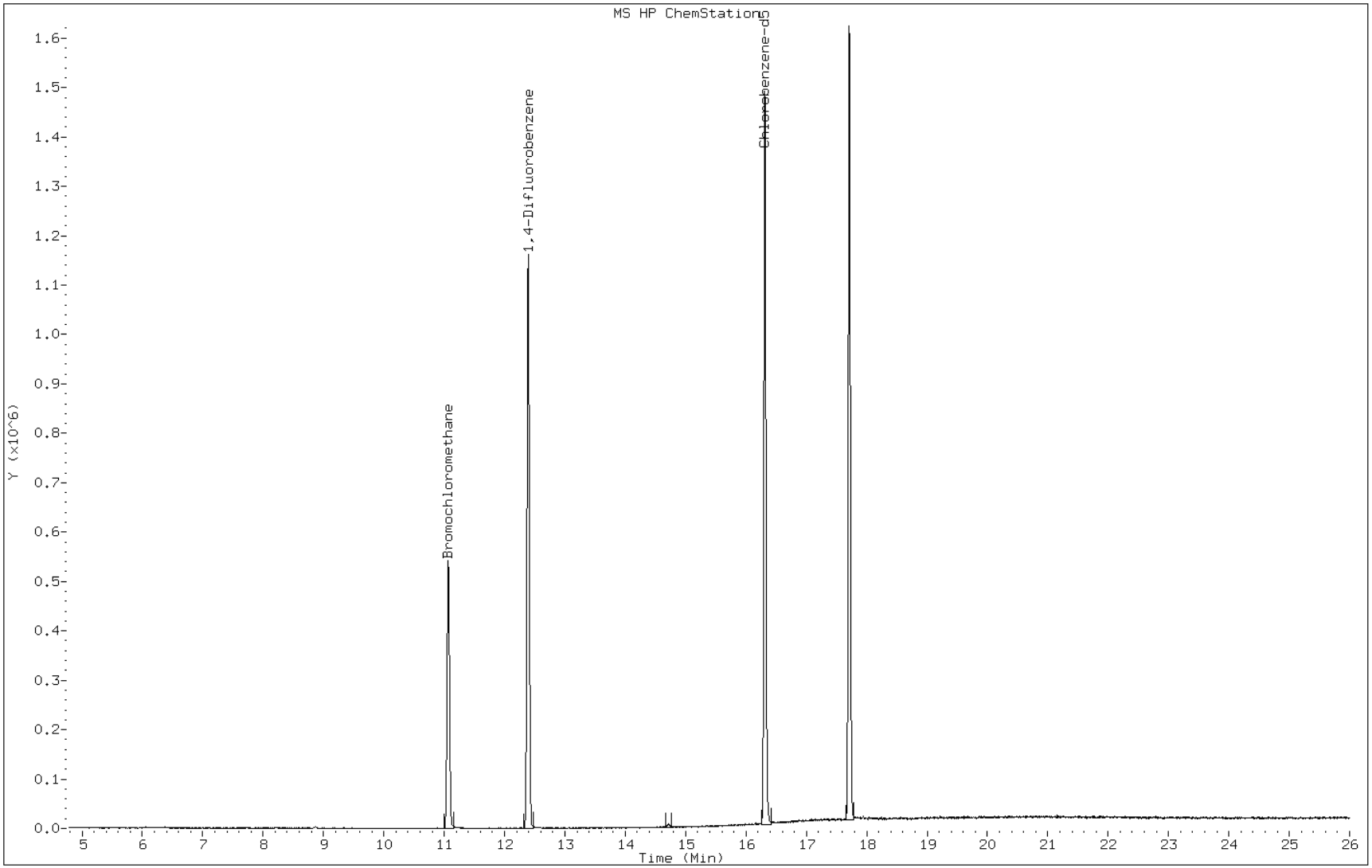
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
23	Allyl chloride	41	Compound Not Detected.						
25	Methylene chloride	49	Compound Not Detected.						
26	Tert-butyl alcohol	59	Compound Not Detected.						
27	Methyl tert-butyl ether	73	Compound Not Detected.						
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.						
30	n-Hexane	57	Compound Not Detected.						
31	1,1-Dichloroethane	63	Compound Not Detected.						
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.						
36	Methyl Ethyl Ketone	72	Compound Not Detected.						
* 37	Bromochloromethane	128	11.067	11.098	(1.000)	217436	10.0000		(Q)
38	Tetrahydrofuran	42	Compound Not Detected.						
39	Chloroform	83	Compound Not Detected.						
40	Cyclohexane	84	Compound Not Detected.						
41	1,1,1-Trichloroethane	97	Compound Not Detected.						
42	Carbon tetrachloride	117	Compound Not Detected.						
43	2,2,4-Trimethylpentane	57	Compound Not Detected.						
44	Benzene	78	Compound Not Detected.						
45	1,2-Dichloroethane	62	Compound Not Detected.						
46	n-Heptane	43	Compound Not Detected.						
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1287470	10.0000		
49	Trichloroethene	95	Compound Not Detected.						
50	1,2-Dichloropropane	63	Compound Not Detected.						
51	Methyl methacrylate	69	Compound Not Detected.						
53	1,4-Dioxane	88	Compound Not Detected.						
54	Bromodichloromethane	83	Compound Not Detected.						
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.						
56	Methyl isobutyl ketone	43	Compound Not Detected.						
58	Toluene	92	Compound Not Detected.						
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.						
60	1,1,2-Trichloroethane	83	Compound Not Detected.						
61	Tetrachloroethene	166	Compound Not Detected.						
63	Dibromochloromethane	129	Compound Not Detected.						
64	1,2-Dibromoethane	107	Compound Not Detected.						
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1133959	10.0000		
66	Chlorobenzene	112	Compound Not Detected.						
68	Ethylbenzene	91	Compound Not Detected.						
69	Xylene (m,p)	106	Compound Not Detected.						
71	Xylene (o)	106	Compound Not Detected.						
72	Styrene	104	Compound Not Detected.						
73	Bromoform	173	Compound Not Detected.						
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
79	4-Ethyltoluene	105	Compound Not Detected.						
80	2-Chlorotoluene	91	Compound Not Detected.						
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.						
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.						
87	1,3-Dichlorobenzene	146	Compound Not Detected.						
88	1,4-Dichlorobenzene	146	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckqv004.d	Date:	26-MAR-2012 12:54
Client ID:	mb	Instrument:	C.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab File ID: ckqv004.d Lab Sample ID: MB 200-35732/4

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

Instrument ID: C.i Date Analyzed: 03/26/2012 12:54

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-35732/5	ckqv005.d	03/26/2012 13:44
	LCS 200-35732/6	ckqv006.d	03/26/2012 14:34
	LCS 200-35732/7	ckqv007.d	03/26/2012 15:32
4307	200-9998-3	ckqv010.d	03/26/2012 18:01

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-35732/4

Matrix: Air Lab File ID: ckqv004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/26/2012 12:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.3	U	1.3	0.038
76-14-2	1,2-Dichlorotetrafluoroethane	0.50	U	0.50	0.032
74-87-3	Chloromethane	1.3	U	1.3	0.013
75-01-4	Vinyl chloride	0.50	U	0.50	0.029
106-99-0	1,3-Butadiene	0.50	U	0.50	0.010
74-83-9	Bromomethane	0.50	U	0.50	0.012
75-00-3	Chloroethane	1.3	U	1.3	0.016
593-60-2	Vinyl bromide	0.50	U	0.50	0.019
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.034
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.010
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.030
67-64-1	Acetone	5.0	U	5.0	0.045
75-15-0	Carbon disulfide	1.3	U	1.3	0.066
67-63-0	Isopropanol	13	U	13	0.037
107-05-1	Allyl chloride	0.50	U	0.50	0.019
75-09-2	Methylene Chloride	1.3	U	1.3	0.013
75-65-0	tert-Butyl alcohol	5.0	U	5.0	0.071
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.016
156-60-5	1,2-Dichloroethene, trans-	0.50	U	0.50	0.032
110-54-3	n-Hexane	0.50	U	0.50	0.026
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.035
156-59-2	1,2-Dichloroethene, cis-	0.50	U	0.50	0.014
78-93-3	Methyl Ethyl Ketone	1.3	U	1.3	0.017
67-66-3	Chloroform	0.50	U	0.50	0.031
109-99-9	Tetrahydrofuran	5.0	U	5.0	0.018
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.035
110-82-7	Cyclohexane	0.50	U	0.50	0.039
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.033
540-84-1	2,2,4-Trimethylpentane	0.50	U	0.50	0.036
71-43-2	Benzene	0.50	U	0.50	0.018
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.031
142-82-5	n-Heptane	0.50	U	0.50	0.010
79-01-6	Trichloroethene	0.50	U	0.50	0.030
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.014
80-62-6	Methyl methacrylate	1.3	U	1.3	0.013
123-91-1	1,4-Dioxane	5.0	U	5.0	0.088

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-35732/4

Matrix: Air Lab File ID: ckqv004.d

Analysis Method: TO15LL/NJ Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 03/26/2012 12:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.50	U	0.50	0.028
10061-01-5	1,3-Dichloropropene, cis-	0.50	U	0.50	0.016
108-10-1	methyl isobutyl ketone	1.3	U	1.3	0.026
108-88-3	Toluene	0.50	U	0.50	0.018
10061-02-6	1,3-Dichloropropene, trans-	0.50	U	0.50	0.020
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.019
127-18-4	Tetrachloroethene	0.50	U	0.50	0.011
124-48-1	Dibromochloromethane	0.50	U	0.50	0.021
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.018
108-90-7	Chlorobenzene	0.50	U	0.50	0.020
100-41-4	Ethylbenzene	0.50	U	0.50	0.022
179601-23-1	m-Xylene & p-Xylene	1.3	U	1.3	0.048
95-47-6	o-Xylene	0.50	U	0.50	0.022
100-42-5	Styrene	0.50	U	0.50	0.030
75-25-2	Bromoform	0.50	U	0.50	0.019
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.040
622-96-8	4-Ethyltoluene	0.50	U	0.50	0.046
108-67-8	1,3,5-Trimethylbenzene	0.50	U	0.50	0.051
95-49-8	2-Chlorotoluene	0.50	U	0.50	0.047
95-63-6	1,2,4-Trimethylbenzene	0.50	U	0.50	0.052
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.044
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.044
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.048
120-82-1	1,2,4-Trichlorobenzene	1.3	U	1.3	0.050
87-68-3	Hexachlorobutadiene	0.50	U	0.50	0.065

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckqvto15.b/ckqv004.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 26-MAR-2012 12:54
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckqvto15.b/TO15v5NJ.m
Meth Date : 27-Mar-2012 11:10 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)	
	23 Allyl chloride	41	Compound Not Detected.						
	25 Methylene chloride	49	Compound Not Detected.						
	26 Tert-butyl alcohol	59	Compound Not Detected.						
	27 Methyl tert-butyl ether	73	Compound Not Detected.						
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.						
	30 n-Hexane	57	Compound Not Detected.						
	31 1,1-Dichloroethane	63	Compound Not Detected.						
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.						
	36 Methyl Ethyl Ketone	72	Compound Not Detected.						
*	37 Bromochloromethane	128	11.067	11.098	(1.000)	217436	10.0000		(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.						
	39 Chloroform	83	Compound Not Detected.						
	40 Cyclohexane	84	Compound Not Detected.						
	41 1,1,1-Trichloroethane	97	Compound Not Detected.						
	42 Carbon tetrachloride	117	Compound Not Detected.						
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.						
	44 Benzene	78	Compound Not Detected.						
	45 1,2-Dichloroethane	62	Compound Not Detected.						
	46 n-Heptane	43	Compound Not Detected.						
*	47 1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1287470	10.0000		
	49 Trichloroethene	95	Compound Not Detected.						
	50 1,2-Dichloropropane	63	Compound Not Detected.						
	51 Methyl methacrylate	69	Compound Not Detected.						
	53 1,4-Dioxane	88	Compound Not Detected.						
	54 Bromodichloromethane	83	Compound Not Detected.						
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.						
	56 Methyl isobutyl ketone	43	Compound Not Detected.						
	58 Toluene	92	Compound Not Detected.						
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.						
	60 1,1,2-Trichloroethane	83	Compound Not Detected.						
	61 Tetrachloroethene	166	Compound Not Detected.						
	63 Dibromochloromethane	129	Compound Not Detected.						
	64 1,2-Dibromoethane	107	Compound Not Detected.						
*	65 Chlorobenzene-d5	117	16.313	16.339	(1.000)	1133959	10.0000		
	66 Chlorobenzene	112	Compound Not Detected.						
	68 Ethylbenzene	91	Compound Not Detected.						
	69 Xylene (m,p)	106	Compound Not Detected.						
	71 Xylene (o)	106	Compound Not Detected.						
	72 Styrene	104	Compound Not Detected.						
	73 Bromoform	173	Compound Not Detected.						
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
	79 4-Ethyltoluene	105	Compound Not Detected.						
	80 2-Chlorotoluene	91	Compound Not Detected.						
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.						
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.						
	87 1,3-Dichlorobenzene	146	Compound Not Detected.						
	88 1,4-Dichlorobenzene	146	Compound Not Detected.						

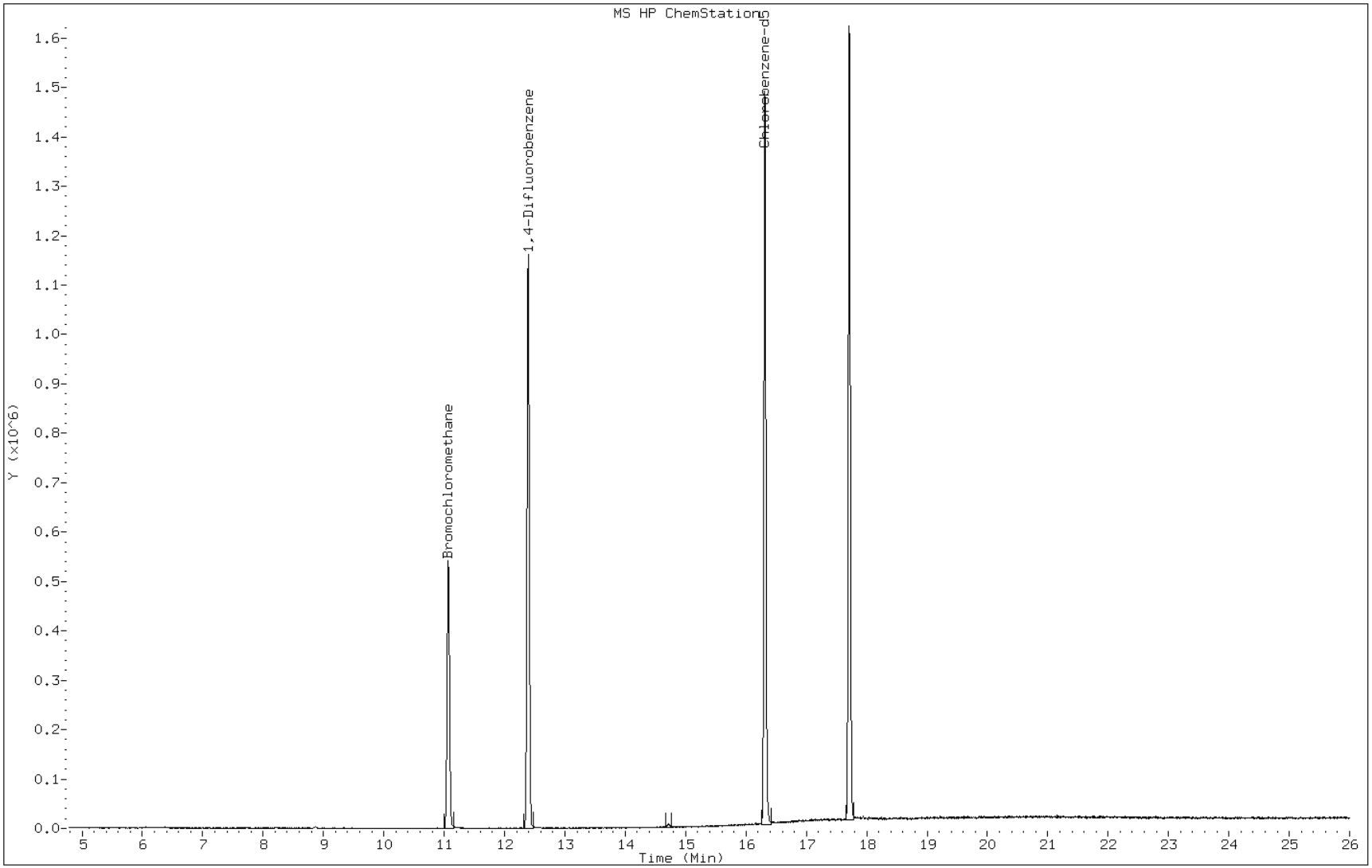
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: ckqv004.d
Client ID: mb
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 26-MAR-2012 12:54
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab File ID: ckqv001.d BFB Injection Date: 03/26/2012

Instrument ID: C.i BFB Injection Time: 10:21

Analysis Batch No.: 35732

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	51.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.2	(0.4)1
174	50.0 - 120.0% of mass 95	70.4	
175	4.0 - 9.0 % of mass 174	4.7	(6.7)1
176	93.0 - 101.0% of mass 174	67.2	(95.5)1
177	5.0 - 9.0% of mass 176	4.6	(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 200-35732/3	ckqv003.d	03/26/2012	12:04
	MB 200-35732/4	ckqv004.d	03/26/2012	12:54
	LCS 200-35732/5	ckqv005.d	03/26/2012	13:44
	LCS 200-35732/6	ckqv006.d	03/26/2012	14:34
	LCS 200-35732/7	ckqv007.d	03/26/2012	15:32
3081	200-9970-11	ckqv011.d	03/26/2012	18:51
	CCVC 200-35732/16	ckqv016.d	03/27/2012	09:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab File ID: ckq001.d BFB Injection Date: 02/24/2012

Instrument ID: C.i BFB Injection Time: 08:22

Analysis Batch No.: 34198

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.6	
75	30.0 - 66.0% of mass 95	43.6	
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	0.3	(0.4)1
174	50.0 - 120.0% of mass 95	70.1	
175	4.0 - 9.0 % of mass 174	4.8	(6.8)1
176	93.0 - 101.0% of mass 174	66.1	(94.2)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 200-34198/4	ckq004.d	02/24/2012	10:52
	IC 200-34198/5	ckq005.d	02/24/2012	11:42
	IC 200-34198/6	ckq006.d	02/24/2012	12:32
	ICIS 200-34198/7	ckq007.d	02/24/2012	13:22
	IC 200-34198/8	ckq008.d	02/24/2012	14:13
	IC 200-34198/9	ckq009.d	02/24/2012	15:03
	IC 200-34198/10	ckq010.d	02/24/2012	15:53
	ICV 200-34198/16	ckq016.d	02/24/2012	20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab File ID: ckqv001.d BFB Injection Date: 03/26/2012

Instrument ID: C.i BFB Injection Time: 10:21

Analysis Batch No.: 35732

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.9	
75	30.0 - 66.0% of mass 95	51.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.2	(0.4)1
174	50.0 - 120.0% of mass 95	70.4	
175	4.0 - 9.0 % of mass 174	4.7	(6.7)1
176	93.0 - 101.0% of mass 174	67.2	(95.5)1
177	5.0 - 9.0% of mass 176	4.6	(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 200-35732/3	ckqv003.d	03/26/2012	12:04
	MB 200-35732/4	ckqv004.d	03/26/2012	12:54
	LCS 200-35732/5	ckqv005.d	03/26/2012	13:44
	LCS 200-35732/6	ckqv006.d	03/26/2012	14:34
	LCS 200-35732/7	ckqv007.d	03/26/2012	15:32
4307	200-9998-3	ckqv010.d	03/26/2012	18:01
	CCVC 200-35732/16	ckqv016.d	03/27/2012	09:09

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Sample No.: CCVIS 200-35732/3 Date Analyzed: 03/26/2012 12:04

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqv003.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		221807	11.07	1280754	12.40	1225526	16.32
UPPER LIMIT		310530	11.40	1793056	12.73	1715736	16.65
LOWER LIMIT		133084	10.74	768452	12.07	735316	15.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35732/4		217436	11.07	1287470	12.39	1133959	16.31
LCS 200-35732/5		202842	11.08	1151421	12.40	1070140	16.32
LCS 200-35732/6		192231	11.07	1092814	12.39	1023427	16.31
LCS 200-35732/7		194931	11.07	1119547	12.39	1058482	16.31
200-9970-11	3081	198837	11.07	1170119	12.39	1039481	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Sample No.: ICIS 200-34198/7 Date Analyzed: 02/24/2012 13:22

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckq007.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400858	11.10	2341547	12.42	2130083	16.34
UPPER LIMIT		561201	11.43	3278166	12.75	2982116	16.67
LOWER LIMIT		240515	10.77	1404928	12.09	1278050	16.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-34198/16		396804	11.10	2361491	12.42	2119725	16.34

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Sample No.: CCVIS 200-35732/3 Date Analyzed: 03/26/2012 12:04

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckqv003.d Heated Purge: (Y/N) N

Calibration ID: 13747

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		221807	11.07	1280754	12.40	1225526	16.32
UPPER LIMIT		310530	11.40	1793056	12.73	1715736	16.65
LOWER LIMIT		133084	10.74	768452	12.07	735316	15.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-35732/4		217436	11.07	1287470	12.39	1133959	16.31
LCS 200-35732/5		202842	11.08	1151421	12.40	1070140	16.32
LCS 200-35732/6		192231	11.07	1092814	12.39	1023427	16.31
LCS 200-35732/7		194931	11.07	1119547	12.39	1058482	16.31
200-9998-3	4307	197743	11.07	1192853	12.39	1055121	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO15LL/NJ

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-9970-1

SDG No.:

Client Sample ID: 3081 | Lab Sample ID: 200-9970-11

Matrix: Air | Lab File ID: ckqv011.d

Analysis Method: TO15LL/NJ | Date Collected: 03/22/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 03/26/2012 18:51

Soil Aliquot Vol: | Dilution Factor: 0.4

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 35732 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Client Sample ID: 3081 Lab Sample ID: 200-9970-11

Matrix: Air Lab File ID: ckqv011.d

Analysis Method: TO15LL/NJ Date Collected: 03/22/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/26/2012 18:51

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9970-11
Client Smp ID: 3081
Inj Date : 26-MAR-2012 18:51
Operator : pad Inst ID: C.i
Smp Info : 200-9970-A-11
Misc Info : 500,0.4,
Comment :
Method : /chem/C.i/Csvr.p/ckqvto15.b/TO15v5NJ.m
Meth Date : 27-Mar-2012 11:10 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 7
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

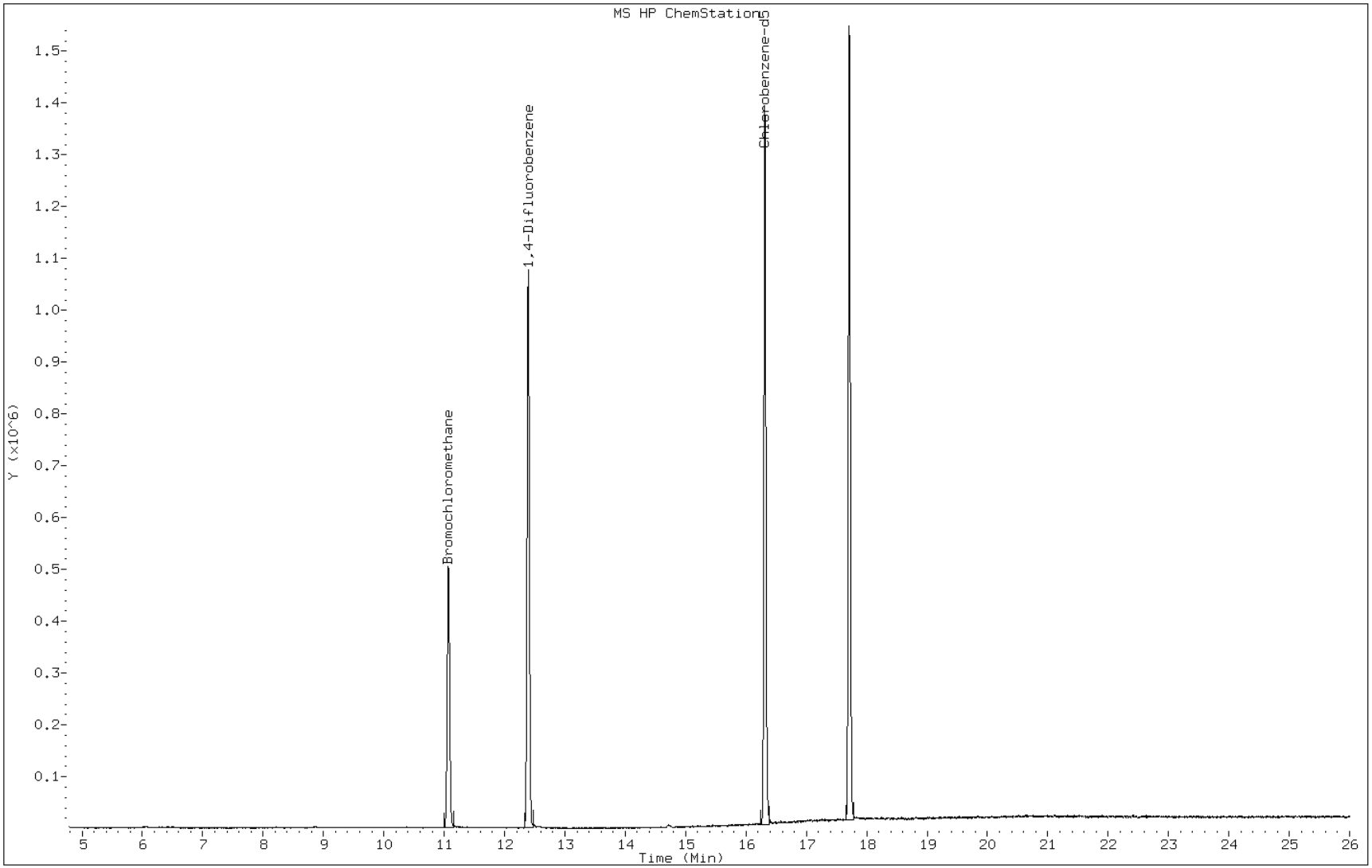
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.067	11.098	(1.000)	198837	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1170119	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1039481	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File: ckqv011.d
Client ID: 3081
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-9970-A-11
Lab Sample ID: 200-9970-11

Date: 26-MAR-2012 18:51
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Client Sample ID: 4307 Lab Sample ID: 200-9998-3

Matrix: Air Lab File ID: ckqv010.d

Analysis Method: TO15LL/NJ Date Collected: 03/23/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/26/2012 18:01

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.015
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.013
74-87-3	Chloromethane	0.50	U	0.50	0.0052
75-01-4	Vinyl chloride	0.20	U	0.20	0.012
106-99-0	1,3-Butadiene	0.20	U	0.20	0.0040
74-83-9	Bromomethane	0.20	U	0.20	0.0048
75-00-3	Chloroethane	0.50	U	0.50	0.0064
593-60-2	Vinyl bromide	0.20	U	0.20	0.0076
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.0040
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.012
67-64-1	Acetone	2.0	U	2.0	0.018
75-15-0	Carbon disulfide	0.50	U	0.50	0.026
67-63-0	Isopropanol	5.0	U	5.0	0.015
107-05-1	Allyl chloride	0.20	U	0.20	0.0076
75-09-2	Methylene Chloride	0.50	U	0.50	0.0052
75-65-0	tert-Butyl alcohol	2.0	U	2.0	0.028
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.0064
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.013
110-54-3	n-Hexane	0.20	U	0.20	0.010
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.014
156-59-2	1,2-Dichloroethene, cis-	0.20	U	0.20	0.0056
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.0068
67-66-3	Chloroform	0.20	U	0.20	0.012
109-99-9	Tetrahydrofuran	2.0	U	2.0	0.0072
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.014
110-82-7	Cyclohexane	0.20	U	0.20	0.016
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.014
71-43-2	Benzene	0.20	U	0.20	0.0072
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.012
142-82-5	n-Heptane	0.20	U	0.20	0.0040
79-01-6	Trichloroethene	0.20	U	0.20	0.012
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.0056
80-62-6	Methyl methacrylate	0.50	U	0.50	0.0052
123-91-1	1,4-Dioxane	2.0	U	2.0	0.035

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Client Sample ID: 4307 Lab Sample ID: 200-9998-3

Matrix: Air Lab File ID: ckqv010.d

Analysis Method: TO15LL/NJ Date Collected: 03/23/2012 00:00

Sample wt/vol: 500(mL) Date Analyzed: 03/26/2012 18:01

Soil Aliquot Vol: Dilution Factor: 0.4

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 35732 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	0.20	U	0.20	0.011
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.0064
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.010
108-88-3	Toluene	0.20	U	0.20	0.0072
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.0080
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.0076
127-18-4	Tetrachloroethene	0.20	U	0.20	0.0044
124-48-1	Dibromochloromethane	0.20	U	0.20	0.0084
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.0072
108-90-7	Chlorobenzene	0.20	U	0.20	0.0080
100-41-4	Ethylbenzene	0.20	U	0.20	0.0088
179601-23-1	m-Xylene & p-Xylene	0.50	U	0.50	0.019
95-47-6	o-Xylene	0.20	U	0.20	0.0088
100-42-5	Styrene	0.20	U	0.20	0.012
75-25-2	Bromoform	0.20	U	0.20	0.0076
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.016
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.018
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.020
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.019
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.021
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.018
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.018
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.019
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.020
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.026

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-9998-3
Client Smp ID: 4307
Inj Date : 26-MAR-2012 18:01
Operator : pad Inst ID: C.i
Smp Info : 200-9998-A-3
Misc Info : 500,0.4,
Comment :
Method : /chem/C.i/Csvr.p/ckqvto15.b/TO15v5NJ.m
Meth Date : 27-Mar-2012 11:10 pd Quant Type: ISTD
Cal Date : 24-FEB-2012 15:53 Cal File: ckq010.d
Als bottle: 6
Dil Factor: 0.40000
Integrator: HP RTE Compound Sublist: LLNJTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

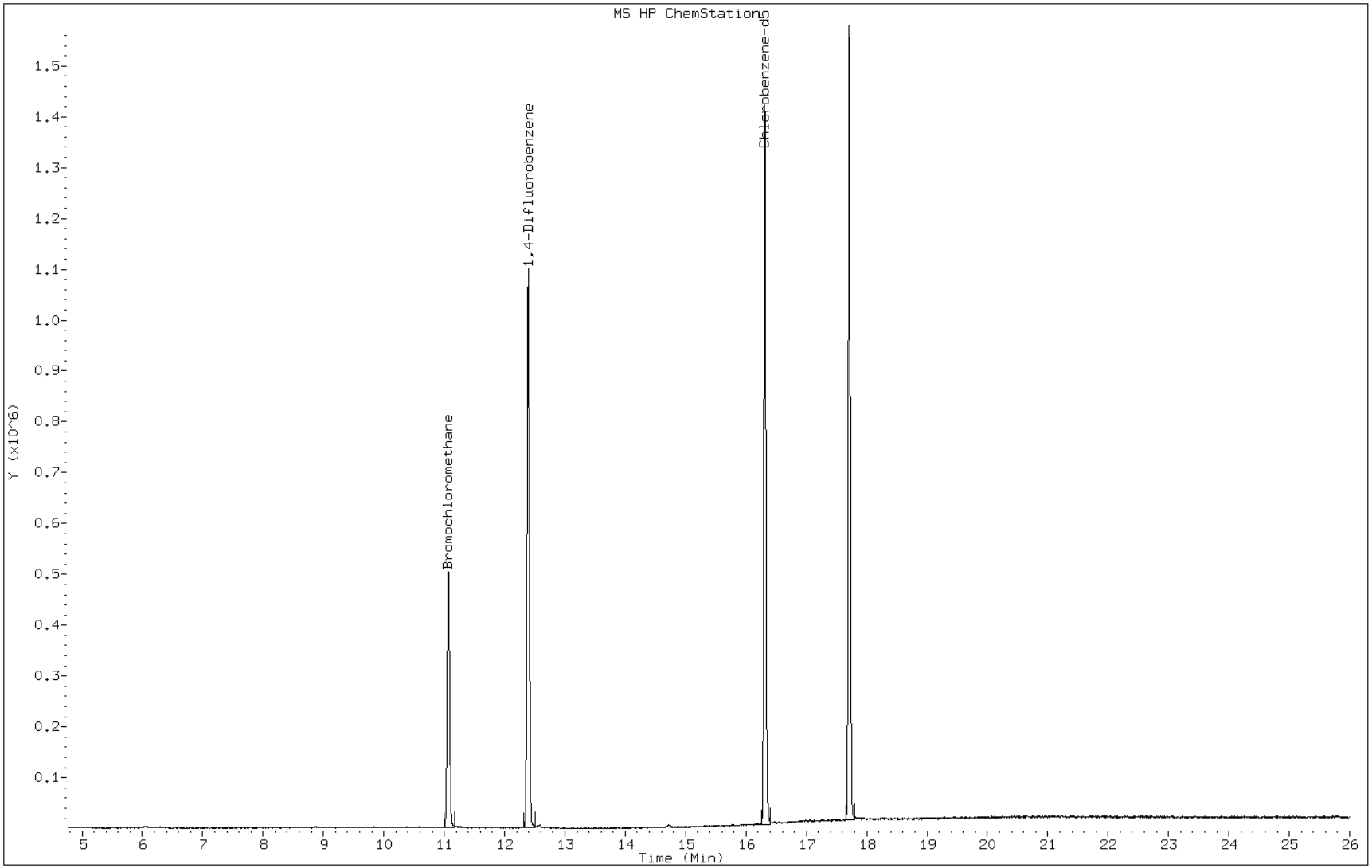
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	Compound Not Detected.					
21 Carbon disulfide	76	Compound Not Detected.					
22 Isopropanol	45	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	Compound Not Detected.					
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.072	11.098	(1.000)	197743	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	Compound Not Detected.					
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	Compound Not Detected.					
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	Compound Not Detected.					
* 47	1,4-Difluorobenzene	114	12.390	12.417	(1.000)	1192853	10.0000	
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
56	Methyl isobutyl ketone	43	Compound Not Detected.					
58	Toluene	92	Compound Not Detected.					
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	16.313	16.339	(1.000)	1055121	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	Compound Not Detected.					
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					

Data File: ckqv010.d
Client ID: 4307
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-9998-A-3
Lab Sample ID: 200-9998-3

Date: 26-MAR-2012 18:01
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9970-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	2.6795	3.5015 2.4911	3.2082	2.9321	2.7788	Ave		2.9318				12.6		30.0			
1,2-Dichlorotetrafluoroethane	3.9237 3.0350	3.9444 2.8270	3.6226	3.3056	3.1487	Ave		3.4010				12.9		30.0			
Chloromethane	0.9179	1.3102 0.8589	1.1362	1.0221	0.9556	Ave		1.0335				16.0		30.0			
Vinyl chloride	1.4054 1.0912	1.4680 1.0189	1.3112	1.2023	1.1355	Ave		1.2332				13.5		30.0			
1,3-Butadiene	1.0671 0.8292	1.0623 0.7800	0.9967	0.9185	0.8647	Ave		0.9312				12.2		30.0			
Bromomethane	1.2955 0.9870	1.2307 0.9571	1.0943	1.0316	0.9977	Ave		1.0849				12.0		30.0			
Chloroethane	0.5665	0.7386 0.5250	0.6481	0.6026	0.5765	Ave		0.6096				12.3		30.0			
Vinyl bromide	1.2520 1.0930	1.2384 1.0691	1.1738	1.1219	1.1121	Ave		1.1515				6.2		30.0			
Trichlorofluoromethane	3.5049 2.7831	3.3750 2.6682	3.1112	2.9232	2.8428	Ave		3.0298				10.3		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	2.7080 2.1865	2.5759 2.0947	2.3895	2.2658	2.2239	Ave		2.3492				9.4		30.0			
1,1-Dichloroethene	1.2981 1.1160	1.4042 1.0918	1.1883	1.1554	1.1422	Ave		1.1994				9.4		30.0			
Acetone	1.3195	1.0040	1.9792	1.5064	1.2628	Ave		1.4144				25.7		30.0			
Isopropanol	1.1025	0.9271	1.3232	1.0977	1.0800	Ave		1.1061				12.8		30.0			
Carbon disulfide	3.3883	4.1559 3.2365	3.7335	3.6109	3.4104	Ave		3.5892				9.1		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	2.1866 1.5295	1.8915 1.4030	1.9435	1.7193	1.6532	Ave		1.7609				15.1		30.0			
Methylene Chloride	1.1158	1.6228 1.0320	1.3638	1.2258	1.1631	Ave		1.2539				16.9		30.0			
tert-Butyl alcohol	1.5859	1.3701	1.7291	1.5665	1.6035	Ave		1.5710				8.2		30.0			
Methyl tert-butyl ether	4.1084 2.9974	3.9519 2.4724	3.5991	3.1797	2.8653	Ave		3.3106				18.1		30.0			
1,2-Dichloroethene, trans-	2.1235 1.6501	2.0662 1.5280	1.9295	1.7771	1.7093	Ave		1.8262				12.1		30.0			
n-Hexane	2.6322 1.9333	2.4964 1.7744	2.2881	2.1029	2.0092	Ave		2.1766				14.2		30.0			
1,1-Dichloroethane	2.6386 2.0863	2.6159 1.9161	2.4627	2.2651	2.1494	Ave		2.3049				12.0		30.0			
Methyl Ethyl Ketone	0.5266	0.9216 0.4005	0.6542	0.5713	0.5000	Ave		0.5957				30.2	*	30.0			
1,2-Dichloroethene, cis-	1.4577 1.2677	1.4973 1.2107	1.3895	1.3305	1.2974	Ave		1.3501				7.7		30.0			
Tetrahydrofuran	0.1812	0.1476	0.2351	0.2001	0.1796	Ave		0.1887				17.0		30.0			
Chloroform	3.1031 2.3900	2.9748 2.2455	2.7293	2.5590	2.4675	Ave		2.6385				11.9		30.0			
1,1,1-Trichloroethane	0.5324 0.4373	0.5205 0.4381	0.4835	0.4589	0.4549	Ave		0.4751				8.1		30.0			
Cyclohexane	0.3818 0.3165	0.3802 0.3125	0.3508	0.3301	0.3267	Ave		0.3427				8.4		30.0			
Carbon tetrachloride	0.5020 0.4373	0.4901 0.4499	0.4677	0.4493	0.4494	Ave		0.4637				5.2		30.0			
2,2,4-Trimethylpentane	1.3430 1.0398	1.3226 0.9926	1.2199	1.1420	1.0981	Ave		1.1655				11.6		30.0			
Benzene	0.8886 0.6911	0.8261 0.6885	0.7606	0.7225	0.7125	Ave		0.7557				10.0		30.0			
1,2-Dichloroethane	0.3228 0.2609	0.3224 0.2564	0.3034	0.2797	0.2732	Ave		0.2884				9.7		30.0			
n-Heptane	0.5273 0.3678	0.4927 0.3409	0.4493	0.4128	0.3919	Ave		0.4261				15.8		30.0			
Trichloroethene	0.3506 0.3044	0.3381 0.3154	0.3258	0.3188	0.3234	Ave		0.3252				4.7		30.0			
1,2-Dichloropropane	0.3074 0.2297	0.2944 0.2093	0.2735	0.2528	0.2385	Ave		0.2579				13.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl methacrylate	0.2087	0.2413 0.1747	0.2435	0.2192	0.1985	Ave		0.2143				12.3		30.0			
1,4-Dioxane	0.0894	0.0741	0.0983	0.0905	0.0872	Ave		0.0879				10.0		30.0			
Bromodichloromethane	0.5410 0.4664	0.5135 0.4529	0.5190	0.4949	0.4817	Ave		0.4956				6.3		30.0			
1,3-Dichloropropene, cis-	0.4383 0.3640	0.4391 0.3443	0.4149	0.3923	0.3691	Ave		0.3946				9.5		30.0			
methyl isobutyl ketone	0.3649	0.4950 0.3102	0.4559	0.3968	0.3516	Ave		0.3957				17.4		30.0			
Toluene	0.6544 0.5521	0.6353 0.6267	0.5932	0.5623	0.6009	Ave		0.6036				6.3		30.0			
1,3-Dichloropropene, trans-	0.4196 0.3535	0.4085 0.3297	0.4075	0.3741	0.3520	Ave		0.3778				9.1		30.0			
1,1,2-Trichloroethane	0.2947 0.2512	0.2959 0.2799	0.2775	0.2610	0.2768	Ave		0.2767				5.9		30.0			
Tetrachloroethene	0.4184 0.4452	0.4052 0.5805	0.4013	0.4137	0.4893	Ave		0.4505				14.4		30.0			
Dibromochloromethane	0.4766 0.5191	0.4860 0.6208	0.5082	0.5108	0.5656	Ave		0.5267				9.6		30.0			
1,2-Dibromoethane	0.5028 0.4807	0.5048 0.5543	0.4921	0.4795	0.5263	Ave		0.5058				5.3		30.0			
Chlorobenzene	0.8033 0.7313	0.8026 0.8572	0.7537	0.7291	0.7931	Ave		0.7815				5.9		30.0			
Ethylbenzene	1.3616 1.1104	1.3232 1.1987	1.2337	1.1374	1.2022	Ave		1.2239				7.5		30.0			
m-Xylene & p-Xylene	0.5044 0.4599	0.5039 0.5163	0.4819	0.4543	0.4894	Ave		0.4872				4.8		30.0			
o-Xylene	0.4859 0.4429	0.4910 0.4971	0.4727	0.4410	0.4761	Ave		0.4724				4.7		30.0			
Styrene	0.6669 0.7230	0.7009 0.8244	0.7324	0.7075	0.7741	Ave		0.7327				7.1		30.0			
Bromoform	0.3890 0.4788	0.3987 0.5993	0.4429	0.4494	0.5092	Ave		0.4668				15.4		30.0			
1,1,2,2-Tetrachloroethane	0.7373 0.6411	0.7545 0.7009	0.7099	0.6584	0.6984	Ave		0.7001				5.7		30.0			
4-Ethyltoluene	1.2554 1.3449	1.2902 1.5282	1.3769	1.3219	1.4244	Ave		1.3631				6.7		30.0			
2-Chlorotoluene	1.3662 1.1009	1.3162 1.2038	1.2016	1.1257	1.2070	Ave		1.2173				7.8		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	1.0581 1.1128	1.0814 1.2471	1.1191	1.0863	1.1778	Ave		1.1261				5.8		30.0			
1,2,4-Trimethylbenzene	1.0167 1.1090	1.0305 1.2487	1.1170	1.0902	1.1763	Ave		1.1126				7.3		30.0			
1,3-Dichlorobenzene	0.7168 0.7480	0.6867 0.9008	0.7193	0.7145	0.7999	Ave		0.7551				9.7		30.0			
1,4-Dichlorobenzene	0.7071 0.7409	0.6543 0.8945	0.7083	0.7064	0.7889	Ave		0.7429				10.5		30.0			
1,2-Dichlorobenzene	0.7107 0.7070	0.6426 0.8334	0.6871	0.6788	0.7533	Ave		0.7161				8.6		30.0			
1,2,4-Trichlorobenzene	 0.3882	0.2832 0.4120	0.3389	0.3569	0.4018	Ave		0.3635				13.2		30.0			
Hexachlorobutadiene	0.3191 0.3367	0.2998 0.3894	0.2940	0.3050	0.3476	Ave		0.3274				10.3		30.0			

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

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-34198/4	ckq004.d
Level 2	IC 200-34198/5	ckq005.d
Level 3	IC 200-34198/6	ckq006.d
Level 4	ICIS 200-34198/7	ckq007.d
Level 5	IC 200-34198/8	ckq008.d
Level 6	IC 200-34198/9	ckq009.d
Level 7	IC 200-34198/10	ckq010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	BCM	Ave	2418109	62301 4858897	591927	1175354	1787663	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	28422 2738934	70182 5514119	668383	1325083	2025646	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloromethane	BCM	Ave	828391	23312 1675343	209637	409725	614768	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl chloride	BCM	Ave	10180 984794	26120 1987300	241922	481937	730487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Butadiene	BCM	Ave	7730 748362	18901 1521418	183896	368182	556280	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromomethane	BCM	Ave	9384 890727	21898 1866873	201906	413532	641861	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chloroethane	BCM	Ave	511219	13141 1024082	119584	241576	370906	20.0	0.500 40.0	5.00	10.0	15.0
Vinyl bromide	BCM	Ave	9069 986421	22034 2085288	216562	449720	715420	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichlorofluoromethane	BCM	Ave	25388 2511634	60051 5204334	574020	1171794	1828839	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	19616 1973220	45832 4085797	440870	908253	1430700	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethene	BCM	Ave	9403 1007176	24985 2129610	219244	463155	734791	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Acetone	BCM	Ave	1190841	1958274	365162	603838	812390	20.0	40.0	5.00	10.0	15.0
Isopropanol	BCM	Ave	994940	1808248	244142	440019	694822	20.0	40.0	5.00	10.0	15.0
Carbon disulfide	BCM	Ave	3057777	73945 6312851	688851	1447474	2193978	20.0	0.500 40.0	5.00	10.0	15.0
Allyl chloride	BCM	Ave	15839 1380279	33655 2736582	358588	689206	1063578	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Methylene Chloride	BCM	Ave	1006926	28874 2012967	251619	491358	748269	20.0	0.500 40.0	5.00	10.0	15.0
tert-Butyl alcohol	BCM	Ave	1431235	2672511	319031	627939	1031574	20.0	40.0	5.00	10.0	15.0
Methyl tert-butyl ether	BCM	Ave	29760 2705044	70316 4822559	664054	1274621	1843318	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, trans-	BCM	Ave	15382 1489183	36763 2980481	355998	712346	1099672	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Hexane	BCM	Ave	19067 1744773	44418 3461046	422156	842956	1292568	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1-Dichloroethane	BCM	Ave	19113 1882835	46544 3737477	454380	907976	1382774	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl Ethyl Ketone	BCM	Ave	475256	16398 781125	120709	228992	321667	20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethene, cis-	BCM	Ave	10559 1144021	26642 2361518	256374	533353	834635	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrahydrofuran	DFB	Ave	941802	1559926	256051	468585	658169	20.0	40.0	5.00	10.0	15.0
Chloroform	BCM	Ave	22478 2156842	52930 4379959	503573	1025814	1587422	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,1-Trichloroethane	DFB	Ave	22719 2272479	54287 4629609	526455	1074586	1666725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Cyclohexane	DFB	Ave	16294 1644852	39656 3302289	381985	772898	1196919	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Carbon tetrachloride	DFB	Ave	21422 2272562	51116 4755235	509254	1052064	1646725	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2,2,4-Trimethylpentane	DFB	Ave	57315 5403236	137951 10490708	1328399	2674034	4023487	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Benzene	DFB	Ave	37920 3591240	86161 7276659	828237	1691850	2610721	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloroethane	DFB	Ave	13775 1355871	33621 2709669	330378	654896	1000924	0.200 20.0	0.500 40.0	5.00	10.0	15.0
n-Heptane	DFB	Ave	22501 1911105	51388 3602544	489273	966542	1435724	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Trichloroethene	DFB	Ave	14964 1581586	35265 3333391	354762	746435	1185049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichloropropane	DFB	Ave	13120 1193624	30708 2211860	297817	591836	873852	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Methyl methacrylate	DFB	Ave	1084389	25164 1846210	265107	513225	727359	20.0	0.500 40.0	5.00	10.0	15.0
1,4-Dioxane	DFB	Ave	464492	783059	107080	211897	319613	20.0	40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Bromodichloromethane	DFB	Ave	23089 2423703	53553 4786521	565149	1158917	1764940	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, cis-	DFB	Ave	18705 1891739	45801 3639100	451799	918588	1352374	0.200 20.0	0.500 40.0	5.00	10.0	15.0
methyl isobutyl ketone	DFB	Ave	 1896428	51625 3277959	496409	929125	1288082	 20.0	0.500 40.0	5.00	10.0	15.0
Toluene	CBZ	Ave	25743 2520112	60516 4750102	597868	1197754	1753871	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichloropropene, trans-	DFB	Ave	17908 1837141	42603 3484088	443739	875985	1289654	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2-Trichloroethane	CBZ	Ave	11594 1146525	28186 2121180	279686	555928	807727	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Tetrachloroethene	CBZ	Ave	16459 2032412	38598 4399736	404383	881191	1427981	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Dibromochloromethane	CBZ	Ave	18748 2369689	46295 4705318	512129	1088094	1650585	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dibromoethane	CBZ	Ave	19780 2194114	48086 4201543	495924	1021428	1536172	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Chlorobenzene	CBZ	Ave	31601 3337996	76449 6497191	759563	1553140	2314714	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Ethylbenzene	CBZ	Ave	53563 5068587	126034 9085457	1243323	2422789	3508764	0.200 20.0	0.500 40.0	5.00	10.0	15.0
m-Xylene & p-Xylene	CBZ	Ave	39686 4198756	96003 7826064	971223	1935593	2856445	0.400 40.0	1.00 80.0	10.0	20.0	30.0
o-Xylene	CBZ	Ave	19113 2021726	46766 3767863	476418	939311	1389413	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Styrene	CBZ	Ave	26234 3300211	66760 6248765	738105	1507113	2259153	0.200 20.0	0.500 40.0	5.00	10.0	15.0
Bromoform	CBZ	Ave	15301 2185436	37975 4542557	446396	957347	1486095	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	29004 2926653	71871 5312321	715466	1402511	2038233	0.200 20.0	0.500 40.0	5.00	10.0	15.0
4-Ethyltoluene	CBZ	Ave	49385 6138855	122894 11582927	1387661	2815694	4157030	0.200 20.0	0.500 40.0	5.00	10.0	15.0
2-Chlorotoluene	CBZ	Ave	53745 5025320	125367 9124504	1210974	2397860	3522537	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3,5-Trimethylbenzene	CBZ	Ave	41624 5079420	103006 9452592	1127801	2313828	3437469	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trimethylbenzene	CBZ	Ave	39995 5062174	98159 9464698	1125728	2322159	3433049	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,3-Dichlorobenzene	CBZ	Ave	28200 3414291	65405 6827406	724951	1521838	2334649	0.200 20.0	0.500 40.0	5.00	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-9998-1 Analy Batch No.: 34198

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/24/2012 10:02 Calibration End Date: 02/24/2012 15:53 Calibration ID: 13747

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	CBZ	Ave	27817 3382031	62320 6780270	713801	1504696	2302417	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2-Dichlorobenzene	CBZ	Ave	27960 3227425	61205 6316851	692455	1445820	2198554	0.200 20.0	0.500 40.0	5.00	10.0	15.0
1,2,4-Trichlorobenzene	CBZ	Ave	 1772104	26971 3122632	341565	760164	1172674	 20.0	0.500 40.0	5.00	10.0	15.0
Hexachlorobutadiene	CBZ	Ave	12554 1536973	28559 2951529	296246	649779	1014452	0.200 20.0	0.500 40.0	5.00	10.0	15.0

Curve Type Legend:
Ave = Average ISTD

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.4	104	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	10.3	103	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	10.9	109	70-130	
Bromomethane	10.0	9.64	96	70-130	
Chloroethane	10.0	10.4	104	70-130	
Vinyl bromide	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	9.96	100	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8	108	70-130	
1,1-Dichloroethene	10.0	10.8	108	70-130	
Acetone	10.0	11.4	114	70-130	
Carbon disulfide	10.0	10.4	104	70-130	
Isopropanol	10.0	10.4	104	70-130	
Allyl chloride	10.0	10.4	104	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.74	97	70-130	
1,2-Dichloroethene, trans-	10.0	10.2	102	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.3	103	70-130	
1,2-Dichloroethene, cis-	10.0	10.3	103	70-130	
Methyl Ethyl Ketone	10.0	9.57	96	70-130	
Chloroform	10.0	10.0	100	70-130	
Tetrahydrofuran	10.0	10.7	107	70-130	
1,1,1-Trichloroethane	10.0	9.67	97	70-130	
Cyclohexane	10.0	9.77	98	70-130	
Carbon tetrachloride	10.0	9.58	96	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	9.67	97	70-130	
1,2-Dichloroethane	10.0	9.85	99	70-130	
n-Heptane	10.0	9.99	100	70-130	
Trichloroethene	10.0	9.66	97	70-130	
1,2-Dichloropropane	10.0	9.73	97	70-130	
Methyl methacrylate	10.0	9.91	99	70-130	
1,4-Dioxane	10.0	9.04	90	70-130	
Bromodichloromethane	10.0	10.2	102	70-130	
1,3-Dichloropropene, cis-	10.0	9.60	96	70-130	
methyl isobutyl ketone	10.0	9.93	99	70-130	
Toluene	10.0	9.12	91	70-130	
1,3-Dichloropropene, trans-	10.0	9.52	95	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ckq016.d

Lab ID: ICV 200-34198/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	10.0	8.84	88	70-130	
Tetrachloroethene	10.0	8.69	87	70-130	
Dibromochloromethane	10.0	9.68	97	70-130	
1,2-Dibromoethane	10.0	9.05	91	70-130	
Chlorobenzene	10.0	8.87	89	70-130	
Ethylbenzene	10.0	9.00	90	70-130	
m-Xylene & p-Xylene	20.0	17.6	88	70-130	
o-Xylene	10.0	8.79	88	70-130	
Styrene	10.0	9.01	90	70-130	
Bromoform	10.0	9.24	92	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.77	88	70-130	
4-Ethyltoluene	10.0	9.47	95	70-130	
1,3,5-Trimethylbenzene	10.0	9.17	92	70-130	
2-Chlorotoluene	10.0	9.19	92	70-130	
1,2,4-Trimethylbenzene	10.0	9.04	90	70-130	
1,3-Dichlorobenzene	10.0	8.62	86	70-130	
1,4-Dichlorobenzene	10.0	8.60	86	70-130	
1,2-Dichlorobenzene	10.0	8.43	84	70-130	
1,2,4-Trichlorobenzene	10.0	8.14	81	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15LL/NJ

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab Sample ID: CCVIS 200-35732/3 Calibration Date: 03/26/2012 12:04

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.280		11.2	10.0	11.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.076		9.04	10.0	-9.5	30.0
Chloromethane	Ave	1.033	0.8231		7.96	10.0	-20.4	30.0
Vinyl chloride	Ave	1.233	0.9816		7.96	10.0	-20.4	30.0
1,3-Butadiene	Ave	0.9312	0.7263		7.80	10.0	-22.0	30.0
Bromomethane	Ave	1.085	0.9400		8.66	10.0	-13.3	30.0
Chloroethane	Ave	0.6096	0.5008		8.21	10.0	-17.8	30.0
Vinyl bromide	Ave	1.151	0.9731		8.45	10.0	-15.5	30.0
Trichlorofluoromethane	Ave	3.030	3.545		11.7	10.0	17.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.142		9.11	10.0	-8.8	30.0
1,1-Dichloroethene	Ave	1.199	0.9667		8.06	10.0	-19.4	30.0
Acetone	Ave	1.414	1.546		10.9	10.0	9.3	30.0
Isopropanol	Ave	1.106	1.106		10.0	10.0	0.0	30.0
Carbon disulfide	Ave	3.589	2.930		8.16	10.0	-18.4	30.0
Allyl chloride	Ave	1.761	1.539		8.74	10.0	-12.6	30.0
Methylene Chloride	Ave	1.254	1.106		8.82	10.0	-11.8	30.0
tert-Butyl alcohol	Ave	1.571	1.723		11.0	10.0	9.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.419		10.3	10.0	3.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.681		9.20	10.0	-7.9	30.0
n-Hexane	Ave	2.177	1.814		8.33	10.0	-16.7	30.0
1,1-Dichloroethane	Ave	2.305	2.082		9.03	10.0	-9.7	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5104		8.57	10.0	-14.3	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.150		8.52	10.0	-14.8	30.0
Tetrahydrofuran	Ave	0.1887	0.1897		10.0	10.0	0.5	30.0
Chloroform	Ave	2.638	2.754		10.4	10.0	4.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5758		12.1	10.0	21.2	30.0
Cyclohexane	Ave	0.3427	0.2869		8.37	10.0	-16.3	30.0
Carbon tetrachloride	Ave	0.4637	0.5831		12.6	10.0	25.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.998		8.56	10.0	-14.4	30.0
Benzene	Ave	0.7557	0.6247		8.27	10.0	-17.3	30.0
1,2-Dichloroethane	Ave	0.2884	0.3392		11.8	10.0	17.6	30.0
n-Heptane	Ave	0.4261	0.3807		8.93	10.0	-10.6	30.0
Trichloroethene	Ave	0.3252	0.3022		9.29	10.0	-7.1	30.0
1,2-Dichloropropane	Ave	0.2579	0.2216		8.59	10.0	-14.1	30.0
Methyl methacrylate	Ave	0.2143	0.2100		9.80	10.0	-2.0	30.0
1,4-Dioxane	Ave	0.0879	0.0864		9.83	10.0	-1.7	30.0
Bromodichloromethane	Ave	0.4956	0.5457		11.0	10.0	10.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3801		9.63	10.0	-3.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab Sample ID: CCVIS 200-35732/3 Calibration Date: 03/26/2012 12:04

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.4181		10.6	10.0	5.7	30.0
Toluene	Ave	0.6036	0.4912		8.14	10.0	-18.6	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4057		10.7	10.0	7.4	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2295		8.29	10.0	-17.0	30.0
Tetrachloroethene	Ave	0.4505	0.3960		8.79	10.0	-12.1	30.0
Dibromochloromethane	Ave	0.5267	0.5422		10.3	10.0	2.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.4489		8.87	10.0	-11.2	30.0
Chlorobenzene	Ave	0.7815	0.6527		8.35	10.0	-16.5	30.0
Ethylbenzene	Ave	1.224	1.142		9.33	10.0	-6.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4213		17.3	20.0	-13.5	30.0
o-Xylene	Ave	0.4724	0.4128		8.74	10.0	-12.6	30.0
Styrene	Ave	0.7327	0.6394		8.72	10.0	-12.7	30.0
Bromoform	Ave	0.4668	0.4723		10.1	10.0	1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5877		8.39	10.0	-16.1	30.0
4-Ethyltoluene	Ave	1.363	1.328		9.74	10.0	-2.6	30.0
2-Chlorotoluene	Ave	1.217	1.181		9.70	10.0	-2.9	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.146		10.2	10.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.118		10.1	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6542		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6430		8.65	10.0	-13.4	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6227		8.69	10.0	-13.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3015		8.29	10.0	-17.0	30.0
Hexachlorobutadiene	Ave	0.3274	0.2935		8.96	10.0	-10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab Sample ID: CCVC 200-35732/16 Calibration Date: 03/27/2012 09:09

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.106		10.6	10.0	5.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.948		8.67	10.0	-13.3	30.0
Chloromethane	Ave	1.033	0.7929		7.67	10.0	-23.3	30.0
Vinyl chloride	Ave	1.233	0.9333		7.57	10.0	-24.3	30.0
1,3-Butadiene	Ave	0.9312	0.6953		7.47	10.0	-25.3	30.0
Bromomethane	Ave	1.085	0.8964		8.26	10.0	-17.4	30.0
Chloroethane	Ave	0.6096	0.4629		7.59	10.0	-24.1	30.0
Vinyl bromide	Ave	1.151	0.9071		7.88	10.0	-21.2	30.0
Trichlorofluoromethane	Ave	3.030	3.382		11.2	10.0	11.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.011		8.56	10.0	-14.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9192		7.66	10.0	-23.4	30.0
Acetone	Ave	1.414	1.333		9.43	10.0	-5.7	30.0
Isopropanol	Ave	1.106	1.021		9.23	10.0	-7.7	30.0
Carbon disulfide	Ave	3.589	2.746		7.65	10.0	-23.5	30.0
Allyl chloride	Ave	1.761	1.421		8.07	10.0	-19.3	30.0
Methylene Chloride	Ave	1.254	1.043		8.31	10.0	-16.9	30.0
tert-Butyl alcohol	Ave	1.571	1.589		10.1	10.0	1.2	30.0
Methyl tert-butyl ether	Ave	3.311	2.912		8.80	10.0	-12.0	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.586		8.68	10.0	-13.2	30.0
n-Hexane	Ave	2.177	1.661		7.63	10.0	-23.7	30.0
1,1-Dichloroethane	Ave	2.305	1.971		8.55	10.0	-14.5	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4420		7.42	10.0	-25.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.098		8.13	10.0	-18.7	30.0
Tetrahydrofuran	Ave	0.1887	0.1647		8.72	10.0	-12.7	30.0
Chloroform	Ave	2.638	2.604		9.87	10.0	-1.3	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5493		11.6	10.0	15.6	30.0
Cyclohexane	Ave	0.3427	0.2699		7.88	10.0	-21.2	30.0
Carbon tetrachloride	Ave	0.4637	0.5645		12.2	10.0	21.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9457		8.11	10.0	-18.9	30.0
Benzene	Ave	0.7557	0.5888		7.79	10.0	-22.1	30.0
1,2-Dichloroethane	Ave	0.2884	0.3253		11.3	10.0	12.8	30.0
n-Heptane	Ave	0.4261	0.3600		8.45	10.0	-15.5	30.0
Trichloroethene	Ave	0.3252	0.2950		9.07	10.0	-9.3	30.0
1,2-Dichloropropane	Ave	0.2579	0.2087		8.09	10.0	-19.1	30.0
Methyl methacrylate	Ave	0.2143	0.1774		8.28	10.0	-17.2	30.0
1,4-Dioxane	Ave	0.0879	0.0780		8.87	10.0	-11.3	30.0
Bromodichloromethane	Ave	0.4956	0.5260		10.6	10.0	6.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3583		9.08	10.0	-9.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Lab Sample ID: CCVC 200-35732/16 Calibration Date: 03/27/2012 09:09

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.3577		9.04	10.0	-9.6	30.0
Toluene	Ave	0.6036	0.4849		8.03	10.0	-19.7	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3730		9.87	10.0	-1.3	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2274		8.22	10.0	-17.8	30.0
Tetrachloroethene	Ave	0.4505	0.4078		9.05	10.0	-9.5	30.0
Dibromochloromethane	Ave	0.5267	0.5421		10.3	10.0	2.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.4489		8.87	10.0	-11.2	30.0
Chlorobenzene	Ave	0.7815	0.6466		8.27	10.0	-17.3	30.0
Ethylbenzene	Ave	1.224	1.071		8.75	10.0	-12.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.3997		16.4	20.0	-18.0	30.0
o-Xylene	Ave	0.4724	0.3861		8.17	10.0	-18.3	30.0
Styrene	Ave	0.7327	0.6080		8.30	10.0	-17.0	30.0
Bromoform	Ave	0.4668	0.4599		9.85	10.0	-1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5515		7.88	10.0	-21.2	30.0
4-Ethyltoluene	Ave	1.363	1.235		9.06	10.0	-9.4	30.0
2-Chlorotoluene	Ave	1.217	1.116		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.059		9.40	10.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.030		9.25	10.0	-7.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6183		8.19	10.0	-18.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6036		8.12	10.0	-18.8	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.5835		8.15	10.0	-18.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2756		7.58	10.0	-24.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2697		8.24	10.0	-17.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab Sample ID: CCVIS 200-35732/3 Calibration Date: 03/26/2012 12:04

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.280		11.2	10.0	11.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	3.076		9.04	10.0	-9.5	30.0
Chloromethane	Ave	1.033	0.8231		7.96	10.0	-20.4	30.0
Vinyl chloride	Ave	1.233	0.9816		7.96	10.0	-20.4	30.0
1,3-Butadiene	Ave	0.9312	0.7263		7.80	10.0	-22.0	30.0
Bromomethane	Ave	1.085	0.9400		8.66	10.0	-13.3	30.0
Chloroethane	Ave	0.6096	0.5008		8.21	10.0	-17.8	30.0
Vinyl bromide	Ave	1.151	0.9731		8.45	10.0	-15.5	30.0
Trichlorofluoromethane	Ave	3.030	3.545		11.7	10.0	17.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.142		9.11	10.0	-8.8	30.0
1,1-Dichloroethene	Ave	1.199	0.9667		8.06	10.0	-19.4	30.0
Acetone	Ave	1.414	1.546		10.9	10.0	9.3	30.0
Isopropanol	Ave	1.106	1.106		10.0	10.0	0.0	30.0
Carbon disulfide	Ave	3.589	2.930		8.16	10.0	-18.4	30.0
Allyl chloride	Ave	1.761	1.539		8.74	10.0	-12.6	30.0
Methylene Chloride	Ave	1.254	1.106		8.82	10.0	-11.8	30.0
tert-Butyl alcohol	Ave	1.571	1.723		11.0	10.0	9.7	30.0
Methyl tert-butyl ether	Ave	3.311	3.419		10.3	10.0	3.3	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.681		9.20	10.0	-7.9	30.0
n-Hexane	Ave	2.177	1.814		8.33	10.0	-16.7	30.0
1,1-Dichloroethane	Ave	2.305	2.082		9.03	10.0	-9.7	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.5104		8.57	10.0	-14.3	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.150		8.52	10.0	-14.8	30.0
Tetrahydrofuran	Ave	0.1887	0.1897		10.0	10.0	0.5	30.0
Chloroform	Ave	2.638	2.754		10.4	10.0	4.4	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5758		12.1	10.0	21.2	30.0
Cyclohexane	Ave	0.3427	0.2869		8.37	10.0	-16.3	30.0
Carbon tetrachloride	Ave	0.4637	0.5831		12.6	10.0	25.8	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.998		8.56	10.0	-14.4	30.0
Benzene	Ave	0.7557	0.6247		8.27	10.0	-17.3	30.0
1,2-Dichloroethane	Ave	0.2884	0.3392		11.8	10.0	17.6	30.0
n-Heptane	Ave	0.4261	0.3807		8.93	10.0	-10.6	30.0
Trichloroethene	Ave	0.3252	0.3022		9.29	10.0	-7.1	30.0
1,2-Dichloropropane	Ave	0.2579	0.2216		8.59	10.0	-14.1	30.0
Methyl methacrylate	Ave	0.2143	0.2100		9.80	10.0	-2.0	30.0
1,4-Dioxane	Ave	0.0879	0.0864		9.83	10.0	-1.7	30.0
Bromodichloromethane	Ave	0.4956	0.5457		11.0	10.0	10.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3801		9.63	10.0	-3.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab Sample ID: CCVIS 200-35732/3 Calibration Date: 03/26/2012 12:04

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.4181		10.6	10.0	5.7	30.0
Toluene	Ave	0.6036	0.4912		8.14	10.0	-18.6	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.4057		10.7	10.0	7.4	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2295		8.29	10.0	-17.0	30.0
Tetrachloroethene	Ave	0.4505	0.3960		8.79	10.0	-12.1	30.0
Dibromochloromethane	Ave	0.5267	0.5422		10.3	10.0	2.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.4489		8.87	10.0	-11.2	30.0
Chlorobenzene	Ave	0.7815	0.6527		8.35	10.0	-16.5	30.0
Ethylbenzene	Ave	1.224	1.142		9.33	10.0	-6.7	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.4213		17.3	20.0	-13.5	30.0
o-Xylene	Ave	0.4724	0.4128		8.74	10.0	-12.6	30.0
Styrene	Ave	0.7327	0.6394		8.72	10.0	-12.7	30.0
Bromoform	Ave	0.4668	0.4723		10.1	10.0	1.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5877		8.39	10.0	-16.1	30.0
4-Ethyltoluene	Ave	1.363	1.328		9.74	10.0	-2.6	30.0
2-Chlorotoluene	Ave	1.217	1.181		9.70	10.0	-2.9	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.146		10.2	10.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.118		10.1	10.0	0.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6542		8.66	10.0	-13.4	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6430		8.65	10.0	-13.4	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.6227		8.69	10.0	-13.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.3015		8.29	10.0	-17.0	30.0
Hexachlorobutadiene	Ave	0.3274	0.2935		8.96	10.0	-10.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab Sample ID: CCVC 200-35732/16 Calibration Date: 03/27/2012 09:09

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	2.932	3.106		10.6	10.0	5.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.401	2.948		8.67	10.0	-13.3	30.0
Chloromethane	Ave	1.033	0.7929		7.67	10.0	-23.3	30.0
Vinyl chloride	Ave	1.233	0.9333		7.57	10.0	-24.3	30.0
1,3-Butadiene	Ave	0.9312	0.6953		7.47	10.0	-25.3	30.0
Bromomethane	Ave	1.085	0.8964		8.26	10.0	-17.4	30.0
Chloroethane	Ave	0.6096	0.4629		7.59	10.0	-24.1	30.0
Vinyl bromide	Ave	1.151	0.9071		7.88	10.0	-21.2	30.0
Trichlorofluoromethane	Ave	3.030	3.382		11.2	10.0	11.6	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.349	2.011		8.56	10.0	-14.4	30.0
1,1-Dichloroethene	Ave	1.199	0.9192		7.66	10.0	-23.4	30.0
Acetone	Ave	1.414	1.333		9.43	10.0	-5.7	30.0
Isopropanol	Ave	1.106	1.021		9.23	10.0	-7.7	30.0
Carbon disulfide	Ave	3.589	2.746		7.65	10.0	-23.5	30.0
Allyl chloride	Ave	1.761	1.421		8.07	10.0	-19.3	30.0
Methylene Chloride	Ave	1.254	1.043		8.31	10.0	-16.9	30.0
tert-Butyl alcohol	Ave	1.571	1.589		10.1	10.0	1.2	30.0
Methyl tert-butyl ether	Ave	3.311	2.912		8.80	10.0	-12.0	30.0
1,2-Dichloroethene, trans-	Ave	1.826	1.586		8.68	10.0	-13.2	30.0
n-Hexane	Ave	2.177	1.661		7.63	10.0	-23.7	30.0
1,1-Dichloroethane	Ave	2.305	1.971		8.55	10.0	-14.5	30.0
Methyl Ethyl Ketone	Ave	0.5957	0.4420		7.42	10.0	-25.8	30.0
1,2-Dichloroethene, cis-	Ave	1.350	1.098		8.13	10.0	-18.7	30.0
Tetrahydrofuran	Ave	0.1887	0.1647		8.72	10.0	-12.7	30.0
Chloroform	Ave	2.638	2.604		9.87	10.0	-1.3	30.0
1,1,1-Trichloroethane	Ave	0.4751	0.5493		11.6	10.0	15.6	30.0
Cyclohexane	Ave	0.3427	0.2699		7.88	10.0	-21.2	30.0
Carbon tetrachloride	Ave	0.4637	0.5645		12.2	10.0	21.7	30.0
2,2,4-Trimethylpentane	Ave	1.165	0.9457		8.11	10.0	-18.9	30.0
Benzene	Ave	0.7557	0.5888		7.79	10.0	-22.1	30.0
1,2-Dichloroethane	Ave	0.2884	0.3253		11.3	10.0	12.8	30.0
n-Heptane	Ave	0.4261	0.3600		8.45	10.0	-15.5	30.0
Trichloroethene	Ave	0.3252	0.2950		9.07	10.0	-9.3	30.0
1,2-Dichloropropane	Ave	0.2579	0.2087		8.09	10.0	-19.1	30.0
Methyl methacrylate	Ave	0.2143	0.1774		8.28	10.0	-17.2	30.0
1,4-Dioxane	Ave	0.0879	0.0780		8.87	10.0	-11.3	30.0
Bromodichloromethane	Ave	0.4956	0.5260		10.6	10.0	6.1	30.0
1,3-Dichloropropene, cis-	Ave	0.3946	0.3583		9.08	10.0	-9.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Lab Sample ID: CCVC 200-35732/16 Calibration Date: 03/27/2012 09:09

Instrument ID: C.i Calib Start Date: 02/24/2012 10:02

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 02/24/2012 15:53

Lab File ID: ckqv016.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvc 302592

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
methyl isobutyl ketone	Ave	0.3957	0.3577		9.04	10.0	-9.6	30.0
Toluene	Ave	0.6036	0.4849		8.03	10.0	-19.7	30.0
1,3-Dichloropropene, trans-	Ave	0.3778	0.3730		9.87	10.0	-1.3	30.0
1,1,2-Trichloroethane	Ave	0.2767	0.2274		8.22	10.0	-17.8	30.0
Tetrachloroethene	Ave	0.4505	0.4078		9.05	10.0	-9.5	30.0
Dibromochloromethane	Ave	0.5267	0.5421		10.3	10.0	2.9	30.0
1,2-Dibromoethane	Ave	0.5058	0.4489		8.87	10.0	-11.2	30.0
Chlorobenzene	Ave	0.7815	0.6466		8.27	10.0	-17.3	30.0
Ethylbenzene	Ave	1.224	1.071		8.75	10.0	-12.5	30.0
m-Xylene & p-Xylene	Ave	0.4872	0.3997		16.4	20.0	-18.0	30.0
o-Xylene	Ave	0.4724	0.3861		8.17	10.0	-18.3	30.0
Styrene	Ave	0.7327	0.6080		8.30	10.0	-17.0	30.0
Bromoform	Ave	0.4668	0.4599		9.85	10.0	-1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7001	0.5515		7.88	10.0	-21.2	30.0
4-Ethyltoluene	Ave	1.363	1.235		9.06	10.0	-9.4	30.0
2-Chlorotoluene	Ave	1.217	1.116		9.16	10.0	-8.4	30.0
1,3,5-Trimethylbenzene	Ave	1.126	1.059		9.40	10.0	-6.0	30.0
1,2,4-Trimethylbenzene	Ave	1.113	1.030		9.25	10.0	-7.5	30.0
1,3-Dichlorobenzene	Ave	0.7551	0.6183		8.19	10.0	-18.1	30.0
1,4-Dichlorobenzene	Ave	0.7429	0.6036		8.12	10.0	-18.8	30.0
1,2-Dichlorobenzene	Ave	0.7161	0.5835		8.15	10.0	-18.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3635	0.2756		7.58	10.0	-24.2	30.0
Hexachlorobutadiene	Ave	0.3274	0.2697		8.24	10.0	-17.6	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9970-1

SDG No.:

Instrument ID: C.i Start Date: 03/26/2012 10:21

Analysis Batch Number: 35732 End Date: 03/27/2012 09:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35732/1		03/26/2012 10:21	1	ckqv001.d	RTX-624 0.32(mm)
CCVIS 200-35732/2		03/26/2012 11:12	1		RTX-624 0.32(mm)
CCVIS 200-35732/3		03/26/2012 12:04	1	ckqv003.d	RTX-624 0.32(mm)
MB 200-35732/4		03/26/2012 12:54	1	ckqv004.d	RTX-624 0.32(mm)
LCS 200-35732/5		03/26/2012 13:44	1	ckqv005.d	RTX-624 0.32(mm)
LCS 200-35732/6		03/26/2012 14:34	1	ckqv006.d	RTX-624 0.32(mm)
LCS 200-35732/7		03/26/2012 15:32	1	ckqv007.d	RTX-624 0.32(mm)
ZZZZZ		03/26/2012 16:21	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 17:11	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 18:01	0.4		RTX-624 0.32(mm)
200-9970-11	3081	03/26/2012 18:51	0.4	ckqv011.d	RTX-624 0.32(mm)
ZZZZZ		03/26/2012 19:41	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 20:31	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 21:21	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 22:12	1		RTX-624 0.32(mm)
CCVC 200-35732/16		03/27/2012 09:09	1	ckqv016.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NJ

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 2450352	Instrument ID: C
Test Method: TO15/TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial	KAD Kristine Dusablon	William DeJardin	Angela H. Keene	PAD Paul Daigle	
Signature	Kristine Dusablon	William DeJardin	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	OK
0912	002	4632	VIBLK		1	200		✓	✓	WRD	—
1002	003	3570	IC Level 8		2	40		NA	✓	(WRD)	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	ICIS Level 4	2nd set	5				✓	✓	275682
1413	008	3643	IC Level 5	2nd set	6				✓		279073
1503	009	3557	IC Level 6	2nd set	7				✓		279072
1553	010	3631	IC Level 7	2nd set	8				✓		275630
1643	011	4632 VIBLK	IC Level 8	2nd set	1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			—	✓		—
1823	013	2960			9			✓	NA		290911 Value Missed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA	⊥	290911 Value Entered
2234	~~016~~ 018	4632	MB		1	⊥		✓	✓	AHK	OK
2324	017 019	5033	680-26954-1	10	10	20	WRD	—	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓↓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 53424 C
0246	021 023	4565	-5	964	14	35	↓	✓ KLP 2/28/12	✓	✓	CDF 16878 RR 0K
0337	022 024	4471	9412-17	2.99	15	67	WRD	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 12.01 C
0659	026 028	4012	-21	1.25	24	160		✓	✓		C
0750	027 029	2678	-22	10	4.5	20	↓	✓	✓	⊥	C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	CKQ	Start Date:	2/24/12 Time: 0822	ISTD Lot #:	345052	Instrument ID: C
Test Method:	TCLP / TOPS 1,4	End Date:	2/25/12 Time: 0022	CAL STD Lot #	See comments	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot #	↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
~~CKQ 028~~		4477	9412-23	10	6	20					
~~↓ 025~~		3044	-24	10.1	7	30					CDF/52
2054	CKQ 016	2960	ICV	NA	4	200	WRD	✓	✓	AHR	290711, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHR	290711, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQV	Start Date: 03/26/12	Time: 1021	ISTD Lot #: 248052	Instrument ID: C
Test Method: NJ-LL	End Date: 03/27/12	Time: 1021	CAL STD Lot # 302592	Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager	Analyst	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	Paul Daigle	Angela H. Keene		
Signature	Mark Phillips	Paul D. PAD	Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1021	CKQV001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1112	002	3040	N/A		1	200		↓	↑	↓	R
1204	003	↓	CCVIS		1	200		↓	✓		AG
1254	004	4633	MB		2	200		✓	✓		
1344	005	5015	0.2RLLCS		3	200		✓	✓		AG 303351
1434	006	4837	0.5RLLCS		4	200		✓	✓		AG 303354
1532	007	3544	5.0RLLCS	↓	5	200		✓	✓	↓	AG 302596
1621	008	4288	10017-03	0.4	6	500		✓	✓	AHK	C
1711	009	2686	9999-01		7			✓	✓		C
1801	010	4307	9998-03		8			✓	✓		C
1851	011	3081	9970-11		9			✓	✓		C
1941	012	2789	9978-07	↓	10	↓		✓	✓	↓	C
2031	013	3190	9735-09	1	11	200		✓	✓	PAD	C
2121	014	4809	-12		12			✓	✓		C
2212	015	3414	-13		13			✓	✓	↓	C
	~~016~~	~~4261~~	~~-14~~		~~14~~						
	017	5111	-15		15						
	018	3289	-16	↓	16	↓					DNR
	019	2859	9749-02	1	1	200					PAD
	020	3162	9750-14	10	2	20					3/27/12
	021	5063	-15		3						
	022	5120	-16		4						
	023	3369	-17		5		↓				
	024	5075	-18	↓	6	↓	AHK				
	025	5048	9930-02	X	7	200	↓				
	~~026~~	~~2596~~	~~-03~~	↓	~~8~~	~~200~~	↓				
0909	~~027~~ 016	3040	CCVC	NA	9	200	↓	✓	✓	PAD	302592 AG

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

Page 307 of 312

04/13/2012

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Instrument ID: C.i Start Date: 02/24/2012 08:22

Analysis Batch Number: 34198 End Date: 02/24/2012 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-34198/1		02/24/2012 08:22	1	ckq001.d	RTX-624 0.32(mm)
VIBLK 200-34198/2		02/24/2012 09:12	1		RTX-624 0.32(mm)
VIBLK 200-34198/3		02/24/2012 10:02	1		RTX-624 0.32(mm)
IC 200-34198/4		02/24/2012 10:52	1	ckq004.d	RTX-624 0.32(mm)
IC 200-34198/5		02/24/2012 11:42	1	ckq005.d	RTX-624 0.32(mm)
IC 200-34198/6		02/24/2012 12:32	1	ckq006.d	RTX-624 0.32(mm)
ICIS 200-34198/7		02/24/2012 13:22	1	ckq007.d	RTX-624 0.32(mm)
IC 200-34198/8		02/24/2012 14:13	1	ckq008.d	RTX-624 0.32(mm)
IC 200-34198/9		02/24/2012 15:03	1	ckq009.d	RTX-624 0.32(mm)
IC 200-34198/10		02/24/2012 15:53	1	ckq010.d	RTX-624 0.32(mm)
VIBLK 200-34198/11		02/24/2012 16:43	1		RTX-624 0.32(mm)
VIBLK 200-34198/12		02/24/2012 17:33	1		RTX-624 0.32(mm)
ICV 200-34198/13		02/24/2012 18:23	1		RTX-624 0.32(mm)
VIBLK 200-34198/14		02/24/2012 19:14	1		RTX-624 0.32(mm)
ZZZZZ		02/24/2012 20:04	1		RTX-624 0.32(mm)
ICV 200-34198/16		02/24/2012 20:54	1	ckq016.d	RTX-624 0.32(mm)
ZZZZZ		02/24/2012 21:44	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-9998-1

SDG No.:

Instrument ID: C.i Start Date: 03/26/2012 10:21

Analysis Batch Number: 35732 End Date: 03/27/2012 09:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-35732/1		03/26/2012 10:21	1	ckqv001.d	RTX-624 0.32(mm)
CCVIS 200-35732/2		03/26/2012 11:12	1		RTX-624 0.32(mm)
CCVIS 200-35732/3		03/26/2012 12:04	1	ckqv003.d	RTX-624 0.32(mm)
MB 200-35732/4		03/26/2012 12:54	1	ckqv004.d	RTX-624 0.32(mm)
LCS 200-35732/5		03/26/2012 13:44	1	ckqv005.d	RTX-624 0.32(mm)
LCS 200-35732/6		03/26/2012 14:34	1	ckqv006.d	RTX-624 0.32(mm)
LCS 200-35732/7		03/26/2012 15:32	1	ckqv007.d	RTX-624 0.32(mm)
ZZZZZ		03/26/2012 16:21	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 17:11	0.4		RTX-624 0.32(mm)
200-9998-3	4307	03/26/2012 18:01	0.4	ckqv010.d	RTX-624 0.32(mm)
ZZZZZ		03/26/2012 18:51	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 19:41	0.4		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 20:31	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 21:21	1		RTX-624 0.32(mm)
ZZZZZ		03/26/2012 22:12	1		RTX-624 0.32(mm)
CCVC 200-35732/16		03/27/2012 09:09	1	ckqv016.d	RTX-624 0.32(mm)

GC/MS INSTRUMENT RUN LOG

batch 34117 / 34198 NS

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQ	Start Date: 2/24/12	Time: 0822	ISTD Lot #: 345653 2	Instrument ID: C
Test Method: TO15 / TO15LLNJ	End Date: 2/25/12	Time: 0822	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 2/24/12			ICV / LCS Lot # 290911	Column Type: RTX-624

	Manager PAD	Analyst WD	Analyst HK	Analyst PAD	Analyst
Name/Initial	Kristine Dusablon	William DeJordan	Angela H. Keene	Paul Daigle	
Signature	Kristine Dusablon	William DeJordan	Angela H. Keene	Paul Daigle PAD	

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0822	CKQ 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	OK
0912	002	4632	VIBLK		1	200		✓	✓	HKO	—
1002	003	3570	IC Level 8		2	40		NA	✓	HKO	279316
1052	004	3570	IC Level 1		2	200			✓		279316
1142	005	2603	IC Level 2		3				✓		279315
1232	006	3093	IC Level 3		4				✓		275709
1322	007	3543	ICIS Level 4		5				✓	✓	275682
1413	008	3643	IC Level 5		6				✓		279073
1503	009	3551	IC Level 6		7				✓		279072
1553	010	3631	IC Level 7		8				✓		275630
1643	011	4632 VIBLK	IC Level 8		1			✓	✓	AHK	—
1733	012	4632	VIBLK		1			✓	✓		—
1823	013	2960			9			✓	NA		290911 Value Closed
1914	014	4632	VIBLK		1			✓	✓		—
2004	015	2960		—	9			✓	NA	✓	290911 Value Closed
2234	~~016~~ 018	4632	MB		1	⊥		✓	✓	AHK	OK
2324	017 019	5033	680-76954-1	10	10	20	WD	✓	✓		C
0015	018 020	4084	-2	25.1	11	29		✓	✓↓		CDF 3.64 C, RR
0105	019 021	4374	-3	1	12	200		✓	✓		C
0155	020 022	2977	-4	999	13	107		✓	✓		CDF 33.24 C
0246	021 023	4565	-5	964	14	35		✓ KLP 2/28/12	✓	✓	CDF 168.78 RR OK
0337	022 024	4471	9412-17	2.99	15	67	HKO	✓	✓		C KLP 2/28/12
0427	023 025	2855	-18	2	16	100		✓	✓		C
0518	024 026	4070	-19	28.1	12	34		✓	✓		CDF 4.77 C
0609	025 027	3459	-20	131	23	26		✓	✓		CDF 17.01 C
0659	026 028	4012	-21	1.25	14	160		✓	✓		C
0750	027 029	2678	-22	10	4,5	20		✓	✓	⊥	C

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability	Instrument Information
Batch ID:	CKQ	Start Date:	2/24/12 Time: 0822	ISTD Lot #: 345052	Instrument ID: C
Test Method:	TCLJ / TOKLL	End Date:	2/25/12 Time: 0022	CAL STD Lot # See comments	Instrument: 5973
ICAL Date:	02/24/12			ICV / LCS Lot # ↓	Column Type: RTX-624

	Manager	Analyst	Analyst	Analyst	Analyst
Name/Initial					
Signature					

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
	~~CKQ 028~~	4477	9412-23	10	6	20					
	~~↓ 029~~	5044	-24	10.1	7	30					CDF/LS2
2054	CKQ 016	2960	ICV	NA	9	200	WRD	✓	✓	AHK	290711, AG
2144	↓ 017	2960	LCS	NA	9	200	↓	✓	✓	AHK	290911, AG

2/27/12

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: CKQV	Start Date: 03/26/12	Time: 1021	ISTD Lot #: 248052	Instrument ID: C
Test Method: NJ-LL	End Date: 03/27/12	Time: 1021	CAL STD Lot # 302592	Instrument: 5973
ICAL Date: 02/24/12			ICV / LCS Lot # see comments	Column Type: RTX-624

	Manager	Analyst	Analyst AHK	Analyst	Analyst
Name/Initial	Mark Phillips	Paul Daigle	Angela H. Keene		
Signature	Mark Phillips	Paul D. PAD	Angela H. Keene		

Sequence Information								Individual Sample Review			
Injection Time	TALS ID / File Name	Summa Can ID	ETR	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1021	CKQV001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1112	002	3040	N/A		1	200			↑		R
1204	003	〃	CCVIS		1	200		〃	✓		AG
1254	004	4633	MB		2	200		✓	✓		
1344	005	5015	0.2RLLCS		3	200		✓	✓		AG 303351
1434	006	4837	0.5RLLCS		4	200		✓	✓		AG 303354
1532	007	3544	5.0RLLCS	〃	5	200		✓	✓	⊥	AG 302596
1621	008	4288	10017-03	0.4	6	500		✓	✓	AHK	C
1711	009	2686	9999-01		7			✓	✓		C
1801	010	4307	9998-03		8			✓	〃		C
1851	011	3081	9970-11		9			✓	✓		C
1941	012	2789	9978-07	〃	10	⊥		✓	〃	⊥	C
2031	013	3790	9735-09	1	11	200		✓	✓	PAD	C
2121	014	4809	-12		12			✓	✓		C
2212	015	3414	-13		13			✓	✓	〃	C
	~~016~~	~~4261~~	~~-14~~		~~14~~						
	017	5111	-15		15						
	018	3289	-16	〃	16	⊥					DNR
	019	2859	9749-02	1	1	200					PAD
	020	3162	9750-14	10	2	20					3/27/12
	021	5063	-15		3						
	022	5120	-16		4						
	023	3369	-17		5		〃				
	024	5075	-18	〃	6	⊥	AHK				
	025	5048	9930-02	1	7	200					
	~~026~~	~~2596~~	~~-03~~	〃	~~8~~	~~200~~	〃				
0909	~~027~~ 016	3040	CCVC	NA	9	200	⊥	✓	✓	PAD	302592 AG

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

Page 312 of 312

04/13/2012