Vapor Intrusion Characterization Report (Revision 1.0)

Walter Coke
Former Chemical Plant
3500 35th Avenue North
Birmingham, Alabama
US EPA ID No. ALD 000 828 848

February 5, 2015
Terracon Project No. E1137075

Prepared for:
Walter Coke
Birmingham, Alabama

Prepared by:
Terracon Consultants, Inc.
Birmingham, Alabama

February 5, 2015
Walter Coke
3500 35th Avenue North
Birmingham, Alabama 35207

Attention: Mr. Don Wiggins

Re: **Vapor Intrusion Characterization Report**
Walter Coke
Former Chemical Plant
3500 35th Avenue North
Birmingham, Alabama 35207
US EPA ID No. ALD 000 828 848
Terracon Project No. E1137075

Dear Mr. Wiggins:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Vapor Intrusion Characterization (VIC) Report for activities in conjunction with the site referenced above. The VIC Report presents the results of the VIC conducted in accordance with the approved VIC Work Plan (Revision 2.0) dated June 20, 2014 and approved by the USEPA on July 28, 2014.

Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Terrell W. Rippstein, AL-PG #8
Principal Geologist

Lisa Sharma for

Dallas Whitmill, AL-PE#33070
Senior Project Engineer

Tables

Exhibit

CERCLA ..... Comprehensive Environmental Response, Compensation, and Liability Act
City ..... City of Birmingham
COC ..... Chain of Custody
EPA ..... Environmental Protection Agency
Facility ..... Walter Coke, Inc. Former Chemical Plant facility
FCP ..... Former Chemical Plant
HASP ..... Health and Safety Plan
NELAC ..... National Environmental Laboratory Accreditation Conference
PCE ..... Tetrachloroethene (or Perchloroethene)
PID ..... Photoionization Detector
ppm ..... parts per million
QA ..... Quality Assurance
QAM ..... Quality Assurance Manual
QAPP ..... Quality Assurance Project Plan
QC ..... Quality Control
RCRA ..... Resource Conservation and Recovery Act
SOP ..... Standard Operating Procedure
SOW ..... Statement of Work
TCE ..... Trichloroethene
TestAmerica ..... TestAmerica, Inc.
TSOP ..... Terracon Standard Operating Procedure
UAO ..... Unilateral Administrative Order
USEPA ..... United States Environmental Protection Agency
VIC ..... Vapor Intrusion Characterization
VICWP ..... Vapor Intrusion Characterization Work Plan
VI ..... Vapor Intrusion
VOC ..... Volatile Organic Compound

VAPOR INTRUSION CHARACTERIZATION REPORT
WALTER COKE
FORMER CHEMICAL PLANT
3500 35th AVENUE NORTH
BIRMINGHAM, ALABAMA

Project No. E1137075
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1.0 INTRODUCTION

Terracon has prepared this Vapor Intrusion Characterization (VIC) Report to document the evaluation of the potential for vapor intrusion (VI) in off-site areas related to the apparent presence of certain chemicals in shallow groundwater proximal to the Walter Coke Former Chemical Plant (FCP) Facility.

The activities performed during the VIC were performed in accordance with the VIC Work Plan (VICWP Revision 2.0) dated June 20, 2014 and approved by the United States Environmental Protection Agency (USEPA) on July 28, 2014.

1.1 Summary of Conclusions

This Report concludes that multiple lines of evidence show that no further action is needed or warranted with respect to the potential for vapor intrusion, and those multiple lines of evidence include:

- Crawlspace sampling benzene results indicate that no further action is needed or warranted with respect to potential vapor intrusion because, as described in Section 7.2.2,
  - these results are below or consistent with background ambient air concentrations,
  - this consistency with background indicates that vapor intrusion is not occurring or presents essentially no potential to increase concentrations in indoor air, and that the crawlspace sampling benzene results are driven by background ambient air concentrations,
  - trends in soil vapor and crawlspace sampling results support the conclusion that crawlspace sample benzene results are driven by background ambient air concentrations, and
  - EPA has already determined that the concentrations reflected in the crawlspace sampling benzene results (individually and on average) fall within EPA's acceptable risk range.

- Soil vapor benzene results indicate that no further action is needed or warranted with respect to potential vapor intrusion because the results show that Walter Coke's operation of the hydraulic control system is controlling soil vapor concentrations such that there is no or minimal apparent risk of vapor intrusion. (See Section 7.2.3.)
- During the most recent groundwater sampling event (February 2014), no VOC concentrations in excess of the MCLs were noted in any off-site groundwater monitoring well, demonstrating (1) the effectiveness of the hydraulic control system on plume control and (2) further reduced potential for vapor intrusion at off-facility properties. (See Section 1.4.)
- No constituents other than benzene exceeded a screening level in the crawlspace samples or the soil vapor samples. (See Section 7.2.2.)
- An uncertainty analysis is provided in Section 8.0.

1.2 Site Conditions

The Walter Coke FCP facility is a portion of an irregularly shaped parcel located at 3500 35th Avenue North in Birmingham, Alabama. A Site Map of the Walter Coke facility is included as Figure 1 in Exhibit A which includes the location of the FCP – SMA 4. A Topographic Map is included as Figure 2 in Exhibit A.

In 1920, two coke oven batteries were constructed at the Walter Coke Facility for production of coke fuel (produced from coal). An additional three coke furnaces were constructed in the 1950s. The overall plant processed coal to produce coke, and the FCP was constructed to support the coke manufacturing activities. The FCP has since ceased operations, and the associated buildings have been razed.

The FCP is adjoined by other portions of the Walter Coke plant to the north, south and west, and single family residential housing across a street to the east.

1.3 Previous Onsite Assessment Activities

Walter Coke conducted a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI). During the RFI, a groundwater plume was identified in the FCP located at the northeastern edge of the actively operating portion of the facility (Figure 3, Exhibit A). Chemicals identified in groundwater beneath the FCP at concentrations above their respective maximum contaminant levels (MCLs) include benzene, toluene, chlorobenzene, perchloroethene (PCE), trichloroethene (TCE), trans-1,2-dichloroethene (t-DCE), 1,1-dichloroethene (1,1-DCE) and vinyl chloride (VC). For RCRA purposes, this plume has been termed AOC D.

1.4 Interim Measures

An Interim Measures Work Plan (IMWP), prepared and submitted to the U.S. Environmental Protection Agency (EPA) in February 2002, included a detailed description of the conceptual geologic and hydrogeologic model for the site, which would affect groundwater flow from the FCP, along with an evaluation of several remedial options to reduce the chemical mass beneath the FCP and to prevent offsite migration of affected groundwater. An addendum to the 2002 IMWP was submitted to EPA in February 2011 to address EPA's comments on the original submittal. On April 16, 2012, EPA approved the IMWP, specifically approving Sections 2 and 5 of the original 2002 submittal and the 2011 Addendum, pending modification per EPA's comments.

The Final Groundwater IMWP focuses on the installation of a groundwater hydraulic control system to limit AOC D's migration.

The IMWP was implemented and the hydraulic control system startup occurred in April 2013. Figure 3 (Exhibit A) illustrates AOC D during the April 2013 groundwater monitoring event conducted prior to the hydraulic control system startup. Note the only offsite monitoring well which had VOC constituents exceeding the EPA Regional Screening Levels (RSLs, November 2014) was MW-50, which is located on Walter Coke property across a street from the facility. Figure 4 (Exhibit A) illustrated the VOC constituents exceeding the RSLs in the groundwater samples collected from the most recent sampling event conducted in February 2014. During the February 2014 groundwater sampling event, no VOCs exceeding the RSLs were detected in monitoring well MW-50 or any of the other off-site monitoring wells, demonstrating (1) the effectiveness of the interim measure on plume control and (2) further reduced potential for vapor intrusion at off-facility properties. The annual groundwater monitoring report will be submitted to EPA at the completion of four quarters of groundwater monitoring.

1.5 EPA North Birmingham Air Toxics Risk Assessment

EPA conducted an air toxics study from June 2011 through August 2012 and provided an Air Toxics Risk Assessment Report (ATRA) dated March 2013. One of the air monitoring sites was the Shuttlesworth Station Site which is located a block from the Walter Coke facility and near the Study Area. Based on the statistical summary for the Shuttlesworth Station Air Monitor, the 95% Upper Confidence Limit (UCL) for ambient benzene at the station was 5.125 ug/m^3. Using highly protective exposure assumptions, the study concluded that this benzene concentration fell within the acceptable excess cancer risk range of $1x10^{-4}$ to $1x10^{-6}$. Also, because ambient air quality is a component of "background" for vapor intrusion purposes [see Draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air at 24-25, 58-59 (April 2013)], the ATRA also provides a robust dataset for understanding "background" concentrations of benzene in ambient air.

1.6 Project Objectives

The objective of the VIC was to determine the nature and extent of soil vapor impact, if any, in residential areas adjoining the FCP to the east. This Report analyzes the results of the vapor sampling to evaluate whether there is a need for vapor intrusion interim measures, or potential corrective actions, or no further actions are necessary.

In this report, a multiple lines of evidence approach is used to evaluate whether follow-up actions need to be taken with respect to vapor intrusion, if any, from AOC D. Individual results from multiple sampling events, multiple seasons, and all media, in addition to other pertinent site-specific information, will be considered in this evaluation. Ultimately, this evaluation shows that no further action is needed or warranted.

2.0 SCOPE OF SERVICES

The VIC for the area east of the FCP was designed to evaluate the potential vapor intrusion pathway. Activities performed during the VIC included the installation of vapor monitoring points, the collection of vapor samples, ambient air sampling, and crawl space vapor sampling beneath one residence.

2.1 Study Area

The study area for the VIC is the area immediately east of the FCP. The study comprised the property associated with the residence located at 4081 FL Shuttlesworth Drive, and the adjacent property to the south (4077 FL Shuttlesworth Drive) which is owned by Walter Coke (Figure 5, Exhibit A).

2.2 Sampling Activities

2.2.1 Site Access

Jessie Herrod was identified as the property owner for the residence located at 4081 FL Shuttlesworth Drive. A standard Terracon Access Agreement was signed by Mr. Herrod on April 5, 2013 and is included as Exhibit B.

2.2.2 Sampling

Four permanent soil vapor monitoring points were installed on May 1, 2013, at the locations shown on Figure 5. Two of the soil vapor monitoring points (designated SVP-1 and SVP-2) were installed between the residence and the groundwater plume and within 10 feet of the crawl space of the

residence located at 4081 FL Shuttlesworth Drive. The other two vapor monitoring points (designated SVP-3 and SVP-4) are located on the downgradient (eastern) edge of the 4081 FL Shuttlesworth property and the property adjacent to the south (owned by Walter Coke) downgradient of the groundwater plume.

Soil vapor samples were collected on a quarterly basis (May 2013, August 2013, November 2013, and February 2014) for a period of one year from the four vapor points. In addition, crawlspace sampling of the residence located at 4081 FL Shuttlesworth Drive and ambient air sampling were conducted in concurrence with the vapor point sampling.

2.3 Health and Safety

The vapor point installation and the vapor sampling were performed in accordance with the site-specific Health and Safety Plan (HASP) prepared for the site. The personnel in the work area performed activities using an OSHA Level D work uniform consisting of hard hats, safety glasses, protective gloves, and steel-toed boots.

2.4 Site Access Protocol

Terracon notified Mr. Herrod at least 48 hours in advance of field activities. The sampling port installation and/or crawlspace air sampling were scheduled at a time convenient for Mr. Herrod, and the property was left in a manner compliant with the terms of the access agreement.

3.0 METHODOLOGIES

3.1 Soil Vapor Monitoring Point Installation

The soil vapor monitoring point installation was conducted based on the EPA and ITRC guidance. Four 1-inch diameter borings were drilled between 3- to 4.8- feet deep using direct push drilling technology, a 1.5-inch long soil gas probe was placed in the bottom of each boring and a section of 1/8-inch diameter teflon tubing was extended from the probe to above the ground surface. A ball valve was placed at the top of the tubing. Sand was then placed from the bottom of the boring to between 1- to 2-feet above the top of the vapor point. A bentonite seal was then placed on top of the sand and hydrated. A traffic rated well box was then installed to protect the vapor sampling ports. Construction logs for the soil vapor points are included as Exhibit C.

3.2 Soil Vapor Sampling Methodology

The soil vapor monitoring points were allowed to equilibrate for over 48 hours prior to sampling. The volume of air within the polyethylene tubing was calculated and purged prior to collection of

the soil vapor samples. The soil vapor samples were collected by attaching the top end of the tubing to a six-liter Summa canister equipped with a 200 cubic centimeter per minute flow control valve and vacuum gauge with an in-line paper filter/moisture trap. The vacuum in the Summa canister before and after sampling was recorded on the Soil Vapor/Indoor Air Sampling Information Form. The valve of the Summa canister was opened and the soil vapor gas allowed to flow into the Summa canister for a period of 30-minutes. The vacuum gauge was monitored to check progress of the canister filling. The Summa canister valve was then closed and submitted for laboratory analysis. Sample collection was ceased prior to the full dissipation of vacuum on the summa canisters.

After the soil gas sample had been collected, a photoionization detector (PID) was connected to the tubing to measure the organic vapor concentration. The PID readings were recorded on the Soil Vapor/Indoor Air Sampling Information Form (Exhibit D). A chain-of-custody (COC) was filled out indicating the sample identification, sampling time and equipment identifiers, and shipped along with the canisters to the laboratory for analysis.

3.3 Crawlspace Sampling Methodology

Crawlspace sampling was conducted for the residence located at 4081 FL Shuttlesworth Drive during the four quarterly events.

Crawlspace air samples were collected using a six-liter, certified-clean, Summa canister with a 24-hour flow controller supplied by the laboratory. The vacuum pressure of the canisters was recorded before sampling and at the end of sampling. Crawlspace samples were collected from as close to the center of the crawlspace as possible.

Terracon field personnel connected the flow controller to the Summa canister by removing the brass cap on the canister and tightening the stainless steel Swagelok fitting on the flow controller to the threads on the canister. This required the use of a wrench to firmly tighten the fitting. Field personnel did not use Teflon tape, sealant, or over tighten the fittings.

A Terracon Soil Vapor/Indoor Air Sampling Information Form (project information, equipment identifiers, sample location, and start time) was filled out and attached to the canister.

To open the canister, the valve was rotated counter-clockwise. After 24-hours passed, Terracon personnel returned to the residence, closed the valve on the canister and recorded the time and vacuum remaining in the Summa canister on the Terracon Soil Vapor/Indoor Air Sampling Information Form. The canisters and flow controllers were shipped to the laboratory under chain-of-custody.

Duplicate samples were collected from the crawlspace during the four quarterly sampling events. The Duplicate samples were collected using the same methodology as the crawlspace air

samples. Copies of the Soil Vapor/Indoor Air Sampling Information Forms are included as Exhibit D.

3.4 Ambient Air Sampling Methodology

Ambient (outdoor) air samples were collected using a six-liter, certified-clean, Summa canister with a 24-hour flow controller supplied by the laboratory during each quarterly sampling event. Ambient air sampling began approximately 1 hour before the crawlspace air sampling was initiated and continued for 30 minutes after the crawlspace air sampling was completed. The sample location was selected based on a forecast of the prevailing wind direction for the 24-hour sampling period so that the canister would be placed upwind from the residence. The ambient air samples were collected from approximately between 4.5 feet to 5.0 feet off the ground. Ambient air samples were not collected near buildings. Copies of the Soil Vapor/Indoor Air Sampling Information Forms are included as Exhibit D.

4.0 LABORATORY ANALYSIS

The soil vapor, crawlspace air, and ambient air samples were collected using six-liter Summa canisters. The Summa canisters were submitted for analysis of volatile organic compounds (VOCs) using Modified EPA Method TO-15. The method detection limit (MDL) is less than the screening levels for each constituent.

Laboratory analysis was performed by ESC Lab Sciences (ESC), of Mt. Juliet, Tennessee. ESC is NELAC accredited for the laboratory method referenced above. The laboratory QAM is on file with the USEPA. The ESC SOPs were presented in the EPA approved VIWP.

5.0 QUALITY ASSURANCE/QUALITY CONTROL

This section describes adherence to the requirements and provisions for sample quality assurance and quality control in the field and during sample transport to the laboratory. The transfer of sample custody was limited to Terracon personnel, the laboratory courier, and the fixed based laboratory personnel. The primary objective of custody requirements for this project was simply to track that samples were handled by authorized personnel and document that handling occurred within the parameters of the approved VIWP. The outline for sample handling and custody was as follows:

- The Terracon project manager briefed sampling personnel on custody procedures.
- Samples were in the custody of the field team at the site or in a secure location until they were transferred to the fixed based laboratory.

- Samples were removed from the project site on a daily basis and transported to the laboratory.
- The fixed base laboratory implemented tracking and custody documentation.
- Post-analysis samples were disposed of properly.
- Chain of Custody (COC) documentation is maintained by Terracon after reporting.

COC protocol was followed during all phases of the sample collection, storage, shipment, and analytical procedures. Maintaining the COC in the field was the responsibility of the Terracon project professional. The Terracon project professional performed the collection, handling, and shipment of samples collected from the site.

Samples collected in the field were labeled and then stored in a secure location from the time of collection through transfer to the fixed base laboratory. Soil gas and air samples were collected using laboratory prepared and certified clean Summa canisters. Soil gas and air samples were kept at ambient temperature and were analyzed for VOCs by EPA Method TO-15.

Laboratory Sample Requirements

Analysis and Method	Media	Container	Preservative	Holding Time
VOCs[1] by EPA Method TO-15	Air	six-liter Summa Canister Individual Certified Clean	None	14 days[2]

[1] - VOCs to include benzene, chlorobenzene, ethylbenzene, PCE, TCE, VC, t-DCE, c-DCE, 1,1-DCE, toluene, and xylenes

[2] - Stability studies indicate TO-15 samples can be held up to 30 days.

A COC record accompanied each set of samples during collection and shipment. Each COC record was filled out and signed in permanent ink by the Terracon project professional. The COC records include the following information: project name and number, sample designation, date and time of collection, samplers name, number of sample containers, type of matrix, preservatives, analysis to be performed, signature of laboratory person(s) receiving samples, and inclusive dates/times of possession. Original COC documents placed in laboratory shipping containers were bagged in Ziploc® plastic bags for protection against moisture and damage. A carbon copy was made of the COC record before sealing and placing it in the shipping container for shipment to the fixed base laboratory.

Duplicate samples were used to monitor the quality assurance and control of the field sampling activities. These samples were analyzed for VOCs by EPA Method TO-15. The table below lists the type of sample and frequency with which they were collected.

Field Quality Control Sample Schedule

QC Sample Type	Media	Analysis	Container	Frequency
Duplicate Samples	Air	VOCs[1]	six-liter Summa Canister Individual Certified Clean	At least 1 per 20 crawlspace-indoor-ambient air samples

[1] - VOCs to include benzene, chlorobenzene, ethylbenzene, PCE, TCE, VC, t-DCE, c-DCE, 1,1-DCE, toluene, and xylenes

The following table provides a sample summary for each of the quarterly sampling events.

Sample Summary per Quarter

QC Sample Type	Number of Samples	Media/ Analysis	Container	Rationale
Soil Vapor Sample	4	Air/VOCs	1-Summa Canister for each sample	Determine soil vapor concentration
Crawlspace Sample	1	Air/VOCs	1-Summa Canister	Determine vapor concentration in crawlspace air
Ambient Air Sample	1	Air/VOCs	1-Summa Canister	Determines ambient air concentrations
Duplicate Sample (Crawlspace)	1	Air/VOCs	1-Summa Canister	Assess collection technique on sample precision

Duplicate samples were designated using the analytical sample identification followed by “Dup” or other similar common designation. Duplicate sample nomenclature was clearly identified on analytical data tables as a note.

6.0 DATA VALIDATION AND MANAGEMENT

Data validation activities focused on verifying the completeness and accuracy of field methods used, sample handling, and fixed based laboratory results. Terracon conducted a full-package review of the field process and data produced for the site and reports from the fixed base laboratory. The ESC QA Officers conducted validation and reporting consistent with the parameters of the Quality Assurance Manual (QAM). Data quality QA packages for analytical services were delivered to Terracon and were entered into the project record. Terracon reviewed and confirmed that field and laboratory data meets the data quality objectives for the project.

Raw data from the laboratory was provided to Terracon electronically. The electronic data was used to directly populate tables. In addition, field data was entered onto tables or into forms for use in reporting. Terracon personnel not directly involved in the data input, performed a data check on all manually entered data to ensure data is not transposed or incorrectly typed.

As described in Section 7.0 of the approved VIWP, Terracon submitted the data from all four quarters of vapor sampling to the USEPA in the USEPA Region 4 electronic data delivery (EDD) format (http://www.epa.gov/region4/superfund/allresource/edd/edd.html).

7.0 VAPOR/AIR SAMPLE ANALYTICAL DATA

7.1 Screening Levels

The EPA-approved screening levels for this project are presented on the table below.

Interim Measures Screening Levels

Contaminant	Crawlspace Screening Level (µg/m³)	Soil Vapor Screening Level (µg/m³)[2]
Tetrachloroethene	1.1 c[1]	36.7
Trichloroethene	0.48 c[1]	16.0
Vinyl Chloride	0.17 c[1]	5.7
Trans-1,2-Dichloroethene	NL	NL
Cis-1,2-Dichloroethene	NL	NL
1,1-Dichloroethene	210 n[1]	7,000
Benzene	0.36 c[1]	12
Ethylbenzene	1.1 c[1]	36.7
Toluene	5,200 n[1]	173,333
Xylenes	100 n[1]	3,333
Chlorobenzene	52 n[1]	1,733

[1] – Residential Indoor Screening Levels obtained from Regional Screening Level (RSL) Table (USEPA November 2014) and the VISLs (May 2014).
[2]– Derived as approved by EPA by dividing the Residential Indoor RSL Table (USEPA November 2013) by the attenuation factor of 0.03 based on the soil vapor attenuation factor set forth in EPA's draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air (April 2013).
c – based on carcinogenic health effects.
n – based on non-carcinogenic health effects.
NL—screening level not listed on the November 2014 RSL Table or the May 2014 VISL.
Screening levels are the most conservative of the cancer or noncancer value.

IRIS does not support an inhalation RfC for trans 1,2-dichloroethene (EPA, 2014g) or cis 1,2-dichloroethene; therefore, no screening levels were used to compare to the analytical data. The uncertainty associated with this is presented in Section 8.0.

A summary of the Analytical results and screening levels are presented in Table 1. A copy of the laboratory analytical reports for the four sampling events are included as Exhibit E.

7.2 Comparison of Analytical Data

7.2.1 Ambient Air Concentrations

The purpose of collecting ambient air samples is to collect information on background air concentrations that are not attributable to vapor intrusion to support understanding whether and the extent to which any vapor intrusion may be occurring or present a health risk. Here, benzene concentrations in outdoor ambient air exceeded the RSL (0.31 ug/m^3) during all four of the sampling events. No other constituents exceeded the RSLs. The benzene concentrations ranged from 0.44 ug/m^3 to 5.4 ug/m^3, with an average of 2.635 ug/m^3. During the ATRA, benzene concentrations from 60 samples collected from June 2011 to August 2012 from the Shuttlesworth Station Site (located off Walter Coke's eastern edge near the Study Area) ranged from 0.0004 ug/m^3 to 22.7152 ug/m^3 with an average of 4.1336 ug/m^3 and a 95% UCL mean concentration of 5.125 ug/m^3. Based on these comparisons, the benzene concentrations detected in the four ambient air samples are consistent with and likely underestimate background benzene concentrations in the area.

Background air sample BG-053013 was run for "low level volatile organic compounds" because these samples are generally expected to be lower in concentration. Because they are run at very low levels the equipment is very sensitive. The samples are "pre-screened" prior to analysis to make sure that a given sample will not blow the calibration on the equipment. These samples were run at a dilution so that the analysis would not blow the calibration. Because the initial analytical run would be at such low levels, the 2.99X dilution still provided a detection limit below the regulatory limits so the samples were analyzed and reported accordingly.

7.2.2 Crawlspace Air Concentrations

Benzene concentrations in crawlspace air samples ranged from 0.32 ug/m^3 to 2.7 ug/m^3 with an average of 1.58 ug/m^3. The duplicate crawlspace air sample concentrations ranged from 0.33 ug/m^3 to 3.6 ug/m^3 with an average of 1.49 ug/m^3.

Although benzene concentrations exceeded the RSL in all four crawlspace samples and duplicate samples, these concentrations are below or consistent with background ambient air concentrations. Specifically:

- The crawlspace sample CS40811-053013 and duplicate sample DUP-053013 were run for "low level volatile organic compounds" because they are generally expected to be lower in concentration. Because they are run at very low levels the equipment is very sensitive. The samples are "pre-screened" prior to analysis to make sure that a given sample will not blow the calibration on the equipment. These samples were run at a dilution so that the analysis would not blow the calibration. Because the initial analytical run would be at

such low levels, the 2.99X dilution still provided a detection limit below the regulatory limits so the samples were analyzed and reported accordingly.

- All crawlspace benzene results were essentially at or below the average ambient air concentration (2.635 ug/m^3) detected during VI sampling.

- The average crawlspace benzene result (1.58 ug/m^3) was well below the average ambient air concentration (2.635 ug/m^3) detected during VI sampling.

- All crawlspace benzene results were well below the ambient air average benzene concentration (4.1336 ug/m^3) and 95% UCL mean concentration (5.125 ug/m^3) from the ATRA.

- The average crawlspace benzene result (1.58 ug/m^3) was also well below the ambient air average benzene concentration (4.1336 ug/m^3) and 95% UCL mean concentration (5.125 ug/m^3) from the ATRA.

This consistency with background is evidence that vapor intrusion is not occurring and that these sample results are driven by background ambient air concentrations. Comparing trends in soil vapor and crawlspace sampling results also supports the conclusion that vapor intrusion is not occurring and that crawlspace sample results are driven by background ambient air concentrations. After the interim measure hydraulic control system was turned on in April 2013, soil vapor concentrations decreased significantly, as discussed in Section 7.2.3. In comparison, crawlspace sampling results did not behave similarly. Thus, crawlspace benzene concentrations appear unrelated to subsurface conditions and very likely driven by background ambient air concentrations.

In any event, the consistency of crawlspace sampling benzene results with background shows that, if any vapor intrusion is occurring, it presents essentially no potential to increase concentrations in indoor air. Thus, no further action with respect to vapor intrusion is needed or warranted.

In addition, EPA's underlying policy that remediation below background levels is not required further supports the conclusion that no further action with respect to vapor intrusion is needed or warranted. See Role of Background in the CERCLA Cleanup Program, OSWER 9285.6-07P at 7 (Apr. 26, 2002). (The draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air did not disturb this policy, see pages 25, 59, and 62.)

Furthermore, EPA has already determined in the ATRA that a benzene concentration of 5.125 ug/m^3 falls within the acceptable risk range of $1x10^{-4}$ to $1x10^{-6}$. Because EPA did so using exposure assumptions at least as protective as the exposure assumptions used to evaluate vapor

intrusion risks, the ATRA instructs that benzene concentrations below 5.125 ug/m^3 do not pose an unacceptable risk in the vapor intrusion context. Therefore, because all crawlspace samples were well below 5.125 ug/m^3, the results do not warrant any further action.

No other constituents exceeded the RSLs.

7.2.3 Soil Vapor Sampling

Benzene concentrations exceeded the benzene screening level (10.3 ug/m^3) in the soil gas samples collected from the four soil vapor points during the first sampling event by 1-9 ug/m^3. However, the first sampling event occurred in April 2013 prior to the startup of the hydraulic control system. All other soil vapor samples were taken after system startup, and those results were all well below the screening level, ranging from a low of almost two orders of magnitude below the screening level to a high still less than 40% of the screening level. Further, each sampling point's average benzene concentration over the four sampling events was well below the screening level, ranging from 4.72-6 ug/m^3. No other detected VOCs exceeded the screening levels during any of the sampling events. These results suggest that the hydraulic control system appears to control soil vapor concentrations and that no further action with respect to vapor intrusion is necessary or warranted.

8.0 UNCERTAINTY ANALYSIS

There are a number of factors that may contribute to potential uncertainty in the estimates of exposure and risk. Uncertainties based upon derivation and use of toxicological values are inherent in each risk characterization. Some of these include:

- The use of animal data to predict potential human health effects.
- Extrapolation of experimental data obtained by exposing animals to high chemical doses to the likely outcome in humans following exposure to low chemical levels in the environment.
- The use of conservatively derived toxicological criteria.
- The lack of toxicity data for some chemicals evaluated in the risk characterization.
- Lack of toxicity criteria specific for evaluating the dermal route of exposure.

However, these uncertainties are managed though highly protective derivation of toxicological values and exposure assumptions. For example, when evaluating exposure, probable scenarios are developed to conservatively estimate conditions and duration of human contact with a COPC. To err on the side of overestimating risk, scenarios incorporate exposure levels, frequencies, and durations at or near the top end of the range of probable values. Thus, the assumptions used by EPA to calculate the RSLs EPA are at the high end of the range of possible exposures. Therefore, the calculated RSLs are highly conservative and concentrations that do not exceed the RSLs

should be protective of human health and the environment, and exceeding the RSL does not necessarily indicate that levels are not protective of human health and the environment.

Default values, such as inhalation rates, are used in the exposure calculations to quantify intakes. No default value could be correct for every population or individual (e.g., adjustment for early life stage exposures). To compensate for this uncertainty and err on the side of overestimating risk, the default values are typically set to the upper end (usually the 90th or 95th percentile) of the normal range.

Some uncertainty can be associated with the type of analytical method used to obtain the chemical concentration results. For all chemical analyses, total concentrations were measured as opposed to chemical fractions or species. Using total concentrations is a more protective approach because the constituents captured within the "total" may not be of equal importance from a risk standpoint. In addition, the data used in this report were validated. The laboratory conducted an initial data review and validation according to the laboratory QA manual included in the approved SAP. Data validation included application of data qualifiers to the analytical results based on adherence to method protocols and QA/QC limits. A discussion of applied data qualifiers is included within the case narrative of the analytical report for each sample delivery group. Data meeting analytical validity requirements set by the analytical method and the fixed-laboratory were further reviewed against the project-specific DQOs. This data validation was performed by a qualified Terracon professional outside of the project implementation chain-of-command, in accordance with the Terracon Corporate Quality Program Manual and this project's DQOs.

Cis-1,2-dichloroehtene and trans-1,2-dichloroethene were retained for evaluation in this report but EPA has not derived inhalation reference concentrations for these compounds. But any uncertainty associated with these compounds in this report is understood to be insignificant because the detected concentrations were so low, including non-detects in all crawlspace and duplicate crawlspace samples.

9.0 SUMMARY AND CONCLUSIONS

The multiple lines of evidence showing that no further action is needed or warranted with respect to the potential for vapor intrusion include that:

- Crawlspace sampling benzene results indicate that no further action is needed or warranted with respect to potential vapor intrusion because, as described in Section 7.2.2,
  - these results are below or consistent with background ambient air concentrations,
  - this consistency with background indicates that vapor intrusion is not occurring or presents essentially no potential to increase concentrations in indoor air, and that

the crawlspace sampling benzene results are driven by background ambient air concentrations,

- trends in soil vapor and crawlspace sampling results support the conclusion that crawlspace sample benzene results are driven by background ambient air concentrations, and
- EPA has already determined that the concentrations reflected in the crawlspace sampling benzene results (individually and on average) fall within EPA's acceptable risk range.

- Soil vapor benzene results indicate that no further action is needed or warranted with respect to potential vapor intrusion because the results show that Walter Coke's operation of the hydraulic control system is controlling soil vapor concentrations such that there is no or minimal apparent risk of vapor intrusion. (See Section 7.2.3.)
- During the most recent groundwater sampling event (February 2014), no VOC concentrations in excess of the MCLs were noted in any off-site groundwater monitoring well, demonstrating (1) the effectiveness of the hydraulic control system on plume control and (2) further reduced potential for vapor intrusion at off-facility properties. (See Section 1.4.)
- No other constituents exceed the screening level in the crawlspace samples or in the soil vapor samples. (See Section 7.2.2)

10.0 REFERENCES

- EPA's Vapor Intrusion website, www.epa.gov/oswer/vaporintrusion.
- Superfund Vapor Intrusion FAQs, February 2012, www.epa.gov/superfund/sites/npl/Vapor_Intrusion_FAQs_Feb2012.pdf .
- CalEPA (California Environmental Protection Agency). 2004. *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air*. Interim Final. Department of Toxic Substances Control. Sacramento, CA. (Revised February 7, 2005) ("California Guidance")
- ITRC (The Interstate Technology & Regulatory Council). 2007. *Vapor Intrusion Pathway: A Practical Guideline*. Vapor Intrusion Team. Washington, DC. ("ITRC Guidance")
- EPA. 2008: *US. EPA's Vapor Intrusion Database: Preliminary Evaluation of Attenuation Factors*. Draft. Office of Solid Waste, Washington, DC.
- EPA "Development of a Sub-Slab Gas Sampling Protocol to Support Assessment of Vapor Intrusion." (http://www.epa.gov/ahaazvuc/research/waste/research_40.pdf.)

- EPA. 2013:Draft OSWER Final Guidance for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Sources to Indoor Air

- EPA. 2013. North Birmingham Air Toxics Risk Assessment

- EPA 2014a. Regional Screening Levels for Chemical Contaminants at Superfund Sites, Interagency Agreement between EPA Office of Superfund and Oak Ridge National Laboratory, May 2014. http://www.epa.gov/reg3hwmd/risk/human/concentration_table/Generic_Tables/index.htm

- EPA 2014f. OSWER Vapor Intrution Assessment, Vapor Intrusion Screening Levels, Version 3.3.1, May 2014, found at EPA's Vapor Intrusion Website, www.epa.gov?oswer/vaporintusion/

- EPA 2014g. Integrated Risk Information System, National Center for Environmental Assessment, Office of Research & Development, USEPA. http://www.epa.gov/ncea/iris/ (updates added periodically).

Exhibit A

Figures

Exhibit B

Access Agreement

Exhibit C

Soil Vapor Point Construction Details

Exhibit D

Soil Vapor/Indoor Air Sampling Form

Exhibit E

Laboratory Analytical Reports

Table 1. Summary of Vapor Monitoring Results
Vapor Intrusion Study - Walter Coke, Birmingham, Alabama

Vapor Point ID	SVP-1		SVP-1		SVP-1		SVP-1		
Sample ID	SV40811-053013		SV40811-081613		SV40811-111113		SV40811-021914		
Lab Sample Number	200-16861-1		200-17995-6		200-19497-1		200-21043-1		Screening
Sampling Date	5/30/2013 11:12		8/16/2013 13:13		11/11/2013 15:45		2/19/2014 11:30		Levels
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.34	U	0.79	U	0.12	U	0.12	U	**7,000**
Benzene	**17**		**0.84**		**0.46**		**0.56**		**12**
Chlorobenzene	**21**		**1.9**		**0.56**		0.55	U	**1,733**
cis-1,2-Dichloroethene	0.33	U	0.79	U	0.12	U	0.12	U	**NL**
Ethylbenzene	**0.91**		**0.24**	J	0.13	U	0.13	U	**36.7**
m-Xylene & p-Xylene	**1.1**	J	0.41	J	**0.26**		0.26	U	
o-Xylene	**7.2**		**1.7**		**0.79**		**0.54**		
Xylenes, Total	**8.2**		**2.1**		**1.1**		**0.67**		**3,333**
Tetrachloroethene	**0.87**		**1.0**		**0.66**		**0.22**		**36.7**
Toluene	**5.3**		**1.4**		**0.45**		**0.25**		**173,333**
trans-1,2-Dichloroethene	0.091	U	0.79	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.049	U	0.21	U	0.16	U	0.16	U	**16**
Vinyl chloride	0.023	U	0.10	U	0.15	U	0.15	U	**5.7**

Vapor Point ID	SVP-2		SVP-2		SVP-2		SVP-2		
Sample ID	SV40771-053013		SV40771-081513		SV40771-081513		SV40771-021914		
Lab Sample Number	200-16861-2		200-17995-1		200-19497-2		200-21043-2		Screening Levels
Sampling Date	5/30/2013 11:27		8/15/2013 10:14		11/11/2013 15:47		2/19/2014 11:26		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.34	U	0.79	U	0.12	U	0.12	U	**7,000**
Benzene	**18**		**2.6**		**1.3**		**2.1**		**12**
Chlorobenzene	**24**		**0.40**	J	**2.3**		0.55	U	**1,733**
cis-1,2-Dichloroethene	0.33	U	**0.54**	J	0.12	U	0.12	U	**NL**
Ethylbenzene	**1.1**		**0.72**	J	**0.29**		**0.15**		**36.7**
m-Xylene & p-Xylene	**1.9**	J	**1.9**	J	**0.71**		**0.50**		
o-Xylene	**7.6**		**0.86**		**1.9**		**0.24**		
Xylenes, Total	**9.5**		**2.7**		**2.6**		**0.74**		**3,333**
Tetrachloroethene	**0.48**		**0.77**		**0.25**		**0.20**		**36.7**
Toluene	**11**		**3.8**		**1.0**		**0.85**		**173,333**
trans-1,2-Dichloroethene	0.091	U	0.79	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.049	U	**0.22**		0.16	U	0.16	U	**16**
Vinyl chloride	0.023	U	0.10	U	0.15	U	0.15	U	**5.7**

U - Indicates the analyte was analyzed for but not detected. NL = Not Listed

Concentrations shaded in red exceed the screening levels

Table 1. Summary of Vapor Monitoring Results
Vapor Intrusion Study - Walter Coke, Birmingham, Alabama

Vapor Point ID	SVP-3		SVP-3		SVP-3		SVP-3		
Sample ID	SV40812-053013		SV40812-081513		SV40812-111113		SV40812-021914		
Lab Sample Number	200-16861-3		200-17995-2		200-19497-3		200-21043-3		Screening Levels
Sampling Date	5/30/2013 12:25		8/15/2013 10:24		11/11/2013 15:49		2/19/2014 11:34		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.34	U	0.79	U	0.12	U	0.12	U	**7,000**
Benzene	**19**		**3.0**		**1.1**		**0.64**		**12**
Chlorobenzene	**22**		**6.5**		**1.0**		**1.0**		**1,733**
cis-1,2-Dichloroethene	0.33	U	0.79	U	0.12	U	0.12	U	**NL**
Ethylbenzene	**1.5**		**0.44**	J	0.13	U	0.13	U	**36.7**
m-Xylene & p-Xylene	**3.0**		**0.45**	J	**0.38**		0.26	U	
o-Xylene	**6.5**		**3.0**		**0.90**		**0.61**		
Xylenes, Total	**9.6**		**3.5**		**1.3**		**0.74**		**3,333**
Tetrachloroethene	**0.54**		**0.50**		0.20	U	0.20	U	**36.7**
Toluene	**14**		**1.8**		**0.32**		**0.50**		**173,333**
trans-1,2-Dichloroethene	0.091	U	0.79	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.049	U	0.21	U	0.16	U	0.16	U	**16**
Vinyl chloride	0.023	U	0.10	U	0.15	U	0.15	U	**5.7**

Vapor Point ID	SVP-4		SVP-4		SVP-4		SVP-4		
Sample ID	SV40772-053013		SV40772-081613		SV40772-1111613		SV40772-021914		
Lab Sample Number	200-16861-4		200-17995-7		200-19497-4		200-21043-4		Screening Levels
Sampling Date	5/30/2013 12:37		8/16/2013 13:19		11/11/2013 15:43		2/19/2014 11:35		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.34	U	0.79	U	0.12	U	0.12	U	**7,000**
Benzene	**11**		**3.9**		**1.2**		**1.5**		**12**
Chlorobenzene	**13**		**7.7**		**1.2**		**3.3**		**1,733**
cis-1,2-Dichloroethene	0.33	U	0.79	U	0.12	U	**0.12**		**NL**
Ethylbenzene	**0.57**	J	**0.70**	J	**0.48**		**0.26**		**36.7**
m-Xylene & p-Xylene	**0.86**	J	**1.2**	J	**3.7**		**0.45**		
o-Xylene	**3.5**		**3.3**		**0.86**		**1.7**		
Xylenes, Total	**4.3**		**4.5**		**4.6**		**2.1**		**3,333**
Tetrachloroethene	**1.8**		**4.1**		**0.26**		**0.96**		**36.7**
Toluene	**2.9**		**6.8**		**1.7**		**1.2**		**173,333**
trans-1,2-Dichloroethene	0.091	U	0.79	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.049	U	0.21	U	0.16	U	0.16	U	**16**
Vinyl chloride	0.023	U	0.10	U	0.15	U	0.15	U	**5.7**

U - Indicates the analyte was analyzed for but not detected. NL = Not Listed

Concentrations shaded in red exceed the screening levels

Table 1. Summary of Vapor Monitoring Results
Vapor Intrusion Study - Walter Coke, Birmingham, Alabama

Vapor Point ID	Crawlspace		Crawlspace		Crawlspace		Crawlspace		
Sample ID	CS40811-053013		CS40811-081513		CS40811-111113		CS40811-022014		
Lab Sample Number	200-16861-5		200-17995-3		200-19497-5		200-21043-5		Screening Levels
Sampling Date	5/31/2013 11:21		8/16/2013 11:20		11/12/2013 12:00		2/20/2014 11:45		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**210**
Benzene	**0.70**		**0.32**		**2.6**		**2.7**		**0.36**
Chlorobenzene	0.55	U	0.55	U	0.55	U	0.12	U	**52**
cis-1,2-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**NL**
Ethylbenzene	**0.62**		**0.15**		**0.45**		**0.53**		**1.1**
m-Xylene & p-Xylene	**2.1**		**0.46**		**1.3**		**2.0**		
o-Xylene	**0.78**		**0.17**		**0.51**		**0.65**		
Xylenes, Total	**2.9**		**0.63**		**1.9**		**2.6**		**100**
Tetrachloroethene	0.20	U	0.20	U	**0.20**		0.20	U	**1.1**
Toluene	**6.9**		**0.81**		**2.1**		**2.3**		**5,200**
trans-1,2-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**NL**
Trichloroethene	**0.36**		0.16	U	0.16	U	0.16	U	**0.48**
Vinyl chloride	0.15	U	0.15	U *	0.15	U	0.15	U	**0.17**

Vapor Point ID	Duplicate		Duplicate		Duplicate		Duplicate		
Sample ID	DUP-053013		DUP-081513		DUP-111113		DUP-021914		
Lab Sample Number	200-16861-6		200-17995-4		200-19497-6		200-21043-6		Screening Levels
Sampling Date	5/31/2013 11:21		8/16/2013 11:20		11/12/2013 12:00		2/20/2014 11:45		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**210**
Benzene	**0.62**		**0.33**		**3.6**		**1.4**		**0.36**
Chlorobenzene	0.55	U	0.55	U	0.55	U	0.12	U	**52**
cis-1,2-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**NL**
Ethylbenzene	**0.56**		**0.17**		**0.43**		**0.31**		**1.1**
m-Xylene & p-Xylene	**1.7**		**0.47**		**1.6**		**1.1**		
o-Xylene	**0.62**		**0.18**		**0.48**		**0.42**		
Xylenes, Total	**2.3**		**0.65**		**2.0**		**1.5**		**100**
Tetrachloroethene	0.20	U	0.20	U	**0.29**		**0.30**		**1.1**
Toluene	**2.8**		**0.81**		**2.5**		**1.6**		**5,200**
trans-1,2-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.16	U	0.16	U	0.16	U	0.16	U	**0.48**
Vinyl chloride	0.15	U	0.15	U *	0.15	U	0.15	U	**0.17**

U - Indicates the analyte was analyzed for but not detected. NL = Not Listed

Concentrations shaded in red exceed the screening levels

Table 1. Summary of Vapor Monitoring Results
Vapor Intrusion Study - Walter Coke, Birmingham, Alabama

Vapor Point ID	Ambient		Ambient		Ambient		Ambient		
Sample ID	BG-053013		BG-081513		BG-111113		BG-021914		
Lab Sample Number	200-16861-7		200-17995-5		200-19497-7		200-21043-7		Screening Levels
Sampling Date	5/31/2013 11:51		8/16/2013 11:50		11/12/2013 12:30		2/20/2014 12:15		
Units	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3
1,1-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**210**
Benzene	**0.44**		**2.7**		**5.4**		**2.0**		**0.36**
Chlorobenzene	0.55	U	0.55	U	0.55	U	0.12	U	**52**
cis-1,2-Dichloroethene	0.12	U	0.12	U	0.12	U	0.12	U	**NL**
Ethylbenzene	**0.61**		**0.78**		**0.91**		**0.52**		**1.1**
m-Xylene & p-Xylene	**1.6**		**2.2**		**3.1**		**2.2**		
o-Xylene	**0.51**		**0.82**		**0.98**		**0.69**		
Xylenes, Total	**2.1**		**3.1**		**4.1**		**2.9**		**100**
Tetrachloroethene	0.20	U	0.20	U	**0.26**		**0.93**		**1.1**
Toluene	**5.4**		**3.2**		**4.2**		**2.1**		**5,200**
trans-1,2-Dichloroethene	**0.12**		0.12	U	0.12	U	0.12	U	**NL**
Trichloroethene	0.16	U	0.16	U	0.16	U	0.16	U	**0.48**
Vinyl chloride	0.15	U	0.15	U *	0.15	U	0.15	U	**0.17**

U - Indicates the analyte was analyzed for but not detected. NL = Not Listed

Concentrations shaded in red exceed the screening levels

Exhibit A

Figures

BTF Process Area and Sewers - SMA 1
SWMU #13 - Equalization Basin
SWMU #14 - pH Neutralization Basin
SWMU #15 - Primary Clarifier
SWMU #16 - Aeration Basin
SWMU #17 - Secondary Clarifier
SWMU #18 - Thickener
SWMU #19 - Digester
SWMU #20 - Dewatering Machine
SWMU #21 - Former Emergency Basin
SWMU #22 - Polishing Pond
SWMU #40 - Historic Drainage Ditch
SWMU #41 - Former Impoundment
AOC A - Pipe Outfall into Ditch next to BTF Area
AOC F - BTF Groundwater Plume

Land Disposal Area (LDA) - SMA 2
SWMU #4 - BTF Sewer
SWMU #23 - Biological Sludge Disposal Area
SWMU #24 - Blast Furnace Emission Control Sludge Piles A and B
SWMU #25 - Stormwater Ditch
SWMU #38 - Construction Debris Landfill
SWMU #39 - Blast Furnace Emission Control Sludge Waste Pile

Coke Manufacturing Plant - SMA 3
SWMU #1 - Quench Towers & Sumps
SWMU #2 - Quench Tower Pump Basins
SWMU #3 - Old Quench Tower Settling Basins
SWMU #5 - Coal Tar Storage Drainage System
SWMU #6 - Spill Area Around Diesel Tank
SWMU #7 - Coal Tar Collection Sump
SWMU #8 - Flushing Liquor Decanter
SWMU #9 - Flushing Liquor Decanter Sump
SWMU #10 - Coal Tar Decanter
SWMU #11 - Coal Tar Decanter
SWMU #12 - Coal Tar Decanter
SWMU #37 - BTF Sewer Tar Trap
AOC E - Coke Plant Groundwater Plume

Former Pig Iron Foundry (PIF) - SMA 5
SWMU #43 - Pig Machine Slurry Pits
SWMU #44 - Blast Furnace Ash Boiler Pit
SWMU #45 - Slag Drying Beds
AOC C - Former Pig Iron Foundry

Former Chemical Plant (FCP) - SMA 4
SWMU #26 - Main Process Building
SWMU #27 - Floor Drain System
SWMU #28 - Sulfonation Floor Drain
SWMU #29 - Product Tank Containment Area
SWMU #30 - Centrifuge Waste Water Tank
SWMU #31 - Monohydrate Floor Drain and Sump
SWMU #32 - Drum Storage Area
SWMU #33 - Plant Drum Storage Area
SWMU #34 - Wastewater Neutralization System
SWMU #35 - Mineral Wool Waste Piles
SWMU #36 - Used Oil Tank
SWMU #42 - Former Aboveground Storage tanks (ASTs)
AOC B - Drainage Ditch next to Shuttlesworth Drive and 35th Ave.
AOC D - Former Chemical Plant (FCP) Groundwater Plume

SWMU 40
SWMU 22
SWMU 41
AOC F
SWMU 23
SWMU 19
SWMU 18
SWMU 17
SWMU 15
SWMU 16
AOC A
SWMU 24 A
SWMU 24 B
SWMU 14
SWMU 20
SWMU 13
SWMU 21
SWMU 25
SWMU 38
SWMU 39
SWMU 04
SWMU 44
AOC C
SWMU 43
SWMU 45
SWMU 37
SWMU 35
SWMU 36
SWMU 11
SWMU 06
SWMU 42
SWMU 27
AOC D
SWMU 30
SWMU 10
SWMU 12
SWMU 29
SWMU 28
SWMU 09
SWMU 32
SWMU 31
SWMU 07
SWMU 34
SWMU 08
SWMU 26
SWMU 01
SWMU 02
SWMU 03
SWMU 05
SWMU 33
AOC E
AOC B

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Legend

Proposed Solid Waste Management Areas (SMAs)
- BTF Process Area and Sewer - SMA 1
- Land Disposal Area - SMA 2
- Coke Manufacturing Plant - SMA 3
- Former Chemical Plant - SMA 4
- Former Pig Iron Foundary - SMA 5

Notes:
1) SWMU - Solid Waste Management Unit
2) Management Area boundaries are used for approximation.
3) AOC - Area of Concern

0 250 500 1,000 1,500 2,000 Feet

N

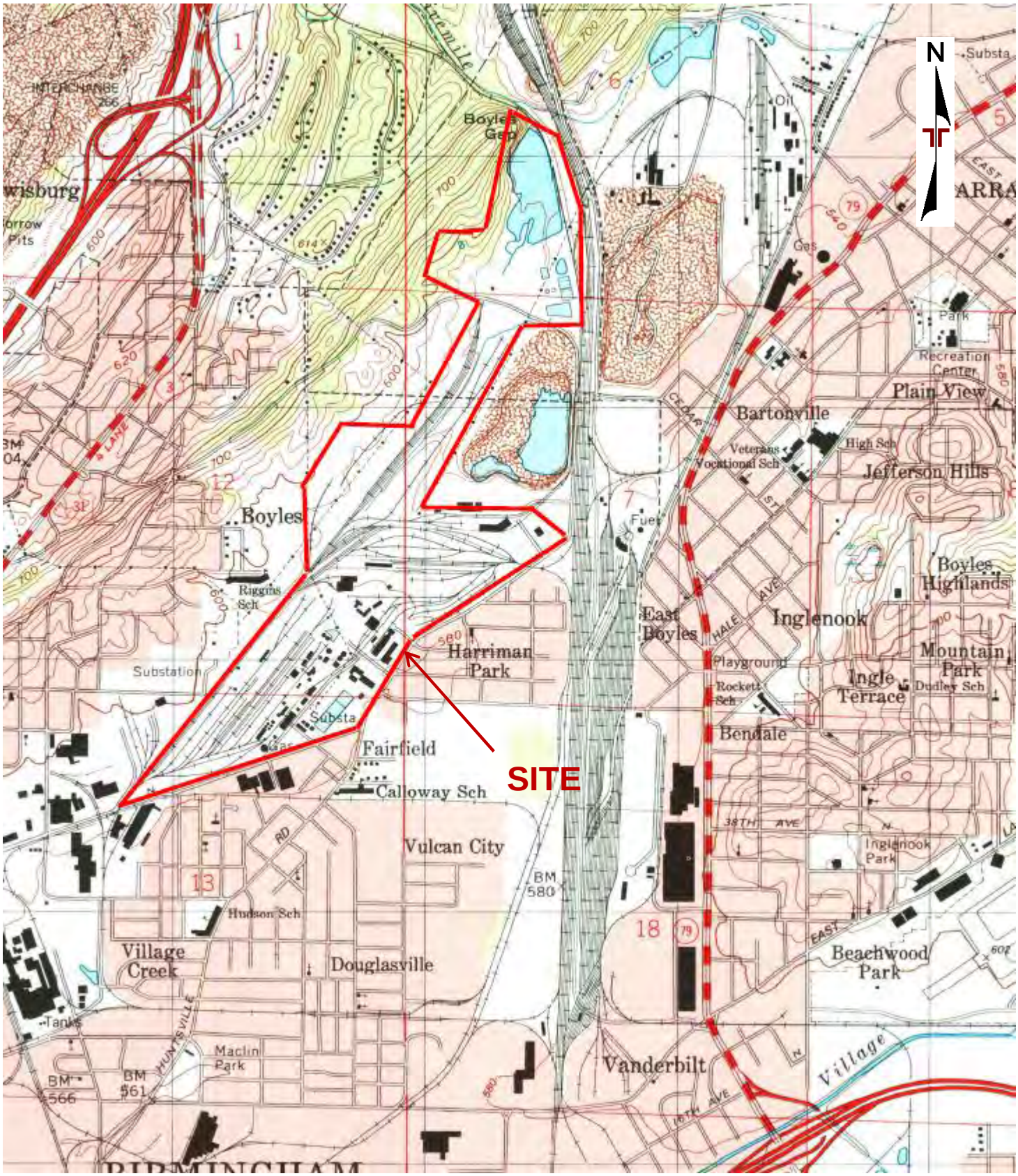
Project Mngr:	TWR
Checked By:	TWR
Approved By:	TWR
Drawn By:	GFA
Scale:	SHOWN
Date:	7/24/2012
Project No:	E1127096
File Name:	Figure 1

Terracon
Consulting Engineers & Scientists
110 12th St. North Birmingham, Alabama 35203
Phone: (205) 942-1289 Fax: (205) 443-5302

SITE MAP

CLIENT: **Walter Coke**
3500 35th Avenue North
Birmingham, AL 35207

FIGURE 1



Terracon

110 12TH STREET NORTH BIRMINGHAM, AL 35203
P [205] 942-1289 F [205] 443-5302

PROJECT

VAPOR INTRUSION CHARACTERIZATION
WALTER COKE
3500 35TH AVENUE NORTH
BIRMINGHAM, JEFFERSON COUNTY, ALABAMA
TERRACON PROJECT NO. E1127095

FIGURE 2

TOPOGRAPHIC MAP

North Birmingham, AL
7.5 Minute Quadrangle
1997
Scale 1"=2,000'

LEGEND

- Shallow Bedrock Monitoring Well
- Deep Bedrock Monitoring Well
- Containment Well Locations
- **ND** Benzene, Chlorobenzene, cis-1,2-DCE, Toluene, PCE, and VC were not detected
- **390** Indicates that the concentration is greater than the EPA MCL

- Benzene Plume (EPA MCL – 5 µg/L)
- Chlorobenzene Plume (EPA MCL – 100 µg/L)
- Toluene Plume (EPA MCL – 100 µg/L)
- VC Plume (EPA MCL – 2 µg/L)

Data is presented in micrograms per liter (parts per billion, µg/L) .

Project Manager: TWR	Project No. E1127095	Terracon	VOC Constituent Concentrations in Groundwater, April 2013
Drawn By: ECR	Scale: 1" ≈ 400'	110 12th Street North Birmingham, Alabama 35203	Walter Coke 3500 35th Avenue North Birmingham, Jefferson County, Alabama
Checked By: TWR	File Name: E1127095	PH. (205) 942-1289 FAX. (205) 443-5302	Figure 3
Approved By: TWR	Date: January 2014		

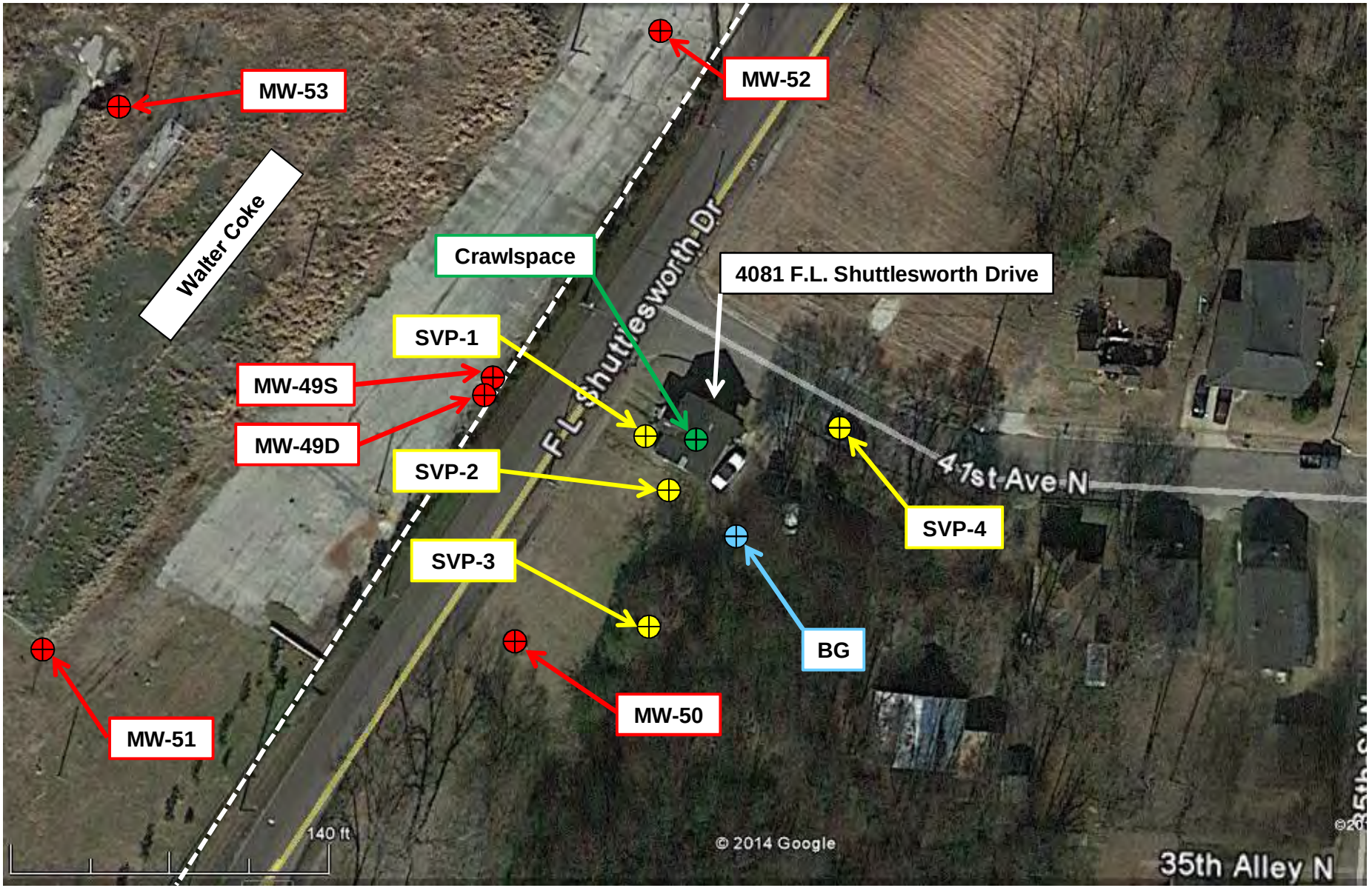
LEGEND

- Shallow Bedrock Monitoring Well
- Deep Bedrock Monitoring Well
- Containment Well Locations
- ND Benzene, Chlorobenzene, cis-1,2-DCE, Toluene, PCE, and VC were not detected
- Benzene Plume (EPA MCL – 5 µg/L)
- Chlorobenzene Plume (EPA MCL – 100 µg/L)
- Toluene Plume (EPA MCL – 100 µg/L)
- VC Plume (EPA MCL – 2 µg/L)

0' 50' 100' 200'
SCALE IN FEET

Data is presented in micrograms per liter (parts per billion, µg/L) .

Project Manager: TWR	Project No. E1127095	Terracon	VOC Constituent Concentrations in Groundwater, February 2014
Drawn By: ECR	Scale: 1" ≈ 200'		Walter Coke 3500 35th Avenue North Birmingham, Jefferson County, Alabama
Checked By: TWR	File Name: E1127095		Figure 4
Approved By: TWR	Date: January 2014	110 12th Street North Birmingham, Alabama 35203 PH. (205) 942-1289 FAX. (205) 443-5302	



Soil Vapor Point Locations

Background Air Sample Location

Crawl Space Air Sample Location

Monitoring Well Location

Project Manager:	TWR
Drawn By:	ECR
Checked By:	TWR
Approved By:	TWR

Project No.	E1137075
Scale:	As Noted
File Name:	E1137075
Date:	May 2014

Terracon
110 12th Street North Birmingham, Alabama 35203
PH. (205) 942-1289 FAX. (205) 443-5302

Vapor Intrusion Characterization Site Map

Walter Coke
3500 35th Avenue North
Birmingham, Jefferson County, Alabama

Figure 3

Exhibit B

Access Agreement

Terracon

ACCESS AGREEMENT

Date: 12/3/2012

DEFINITIONS

The property to which access is granted is: 4081 FL Shuttleworth Drive, Birmingham, Alabama 35207 ("Property").

The Legal Owner(s) of the Property or person/entity with legal authority to grant access to the Property is: Jessie C Herrod ("Grantor").

The services to be conducted on the Property are generally described as follows: Install three soil vapor ports on the property, conduct quarterly monitoring of the three vapor ports, and quarterly monitoring of air in the crawlspace of the residence. If deemed necessary after the crawlspace sampling, resident will be asked to assist in completing a Questionaire about the residence and indoor air sampling may be conducted. ("Services").

The entity granted access for the purposes of performing the Services is Terracon Consultants, Inc., which shall include its employees, agents, and subcontractors ("Grantee").

The Services are performed for the benefit of Walter Coke ("Client"), pursuant to the Agreement for Services between Terracon Consultants Inc., and Client, date and reference number June 25, 2012, PE1120184.

AGREEMENTS

By its signature below, Grantor represents it has authority to, and does, grant access to the Property to Grantee for the purpose of performing the Services. Grantor agrees that:

- Grantee may drill exploration borings on the Property, using drill rigs, trucks and other equipment, recover and collect soil, water, and other samples, and perform other actions related to the exploration of surface or subsurface conditions on the Property, as necessary to perform the Services.
- Grantee may use large truck or track-mounted equipment in the performance of the Services, which is normal and customary in the performance of these kinds of services, and that this equipment may leave depressions, wheel tracks, ruts or other marks in the ground surface ("Surface Marks"), but Grantee will make reasonable efforts to restore the property and leave it in a condition suitable for its previous use. Landscaping restoration, including seeding or sodding, will not be performed.
- Grantor will not interfere with any of the activities of Grantee or undertake any actions regarding the use of Property that would endanger the health, safety, or welfare of the Grantee employees, agents, or subcontractors, or damage their equipment, materials, or property.

By its signature below, Grantee agrees:

- That upon completion of Services and activities authorized by this Access Agreement, Grantee will remove all material and equipment utilized by Grantee from the Property, with the exception of ground markers that may be placed on the premises to designate sampling areas,
- Grantee will remove boring spoils that accumulate around the bore holes, or, where allowable, spread the spoils across the area, if acceptable to Grantor.
- Grantee will make reasonable efforts to restore the property and leave it in a condition suitable for its previous use.

The Services and field activities authorized under this Access Agreement may begin after signature of Grantor. Access is granted until Services are completed, which should not exceed 450 days following commencement of Services, except for period of access necessary for monitoring equipment, if applicable, after which time all rights of access given by Grantor shall cease.

SIGNATURES

Grantor:

By: Eric Herrod Date: 4-5-13

Name/Title: Air Heir

Address: 4041 FL Shuttlesworth Drive

Phone: 205-492-0966 Fax:

Terracon Consultants, Inc.

By: Terrell W. Rippstein Date: **12/3/2012**

Name/Title: **Terrell W. Rippstein/Principal**

Address: **110 12th Street North**
Birmingham, Alabama 35203

Phone: **205.942.1289** Fax: **205.443.5302**

Exhibit C

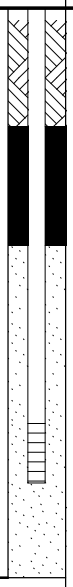
Soil Vapor Point Construction Details

WELL LOG NO. SVP-1

PROJECT: Vapor Intrusion Characterization

CLIENT: Walter Coke

SITE: Walter Coke
Birmingham, AL

GRAPHIC LOG	LOCATION See Exhibit A-2 DEPTH MATERIAL DESCRIPTION	INSTALLATION DETAILS Well Completion:	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			1 2 3 4				
	4.8 ***Boring Terminated at 4.8 Feet***						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
push

Abandonment Method:

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Terracon
110 12th Street North
Birmingham, Alabama

Well Started: 5/1/2013 | Well Completed: 5/1/2013

Drill Rig: DR009 | Driller:

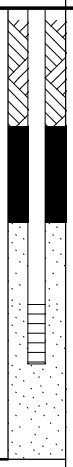
Project No.: E1137075 | Exhibit: B-1

WELL LOG NO. SVP-2

PROJECT: Vapor Intrusion Characterization

CLIENT: Walter Coke

SITE: Walter Coke
Birmingham, AL

GRAPHIC LOG	LOCATION See Exhibit A-2 DEPTH MATERIAL DESCRIPTION	INSTALLATION DETAILS Well Completion:	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			1 2 3				
	3.8 ***Boring Terminated at 3.8 Feet***						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
push

Abandonment Method:

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Terracon
110 12th Street North
Birmingham, Alabama

Well Started: 5/1/2013 | Well Completed: 5/1/2013

Drill Rig: DR009 | Driller:

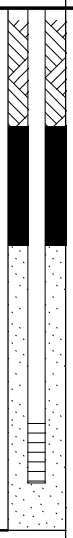
Project No.: E1137075 | Exhibit: B-2

WELL LOG NO. SVP-3

PROJECT: Vapor Intrusion Characterization

CLIENT: Walter Coke

SITE: Walter Coke
Birmingham, AL

GRAPHIC LOG	LOCATION See Exhibit A-2 DEPTH MATERIAL DESCRIPTION	INSTALLATION DETAILS Well Completion:	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			1 2 3 4				
	4.4 ***Boring Terminated at 4.4 Feet***						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
push

Abandonment Method:

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Terracon
110 12th Street North
Birmingham, Alabama

Well Started: 5/1/2013 | Well Completed: 5/1/2013

Drill Rig: DR009 | Driller:

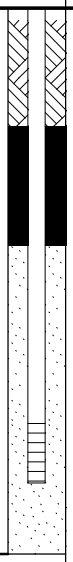
Project No.: E1137075 | Exhibit: B-3

WELL LOG NO. SVP-4

PROJECT: Vapor Intrusion Characterization

CLIENT: Walter Coke

SITE: Walter Coke
Birmingham, AL

GRAPHIC LOG	LOCATION See Exhibit A-2 DEPTH MATERIAL DESCRIPTION	INSTALLATION DETAILS Well Completion:	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			1 2 3 4				
	4.6 ***Boring Terminated at 4.6 Feet***						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
push

Abandonment Method:

See Appendices for description of field procedures.

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS

Terracon
110 12th Street North
Birmingham, Alabama

Well Started: 5/1/2013 | Well Completed: 5/1/2013

Drill Rig: DR009 | Driller:

Project No.: E1137075 | Exhibit: B-4

Exhibit D

Soil Vapor/Indoor Air Sampling Form

SVP-1

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	SV4081I -053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	5111
Flow Controller ID:	4612	Flow Controller Rate Setting (cc/min):	
Start Time:	1042	Finish Time:	1112
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-5 "Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-2

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 FL Shuttlesworth Drive
Sample ID:	SV40771-053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	5027
Flow Controller ID:	4977	Flow Controller Rate Setting (cc/min):	
Start Time:	1055	Finish Time:	1125
Pre-Sampling Vacuum (in Hg):	-30 " Hg	Post-Sampling Vacuum (in Hg):	-5 " Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-3

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	SV40812-053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	4150
Flow Controller ID:	4603	Flow Controller Rate Setting (cc/min):	
Start Time:	1155	Finish Time:	1225
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-6.5" Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

SVP-4

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 FL Shuttlesworth Drive
Sample ID:	SV40772-053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	4307
Flow Controller ID:	4630	Flow Controller Rate Setting (cc/min):	
Start Time:	1207	Finish Time:	1237
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-5 "Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

Crawlspace sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	CS4081-053013	**Location:**	Birmingham, AL
Date:	05-30-13	**Time:**	
Sampler(s):	Brandon K. Haggard Eric Reardon	**Summa Canister ID:**	3275
Flow Controller ID:	5000	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1121 (5-30-13)	**Finish Time:**	1121 (05-31-13)
Pre-Sampling Vacuum (in Hg):	-30 "Hg	**Post-Sampling Vacuum (in Hg):**	-2 "Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			

Sketch:

Crawlspace duplicate sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 EL Shuttlesworth Drive
Sample ID:	DUP-053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	4305
Flow Controller ID:	4514	Flow Controller Rate Setting (cc/min):	
Start Time:	1121 (05-30-13)	Finish Time:	1121 (05-31-13)
Pre-Sampling Vacuum (in Hg):	-30" Hg	Post-Sampling Vacuum (in Hg):	-2" Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

Background Sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 FL Shuttles Worth Drive
Sample ID:	BG - 053013	Location:	Birmingham, AL
Date:	05-30-13	Time:	
Sampler(s):	Brandon K Haggard Eric Reardon	Summa Canister ID:	3236
Flow Controller ID:	5237	Flow Controller Rate Setting (cc/min):	
Start Time:	1020 (05-30-13)	Finish Time:	1151 (05-31-13)
Pre-Sampling Vacuum (in Hg):	-29 " Hg	Post-Sampling Vacuum (in Hg):	-5.5 " Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-1

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 Ft Shuttlesworth Drive
Sample ID:	SV4081-081513	**Location:**	Birmingham
Date:	8-15-13	**Time:**	
Sampler(s):	Brandon K Haggard Eric Reardon	**Summa Canister ID:**	3074
Flow Controller ID:	195	**Flow Controller Rate Setting (cc/min):**	200 ml/min
Start Time:	0928	**Finish Time:**	—
Pre-Sampling Vacuum (in Hg):	—	**Post-Sampling Vacuum (in Hg):**	—
Organic Vapor Reading (ppm):	0.9	**PID used:**	OVM 580B
Summa Canister went to Ambient?	Yes / No	**Method:** TO15	Grab
Comments:	Faulty regulator connection		

Sketch:

SVP-2

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	SV40771-081513	**Location:**	B'ham
Date:	8-15-13	**Time:**	
Sampler(s):	Brandon K Haggard Eric Rearden	**Summa Canister ID:**	~~4924~~ 2547
Flow Controller ID:	~~75~~ 08	**Flow Controller Rate Setting (cc/min):**	200 ml/min
Start Time:	0944	**Finish Time:**	1014
Pre-Sampling Vacuum (in Hg):	-30	**Post-Sampling Vacuum (in Hg):**	-6
Organic Vapor Reading (ppm):	0.0	**PID used:**	OVM 580B
Summa Canister went to Ambient?	Yes / No	**Method:** TO 15	Grab
Comments:			
Sketch:			

SVP-3

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	SV40812-081513	**Location:**	Birmingham, AL
Date:	8-15-13	**Time:**	
Sampler(s):	Branden K. Haggard Eric Reardon	**Summa Canister ID:**	2612
Flow Controller ID:	603	**Flow Controller Rate Setting (cc/min):**	
Start Time:	0954	**Finish Time:**	1024
Pre-Sampling Vacuum (in Hg):	-30	**Post-Sampling Vacuum (in Hg):**	-6
Organic Vapor Reading (ppm):	0	**PID used:**	OVM5803
Summa Canister went to Ambient?	Yes / No	**Method:** TO15	Grab
Comments:			
Sketch:			

SVP-4

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	
Sample ID:	SV40772-0815-13	Location:	
Date:	08-15-13	Time:	
Sampler(s):	Brandon K. Haggard Eric Reardon	Summa Canister ID:	2547
Flow Controller ID:	08	Flow Controller Rate Setting (cc/min):	
Start Time:		Finish Time:	
Pre-Sampling Vacuum (in Hg):		Post-Sampling Vacuum (in Hg):	
Organic Vapor Reading (ppm):		PID used:	
Summa Canistar went to Ambient?	Yes / No	Method: TO 15	Grab
Comments:			
Sketch:			

Faulty Regulator Connection

Crawlspace Sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	CS4081-081513	**Location:**	Birmingham, AL
Date:	8-15-13	**Time:**	
Sampler(s):	Brandon K. Haggard Eric Reardon	**Summa Canister ID:**	2533
Flow Controller ID:	3451	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1120 (08-15-13)	**Finish Time:**	1120 (08-16-13)
Pre-Sampling Vacuum (in Hg):	-30" Hg	**Post-Sampling Vacuum (in Hg):**	-7" Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:** TO 15	Grab
Comments:			

Sketch:

Duplicate Sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	Dup - 081513	**Location:**	Birmingham, AL
Date:	08-15-13	**Time:**	
Sampler(s):	Brandon K. Haggard Eric Reardon	**Summa Canister ID:**	4236
Flow Controller ID:	5214	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1120 (08-15-13)	**Finish Time:**	1120 (08-16-13)
Pre-Sampling Vacuum (in Hg):	-30 "Hg	**Post-Sampling Vacuum (in Hg):**	-7 "Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:** TO 15	Grab
Comments:			

Sketch:

Background sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	~~4077~~ FL Shuttlesworth 4077 Drive
Sample ID:	BG - 0815-13	**Location:**	Birmingham, AL
Date:	8-15-13	**Time:**	
Sampler(s):	Brandon K. Haggard Eric Reardon	**Summa Canister ID:**	4357
Flow Controller ID:	4941	**Flow Controller Rate Setting (cc/min):**	
Start Time:	910 (08-15-13)	**Finish Time:**	1150 (08-16-13)
Pre-Sampling Vacuum (in Hg):	-28" Hg	**Post-Sampling Vacuum (in Hg):**	0
Organic Vapor Reading (ppm):	———	**PID used:**	———
Summa Canister went to Ambient?	Yes / No	**Method:** TO15	Grab
Comments:			

Sketch:

SVP-1 (redone)

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4088 FL Shuttlesworth Drive
Sample ID:	SV4088 1-081613	Location:	Birmingham, AL
Date:	08-16-13	Time:	
Sampler(s):	B. Kyle Haggard Eric Reardon	Summa Canister ID:	4126
Flow Controller ID:	4624	Flow Controller Rate Setting (cc/min):	
Start Time:	1243	Finish Time:	1313
Pre-Sampling Vacuum (in Hg):	-28" Hg	Post-Sampling Vacuum (in Hg):	-3" Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-4 (readone)

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 FL Shuttlesworth Drive
Sample ID:	SV40772-081613	Location:	Birmingham, AL
Date:	08-16-13	Time:	
Sampler(s):	B. Kyle Hagsand Eric Reardon	Summa Canister ID:	4793
Flow Controller ID:	5295	Flow Controller Rate Setting (cc/min):	
Start Time:	1249	Finish Time:	1319
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-4 "Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-1

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	SV40811-111113	Location:	Birmingham, AL
Date:	11-11-13	Time:	
Sampler(s):	B. Kyle Haggard	Summa Canister ID:	
Flow Controller ID:		Flow Controller Rate Setting (cc/min):	
Start Time:	1515	Finish Time:	1545
Pre-Sampling Vacuum (in Hg):	-28" Hg	Post-Sampling Vacuum (in Hg):	-1" Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

SVP-2

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4077 FL Shuttlesworth Drive
Sample ID:	SV4077I-11/1/13	**Location:**	Birmingham, AL
Date:	11-11-13	**Time:**	
Sampler(s):	B. Kyle Haggard	**Summa Canister ID:**	3350
Flow Controller ID:	4890	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1517	**Finish Time:**	1547
Pre-Sampling Vacuum (in Hg):	-30" Hg	**Post-Sampling Vacuum (in Hg):**	-11" Hg
Organic Vapor Reading (ppm):	0	**PID used:**	OVM5803
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			
Sketch:			

SVP-3

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	SV 40812-11/1/13	Location:	Birmingham, AL
Date:	11-1-13	Time:	
Sampler(s):	B. Kyle Haggard	Summa Canister ID:	4068
Flow Controller ID:	4868	Flow Controller Rate Setting (cc/min):	
Start Time:	1519	Finish Time:	1549
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-2 "Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-4

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4077 FL Shuttlesworth Drive
Sample ID:	SV40772-111113	**Location:**	Birmingham, AL
Date:	11-11-13	**Time:**	
Sampler(s):	B. Kyle Haggard	**Summa Canister ID:**	4301
Flow Controller ID:	4698	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1513	**Finish Time:**	1543
Pre-Sampling Vacuum (in Hg):	-28 "Hg	**Post-Sampling Vacuum (in Hg):**	-1 "Hg
Organic Vapor Reading (ppm):	0	**PID used:**	OVM 5803
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			

Sketch:

Background

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4077 FL Shuttlesworth Drive
Sample ID:	BG - 11.11.13	**Location:**	Birmingham, AL
Date:	11-11-13	**Time:**	
Sampler(s):	B. Kyle Haggard	**Summa Canister ID:**	
Flow Controller ID:		**Flow Controller Rate Setting (cc/min):**	
Start Time:	1050 (11-11-13)	**Finish Time:**	1230 (11-12-13)
Pre-Sampling Vacuum (in Hg):	-30 " Hg	**Post-Sampling Vacuum (in Hg):**	-7 " Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			

Sketch:

Crawlspace sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	CS4081-111113	Location:	Birmingham, AL
Date:	11-11-13	Time:	
Sampler(s):	B. Kyle Haggard	Summa Canister ID:	
Flow Controller ID:		Flow Controller Rate Setting (cc/min):	
Start Time:	1200 (11-11-13)	Finish Time:	1200 (11-12-13)
Pre-Sampling Vacuum (in Hg):	-30" Hg	Post-Sampling Vacuum (in Hg):	-1" Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

Duplicate sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	DUP - 11-11-13	Location:	Birmingham, AL
Date:	11-11-13	Time:	
Sampler(s):	B. Kyle Haggard	Summa Canister ID:	
Flow Controller ID:		Flow Controller Rate Setting (cc/min):	
Start Time:	1200 (11-11-13)	Finish Time:	1200 (11-12-13)
Pre-Sampling Vacuum (in Hg):	-30 " Hg	Post-Sampling Vacuum (in Hg):	-1 " Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-1

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 FL Shuttlesworth Drive
Sample ID:	SV40811-021914	Location:	Birmingham, AL
Date:	2-19-14	Time:	
Sampler(s):	B. Kyle Haggard Ivey Edwards	Summa Canister ID:	2889
Flow Controller ID:	165	Flow Controller Rate Setting (cc/min):	
Start Time:	1100	Finish Time:	1130
Pre-Sampling Vacuum (in Hg):	-30" Hg	Post-Sampling Vacuum (in Hg):	-6" Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

SVP-2

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 FL Stanfieldworth Drive
Sample ID:	SV40771-021914	Location:	Birmingham, AL
Date:	02-19-14	Time:	
Sampler(s):	B. Kyle Haggard Ivey Edwards	Summa Canister ID:	5054
Flow Controller ID:	5600	Flow Controller Rate Setting (cc/min):	
Start Time:	1056	Finish Time:	1126
Pre-Sampling Vacuum (in Hg):	-30 "Hg	Post-Sampling Vacuum (in Hg):	-5 "Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-3

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4081 PL Shuttlesworth Drive
Sample ID:	SV40812-021914	Location:	Birmingham, AL
Date:	02-19-14	Time:	
Sampler(s):	B. Kyle Haggard Ivey Edwards	Summa Canister ID:	4158
Flow Controller ID:	5598	Flow Controller Rate Setting (cc/min):	
Start Time:	1104	Finish Time:	1134
Pre-Sampling Vacuum (in Hg):	-19" Hg	Post-Sampling Vacuum (in Hg):	-9" Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

SVP-4

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 Pl Shuttlesworth Drive
Sample ID:	SV40772-021914	Location:	Birmingham, AL
Date:	02-19-14	Time:	
Sampler(s):	B. Kyle Haggard Ivey Edwards	Summa Canister ID:	4820
Flow Controller ID:	5592	Flow Controller Rate Setting (cc/min):	
Start Time:	1105	Finish Time:	1135
Pre-Sampling Vacuum (in Hg):	-30" Hg	Post-Sampling Vacuum (in Hg):	-4" Hg
Organic Vapor Reading (ppm):	0	PID used:	OVM 5803
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			
Sketch:			

Background

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		Address:	4077 Pl Shuttlesworth Drive
Sample ID:	BG-021914	Location:	Birmingham, AL
Date:	02-19-14	Time:	-
Sampler(s):	B. Kyle Haggard Ivey Edwards	Summa Canister ID:	5047
Flow Controller ID:	3186	Flow Controller Rate Setting (cc/min):	
Start Time:	1035 (02-19-14)	Finish Time:	1215 (02-20-14)
Pre-Sampling Vacuum (in Hg):	-29" Hg	Post-Sampling Vacuum (in Hg):	-2" Hg
Organic Vapor Reading (ppm):		PID used:	
Summa Canister went to Ambient?	Yes / No	Method:	Grab
Comments:			

Sketch:

Crawlspace Sample

Soil Vapor/Indoor Air Sampling Information Form

Residence ID:		**Address:**	4081 FL Shuttlesworth Drive
Sample ID:	CS 4081-021914	**Location:**	Birmingham, AL
Date:	02-19-14	**Time:**	
Sampler(s):	B. Kyle Hoggard Ivey Edwards	**Summa Canister ID:**	4803
Flow Controller ID:	3784	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1145 (02-19-14)	**Finish Time:**	1145 (02-20-14)
Pre-Sampling Vacuum (in Hg):	-30 "Hg	**Post-Sampling Vacuum (in Hg):**	0 "Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			
Sketch:			

Duplicate Sample **Soil Vapor/Indoor Air Sampling Information Form**

Residence ID:		**Address:**	4041 FL Shuttlesworth Drive
Sample ID:	DUP - 021914	**Location:**	Birmingham, AL
Date:	02-19-14	**Time:**	
Sampler(s):	B. Kyle Haggard Ivey Edwards	**Summa Canister ID:**	2612
Flow Controller ID:	3296	**Flow Controller Rate Setting (cc/min):**	
Start Time:	1145 (02-19-14)	**Finish Time:**	1145 (02-20-14)
Pre-Sampling Vacuum (in Hg):	-30 "Hg	**Post-Sampling Vacuum (in Hg):**	-5 "Hg
Organic Vapor Reading (ppm):		**PID used:**	
Summa Canister went to Ambient?	Yes / No	**Method:**	Grab
Comments:			

Sketch:

Exhibit E

Laboratory Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-16861-1

SDG Number: 200-16861

Job Description: Walter Coke VI Characterization

For:
Terracon Consultants Inc fka Gallet Asso
110 12th Street North
Birmingham, AL 35203

Attention: Mr. Terry Rippstein

Approved for release.
Don C Dawicki
Customer Service Manager
6/20/2013 8:23 AM

Don C Dawicki, Customer Service Manager
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
06/20/2013

cc: Mr. Travis Stamper

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CASE NARRATIVE

Client: Terracon Consultants Inc

Project: Walter Coke VI Characterization

Report Number: 200-16861-1

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 06/07/2013; the samples arrived in good condition.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SV40771-053013 (200-16861-2). The container label lists an end time of 11:25 The COC lists 11:27. The sample was logged in per the COC.

VOLATILE ORGANIC COMPOUNDS

Samples SV40811-053013, SV40771-053013, SV40812-053013 and SV40772-053013 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/10/2013.

No difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Samples CS40811-053013, DUP-053013 and BG-053013 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/12/2013.

Samples CS40811-053013[2.99X], DUP-053013[2.99X] and BG-053013[2.99X] required dilution prior to analysis in order to provide for the client specific reporting limits.

No difficulties were encountered during the Low Level VOC analysis.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Analysis Batch Number: 55724

Lab Sample ID: IC 200-55724/3 Client Sample ID:

Date Analyzed: 05/17/13 11:22 Lab File ID: gie003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.86	Peak not found by the data system	pd	05/17/13 23:23
1,1-Dichloroethane	9.17	Peak not found by the data system	pd	05/20/13 09:56

Lab Sample ID: IC 200-55724/4 Client Sample ID:

Date Analyzed: 05/17/13 12:12 Lab File ID: gie004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Pentane	5.61	Peak not found by the data system	pd	05/20/13 09:58

Lab Sample ID: IC 200-55724/5 Client Sample ID:

Date Analyzed: 05/17/13 13:02 Lab File ID: gie005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Butyl Ketone (2-Hexanone)	17.59	Baseline event	pd	05/17/13 22:59

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 56556

Lab Sample ID: IC 200-56556/4 Client Sample ID:

Date Analyzed: 06/04/13 11:51 Lab File ID: efv004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	4.40	Baseline event	pd	06/05/13 10:57
1,1-Dichloroethene	6.28	Baseline event	pd	06/05/13 11:09
Cyclohexane	10.26	Baseline event	pd	06/05/13 11:09
1,2-Dichloropropane	12.11	Peak not found by the data system	pd	06/05/13 11:10
Bromoform	16.61	Peak not found by the data system	pd	06/05/13 11:10

Lab Sample ID: IC 200-56556/5 Client Sample ID:

Date Analyzed: 06/04/13 12:46 Lab File ID: efv005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	4.61	Baseline event	pd	06/05/13 11:11
Methyl tert-butyl ether	7.76	Baseline event	pd	06/05/13 11:12
1,1,2-Trichloroethane	14.18	Baseline event	pd	06/05/13 11:12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: IC 200-57137/3 Client Sample ID:

Date Analyzed: 06/04/13 11:51 Lab File ID: efv004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	6.28	Baseline event	pd	06/05/13 11:09

Lab Sample ID: IC 200-57137/4 Client Sample ID:

Date Analyzed: 06/04/13 12:46 Lab File ID: efv005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	4.61	Baseline event	pd	06/05/13 11:11
1,1,2-Trichloroethane	14.18	Baseline event	pd	06/05/13 11:12

Lab Sample ID: IC 200-57137/5 Client Sample ID:

Date Analyzed: 06/04/13 13:41 Lab File ID: efv006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.55	Analyte misidentified by the data system	wrd	06/17/13 10:04
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:03

Lab Sample ID: IC 200-57137/6 Client Sample ID:

Date Analyzed: 06/04/13 14:37 Lab File ID: efv007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:05
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:05
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:06

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: ICIS 200-57137/7 Client Sample ID:

Date Analyzed: 06/04/13 15:32 Lab File ID: efv008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:06
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:07
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:07

Lab Sample ID: IC 200-57137/8 Client Sample ID:

Date Analyzed: 06/04/13 16:28 Lab File ID: efv009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:08
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:08
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:08

Lab Sample ID: IC 200-57137/9 Client Sample ID:

Date Analyzed: 06/04/13 17:24 Lab File ID: efv010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:09
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:09
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:10

Lab Sample ID: IC 200-57137/10 Client Sample ID:

Date Analyzed: 06/04/13 18:19 Lab File ID: efv011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:11
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:11
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:11

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: IC 200-57137/11 Client Sample ID:

Date Analyzed: 06/04/13 19:14 Lab File ID: efv012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.52	Baseline event	wrd	06/17/13 10:21
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:21
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:22

Lab Sample ID: IC 200-57137/12 Client Sample ID:

Date Analyzed: 06/04/13 20:10 Lab File ID: efv013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:23
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:23
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:24

Lab Sample ID: ICV 200-57137/15 Client Sample ID:

Date Analyzed: 06/04/13 22:54 Lab File ID: efv016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:25
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:26
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:26

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57144

Lab Sample ID: CCVIS 200-57144/2 Client Sample ID:

Date Analyzed: 06/12/13 11:56 Lab File ID: efvd002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 11:51
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 11:51
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 11:52

Lab Sample ID: LCS 200-57144/3 Client Sample ID:

Date Analyzed: 06/12/13 12:52 Lab File ID: efvd003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 11:53

SAMPLE SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-16861-1	SV40811-053013	Air	05/30/2013 1112	06/07/2013 0955
200-16861-2	SV40771-053013	Air	05/30/2013 1127	06/07/2013 0955
200-16861-3	SV40812-053013	Air	05/30/2013 1225	06/07/2013 0955
200-16861-4	SV40772-053013	Air	05/30/2013 1237	06/07/2013 0955
200-16861-5	CS40811-053013	Air	05/31/2013 1121	06/07/2013 0955
200-16861-6	DUP-053013	Air	05/31/2013 1121	06/07/2013 0955
200-16861-7	BG-053013	Air	05/31/2013 1151	06/07/2013 0955

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-1	**SV40811-053013**					
Benzene		5.3		0.20	ppb v/v	TO-15
Benzene		17		0.64	ug/m3	TO-15
Toluene		1.4		0.20	ppb v/v	TO-15
Toluene		5.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.13		0.040	ppb v/v	TO-15
Tetrachloroethene		0.87		0.27	ug/m3	TO-15
Ethylbenzene		0.21		0.20	ppb v/v	TO-15
Ethylbenzene		0.91		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.25	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.1	J	2.2	ug/m3	TO-15
o-Xylene		1.7		0.20	ppb v/v	TO-15
o-Xylene		7.2		0.87	ug/m3	TO-15
Xylenes, Total		1.9		0.20	ppb v/v	TO-15
Xylenes, Total		8.2		0.87	ug/m3	TO-15
Chlorobenzene		4.7		0.20	ppb v/v	TO-15
Chlorobenzene		21		0.92	ug/m3	TO-15
200-16861-2	**SV40771-053013**					
Benzene		5.8		0.20	ppb v/v	TO-15
Benzene		18		0.64	ug/m3	TO-15
Toluene		2.9		0.20	ppb v/v	TO-15
Toluene		11		0.75	ug/m3	TO-15
Tetrachloroethene		0.070		0.040	ppb v/v	TO-15
Tetrachloroethene		0.48		0.27	ug/m3	TO-15
Ethylbenzene		0.26		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.44	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.9	J	2.2	ug/m3	TO-15
o-Xylene		1.7		0.20	ppb v/v	TO-15
o-Xylene		7.6		0.87	ug/m3	TO-15
Xylenes, Total		2.2		0.20	ppb v/v	TO-15
Xylenes, Total		9.5		0.87	ug/m3	TO-15
Chlorobenzene		5.2		0.20	ppb v/v	TO-15
Chlorobenzene		24		0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-3	**SV40812-053013**					
Benzene		5.9		0.20	ppb v/v	TO-15
Benzene		19		0.64	ug/m3	TO-15
Toluene		3.7		0.20	ppb v/v	TO-15
Toluene		14		0.75	ug/m3	TO-15
Tetrachloroethene		0.079		0.040	ppb v/v	TO-15
Tetrachloroethene		0.54		0.27	ug/m3	TO-15
Ethylbenzene		0.34		0.20	ppb v/v	TO-15
Ethylbenzene		1.5		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.70		0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		3.0		2.2	ug/m3	TO-15
o-Xylene		1.5		0.20	ppb v/v	TO-15
o-Xylene		6.5		0.87	ug/m3	TO-15
Xylenes, Total		2.2		0.20	ppb v/v	TO-15
Xylenes, Total		9.6		0.87	ug/m3	TO-15
Chlorobenzene		4.7		0.20	ppb v/v	TO-15
Chlorobenzene		22		0.92	ug/m3	TO-15
200-16861-4	**SV40772-053013**					
Benzene		3.4		0.20	ppb v/v	TO-15
Benzene		11		0.64	ug/m3	TO-15
Toluene		0.78		0.20	ppb v/v	TO-15
Toluene		2.9		0.75	ug/m3	TO-15
Tetrachloroethene		0.27		0.040	ppb v/v	TO-15
Tetrachloroethene		1.8		0.27	ug/m3	TO-15
Ethylbenzene		0.13	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.57	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.20	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		0.86	J	2.2	ug/m3	TO-15
o-Xylene		0.80		0.20	ppb v/v	TO-15
o-Xylene		3.5		0.87	ug/m3	TO-15
Xylenes, Total		1.0		0.20	ppb v/v	TO-15
Xylenes, Total		4.3		0.87	ug/m3	TO-15
Chlorobenzene		2.8		0.20	ppb v/v	TO-15
Chlorobenzene		13		0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-5	**CS40811-053013**					
Benzene		0.22		0.030	ppb v/v	TO15 LL
Benzene		0.70		0.096	ug/m3	TO15 LL
Trichloroethene		0.066		0.030	ppb v/v	TO15 LL
Trichloroethene		0.36		0.16	ug/m3	TO15 LL
Toluene		1.8		0.030	ppb v/v	TO15 LL
Toluene		6.9		0.11	ug/m3	TO15 LL
Ethylbenzene		0.14		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.62		0.13	ug/m3	TO15 LL
o-Xylene		0.18		0.030	ppb v/v	TO15 LL
o-Xylene		0.78		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.49		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		2.1		0.26	ug/m3	TO15 LL
Xylenes, Total		0.67		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.9		0.13	ug/m3	TO15 LL
200-16861-6	**DUP-053013**					
Benzene		0.20		0.030	ppb v/v	TO15 LL
Benzene		0.62		0.096	ug/m3	TO15 LL
Toluene		0.75		0.030	ppb v/v	TO15 LL
Toluene		2.8		0.11	ug/m3	TO15 LL
Ethylbenzene		0.13		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.56		0.13	ug/m3	TO15 LL
o-Xylene		0.14		0.030	ppb v/v	TO15 LL
o-Xylene		0.62		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.39		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.7		0.26	ug/m3	TO15 LL
Xylenes, Total		0.53		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.3		0.13	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-7	**BG-053013**					
trans-1,2-Dichloroethene		0.031		0.030	ppb v/v	TO15 LL
trans-1,2-Dichloroethene		0.12		0.12	ug/m3	TO15 LL
Benzene		0.14		0.030	ppb v/v	TO15 LL
Benzene		0.44		0.096	ug/m3	TO15 LL
Toluene		1.4		0.030	ppb v/v	TO15 LL
Toluene		5.4		0.11	ug/m3	TO15 LL
Ethylbenzene		0.14		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.61		0.13	ug/m3	TO15 LL
o-Xylene		0.12		0.030	ppb v/v	TO15 LL
o-Xylene		0.51		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.36		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.6		0.26	ug/m3	TO15 LL
Xylenes, Total		0.48		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.1		0.13	ug/m3	TO15 LL

METHOD SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL BUR	EPA TO15 LL	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method	Analyst	Analyst ID
EPA TO-15	Lyons, Benjamin	BL
EPA TO15 LL	Desjardins, William R	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40811-053013**

Lab Sample ID: 200-16861-1
Client Matrix: Air

Date Sampled: 05/30/2013 1112
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1431			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1431			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.3		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	1.4		0.014	0.20
Tetrachloroethene	0.13		0.015	0.040
Ethylbenzene	0.21		0.015	0.20
m-Xylene & p-Xylene	0.25	J	0.022	0.50
o-Xylene	1.7		0.016	0.20
Xylenes, Total	1.9		0.016	0.20
Chlorobenzene	4.7		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	17		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	5.3		0.053	0.75
Tetrachloroethene	0.87		0.10	0.27
Ethylbenzene	0.91		0.065	0.87
m-Xylene & p-Xylene	1.1	J	0.096	2.2
o-Xylene	7.2		0.069	0.87
Xylenes, Total	8.2		0.069	0.87
Chlorobenzene	21		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40771-053013**

Lab Sample ID: 200-16861-2
Client Matrix: Air

Date Sampled: 05/30/2013 1127
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1519			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1519			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.8		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	2.9		0.014	0.20
Tetrachloroethene	0.070		0.015	0.040
Ethylbenzene	0.26		0.015	0.20
m-Xylene & p-Xylene	0.44	J	0.022	0.50
o-Xylene	1.7		0.016	0.20
Xylenes, Total	2.2		0.016	0.20
Chlorobenzene	5.2		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	18		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	11		0.053	0.75
Tetrachloroethene	0.48		0.10	0.27
Ethylbenzene	1.1		0.065	0.87
m-Xylene & p-Xylene	1.9	J	0.096	2.2
o-Xylene	7.6		0.069	0.87
Xylenes, Total	9.5		0.069	0.87
Chlorobenzene	24		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40812-053013**

Lab Sample ID: 200-16861-3
Client Matrix: Air

Date Sampled: 05/30/2013 1225
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1605			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1605			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.9		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	3.7		0.014	0.20
Tetrachloroethene	0.079		0.015	0.040
Ethylbenzene	0.34		0.015	0.20
m-Xylene & p-Xylene	0.70		0.022	0.50
o-Xylene	1.5		0.016	0.20
Xylenes, Total	2.2		0.016	0.20
Chlorobenzene	4.7		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	19		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	14		0.053	0.75
Tetrachloroethene	0.54		0.10	0.27
Ethylbenzene	1.5		0.065	0.87
m-Xylene & p-Xylene	3.0		0.096	2.2
o-Xylene	6.5		0.069	0.87
Xylenes, Total	9.6		0.069	0.87
Chlorobenzene	22		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40772-053013**

Lab Sample ID: 200-16861-4
Client Matrix: Air

Date Sampled: 05/30/2013 1237
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1652			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1652			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	3.4		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	0.78		0.014	0.20
Tetrachloroethene	0.27		0.015	0.040
Ethylbenzene	0.13	J	0.015	0.20
m-Xylene & p-Xylene	0.20	J	0.022	0.50
o-Xylene	0.80		0.016	0.20
Xylenes, Total	1.0		0.016	0.20
Chlorobenzene	2.8		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	11		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	2.9		0.053	0.75
Tetrachloroethene	1.8		0.10	0.27
Ethylbenzene	0.57	J	0.065	0.87
m-Xylene & p-Xylene	0.86	J	0.096	2.2
o-Xylene	3.5		0.069	0.87
Xylenes, Total	4.3		0.069	0.87
Chlorobenzene	13		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **CS40811-053013**

Lab Sample ID: 200-16861-5
Client Matrix: Air

Date Sampled: 05/31/2013 1121
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd005.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1503			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1503			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.22		0.030	0.030
Trichloroethene	0.066		0.030	0.030
Toluene	1.8		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.14		0.030	0.030
o-Xylene	0.18		0.030	0.030
m-Xylene & p-Xylene	0.49		0.060	0.060
Xylenes, Total	0.67		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.70		0.096	0.096
Trichloroethene	0.36		0.16	0.16
Toluene	6.9		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.62		0.13	0.13
o-Xylene	0.78		0.13	0.13
m-Xylene & p-Xylene	2.1		0.26	0.26
Xylenes, Total	2.9		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **DUP-053013**

Lab Sample ID: 200-16861-6
Client Matrix: Air

Date Sampled: 05/31/2013 1121
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd006.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1558			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1558			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.20		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.75		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.13		0.030	0.030
o-Xylene	0.14		0.030	0.030
m-Xylene & p-Xylene	0.39		0.060	0.060
Xylenes, Total	0.53		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.62		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	2.8		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.56		0.13	0.13
o-Xylene	0.62		0.13	0.13
m-Xylene & p-Xylene	1.7		0.26	0.26
Xylenes, Total	2.3		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **BG-053013**

Lab Sample ID: 200-16861-7
Client Matrix: Air

Date Sampled: 05/31/2013 1151
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd007.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1653			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1653			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.031		0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.14		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	1.4		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.14		0.030	0.030
o-Xylene	0.12		0.030	0.030
m-Xylene & p-Xylene	0.36		0.060	0.060
Xylenes, Total	0.48		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12		0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.44		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	5.4		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.61		0.13	0.13
o-Xylene	0.51		0.13	0.13
m-Xylene & p-Xylene	1.6		0.26	0.26
Xylenes, Total	2.1		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method Blank - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-56885/5	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1257	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1257			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	0.20	U	0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	0.20	U	0.014	0.20
Tetrachloroethene	0.040	U	0.015	0.040
Ethylbenzene	0.20	U	0.015	0.20
m-Xylene & p-Xylene	0.50	U	0.022	0.50
o-Xylene	0.20	U	0.016	0.20
Xylenes, Total	0.20	U	0.016	0.20
Chlorobenzene	0.20	U	0.013	0.20

Method Blank - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-56885/5	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1257	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1257			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	0.64	U	0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	0.75	U	0.053	0.75
Tetrachloroethene	0.27	U	0.10	0.27
Ethylbenzene	0.87	U	0.065	0.87
m-Xylene & p-Xylene	2.2	U	0.096	2.2
o-Xylene	0.87	U	0.069	0.87
Xylenes, Total	0.87	U	0.069	0.87
Chlorobenzene	0.92	U	0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Control Sample - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-56885/4	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1210	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1210			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	10.0	10.3	103	70 - 130	
1,1-Dichloroethene	10.0	11.5	115	70 - 130	
trans-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	10.6	107	70 - 130	
Benzene	10.0	9.29	93	70 - 130	
Trichloroethene	10.0	10.3	103	70 - 130	
Toluene	10.0	9.71	97	70 - 130	
Tetrachloroethene	10.0	9.46	95	70 - 130	
Ethylbenzene	10.0	10.0	100	70 - 130	
m-Xylene & p-Xylene	20.0	19.3	97	70 - 130	
o-Xylene	10.0	9.55	96	70 - 130	
Chlorobenzene	10.0	9.81	98	70 - 130	

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method Blank - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-57144/4	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	06/12/2013 1347	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1347			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.020	U	0.020	0.020
1,1-Dichloroethene	0.010	U	0.010	0.010
trans-1,2-Dichloroethene	0.010	U	0.010	0.010
cis-1,2-Dichloroethene	0.010	U	0.010	0.010
Benzene	0.010	U	0.010	0.010
Trichloroethene	0.010	U	0.010	0.010
Toluene	0.010	U	0.010	0.010
Tetrachloroethene	0.010	U	0.010	0.010
Ethylbenzene	0.010	U	0.010	0.010
o-Xylene	0.010	U	0.010	0.010
m-Xylene & p-Xylene	0.020	U	0.020	0.020
Xylenes, Total	0.010	U	0.010	0.010
Chlorobenzene	0.040	U	0.040	0.040

Method Blank - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-57144/4	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	06/12/2013 1347	Units:	ug/m3	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1347			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.051	U	0.051	0.051
1,1-Dichloroethene	0.040	U	0.040	0.040
trans-1,2-Dichloroethene	0.040	U	0.040	0.040
cis-1,2-Dichloroethene	0.040	U	0.040	0.040
Benzene	0.032	U	0.032	0.032
Trichloroethene	0.054	U	0.054	0.054
Toluene	0.038	U	0.038	0.038
Tetrachloroethene	0.068	U	0.068	0.068
Ethylbenzene	0.043	U	0.043	0.043
o-Xylene	0.043	U	0.043	0.043
m-Xylene & p-Xylene	0.087	U	0.087	0.087
Xylenes, Total	0.043	U	0.043	0.043
Chlorobenzene	0.18	U	0.18	0.18

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Control Sample - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	LCS 200-57144/3	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/12/2013 1252	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1252			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	0.200	0.206	103	70 - 130	
1,1-Dichloroethene	0.200	0.177	88	70 - 130	
trans-1,2-Dichloroethene	0.200	0.177	88	70 - 130	
cis-1,2-Dichloroethene	0.200	0.184	92	70 - 130	
Benzene	0.200	0.174	87	70 - 130	
Trichloroethene	0.200	0.186	93	70 - 130	
Toluene	0.200	0.191	96	70 - 130	
Tetrachloroethene	0.200	0.208	104	70 - 130	
Ethylbenzene	0.200	0.193	96	70 - 130	
o-Xylene	0.200	0.200	100	70 - 130	
m-Xylene & p-Xylene	0.400	0.408	102	70 - 130	
Chlorobenzene	0.200	0.194	97	70 - 130	

DATA REPORTING QUALIFIERS

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

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.

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-56885					
LCS 200-56885/4	Lab Control Sample	T	Air	TO-15	
MB 200-56885/5	Method Blank	T	Air	TO-15	
200-16861-1	SV40811-053013	T	Air	TO-15	
200-16861-2	SV40771-053013	T	Air	TO-15	
200-16861-3	SV40812-053013	T	Air	TO-15	
200-16861-4	SV40772-053013	T	Air	TO-15	
Analysis Batch:200-57144					
LCS 200-57144/3	Lab Control Sample	T	Air	TO15 LL	
MB 200-57144/4	Method Blank	T	Air	TO15 LL	
200-16861-5	CS40811-053013	T	Air	TO15 LL	
200-16861-6	DUP-053013	T	Air	TO15 LL	
200-16861-7	BG-053013	T	Air	TO15 LL	

Report Basis
T = Total

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG: 200-16861

Laboratory Chronicle

Lab ID: 200-16861-1 **Client ID:** SV40811-053013

Sample Date/Time: 05/30/2013 11:12 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-1		200-56885		06/10/2013 14:31	1	TAL BUR	BL
A:TO-15	200-16861-A-1		200-56885		06/10/2013 14:31	1	TAL BUR	BL

Lab ID: 200-16861-2 **Client ID:** SV40771-053013

Sample Date/Time: 05/30/2013 11:27 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-2		200-56885		06/10/2013 15:19	1	TAL BUR	BL
A:TO-15	200-16861-A-2		200-56885		06/10/2013 15:19	1	TAL BUR	BL

Lab ID: 200-16861-3 **Client ID:** SV40812-053013

Sample Date/Time: 05/30/2013 12:25 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-3		200-56885		06/10/2013 16:05	1	TAL BUR	BL
A:TO-15	200-16861-A-3		200-56885		06/10/2013 16:05	1	TAL BUR	BL

Lab ID: 200-16861-4 **Client ID:** SV40772-053013

Sample Date/Time: 05/30/2013 12:37 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-4		200-56885		06/10/2013 16:52	1	TAL BUR	BL
A:TO-15	200-16861-A-4		200-56885		06/10/2013 16:52	1	TAL BUR	BL

Lab ID: 200-16861-5 **Client ID:** CS40811-053013

Sample Date/Time: 05/31/2013 11:21 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-5		200-57144		06/12/2013 15:03	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-5		200-57144		06/12/2013 15:03	2.99	TAL BUR	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG: 200-16861

Laboratory Chronicle

Lab ID: 200-16861-6 **Client ID:** DUP-053013

Sample Date/Time: 05/31/2013 11:21 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-6		200-57144		06/12/2013 15:58	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-6		200-57144		06/12/2013 15:58	2.99	TAL BUR	WRD

Lab ID: 200-16861-7 **Client ID:** BG-053013

Sample Date/Time: 05/31/2013 11:51 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-7		200-57144		06/12/2013 16:53	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-7		200-57144		06/12/2013 16:53	2.99	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-56885/5		200-56885		06/10/2013 12:57	1	TAL BUR	BL
A:TO-15	MB 200-56885/5		200-56885		06/10/2013 12:57	1	TAL BUR	BL
P:Summa Canister	MB 200-57144/4		200-57144		06/12/2013 13:47	1	TAL BUR	WRD
A:TO15 LL	MB 200-57144/4		200-57144		06/12/2013 13:47	1	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-56885/4		200-56885		06/10/2013 12:10	1	TAL BUR	BL
A:TO-15	LCS 200-56885/4		200-56885		06/10/2013 12:10	1	TAL BUR	BL
P:Summa Canister	LCS 200-57144/3		200-57144		06/12/2013 12:52	1	TAL BUR	WRD
A:TO15 LL	LCS 200-57144/3		200-57144		06/12/2013 12:52	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Terracon Consultants Inc fka Gallet Asso
Project/Site: Walter Coke VI Characterization

TestAmerica Job ID: 200-16861-1
SDG: 200-16861

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

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

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Matrix: Air Level: Low Lab File ID: efvd003.d

Lab ID: LCS 200-57144/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.206	103	70-130	
1,1-Dichloroethene	0.200	0.177	88	70-130	
trans-1,2-Dichloroethene	0.200	0.177	88	70-130	
cis-1,2-Dichloroethene	0.200	0.184	92	70-130	
Benzene	0.200	0.174	87	70-130	
Trichloroethene	0.200	0.186	93	70-130	
Toluene	0.200	0.191	96	70-130	
Tetrachloroethene	0.200	0.208	104	70-130	
Ethylbenzene	0.200	0.193	96	70-130	
o-Xylene	0.200	0.200	100	70-130	
m-Xylene & p-Xylene	0.400	0.408	102	70-130	
Chlorobenzene	0.200	0.194	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efvd004.d Lab Sample ID: MB 200-57144/4

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

Instrument ID: E.i Date Analyzed: 06/12/2013 13:47

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 200-57144/3	efvd003.d	06/12/2013 12:52
CS40811-053013	200-16861-5	efvd005.d	06/12/2013 15:03
DUP-053013	200-16861-6	efvd006.d	06/12/2013 15:58
BG-053013	200-16861-7	efvd007.d	06/12/2013 16:53

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efv001.d BFB Injection Date: 06/04/2013

Instrument ID: E.i BFB Injection Time: 09:05

Analysis Batch No.: 56556

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.2	
75	30.0 - 66.0% of mass 95	46.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	103.2	
175	4.0 - 9.0 % of mass 174	7.4	(7.2)1
176	93.0 - 101.0% of mass 174	100.4	(97.3)1
177	5.0 - 9.0% of mass 176	6.6	(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
	IC 200-56556/4	efv004.d	06/04/2013	11:51
	IC 200-56556/5	efv005.d	06/04/2013	12:46
	IC 200-56556/6	efv006.d	06/04/2013	13:41
	IC 200-56556/7	efv007.d	06/04/2013	14:37
	ICIS 200-56556/8	efv008.d	06/04/2013	15:32
	IC 200-56556/9	efv009.d	06/04/2013	16:28
	IC 200-56556/10	efv010.d	06/04/2013	17:24
	IC 200-56556/11	efv011.d	06/04/2013	18:19
	IC 200-56556/12	efv012.d	06/04/2013	19:14
	IC 200-56556/13	efv013.d	06/04/2013	20:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efvd001.d BFB Injection Date: 06/12/2013

Instrument ID: E.i BFB Injection Time: 11:02

Analysis Batch No.: 57144

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.3	
75	30.0 - 66.0% of mass 95	49.1	
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	(0.5)1
174	50.0 - 120.0% of mass 95	95.2	
175	4.0 - 9.0 % of mass 174	6.9	(7.2)1
176	93.0 - 101.0% of mass 174	92.6	(97.3)1
177	5.0 - 9.0% of mass 176	5.9	(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 200-57144/2	efvd002.d	06/12/2013	11:56
	LCS 200-57144/3	efvd003.d	06/12/2013	12:52
	MB 200-57144/4	efvd004.d	06/12/2013	13:47
CS40811-053013	200-16861-5	efvd005.d	06/12/2013	15:03
DUP-053013	200-16861-6	efvd006.d	06/12/2013	15:58
BG-053013	200-16861-7	efvd007.d	06/12/2013	16:53

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: ICIS 200-57137/7 Date Analyzed: 06/04/2013 15:32

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efv008.d Heated Purge: (Y/N) N

Calibration ID: 22125

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1228586	9.93	5951502	11.38	5416411	15.51
UPPER LIMIT		1720020	10.26	8332103	11.71	7582975	15.84
LOWER LIMIT		737152	9.60	3570901	11.05	3249847	15.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-57137/15		1428943	9.93	7090366	11.38	6330946	15.51

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 TO15 LL

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: CCVIS 200-57144/2 Date Analyzed: 06/12/2013 11:56

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efvd002.d Heated Purge: (Y/N) N

Calibration ID: 22125

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1185628	9.93	5824128	11.37	5286725	15.51
UPPER LIMIT		1659879	10.26	8153779	11.70	7401415	15.84
LOWER LIMIT		711377	9.60	3494477	11.04	3172035	15.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-57144/3		1279564	9.93	6261281	11.38	5556035	15.51
MB 200-57144/4		1171596	9.93	5824596	11.38	4185875	15.51
200-16861-5	CS40811-053013	1210270	9.93	6048752	11.38	5181883	15.50
200-16861-6	DUP-053013	1140694	9.93	5454178	11.38	4794975	15.51
200-16861-7	BG-053013	1199601	9.93	5466005	11.38	4943644	15.51

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 TO15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: CS40811-053013 Lab Sample ID: 200-16861-5

Matrix: Air Lab File ID: efvd005.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:03

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.22		0.030	0.030
79-01-6	Trichloroethene	131.39	0.066		0.030	0.030
108-88-3	Toluene	92.14	1.8		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.14		0.030	0.030
95-47-6	o-Xylene	106.17	0.18		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.49		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.67		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: CS40811-053013 Lab Sample ID: 200-16861-5

Matrix: Air Lab File ID: efvd005.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:03

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.70		0.096	0.096
79-01-6	Trichloroethene	131.39	0.36		0.16	0.16
108-88-3	Toluene	92.14	6.9		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.62		0.13	0.13
95-47-6	o-Xylene	106.17	0.78		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	2.1		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.9		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-5
Client Smp ID: CS40811-053013
Inj Date : 12-JUN-2013 15:03
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-5
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

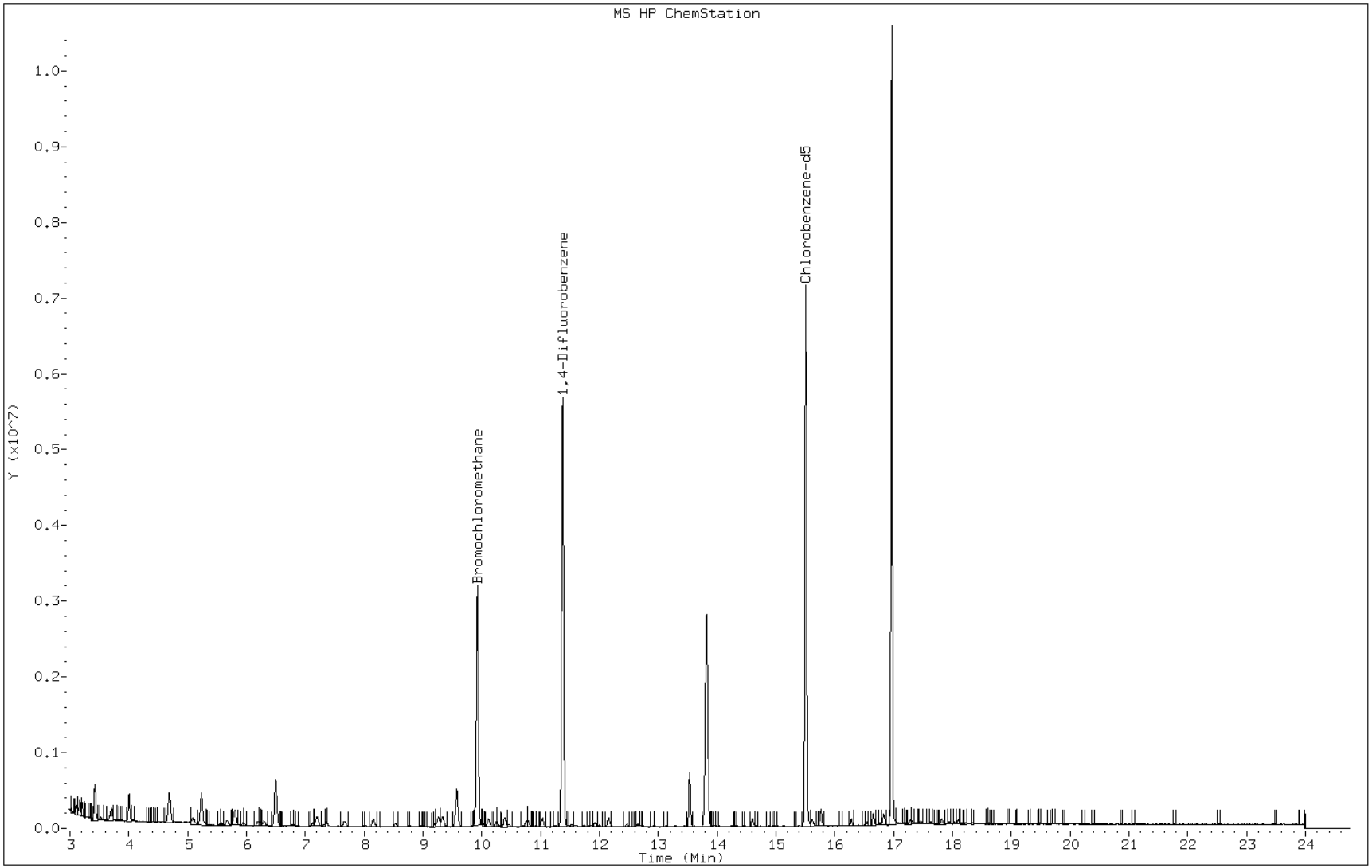
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	186159	0.17302	0.52
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	35512	0.21591	0.64(QM)
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	5.084	5.095	(0.512)	108507	0.08968	0.27
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	22248	0.02917	0.087(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.373	7.368	(0.743)	35754	0.11411	0.34
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
28	Methyl tert-butyl ether	73	Compound Not Detected.					
30	n-Hexane	57	8.149	8.155	(0.821)	64865	0.14934	0.45
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene, Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
* 36	Bromochloromethane	128	9.925	9.925	(1.000)	1210270	2.00000	
39	Chloroform	83	10.011	10.011	(1.009)	30151	0.03630	0.11
40	Cyclohexane	84	10.257	10.252	(0.902)	26037	0.05872	0.18(Q)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	10.471	10.460	(0.921)	32714	0.02733	0.082
43	2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	86429	0.07226	0.22
44	Benzene	78	10.803	10.797	(0.950)	72920	0.07305	0.22
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	11.033	11.033	(0.970)	58354	0.12460	0.37
* 47	1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6048752	2.00000	
49	Trichloroethene	95	11.733	11.734	(1.032)	10877	0.02214	0.066
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
58	Toluene	92	13.536	13.536	(0.873)	388199	0.61409	1.8
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	14.291	14.301	(0.922)	5350	0.00730	0.022(aQ)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.505	15.505	(1.000)	5181883	2.00000	
66	Chlorobenzene	112	Compound Not Detected.					
67	Ethylbenzene	91	15.612	15.612	(1.007)	64625	0.04737	0.14
69	Xylene (m,p)	106	15.762	15.762	(1.017)	81832	0.16514	0.49
M 70	Xylene, Total	106				110762	0.22512	0.67
71	Xylene (o)	106	16.281	16.281	(1.050)	28930	0.05998	0.18(Q)
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	17.313	17.313	(1.117)	15891	0.01527	0.046
81	1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	13238	0.01539	0.046(a)
84	1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	38513	0.04246	0.13(QM)

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:	efvd005.d	Date:	12-JUN-2013 15:03
Client ID:	CS40811-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-5		
Lab Sample ID:	200-16861-5		



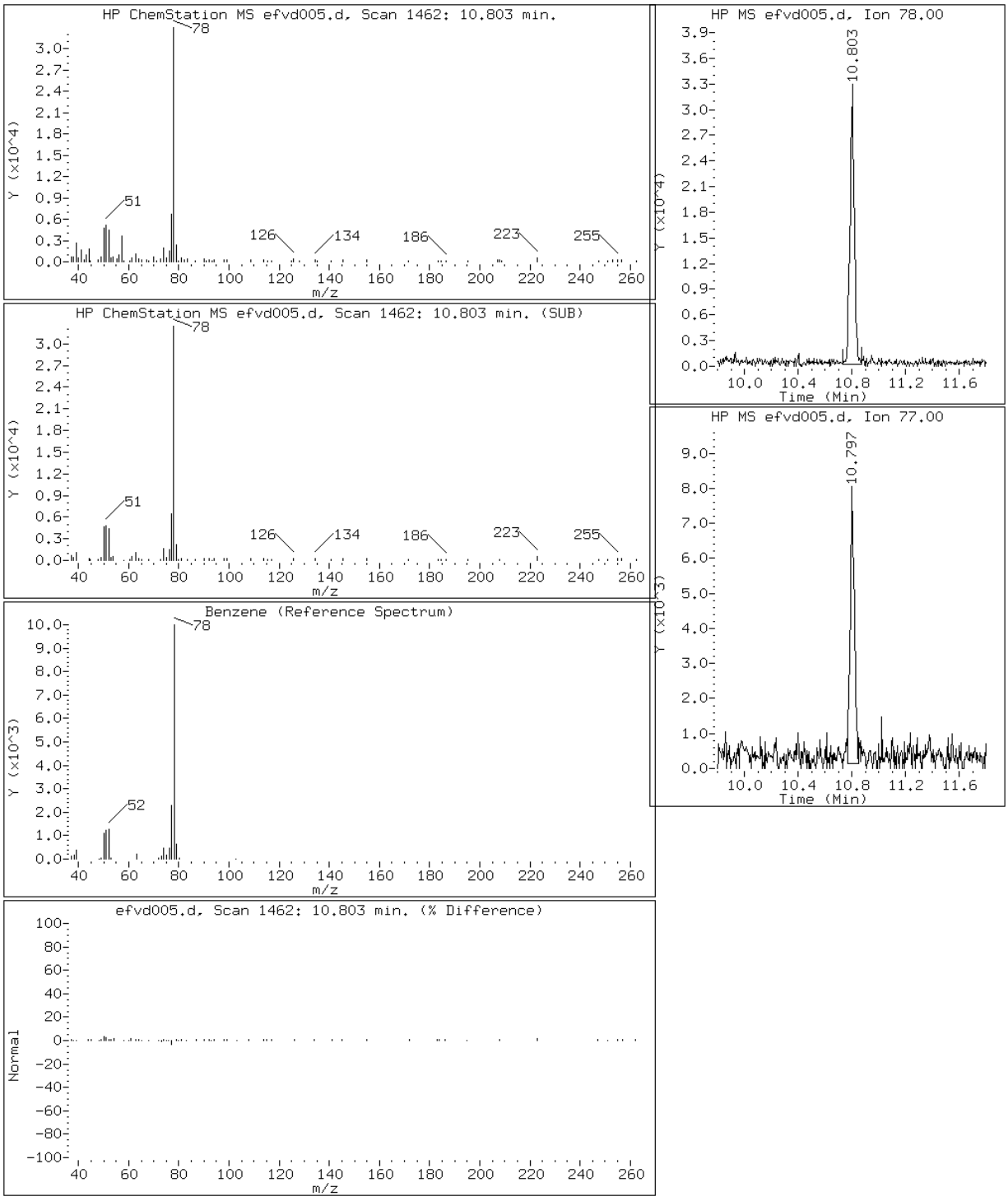
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

44 Benzene



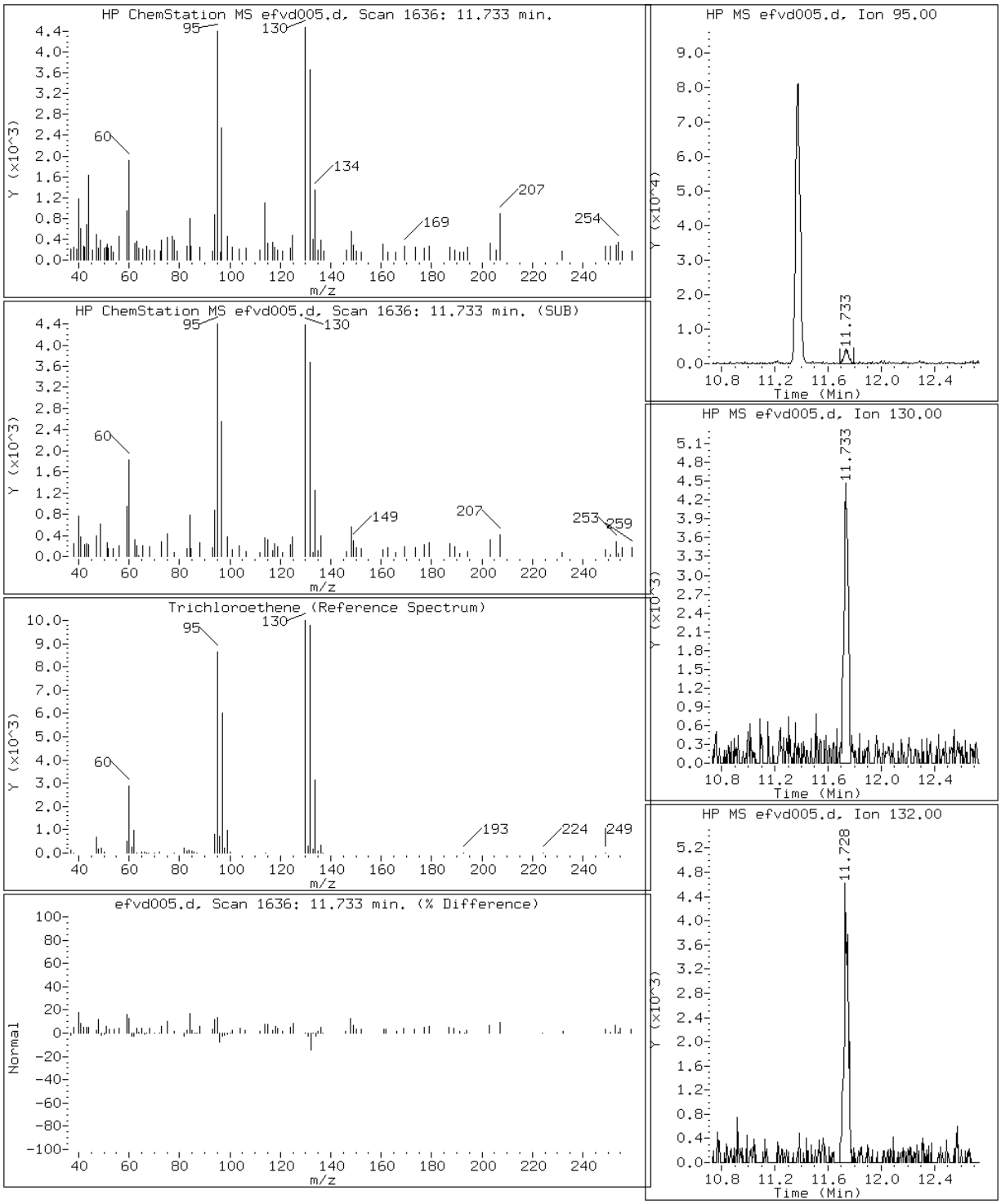
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

49 Trichloroethene



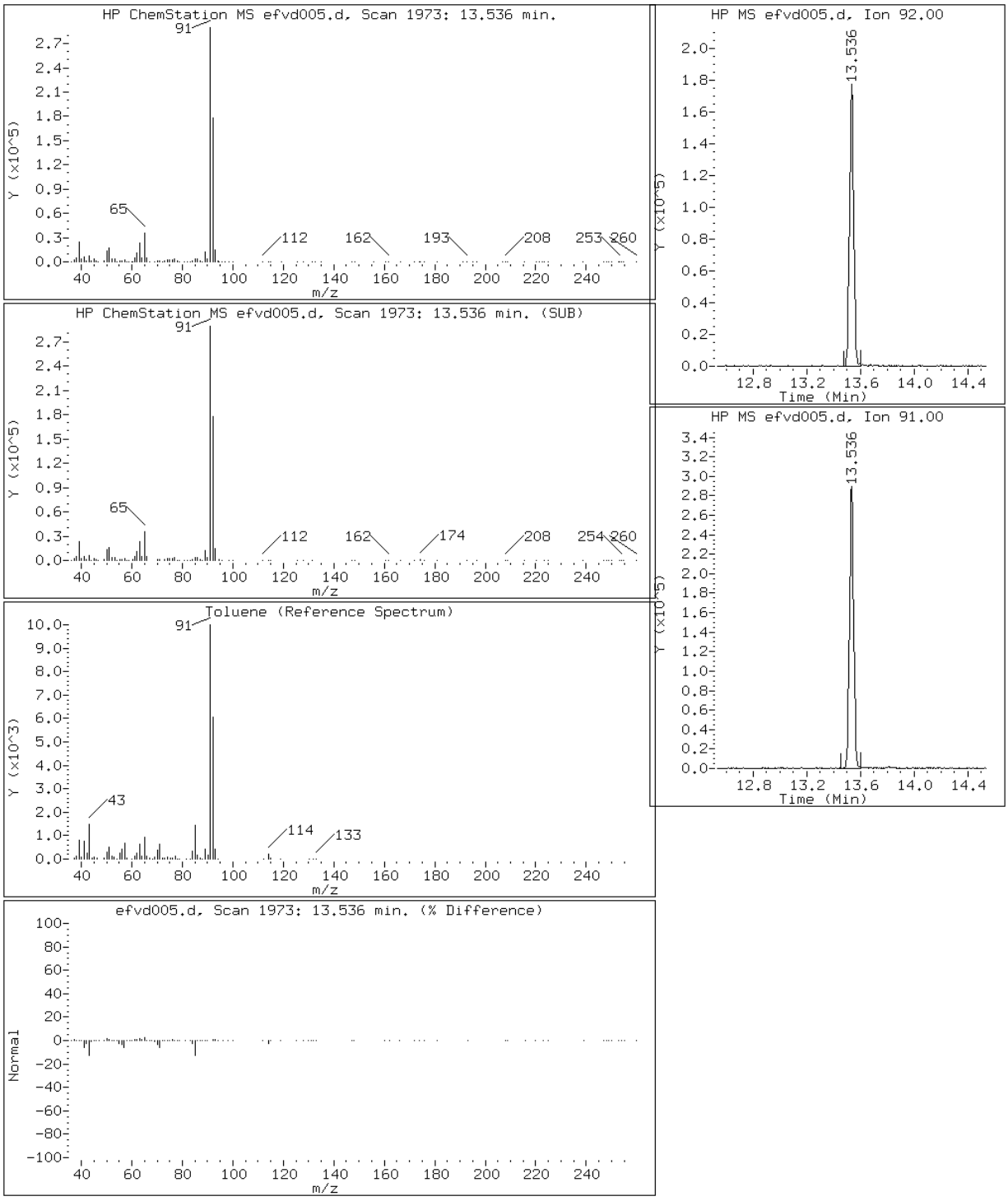
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

58 Toluene



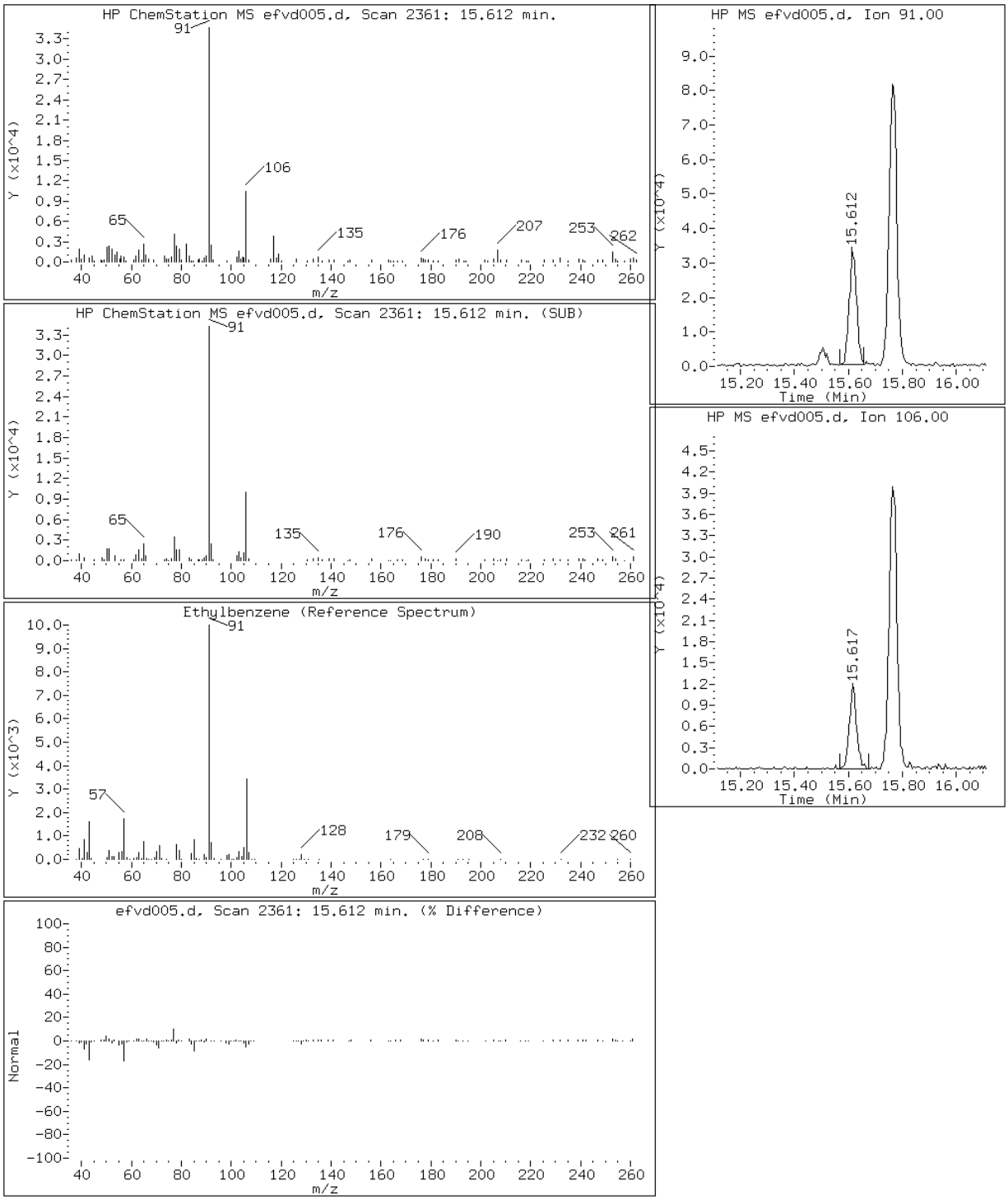
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

67 Ethylbenzene



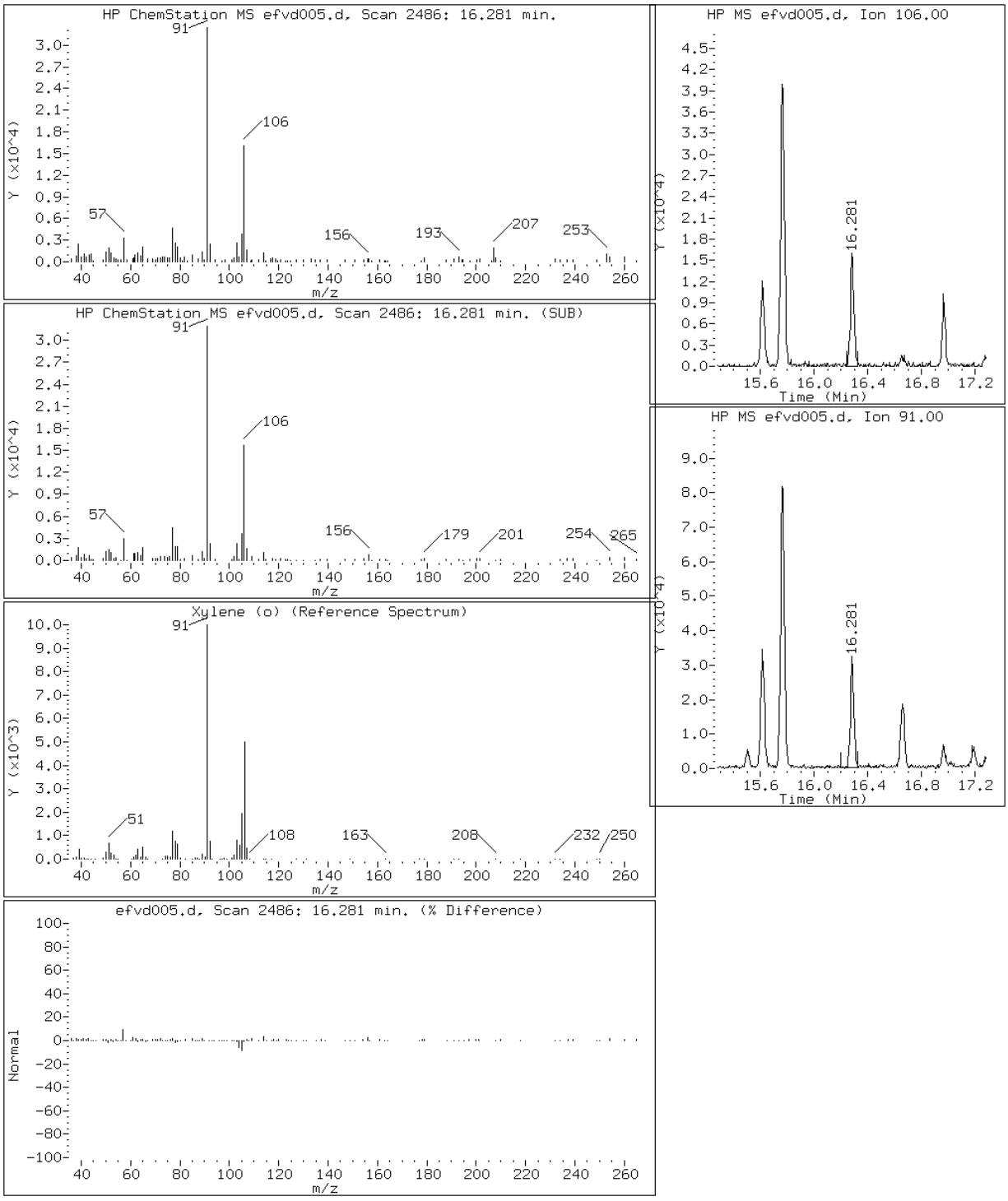
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

71 Xylene (o)



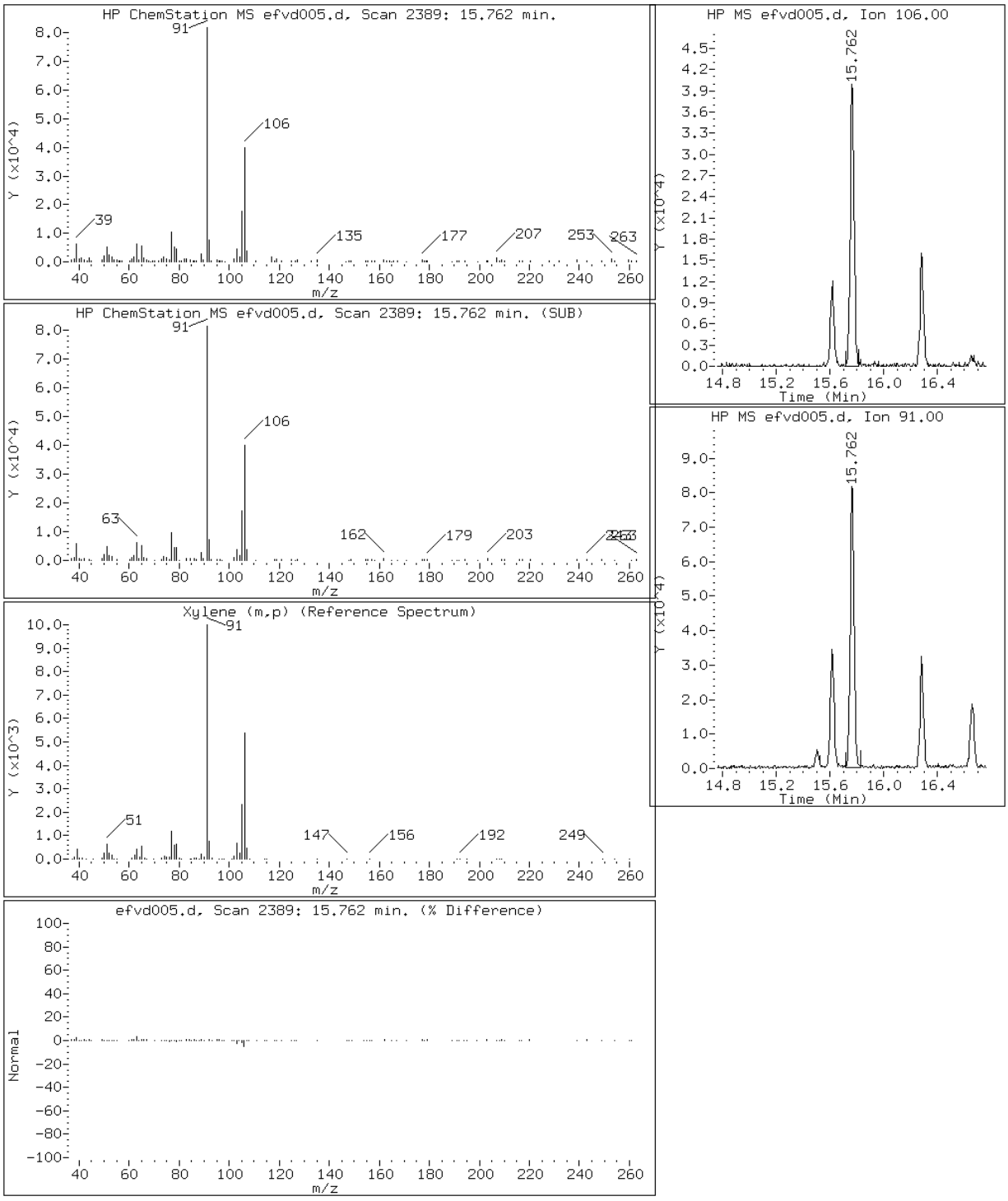
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: DUP-053013 Lab Sample ID: 200-16861-6

Matrix: Air Lab File ID: efvd006.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:58

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.20		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.75		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.13		0.030	0.030
95-47-6	o-Xylene	106.17	0.14		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.39		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.53		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: DUP-053013 Lab Sample ID: 200-16861-6

Matrix: Air Lab File ID: efvd006.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:58

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.62		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	2.8		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.56		0.13	0.13
95-47-6	o-Xylene	106.17	0.62		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.7		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.3		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-6
Client Smp ID: DUP-053013
Inj Date : 12-JUN-2013 15:58
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-6
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 6
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

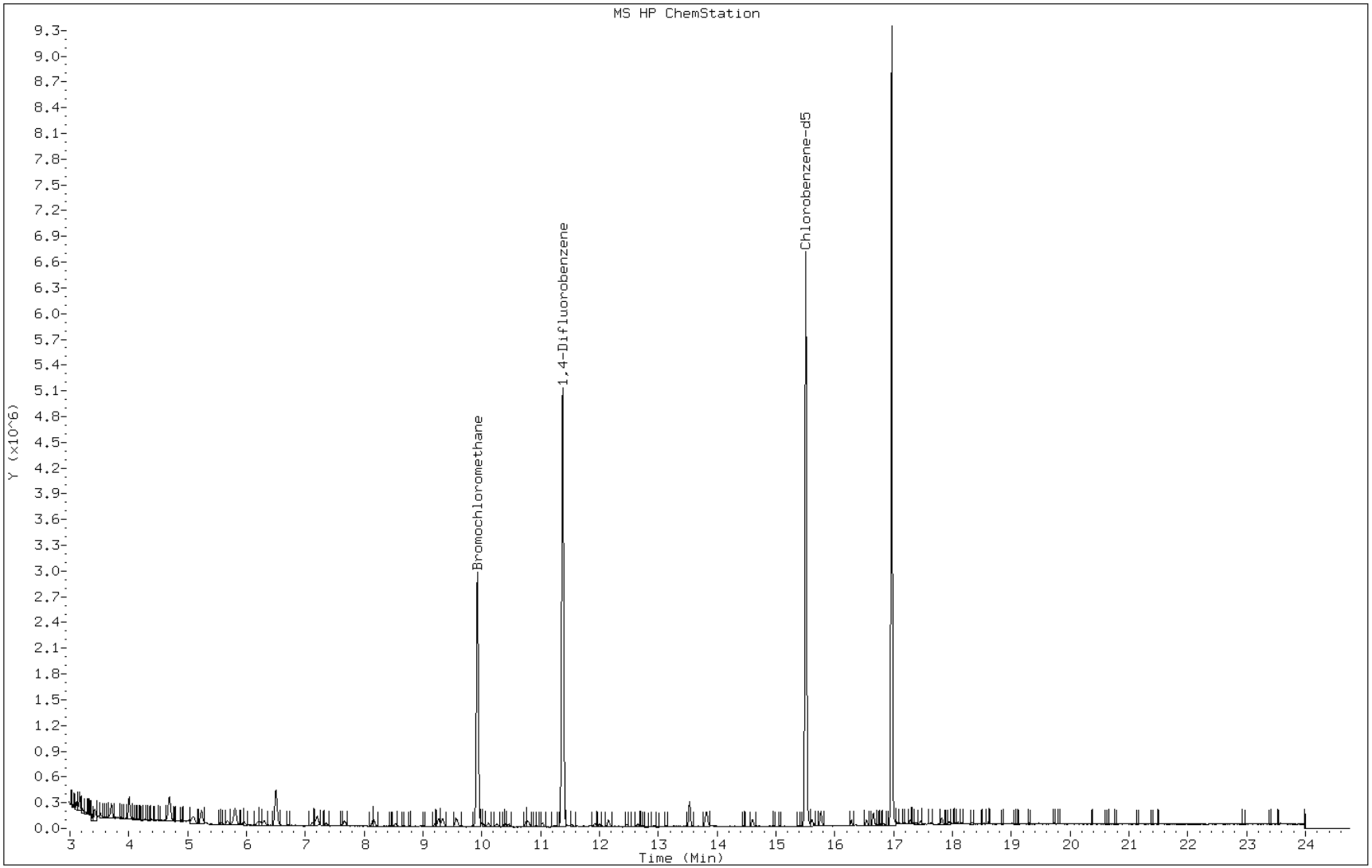
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	177266	0.17480	0.52
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	33397	0.21544	0.64(QM)
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	5.105	5.095	(0.514)	100887	0.08847	0.26
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	19609	0.02728	0.082(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.373	7.368	(0.743)	14123	0.04782	0.14(aQ)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
28	Methyl tert-butyl ether	73	Compound Not Detected.					
30	n-Hexane	57	8.155	8.155	(0.822)	49520	0.12096	0.36
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene, Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
* 36	Bromochloromethane	128	9.925	9.925	(1.000)	1140694	2.00000	
39	Chloroform	83	10.016	10.011	(1.009)	30277	0.03867	0.12
40	Cyclohexane	84	10.262	10.252	(0.902)	10104	0.02527	0.076(Q)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	10.466	10.460	(0.920)	27557	0.02553	0.076
43	2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	78521	0.07280	0.22
44	Benzene	78	10.808	10.797	(0.950)	58893	0.06543	0.20
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	11.033	11.033	(0.970)	21729	0.05146	0.15
* 47	1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5454178	2.00000	
49	Trichloroethene	95	11.739	11.734	(1.032)	2867	0.00647	0.019(aQ)
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
58	Toluene	92	13.536	13.536	(0.873)	146230	0.24998	0.75
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	15.505	15.505	(1.000)	4794975	2.00000	
66	Chlorobenzene	112	Compound Not Detected.					
67	Ethylbenzene	91	15.617	15.612	(1.007)	53988	0.04277	0.13
69	Xylene (m,p)	106	15.762	15.762	(1.017)	59990	0.13083	0.39
M 70	Xylene, Total	106				81385	0.17876	0.53
71	Xylene (o)	106	16.286	16.281	(1.050)	21395	0.04794	0.14
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	17.308	17.313	(1.116)	12798	0.01329	0.040(M)
81	1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	12220	0.01535	0.046(a)
84	1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	40333	0.04805	0.14(QM)

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:	efvd006.d	Date:	12-JUN-2013 15:58
Client ID:	DUP-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-6		
Lab Sample ID:	200-16861-6		



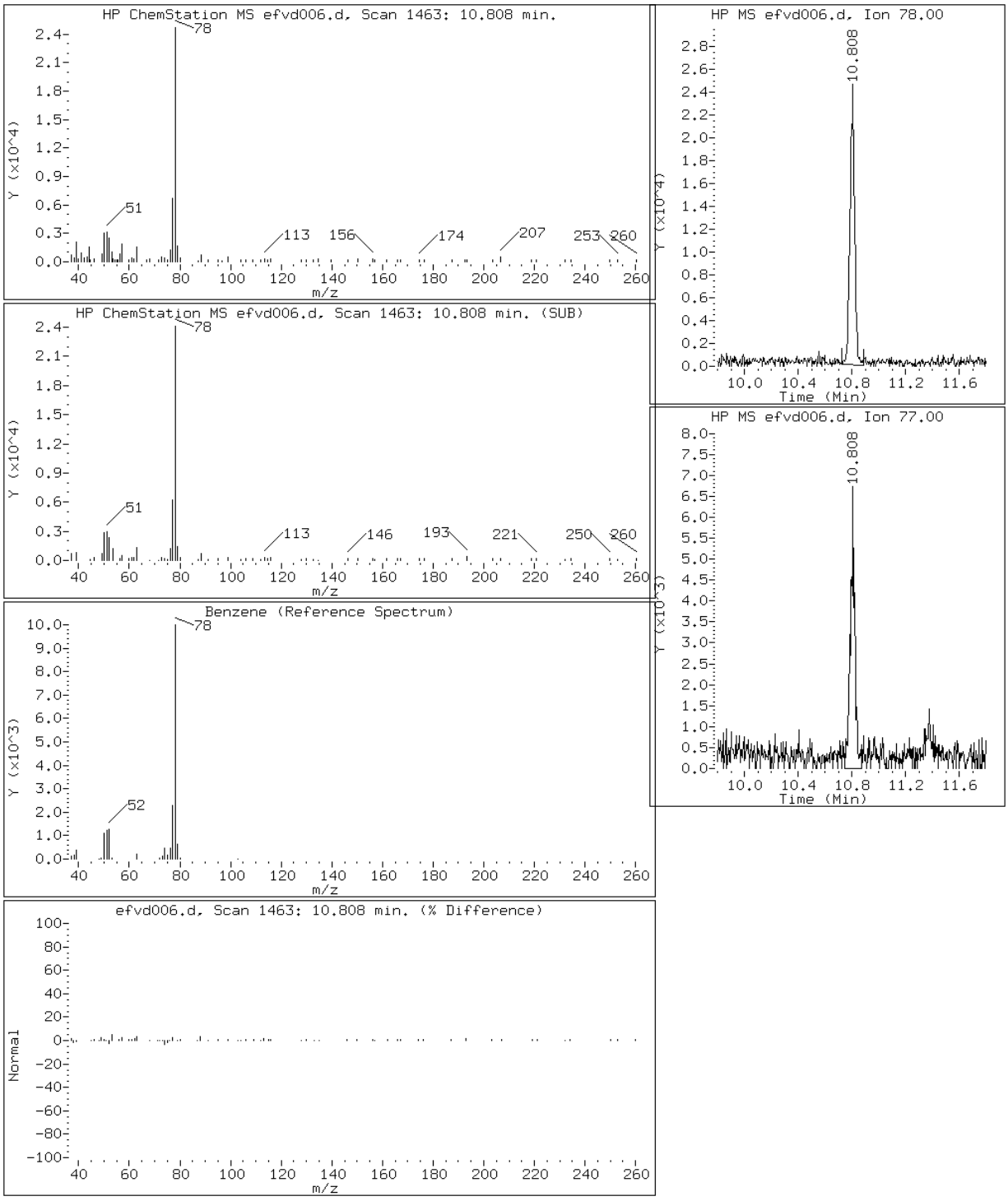
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

44 Benzene



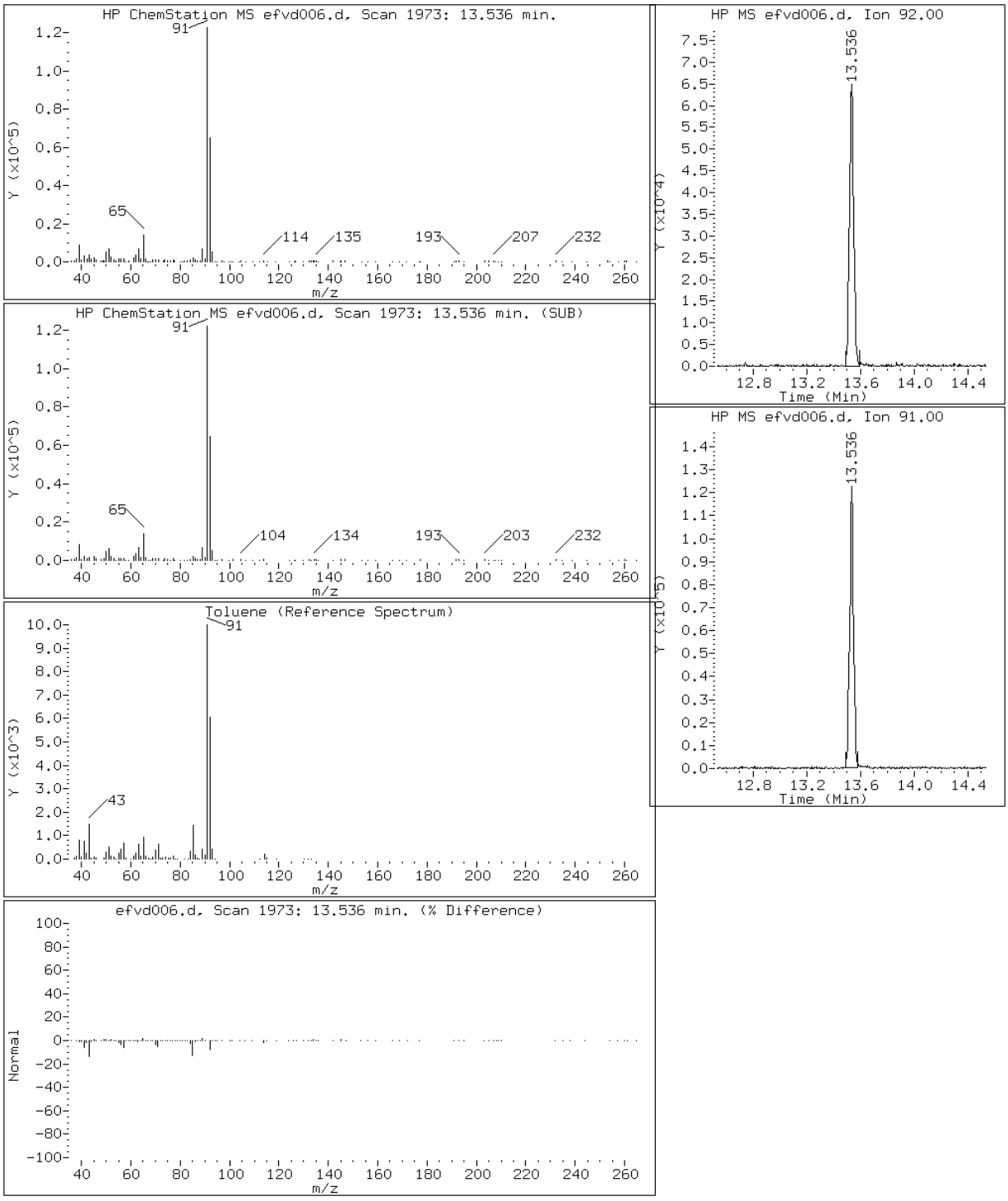
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

58 Toluene



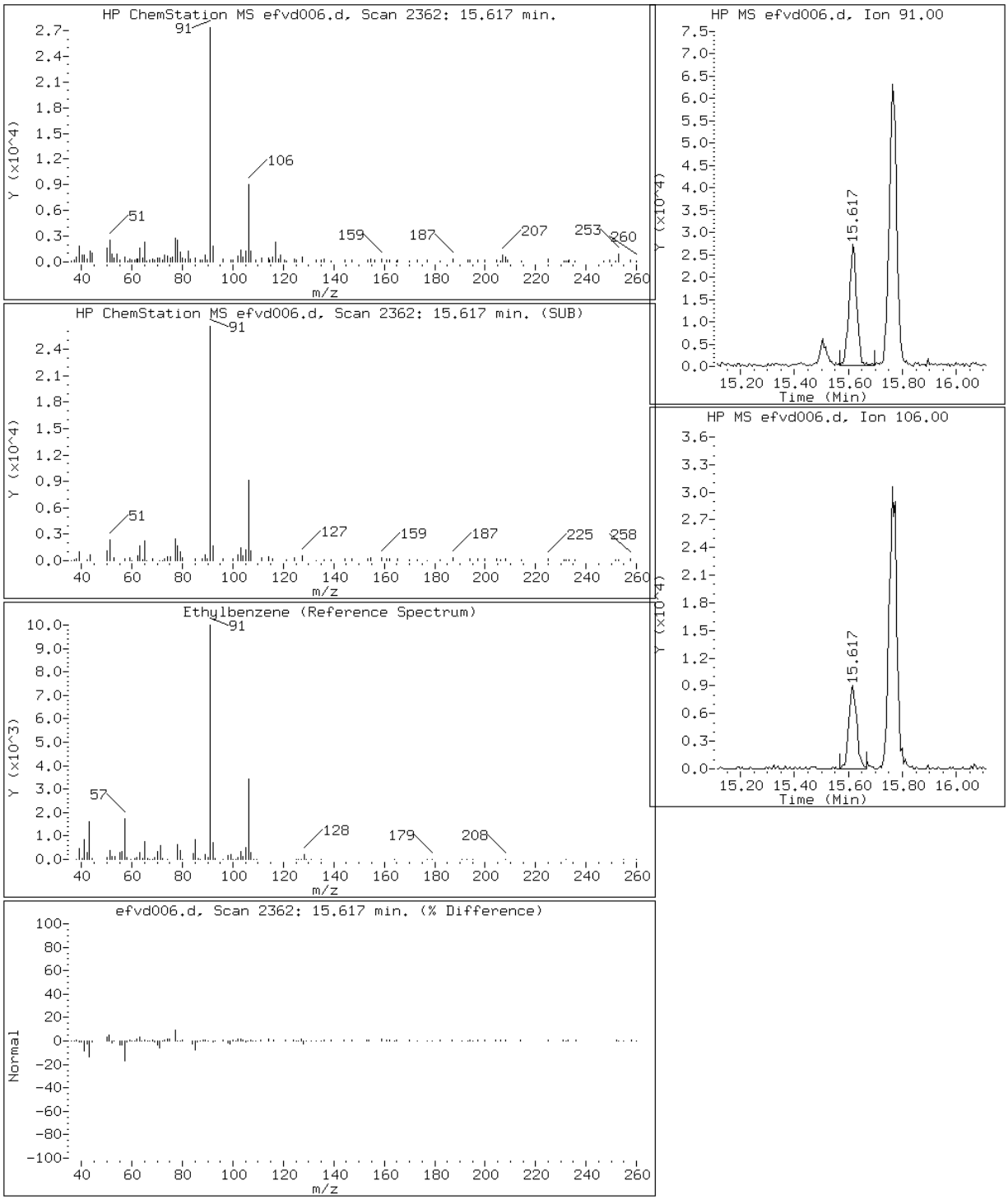
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

67 Ethylbenzene



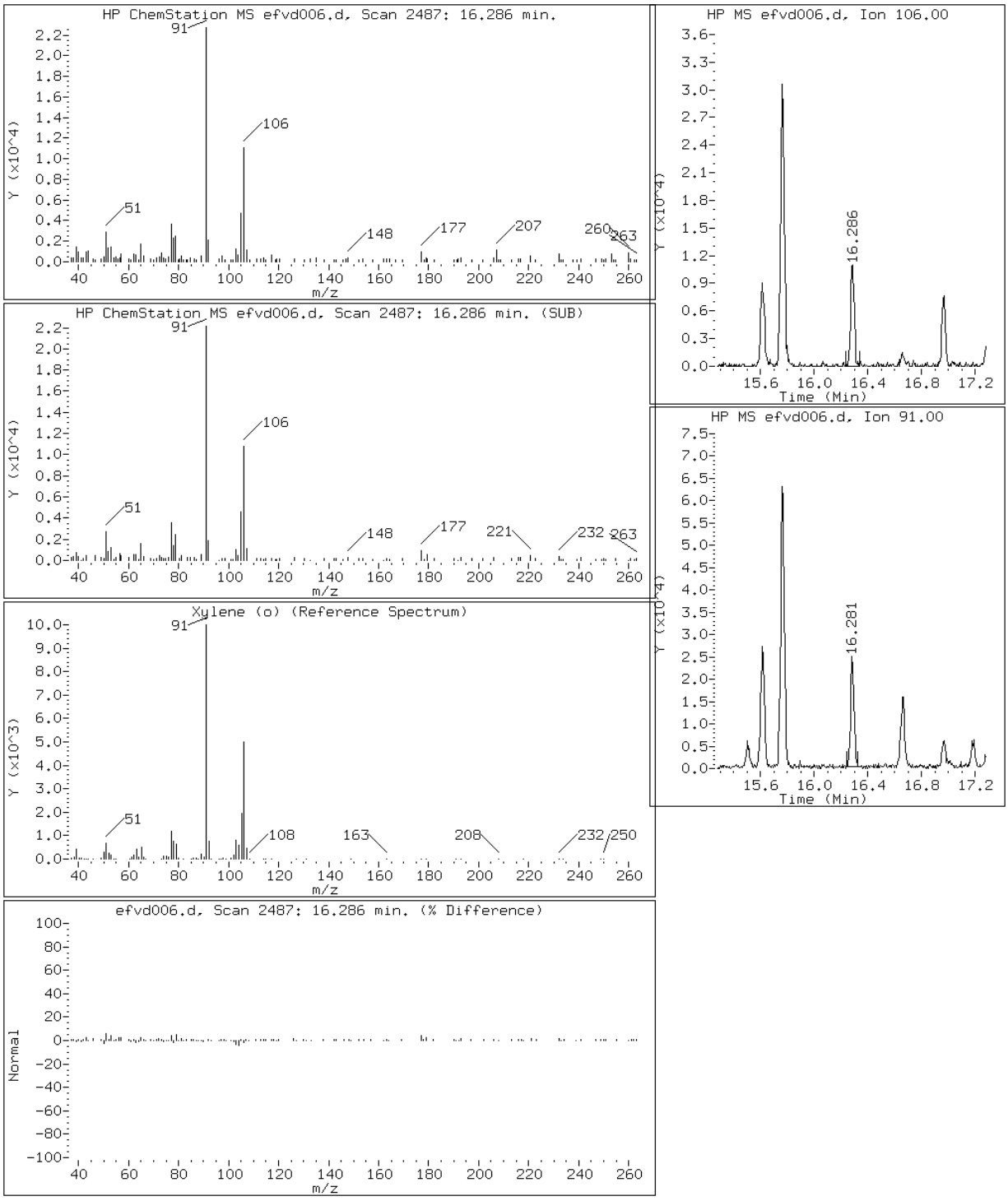
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

71 Xylene (o)



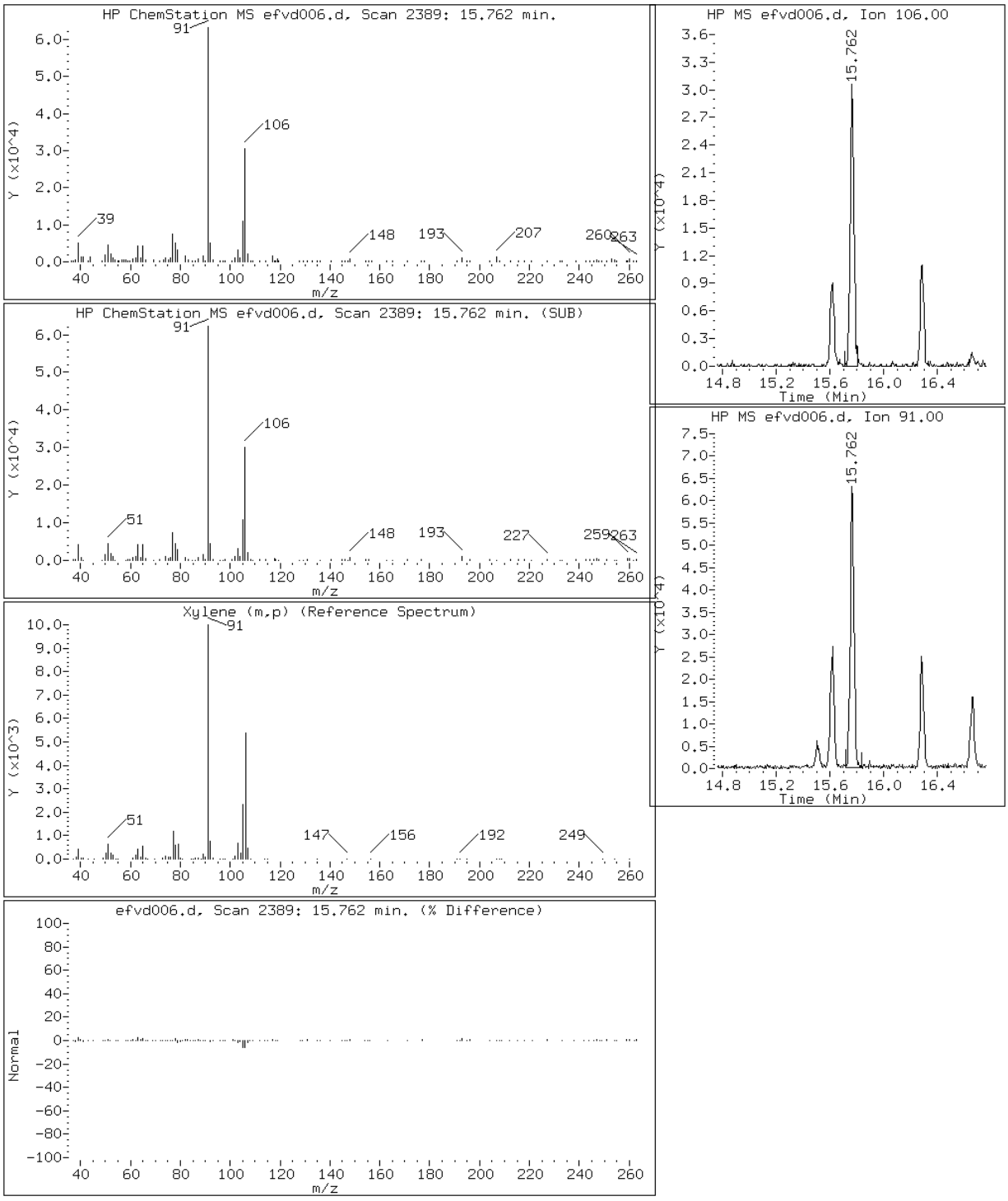
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: BG-053013 Lab Sample ID: 200-16861-7

Matrix: Air Lab File ID: efvd007.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:51

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 16:53

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.031		0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.14		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	1.4		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.14		0.030	0.030
95-47-6	o-Xylene	106.17	0.12		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.36		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.48		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: BG-053013 Lab Sample ID: 200-16861-7

Matrix: Air Lab File ID: efvd007.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:51

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 16:53

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12		0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.44		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	5.4		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.61		0.13	0.13
95-47-6	o-Xylene	106.17	0.51		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.6		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.1		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-7
Client Smp ID: BG-053013
Inj Date : 12-JUN-2013 16:53
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-7
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 7
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

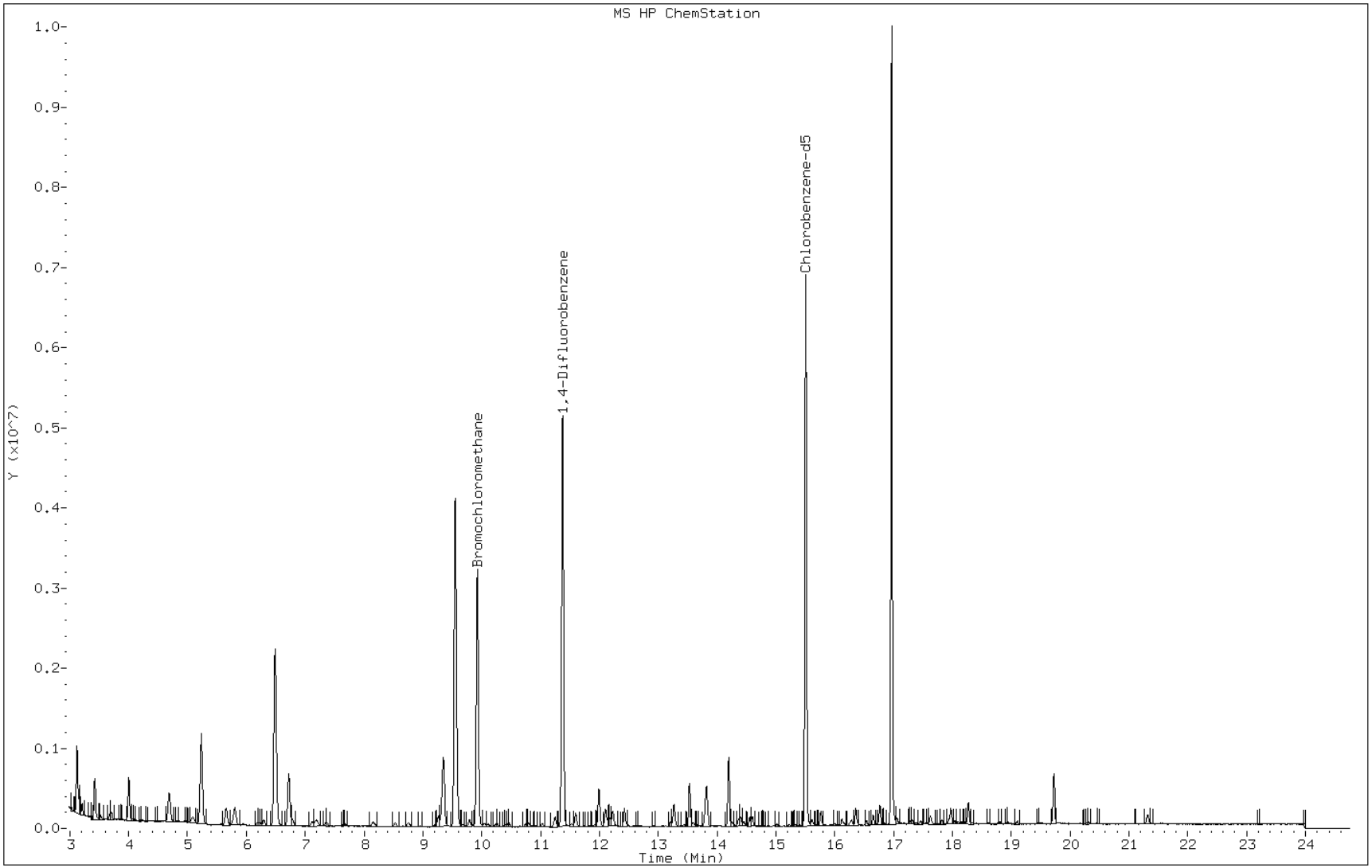
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	181622	0.17030	0.51
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	41177	0.25258	0.76(QM)
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	5.084	5.095	(0.512)	110872	0.09245	0.28
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	21086	0.02789	0.083(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.363	7.368	(0.742)	32452	0.10449	0.31
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	4762	0.01032	0.031
28 Methyl tert-butyl ether	73	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	30 n-Hexane	57	8.155	8.155	(0.822)	34046	0.07908	0.24
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61				6491	0.01549	0.046
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	1729	0.00517	0.015(aQ)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1199601	2.00000	
	39 Chloroform	83	10.006	10.011	(1.008)	5356	0.00651	0.019(a)
	40 Cyclohexane	84	10.252	10.252	(0.901)	29813	0.07440	0.22
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	34361	0.03176	0.095
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	43466	0.04021	0.12
	44 Benzene	78	10.803	10.797	(0.950)	41730	0.04626	0.14
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.027	11.033	(0.969)	21351	0.05045	0.15
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5466005	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	3770	0.00849	0.025(aQ)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.536	13.536	(0.873)	289005	0.47921	1.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	4560	0.00652	0.019(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4943644	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.612	15.612	(1.007)	60774	0.04670	0.14
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	56690	0.11991	0.36
M	70 Xylene, Total	106				74881	0.15945	0.48
	71 Xylene (o)	106	16.286	16.281	(1.050)	18191	0.03953	0.12
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	8522	0.00858	0.026(aQ)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	7981	0.00972	0.029(a)
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	23575	0.02724	0.081(aQM)

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:	efvd007.d	Date:	12-JUN-2013 16:53
Client ID:	BG-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-7		
Lab Sample ID:	200-16861-7		



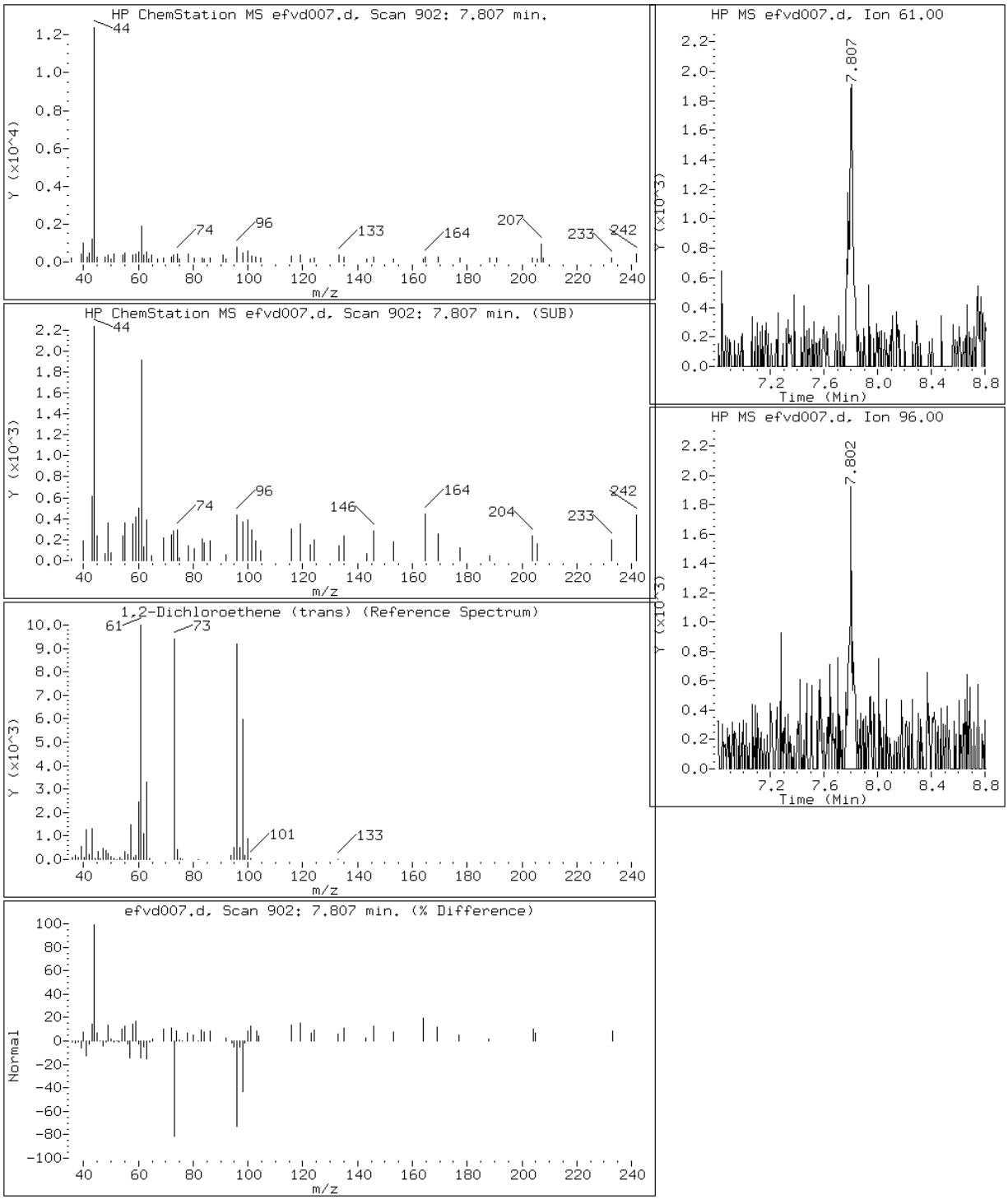
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

27 1,2-Dichloroethene (trans)



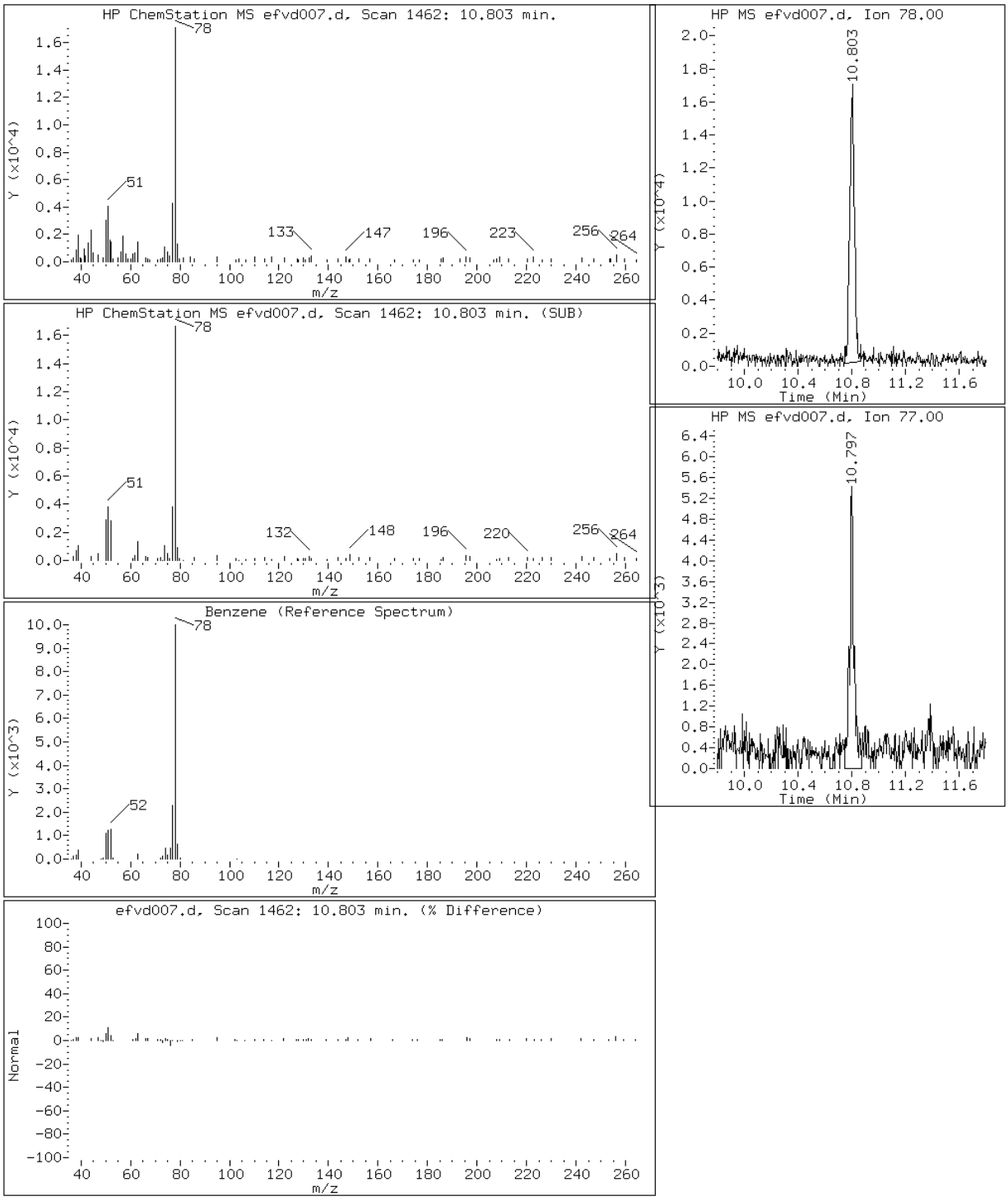
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

44 Benzene



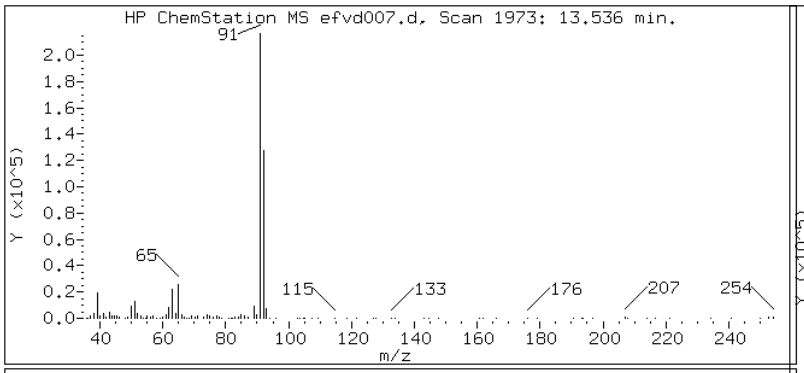
Data File: efvd007.d

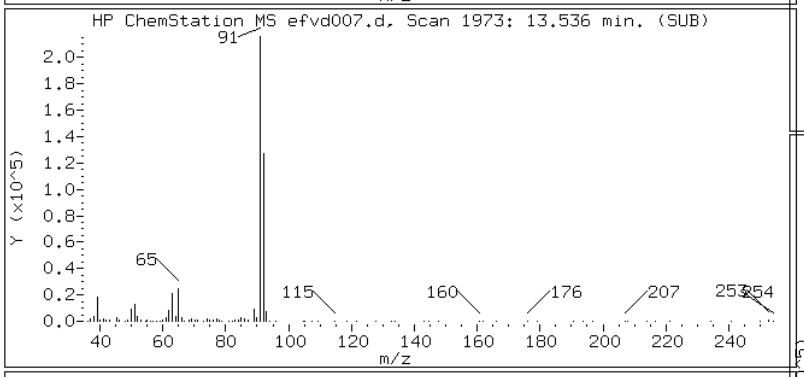
Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

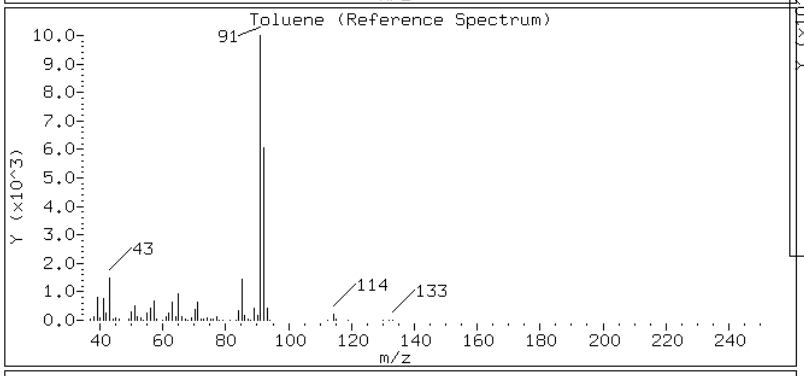
Client ID: BG-053013 Instrument: E.i

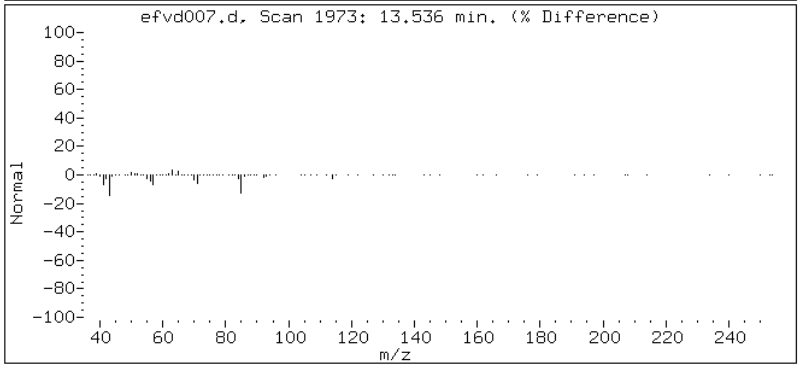
Sample Info: 200-16861-A-7 Operator: wrd

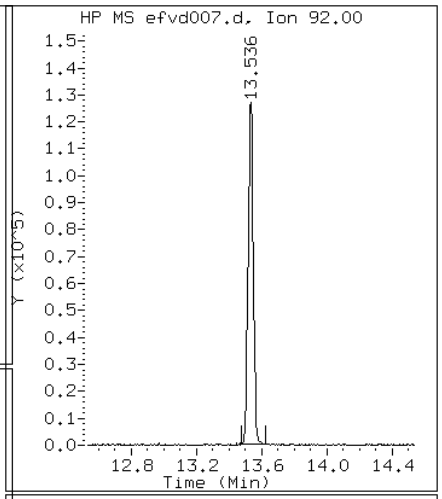
58 Toluene

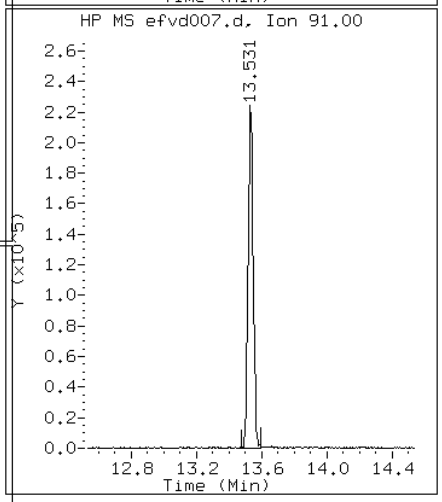












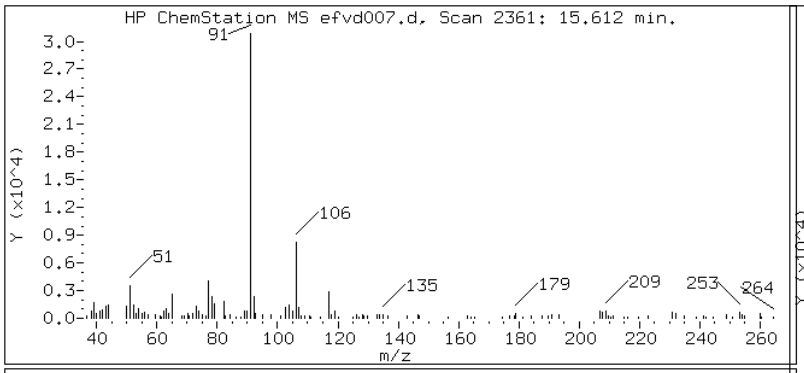
Data File: efvd007.d

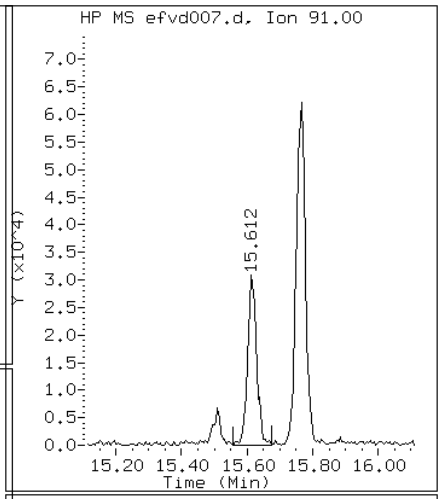
Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

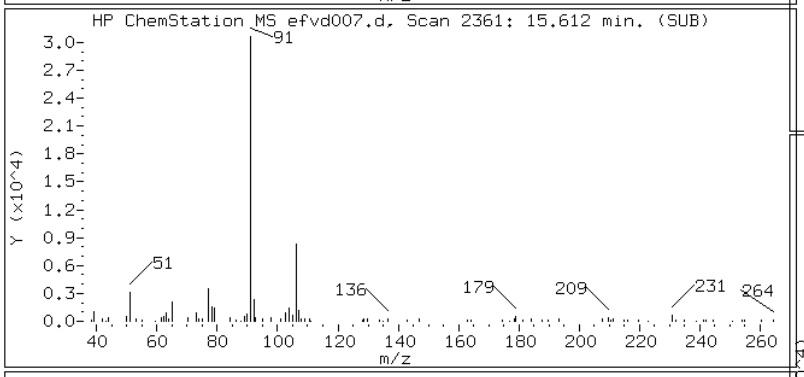
Client ID: BG-053013 Instrument: E.i

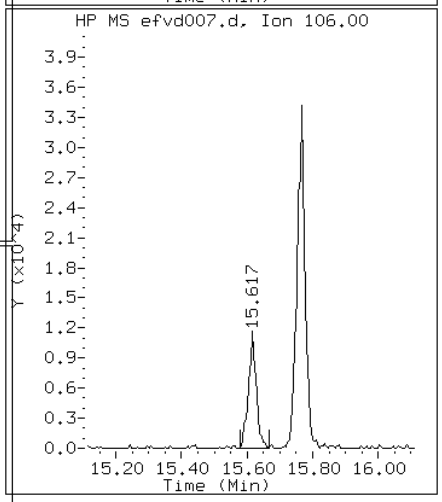
Sample Info: 200-16861-A-7 Operator: wrd

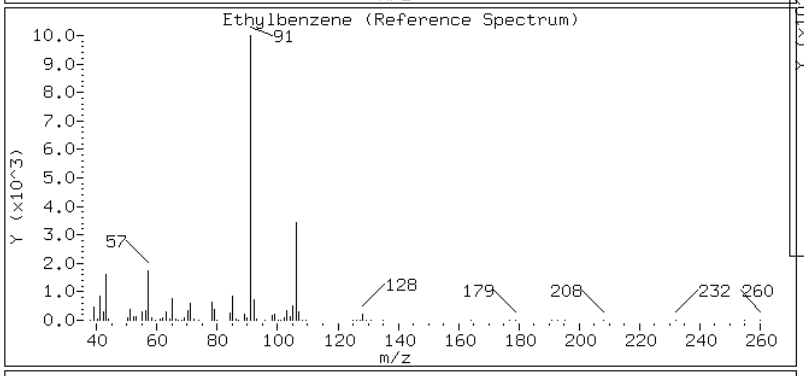
67 Ethylbenzene

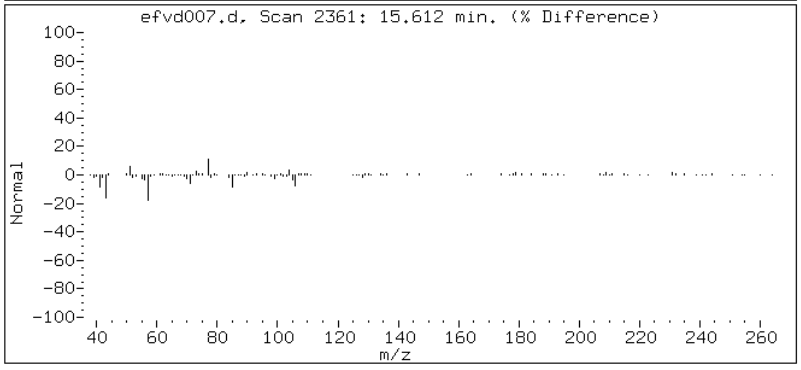












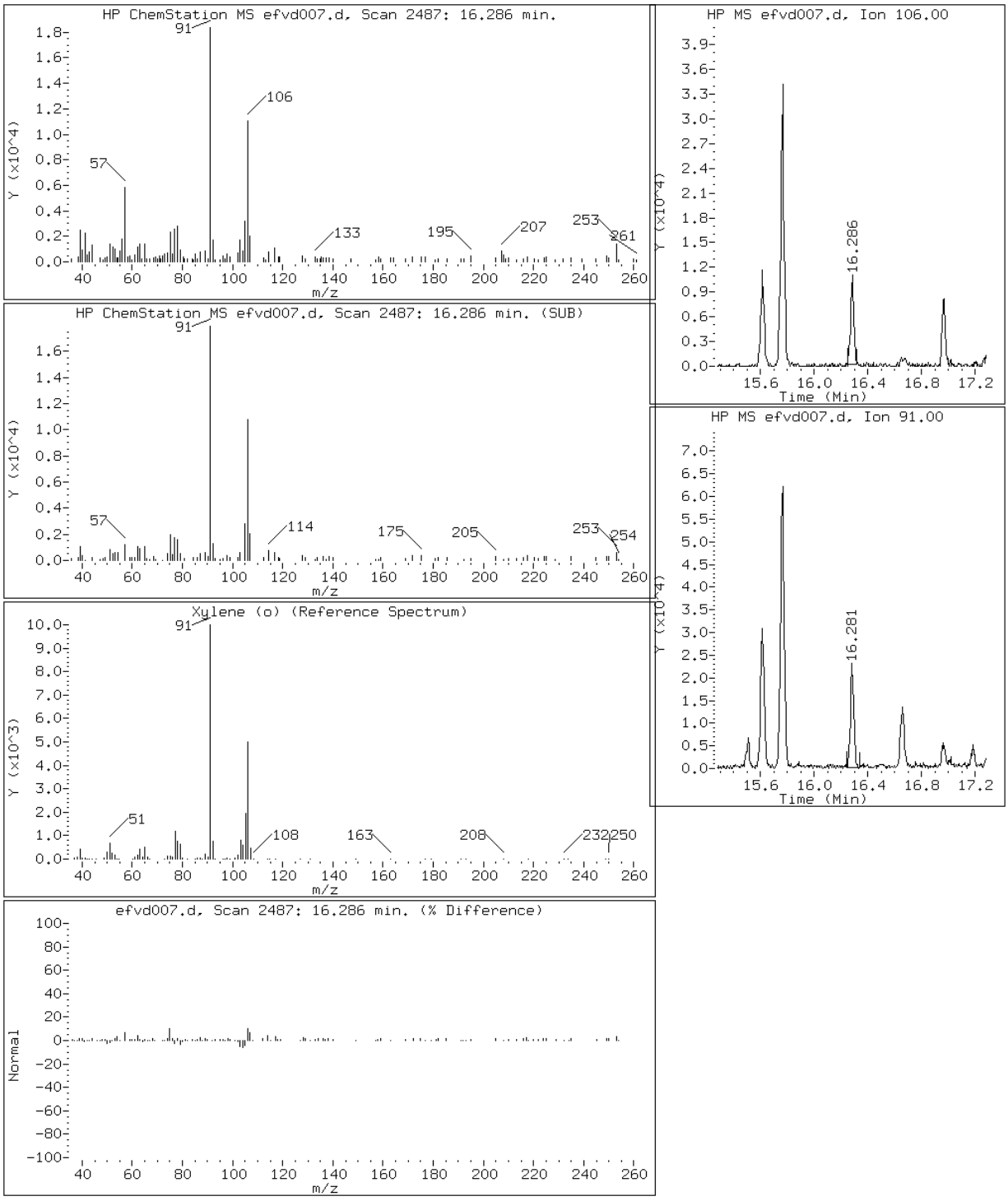
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

71 Xylene (o)



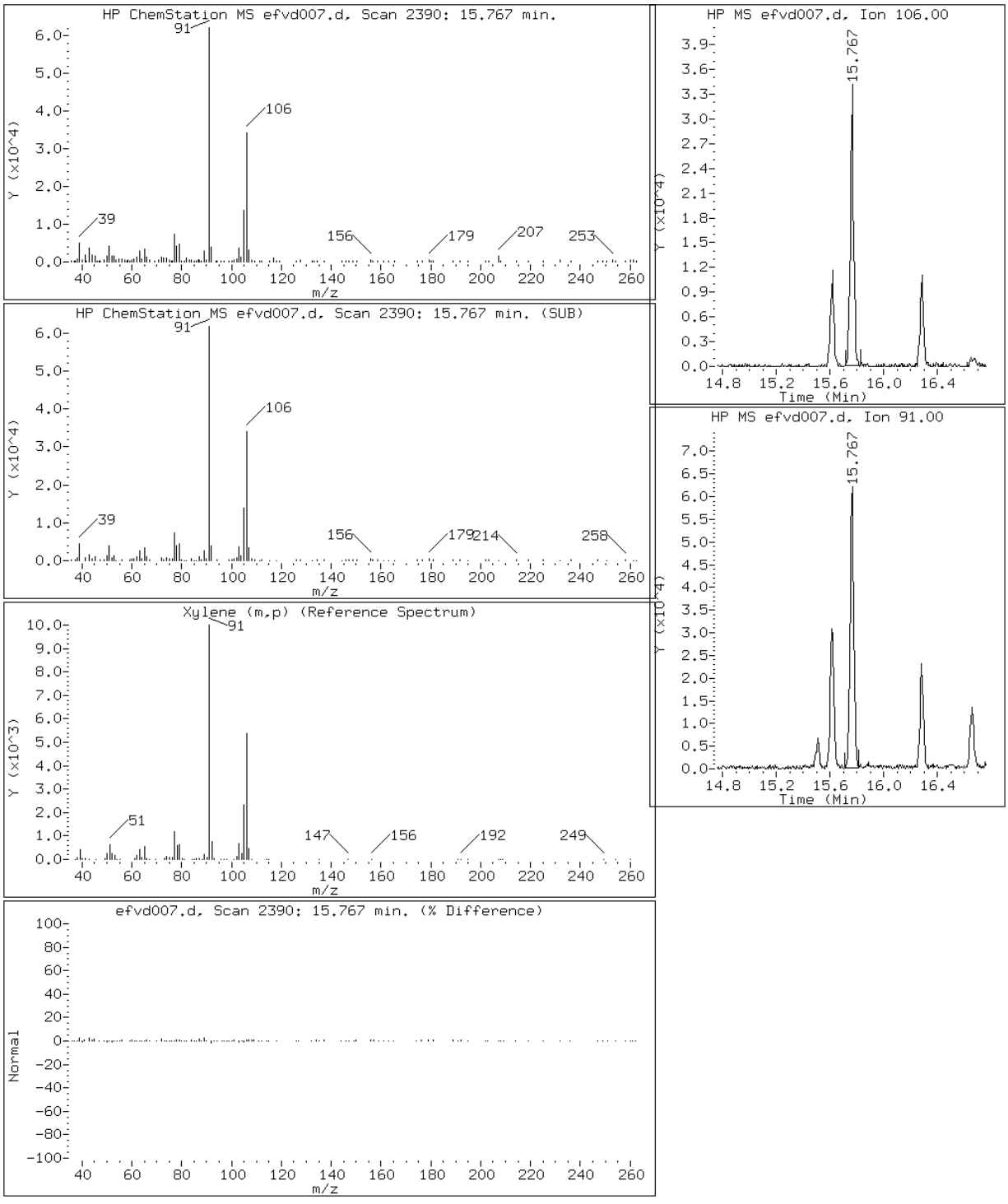
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

69 Xylene (m,p)



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-56556/4	efv004.d
Level 2	IC 200-56556/5	efv005.d
Level 3	IC 200-56556/6	efv006.d
Level 4	IC 200-56556/7	efv007.d
Level 5	ICIS 200-56556/8	efv008.d
Level 6	IC 200-56556/9	efv009.d
Level 7	IC 200-56556/10	efv010.d
Level 8	IC 200-56556/11	efv011.d
Level 9	IC 200-56556/12	efv012.d
Level 10	IC 200-56556/13	efv013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane	2.1354 1.6553	1.8307 +++++	1.7584 1.5344	1.8224 +++++	1.7098 +++++	Ave		1.7781				10.6		30.0			
1,2-Dichlorotetrafluoroethane	1.7129 1.4346	1.4532 +++++	1.4200 1.3821	1.6206 +++++	1.5103 +++++	Ave		1.5048				8.0		30.0			
Vinyl chloride	+++++ 0.3492	0.3824 +++++	0.3704 0.3423	0.4059 +++++	0.3518 +++++	Ave		0.3670				6.6		30.0			
1,3-Butadiene	+++++ 0.2198	0.3160 +++++	0.2433 0.2086	0.2635 +++++	0.2295 +++++	Ave		0.2468				15.8		30.0			
Bromomethane	+++++ 0.4979	0.6335 +++++	0.5270 0.4625	0.5703 +++++	0.5064 +++++	Ave		0.5329				11.4		30.0			
Chloroethane	+++++ 0.1733	0.2552 +++++	0.2189 0.1632	0.2190 +++++	0.1920 +++++	Ave		0.2036				16.8		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.5739	0.7319 +++++	0.6615 0.5206	0.6656 +++++	0.5734 +++++	Ave		0.6211				12.6		30.0			
Trichlorofluoromethane	2.0379 1.9896	1.9264 +++++	1.9153 1.8739	2.2255 +++++	2.0271 +++++	Ave		1.9994				5.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.2420	+++++ +++++	1.1775 1.2223	1.3581 +++++	1.3028 +++++	Ave		1.2605				5.6		30.0			
1,1-Dichloroethene	0.6348 0.5028	0.6252 +++++	0.5196 0.5153	0.5505 +++++	0.5458 +++++	Ave		0.5563				9.6		30.0			
3-Chloropropene	+++++ 0.4652	0.5770 +++++	0.4796 0.4107	0.5174 +++++	0.4891 +++++	Ave		0.4898				11.3		30.0			
Methylene Chloride	+++++ 0.5455	+++++ 0.4538	+++++ 0.4627	0.7094 0.4227	0.6126 0.4178	Ave		0.5178				21.3		30.0			
Methyl tert-butyl ether	1.6324 1.3472	1.2757 +++++	1.1811 1.1508	1.2796 +++++	1.3392 +++++	Ave		1.3151				12.0		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
trans-1,2-Dichloroethene	0.8447 0.7301	0.8153 +++++	0.7152 0.6960	0.8232 +++++	0.7608 +++++	Ave		0.7693				7.6		30.0			
n-Hexane	+++++ 0.6595	0.8696 +++++	0.7545 0.6422	0.7202 +++++	0.6606 +++++	Ave		0.7178				12.0		30.0			
1,1-Dichloroethane	1.0162 0.9499	0.9207 +++++	0.8702 0.8395	1.0313 +++++	0.9952 +++++	Ave		0.9462				7.8		30.0			
cis-1,2-Dichloroethene	0.6144 0.5472	0.5747 +++++	0.5415 0.5109	0.5590 +++++	0.5532 +++++	Ave		0.5573				5.7		30.0			
Chloroform	1.6236 1.3521	1.3221 +++++	1.2775 1.1900	1.4289 +++++	1.4143 +++++	Ave		1.3727				10.0		30.0			
Cyclohexane	0.1504 0.1404	0.1564 +++++	0.1391 0.1427	0.1560 +++++	0.1413 +++++	Ave		0.1466				5.1		30.0			
1,1,1-Trichloroethane	0.3637 0.3366	0.3507 +++++	0.3210 0.3107	0.3847 +++++	0.3530 +++++	Ave		0.3458				7.3		30.0			
Carbon tetrachloride	0.4109 0.3824	0.4159 +++++	0.3644 0.3749	0.4158 +++++	0.4064 +++++	Ave		0.3958				5.4		30.0			
2,2,4-Trimethylpentane	0.3993 0.4109	0.3647 +++++	0.3611 0.3814	0.4423 +++++	0.4088 +++++	Ave		0.3955				7.3		30.0			
Benzene	0.4196 0.3065	0.3629 +++++	0.3087 0.2729	0.3338 +++++	0.3060 +++++	Ave		0.3301				14.6		30.0			
1,2-Dichloroethane	+++++ 0.1756	0.1601 +++++	0.1545 0.1479	0.1923 +++++	0.1795 +++++	Ave		0.1683				10.0		30.0			
n-Heptane	0.1823 0.1561	0.1765 +++++	0.1500 0.1257	0.1480 +++++	0.1454 +++++	Ave		0.1549				12.4		30.0			
Trichloroethene	0.1953 0.1574	0.1622 +++++	0.1569 0.1413	0.1701 +++++	0.1538 +++++	Ave		0.1624				10.4		30.0			
1,2-Dichloropropane	+++++ 0.1032	0.1026 +++++	0.0984 0.0868	0.1097 +++++	0.1087 +++++	Ave		0.1015				8.2		30.0			
Bromodichloromethane	0.3193 0.2842	0.2699 +++++	0.2545 0.2517	0.2915 +++++	0.2833 +++++	Ave		0.2792				8.3		30.0			
cis-1,3-Dichloropropene	0.1637 0.1534	0.1325 +++++	0.1212 0.1338	0.1492 +++++	0.1507 +++++	Ave		0.1435				10.3		30.0			
Toluene	0.2716 0.2497	0.2398 +++++	0.2316 0.2118	0.2538 +++++	0.2496 +++++	Ave		0.2440				7.7		30.0			
trans-1,3-Dichloropropene	0.1591 0.1600	0.1187 +++++	0.1263 0.1401	0.1537 +++++	0.1501 +++++	Ave		0.1440				11.3		30.0			
1,1,2-Trichloroethane	0.1531 0.1206	0.1196 +++++	0.1179 0.1041	0.1430 +++++	0.1209 +++++	Ave		0.1256				13.2		30.0			
Tetrachloroethene	0.3276 0.2743	0.2799 +++++	0.2574 0.2630	0.2919 +++++	0.2870 +++++	Ave		0.2830				8.2		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibromochloromethane	0.3531 0.3184	0.2776 +++++	0.2946 0.2947	0.3137 +++++	0.3138 +++++	Ave		0.3094				7.8		30.0			
1,2-Dibromoethane	0.2314 0.2222	0.1989 +++++	0.2016 0.2030	0.2204 +++++	0.2216 +++++	Ave		0.2142				5.9		30.0			
Ethylbenzene	0.5563 0.5607	0.4770 +++++	0.4944 0.4793	0.5694 +++++	0.5486 +++++	Ave		0.5265				7.8		30.0			
m-Xylene & p-Xylene	0.1947 0.2184	0.1630 +++++	0.1733 0.1888	0.1975 +++++	0.2031 +++++	Ave		0.1913				9.7		30.0			
o-Xylene	0.2048 0.2063	0.1700 +++++	0.1500 0.1859	0.1881 +++++	0.1981 +++++	Ave		0.1862				10.9		30.0			
Bromoform	0.3015 0.3252	0.2457 +++++	0.2474 0.3053	0.2894 +++++	0.3017 +++++	Ave		0.2880				10.5		30.0			
1,1,2,2-Tetrachloroethane	0.2186 0.2215	0.1603 +++++	0.1609 0.2120	0.1812 +++++	0.2158 +++++	Ave		0.1958				14.0		30.0			
4-Ethyltoluene	0.3670 0.5181	0.3517 +++++	0.3559 +++++	0.3566 +++++	0.4613 +++++	Ave		0.4018				17.6		30.0			
1,3,5-Trimethylbenzene	+++++ 0.4199	0.2697 +++++	0.2816 +++++	0.3128 +++++	0.3761 +++++	Ave		0.3320				19.3		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-56556/4	efv004.d
Level 2	IC 200-56556/5	efv005.d
Level 3	IC 200-56556/6	efv006.d
Level 4	IC 200-56556/7	efv007.d
Level 5	ICIS 200-56556/8	efv008.d
Level 6	IC 200-56556/9	efv009.d
Level 7	IC 200-56556/10	efv010.d
Level 8	IC 200-56556/11	efv011.d
Level 9	IC 200-56556/12	efv012.d
Level 10	IC 200-56556/13	efv013.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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave	13606 511068	24279 +++++	44743 1050459	104846 +++++	210069 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichlorotetrafluoroethane	BCM	Ave	10914 442933	19272 +++++	36132 946149	93237 +++++	185548 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Vinyl chloride	BCM	Ave	+++++ 107828	5072 +++++	9426 234302	23350 +++++	43222 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	+++++ 67850	4191 +++++	6191 142807	15160 +++++	28195 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave	+++++ 153736	8402 +++++	13409 316644	32813 +++++	62214 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroethane	BCM	Ave	+++++ 53499	3384 +++++	5571 111692	12602 +++++	23592 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 177198	9706 +++++	16831 356408	38291 +++++	70441 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	12985 614315	25548 +++++	48736 1282830	128040 +++++	249052 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	+++++ 383470	+++++ +++++	29961 836754	78133 +++++	160060 +++++	+++++ 0.500	+++++ +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethene	BCM	Ave	4045 155227	8292 +++++	13221 352755	31671 +++++	67060 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	+++++ 143634	7652 +++++	12203 281189	29766 +++++	60089 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	+++++ 168425	+++++ 221191	+++++ 316737	40812 452079	75267 601453	+++++ 0.500	+++++ 0.750	+++++ 1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	10401 415958	16918 +++++	30054 787815	73615 +++++	164529 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,2-Dichloroethene	BCM	Ave	5382 225430	10813 +++++	18199 476484	47363 +++++	93471 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
n-Hexane	BCM	Ave	+++++ 203609	11533 +++++	19199 439613	41436 +++++	81163 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethane	BCM	Ave	6475 293299	12210 +++++	22143 574716	59335 +++++	122266 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	3915 168962	7622 +++++	13778 349746	32161 +++++	67965 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave	10345 417481	17534 +++++	32507 814662	82205 +++++	173759 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Cyclohexane	DFB	Ave	4575 215684	9938 +++++	17038 484105	43343 +++++	84106 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave	11068 517009	22280 +++++	39317 1053984	106899 +++++	210111 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Carbon tetrachloride	DFB	Ave	12503 587423	26424 +++++	44636 1271748	115554 +++++	241852 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
2,2,4-Trimethylpentane	DFB	Ave	12149 631114	23171 +++++	44235 1293860	122910 +++++	243304 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	12767 470759	23055 +++++	37814 925807	92753 +++++	182141 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	+++++ 269730	10168 +++++	18922 501777	53437 +++++	106844 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
n-Heptane	DFB	Ave	5546 239747	11211 +++++	18381 426467	41118 +++++	86535 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	5944 241749	10302 +++++	19217 479172	47272 +++++	91519 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave	+++++ 158513	6516 +++++	12048 294402	30478 +++++	64665 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromodichloromethane	DFB	Ave	9716 436607	17149 +++++	31172 853782	81002 +++++	168622 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,3-Dichloropropene	DFB	Ave	4981 235698	8416 +++++	14843 453707	41455 +++++	89706 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Toluene	CBZ	Ave	7284 352398	13169 +++++	24571 665739	61996 +++++	135205 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	4840 245743	7543 +++++	15475 475095	42717 +++++	89320 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave	4105 170205	6567 +++++	12506 327325	34937 +++++	65475 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Tetrachloroethene	CBZ	Ave	8786 387060	15371 +++++	27306 826667	71302 +++++	155443 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Dibromochloromethane	CBZ	Ave	9471 449313	15246 +++++	31262 926369	76623 +++++	169964 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	6207 313539	10922 +++++	21391 638007	53840 +++++	120014 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Ethylbenzene	CBZ	Ave	14921 791112	26197 +++++	52451 1506425	139099 +++++	297130 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
m-Xylene & p-Xylene	CBZ	Ave	10443 616455	17909 +++++	36774 1186848	96483 +++++	219971 +++++	0.0200 1.00	0.0400 +++++	0.0800 2.00	0.200 +++++	0.400 +++++
o-Xylene	CBZ	Ave	5492 291100	9336 +++++	15911 584337	45960 +++++	107287 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoform	CBZ	Ave	8086 458901	13495 +++++	26249 959494	70696 +++++	163433 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	5863 312547	8806 +++++	17068 666517	44274 +++++	116901 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
4-Ethyltoluene	CBZ	Ave	9843 731034	19314 +++++	37765 +++++	87111 +++++	249870 +++++	0.0100 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 592477	14815 +++++	29878 +++++	76398 +++++	203713 +++++	+++++ 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv004.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 11:51
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:18 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 11:51 Cal File: efv004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	13606	0.01000	0.011
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	10914	0.01000	0.011
7 Vinyl chloride	62	3.746	3.746	(0.377)	3643	0.01000	0.016(a)
8 1,3-Butadiene	54	3.816	3.805	(0.384)	1602	0.01000	0.011(a)
9 Bromomethane	94	4.404	4.415	(0.444)	4681	0.01000	0.014(aQM)
10 Chloroethane	64	4.613	4.618	(0.465)	2301	0.01000	0.019(a)
12 Vinyl bromide	106	4.993	4.993	(0.503)	6544	0.01000	0.018(a)
13 Trichlorofluoromethane	101	5.084	5.095	(0.512)	12985	0.01000	0.010
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.223	(0.625)	9746	0.01000	0.012(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	4045	0.01000	0.011(M)
22 Allyl chloride	41	7.069	7.074	(0.712)	3141	0.01000	0.010(a)
25 Methylene chloride	49	7.363	7.368	(0.742)	12368	0.01000	0.032(a)
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	5382	0.01000	0.010
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	10401	0.01000	0.011

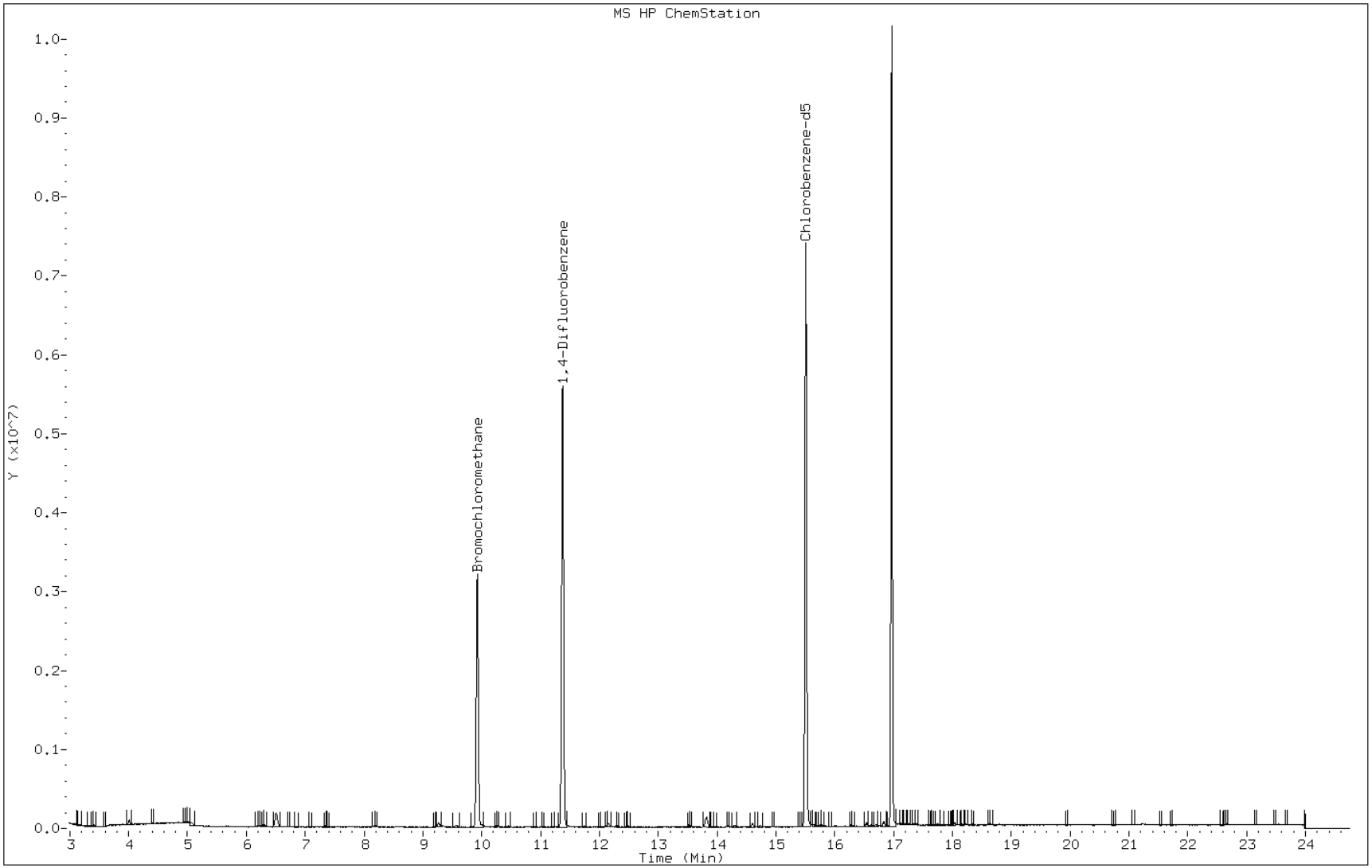
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.160	8.155	(0.822)	4166	0.01000	0.0099(a)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	6475	0.01000	0.010
M	33 1,2-Dichloroethene, Total	61				9297	0.02000	0.021
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	3915	0.01000	0.010
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1274321	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	10345	0.01000	0.011
	40 Cyclohexane	84	10.257	10.252	(0.902)	4575	0.01000	0.010(M)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	11068	0.01000	0.010(Q)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	12503	0.01000	0.010
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	12149	0.01000	0.0099(a)
	44 Benzene	78	10.797	10.797	(0.949)	12767	0.01000	0.012
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	5726	0.01000	0.010(a)
	46 n-Heptane	43	11.033	11.033	(0.970)	5546	0.01000	0.011
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6085666	2.00000	
	49 Trichloroethene	95	11.744	11.734	(1.032)	5944	0.01000	0.011
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	3698	0.01000	0.011(aQM)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	9716	0.01000	0.010
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	4981	0.01000	0.010
	58 Toluene	92	13.536	13.536	(0.873)	7284	0.01000	0.010(Q)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	4840	0.01000	0.010
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	4105	0.01000	0.011(Q)
	61 Tetrachloroethene	166	14.307	14.301	(0.923)	8786	0.01000	0.011
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	9471	0.01000	0.010
	64 1,2-Dibromoethane	107	14.943	14.933	(0.964)	6207	0.01000	0.010
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5364128	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	14921	0.01000	0.010
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	10443	0.02000	0.020
M	70 Xylene, Total	106				15935	0.03000	0.030
	71 Xylene (o)	106	16.286	16.281	(1.050)	5492	0.01000	0.010(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	8086	0.01000	0.0100(M)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	5863	0.01000	0.010
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	9843	0.01000	0.0089(a)
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	9372	0.01000	0.0093(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: efv004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 11:51
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 9 Bromomethane
CAS #: 74-83-9
Report Date: 06/05/2013

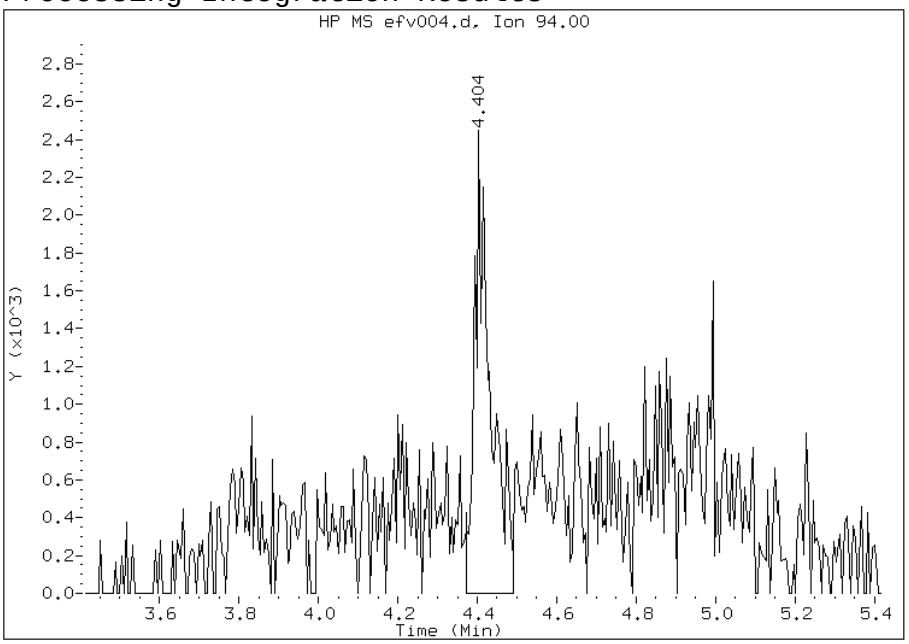
Processing Integration Results

RT: 4.40

Response: 6850

Amount: 0.021230

Conc: 0.021230



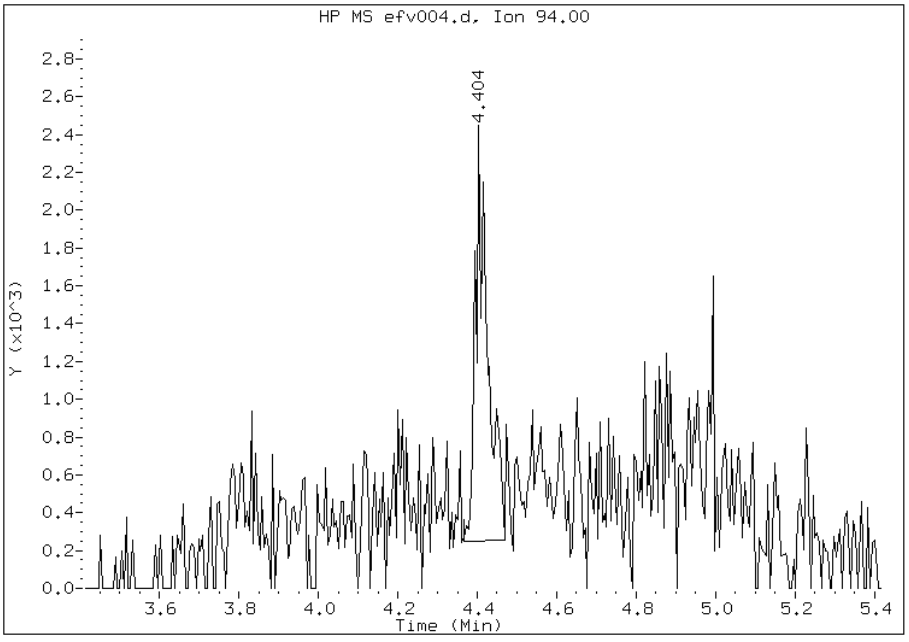
Manual Integration Results

RT: 4.40

Response: 4681

Amount: 0.014508

Conc: 0.014508



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 06/05/2013

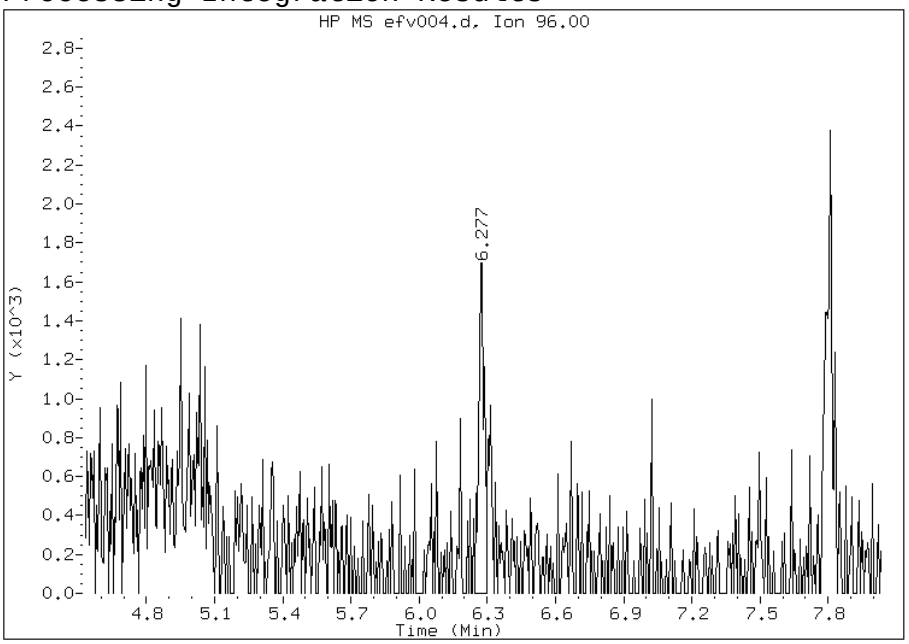
Processing Integration Results

RT: 6.28

Response: 2987

Amount: 0.008803

Conc: 0.008803



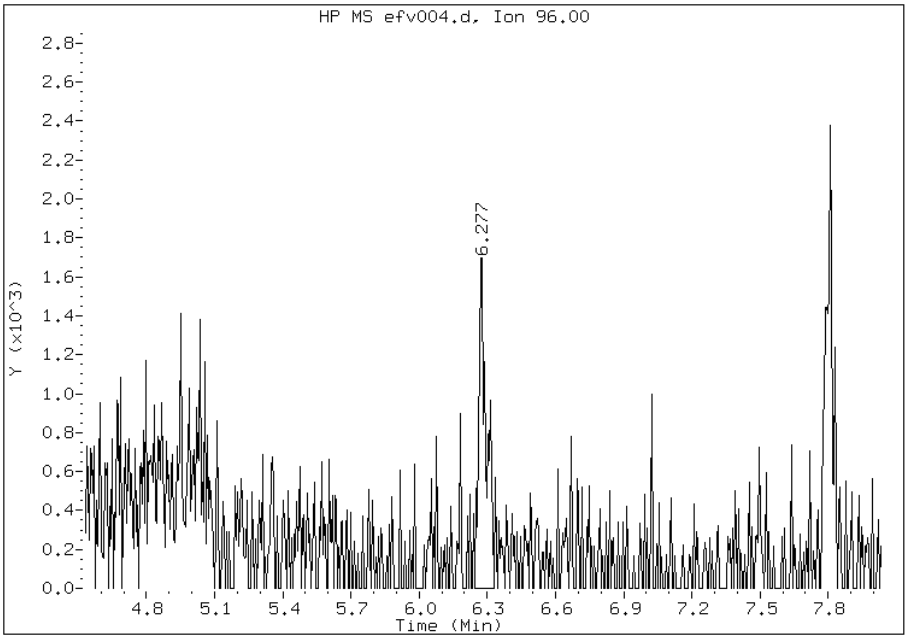
Manual Integration Results

RT: 6.28

Response: 4045

Amount: 0.010754

Conc: 0.010754



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 40 Cyclohexane
CAS #: 110-82-7
Report Date: 06/05/2013

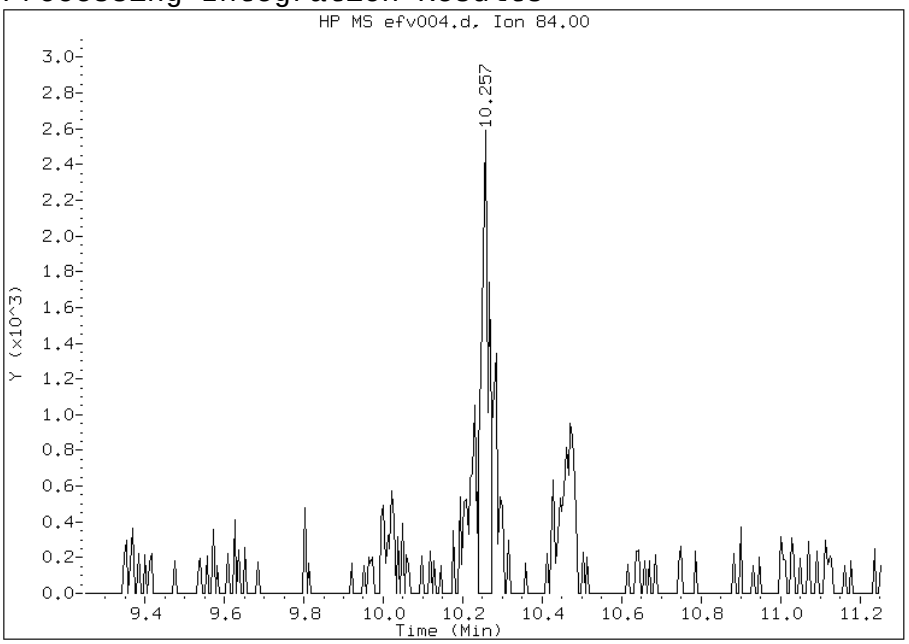
Processing Integration Results

RT: 10.26

Response: 3268

Amount: 0.007645

Conc: 0.007645



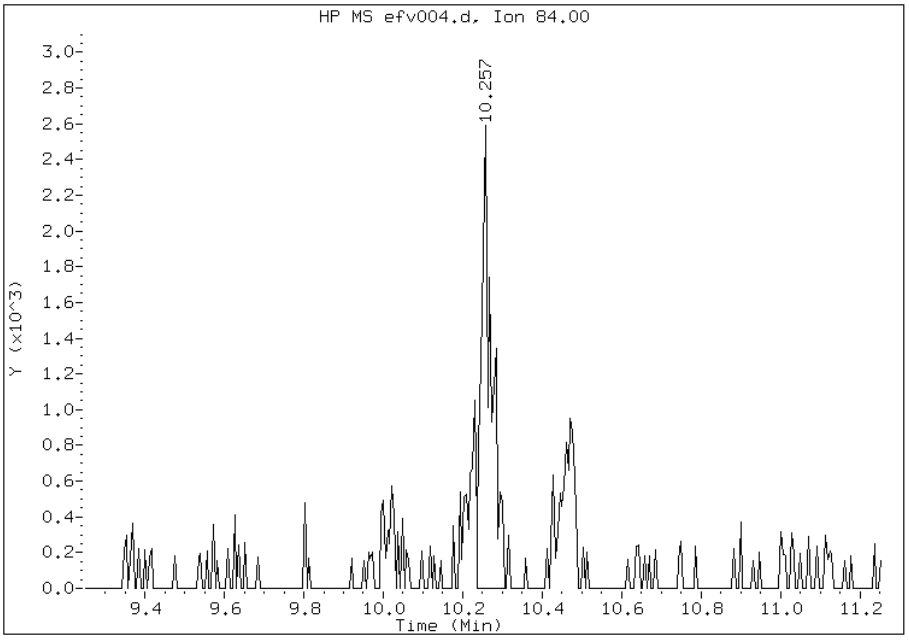
Manual Integration Results

RT: 10.26

Response: 4575

Amount: 0.010310

Conc: 0.010310



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 50 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 06/05/2013

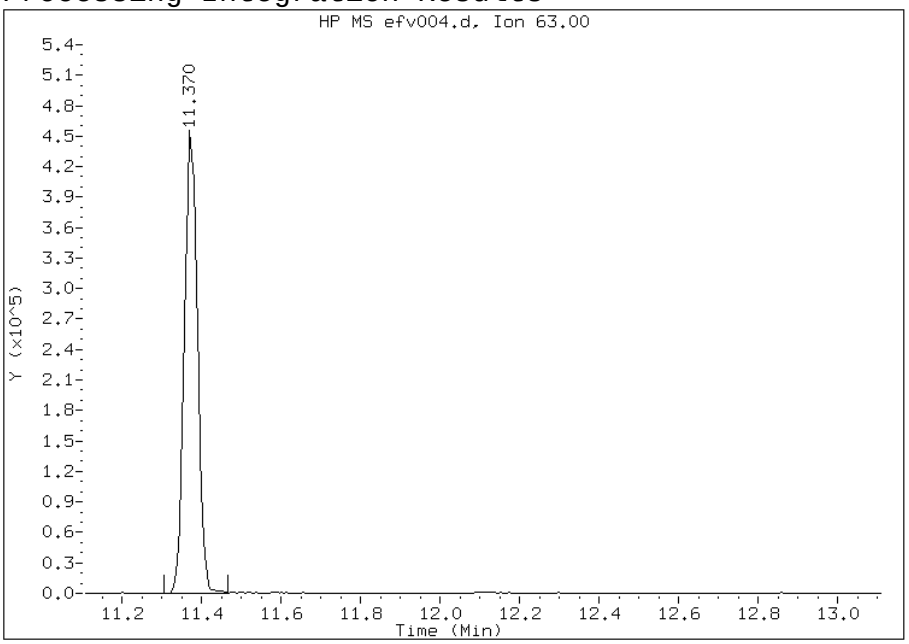
Processing Integration Results

RT: 11.37

Response: 1043541

Amount: 3.38

Conc: 3.38



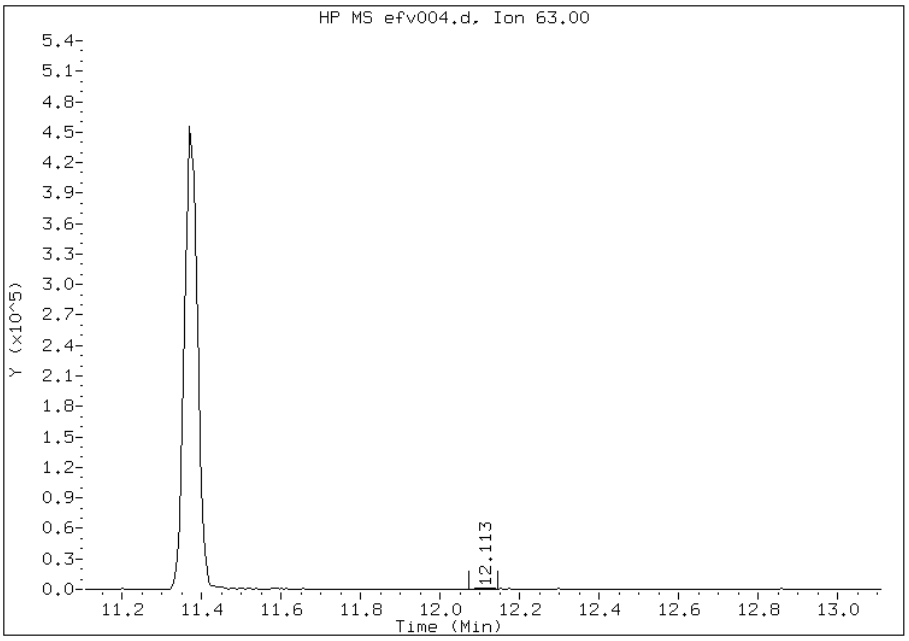
Manual Integration Results

RT: 12.11

Response: 3698

Amount: 0.011185

Conc: 0.011185



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

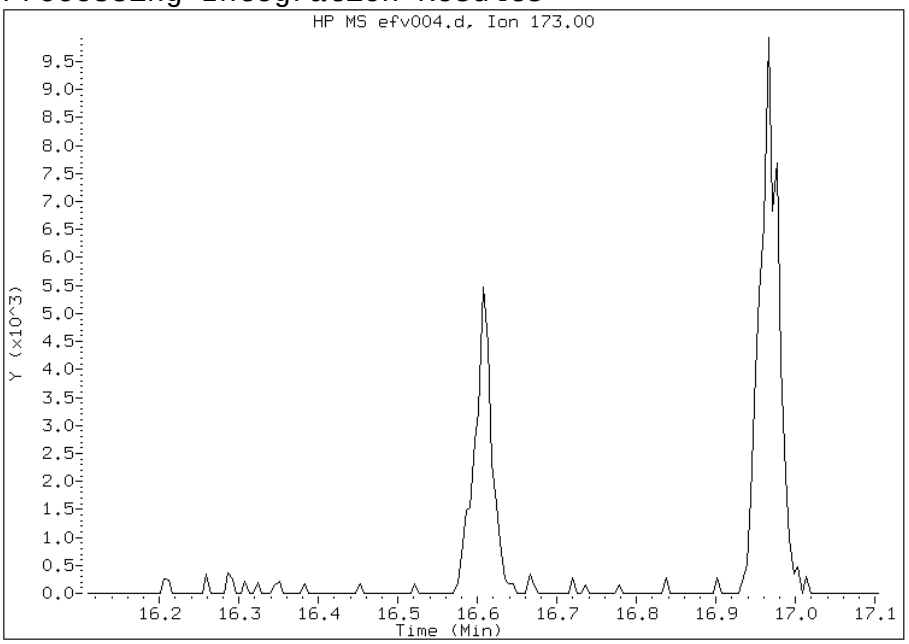
Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 73 Bromoform
CAS #: 75-25-2
Report Date: 06/05/2013

Processing Integration Results

Not Detected

Expected RT: 16.61



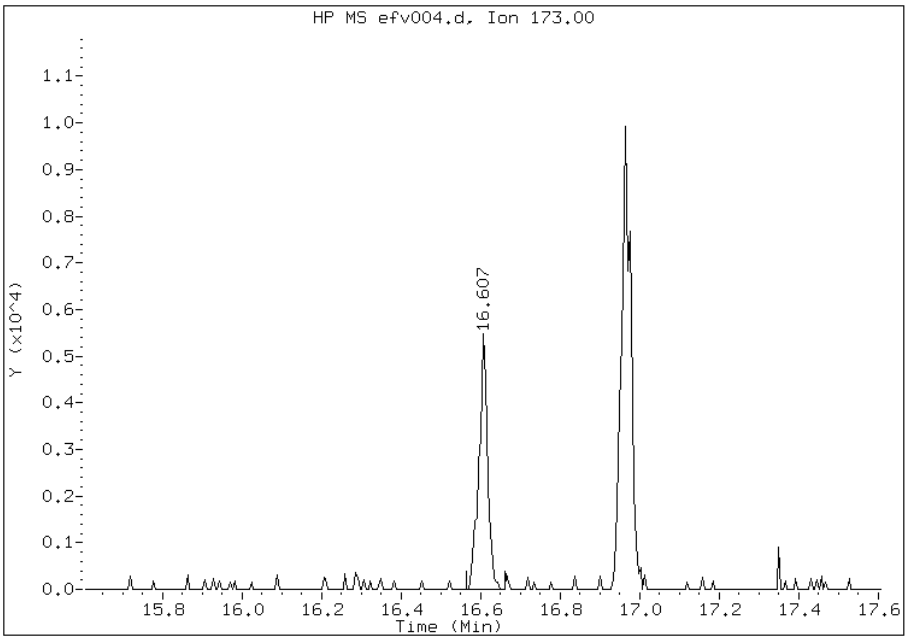
Manual Integration Results

RT: 16.61

Response: 8086

Amount: 0.009996

Conc: 0.009996



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv005.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 12:46
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 12:46 Cal File: efv005.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	24279	0.02000	0.019
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	19272	0.02000	0.019
7 Vinyl chloride	62	3.736	3.746	(0.376)	5072	0.02000	0.021
8 1,3-Butadiene	54	3.816	3.805	(0.384)	4191	0.02000	0.023
9 Bromomethane	94	4.415	4.415	(0.445)	8402	0.02000	0.022
10 Chloroethane	64	4.608	4.618	(0.464)	3384	0.02000	0.023(QM)
12 Vinyl bromide	106	4.993	4.993	(0.503)	9706	0.02000	0.022
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	25548	0.02000	0.019
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	17754	0.02000	0.020(a)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	8292	0.02000	0.021(Q)
22 Allyl chloride	41	7.079	7.074	(0.713)	7652	0.02000	0.022
25 Methylene chloride	49	7.363	7.368	(0.742)	16244	0.02000	0.040(a)
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	10813	0.02000	0.020
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	16918	0.02000	0.018(M)

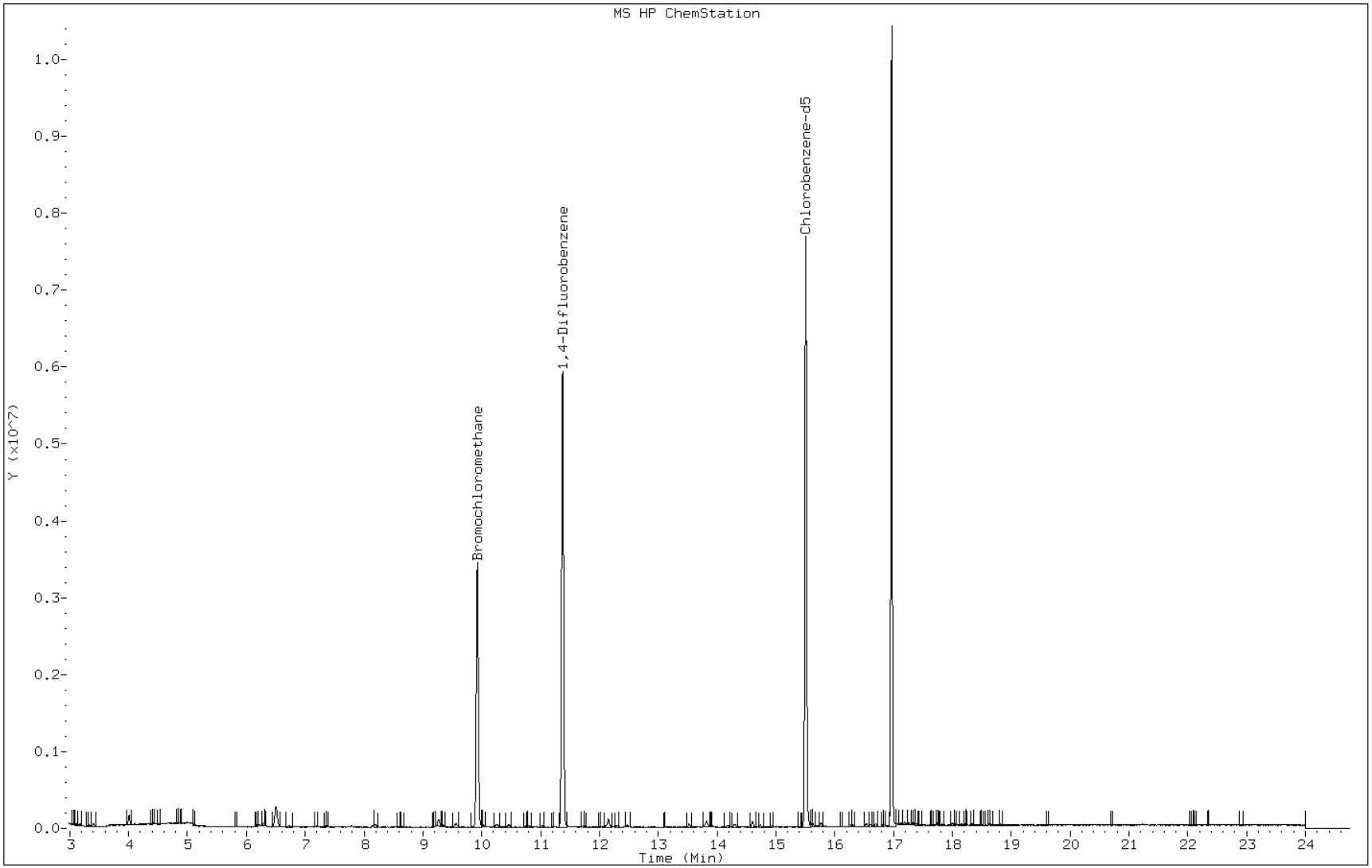
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.155	(0.820)	11533	0.02000	0.023
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	12210	0.02000	0.019
M	33 1,2-Dichloroethene, Total	61				18435	0.04000	0.040
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	7622	0.02000	0.020
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1326198	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	17534	0.02000	0.018
	40 Cyclohexane	84	10.262	10.252	(0.902)	9938	0.02000	0.021
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	22280	0.02000	0.020
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	26424	0.02000	0.020
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	23171	0.02000	0.019
	44 Benzene	78	10.797	10.797	(0.949)	23055	0.02000	0.020
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	10168	0.02000	0.019(a)
	46 n-Heptane	43	11.027	11.033	(0.969)	11211	0.02000	0.021
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6352780	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	10302	0.02000	0.019
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	6516	0.02000	0.019(aQ)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	17149	0.02000	0.018
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	8416	0.02000	0.018
	58 Toluene	92	13.531	13.536	(0.873)	13169	0.02000	0.019
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	7543	0.02000	0.017
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	6567	0.02000	0.018(M)
	61 Tetrachloroethene	166	14.296	14.301	(0.922)	15371	0.02000	0.019
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	15246	0.02000	0.018
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	10922	0.02000	0.018
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5492158	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	26197	0.02000	0.018
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	17909	0.04000	0.035
M	70 Xylene, Total	106				27245	0.06000	0.053
	71 Xylene (o)	106	16.281	16.281	(1.050)	9336	0.02000	0.018(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	13495	0.02000	0.017
	75 1,1,2,2-Tetrachloroethane	83	17.131	17.126	(1.105)	8806	0.02000	0.016
	79 4-Ethyltoluene	105	17.319	17.313	(1.117)	19314	0.02000	0.018
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	14815	0.02000	0.017(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: efv005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 12:46
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 10 Chloroethane
CAS #: 75-00-3
Report Date: 06/05/2013

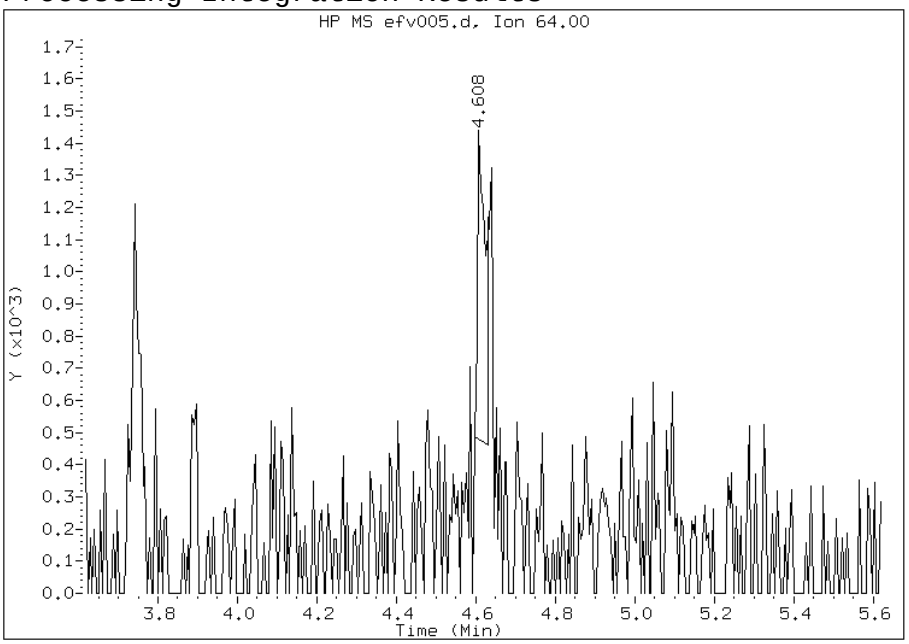
Processing Integration Results

RT: 4.61

Response: 1286

Amount: 0.013422

Conc: 0.013422



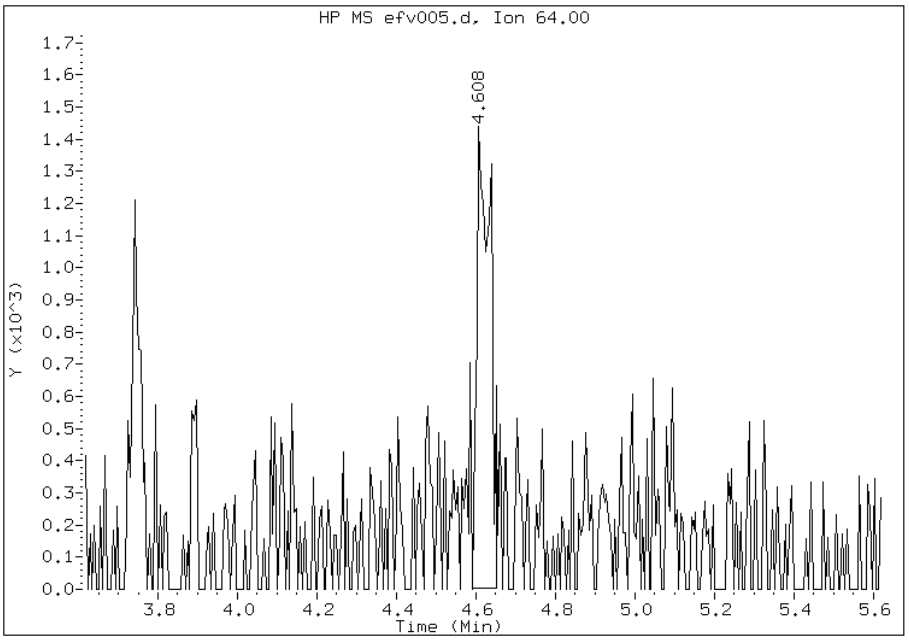
Manual Integration Results

RT: 4.61

Response: 3384

Amount: 0.022824

Conc: 0.022824



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 28 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 06/05/2013

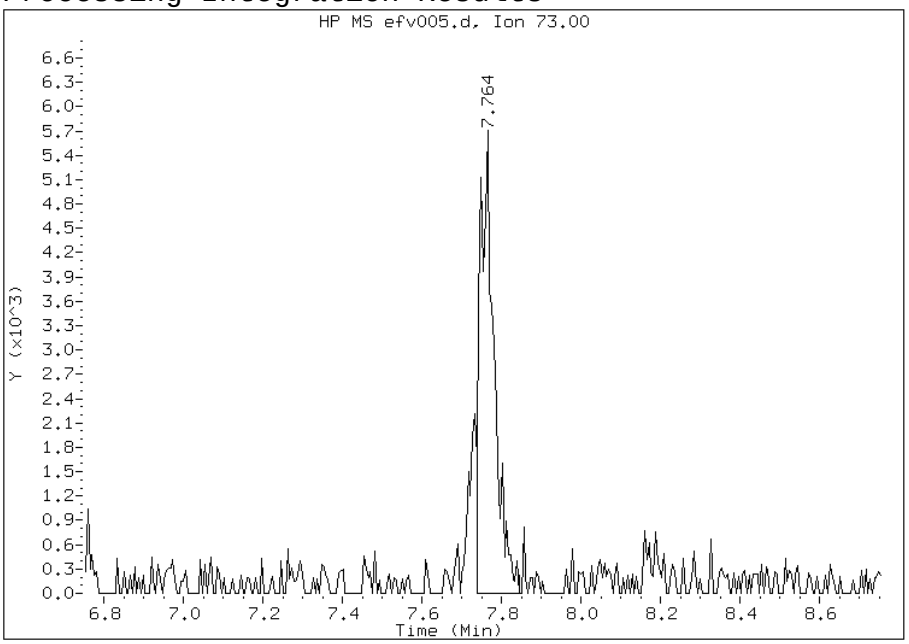
Processing Integration Results

RT: 7.76

Response: 14267

Amount: 0.016723

Conc: 0.016723



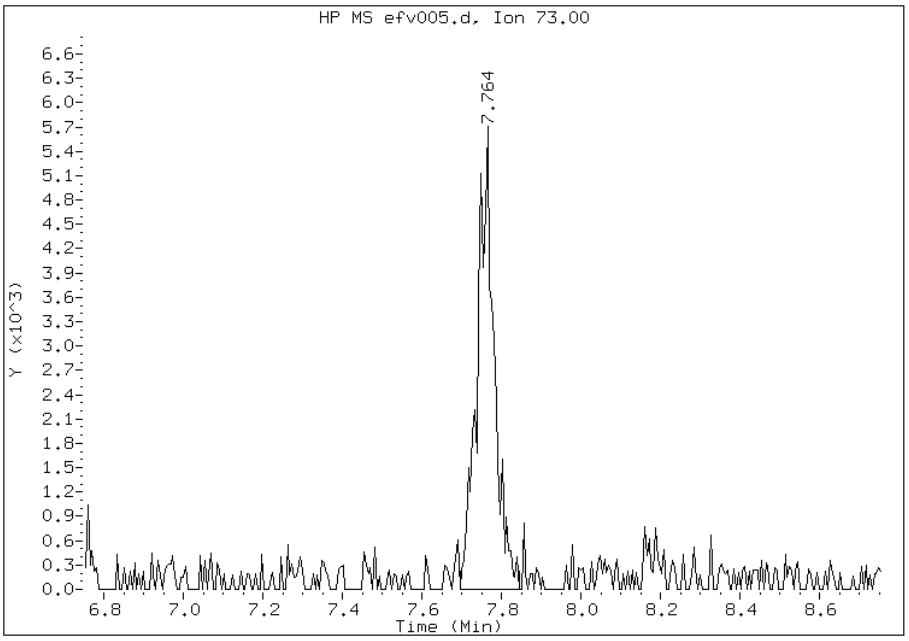
Manual Integration Results

RT: 7.76

Response: 16918

Amount: 0.018021

Conc: 0.018021



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 06/05/2013

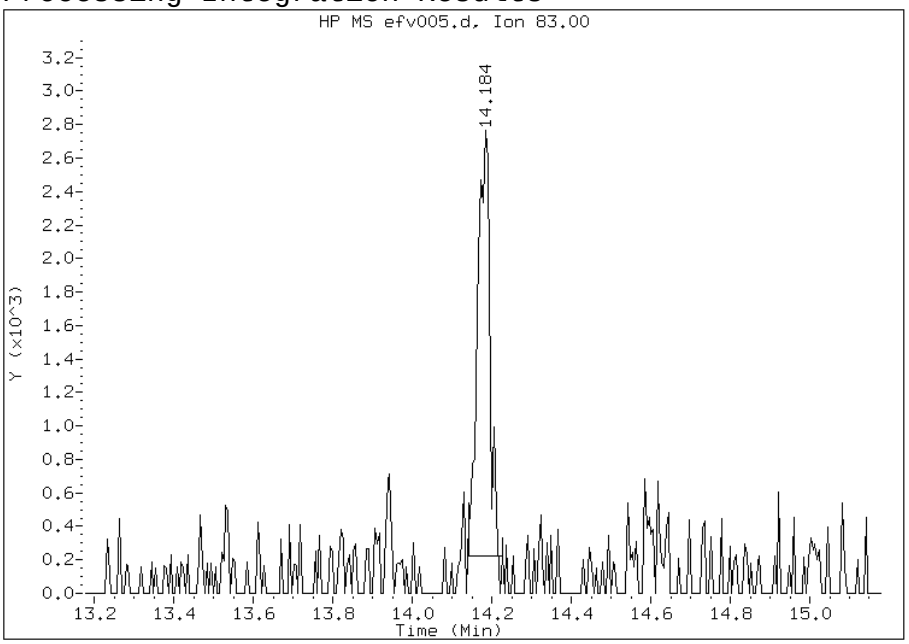
Processing Integration Results

RT: 14.18

Response: 5416

Amount: 0.016087

Conc: 0.016087



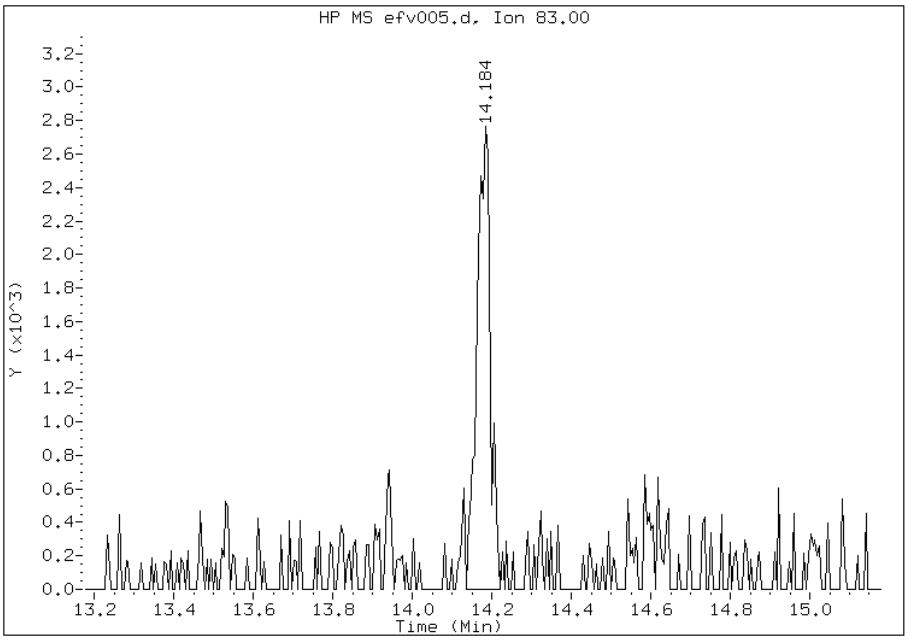
Manual Integration Results

RT: 14.18

Response: 6567

Amount: 0.018232

Conc: 0.018232



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv006.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 13:41
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 13:41 Cal File: efv006.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

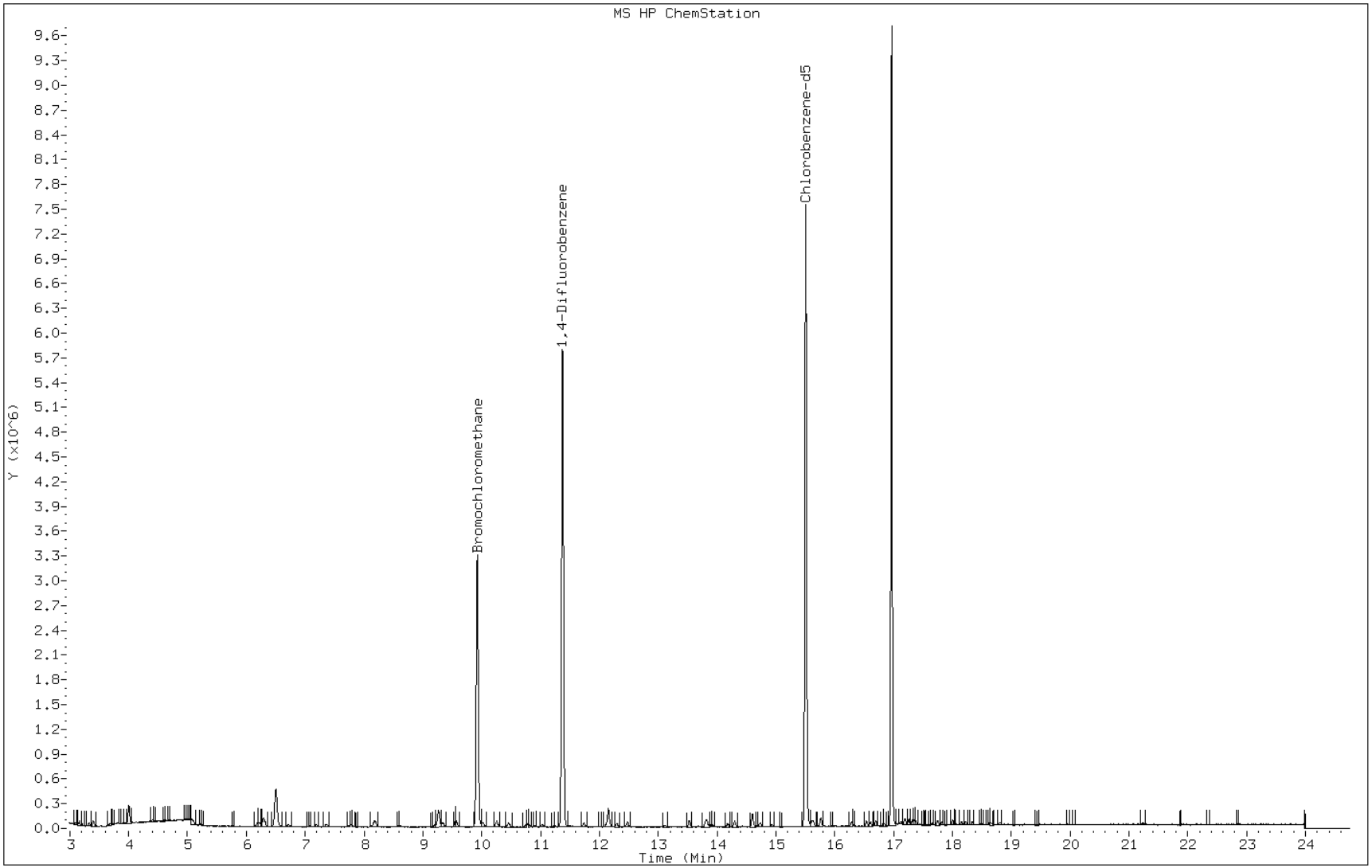
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	44743	0.04000	0.038
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	36132	0.04000	0.037
7 Vinyl chloride	62	3.741	3.746	(0.377)	9426	0.04000	0.040
8 1,3-Butadiene	54	3.805	3.805	(0.383)	6191	0.04000	0.037
9 Bromomethane	94	4.405	4.415	(0.444)	13409	0.04000	0.038
10 Chloroethane	64	4.619	4.618	(0.465)	5571	0.04000	0.039
12 Vinyl bromide	106	4.982	4.993	(0.502)	16831	0.04000	0.040
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	48736	0.04000	0.039
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.224	6.223	(0.627)	29961	0.04000	0.038(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	13221	0.04000	0.036
22 Allyl chloride	41	7.085	7.074	(0.714)	12203	0.04000	0.037
25 Methylene chloride	49	7.368	7.368	(0.742)	23399	0.04000	0.060(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.807	(0.785)	18199	0.04000	0.036
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	30054	0.04000	0.035(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.149	8.155	(0.821)	19199	0.04000	0.040
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	22143	0.04000	0.037
M	33 1,2-Dichloroethene, Total	61				31977	0.08000	0.074
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	13778	0.04000	0.038
*	36 Bromochloromethane	128	9.926	9.925	(1.000)	1272274	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	32507	0.04000	0.036
	40 Cyclohexane	84	10.252	10.252	(0.901)	17038	0.04000	0.038
	41 1,1,1-Trichloroethane	97	10.263	10.252	(0.902)	39317	0.04000	0.037
	42 Carbon tetrachloride	117	10.455	10.460	(0.919)	44636	0.04000	0.036
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	44235	0.04000	0.038
	44 Benzene	78	10.798	10.797	(0.949)	37814	0.04000	0.035
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	18922	0.04000	0.038
	46 n-Heptane	43	11.033	11.033	(0.970)	18381	0.04000	0.037
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6124979	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	19217	0.04000	0.038
	50 1,2-Dichloropropane	63	12.103	12.108	(1.064)	12048	0.04000	0.038(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	31172	0.04000	0.036
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	14843	0.04000	0.034
	58 Toluene	92	13.526	13.536	(0.872)	24571	0.04000	0.037
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	15475	0.04000	0.036
	60 1,1,2-Trichloroethane	83	14.173	14.178	(0.914)	12506	0.04000	0.037
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	27306	0.04000	0.036
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	31262	0.04000	0.038
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	21391	0.04000	0.038
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5304994	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	52451	0.04000	0.038
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	36774	0.08000	0.076
M	70 Xylene, Total	106				52685	0.12000	0.11
	71 Xylene (o)	106	16.281	16.281	(1.050)	15911	0.04000	0.033
	73 Bromoform	173	16.607	16.607	(1.071)	26249	0.04000	0.036
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	17068	0.04000	0.034
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	37765	0.04000	0.037
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	29878	0.04000	0.036

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	efv006.d	Date:	04-JUN-2013 13:41
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495525		
Lab Sample ID:	ic 495525		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv007.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 14:37
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 14:37 Cal File: efv007.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

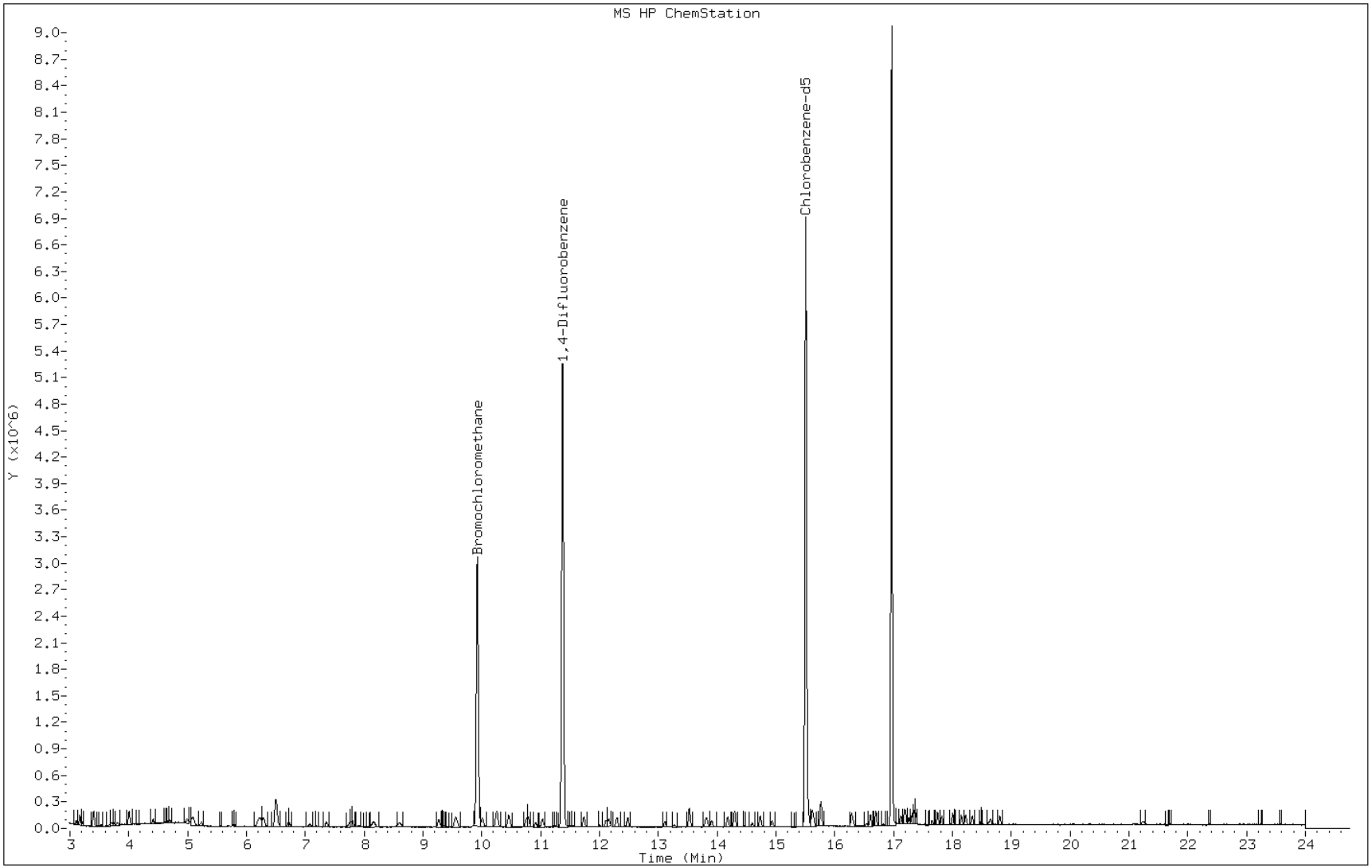
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	104846	0.10000	0.098
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	93237	0.10000	0.10
7 Vinyl chloride	62	3.746	3.746	(0.377)	23350	0.10000	0.11
8 1,3-Butadiene	54	3.805	3.805	(0.383)	15160	0.10000	0.10
9 Bromomethane	94	4.415	4.415	(0.445)	32813	0.10000	0.10
10 Chloroethane	64	4.613	4.618	(0.465)	12602	0.10000	0.099
12 Vinyl bromide	106	4.993	4.993	(0.503)	38291	0.10000	0.10
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	128040	0.10000	0.11
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	78133	0.10000	0.11
19 1,1-Dichloroethene	96	6.298	6.282	(0.635)	31671	0.10000	0.096
22 Allyl chloride	41	7.079	7.074	(0.713)	29766	0.10000	0.10
25 Methylene chloride	49	7.363	7.368	(0.742)	40812	0.10000	0.11
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	47363	0.10000	0.10
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	73615	0.10000	0.095

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	30 n-Hexane	57	8.171	8.155	(0.823)	41436	0.10000	0.096
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	59335	0.10000	0.11
M	33 1,2-Dichloroethene, Total	61				79524	0.20000	0.20
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	32161	0.10000	0.098
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1150637	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	82205	0.10000	0.10
	40 Cyclohexane	84	10.252	10.252	(0.901)	43343	0.10000	0.10
	41 1,1,1-Trichloroethane	97	10.262	10.252	(0.902)	106899	0.10000	0.11
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	115554	0.10000	0.10
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	122910	0.10000	0.11
	44 Benzene	78	10.797	10.797	(0.949)	92753	0.10000	0.096
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	53437	0.10000	0.11
	46 n-Heptane	43	11.033	11.033	(0.970)	41118	0.10000	0.092
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5557763	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	47272	0.10000	0.10
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	30478	0.10000	0.10
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	81002	0.10000	0.10
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	41455	0.10000	0.10
	58 Toluene	92	13.536	13.536	(0.873)	61996	0.10000	0.10
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	42717	0.10000	0.11
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	34937	0.10000	0.11
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	71302	0.10000	0.10
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	76623	0.10000	0.10
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	53840	0.10000	0.10
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4885561	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	139099	0.10000	0.11
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	96483	0.20000	0.21
M	70 Xylene, Total	106				142443	0.30000	0.32
	71 Xylene (o)	106	16.286	16.281	(1.050)	45960	0.10000	0.10
	73 Bromoform	173	16.607	16.607	(1.071)	70696	0.10000	0.10
	75 1,1,2,2-Tetrachloroethane	83	17.121	17.126	(1.104)	44274	0.10000	0.097
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	87111	0.10000	0.094
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	76398	0.10000	0.10

Data File: efv007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495526
Lab Sample ID: ic 495526

Date: 04-JUN-2013 14:37
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



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AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv008.d
Lab Smp Id: icis 495526
Inj Date : 04-JUN-2013 15:32
Operator : wrd Inst ID: E.i
Smp Info : icis 495526
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:17 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 15:32 Cal File: efv008.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

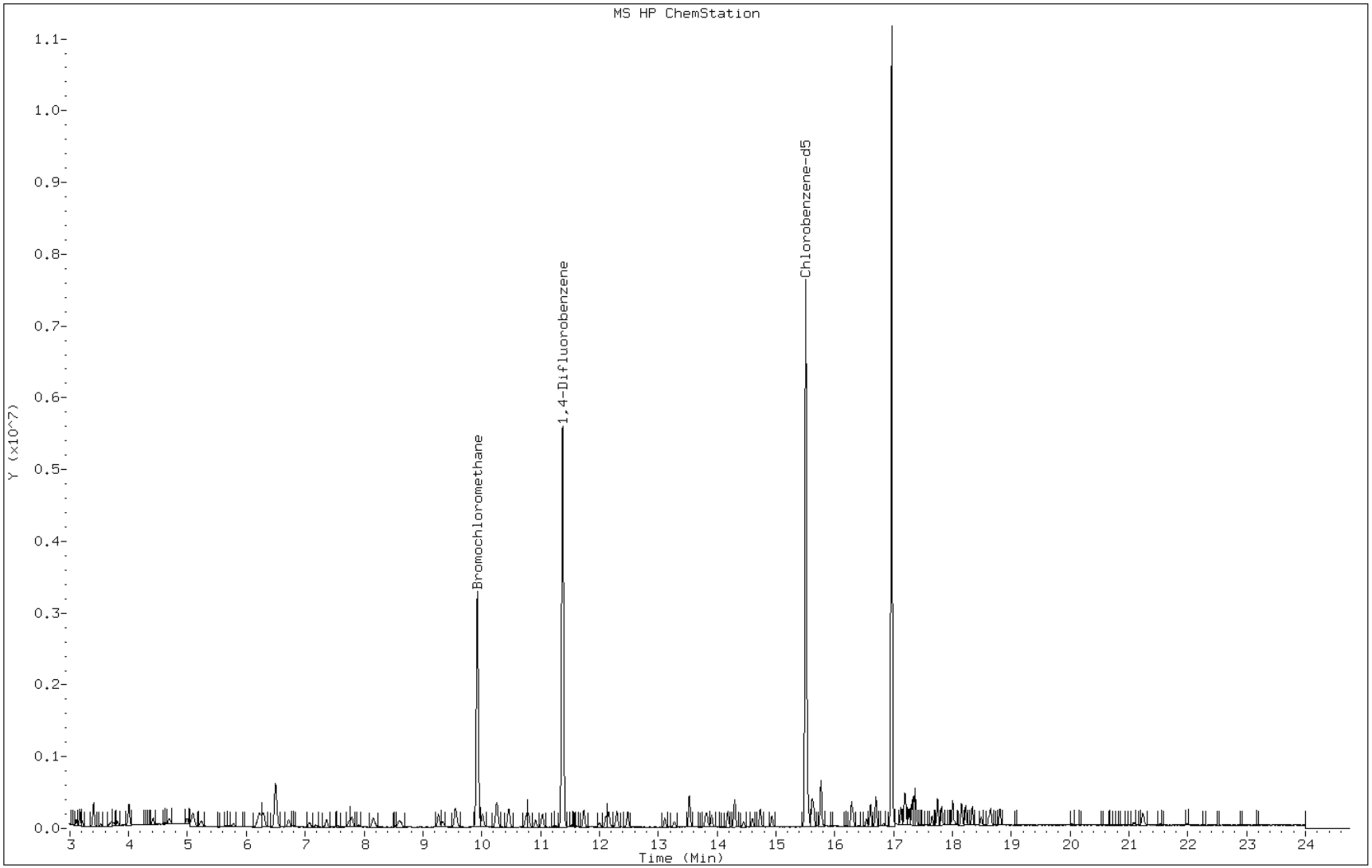
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	210069	0.20000	0.20
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	185548	0.20000	0.20
7 Vinyl chloride	62	3.746	3.746	(0.377)	43222	0.20000	0.20
8 1,3-Butadiene	54	3.805	3.805	(0.383)	28195	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62214	0.20000	0.20
10 Chloroethane	64	4.618	4.618	(0.465)	23592	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	70441	0.20000	0.20
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	249052	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	160060	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	67060	0.20000	0.20
22 Allyl chloride	41	7.074	7.074	(0.713)	60089	0.20000	0.20
25 Methylene chloride	49	7.368	7.368	(0.742)	75267	0.20000	0.20
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	93471	0.20000	0.20
28 Methyl tert-butyl ether	73	7.753	7.753	(0.781)	164529	0.20000	0.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	81163	0.20000	0.20
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	122266	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				161436	0.40000	0.40
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	67965	0.20000	0.20
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1228586	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	173759	0.20000	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	84106	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	210111	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	241852	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	243304	0.20000	0.20
	44 Benzene	78	10.797	10.797	(0.949)	182141	0.20000	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	106844	0.20000	0.20
	46 n-Heptane	43	11.033	11.033	(0.970)	86535	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5951502	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	91519	0.20000	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	64665	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	168622	0.20000	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	89706	0.20000	0.20
	58 Toluene	92	13.536	13.536	(0.873)	135205	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	89320	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	65475	0.20000	0.20
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	155443	0.20000	0.20
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	169964	0.20000	0.20
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	120014	0.20000	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5416411	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	297130	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	219971	0.40000	0.40
M	70 Xylene, Total	106				327258	0.60000	0.60
	71 Xylene (o)	106	16.281	16.281	(1.050)	107287	0.20000	0.20
	73 Bromoform	173	16.607	16.607	(1.071)	163433	0.20000	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	116901	0.20000	0.20
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	249870	0.20000	0.20
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	203713	0.20000	0.20

Data File:	efv008.d	Date:	04-JUN-2013 15:32
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 495526		
Lab Sample ID:	icis 495526		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv009.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 16:28
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 16:28 Cal File: efv009.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

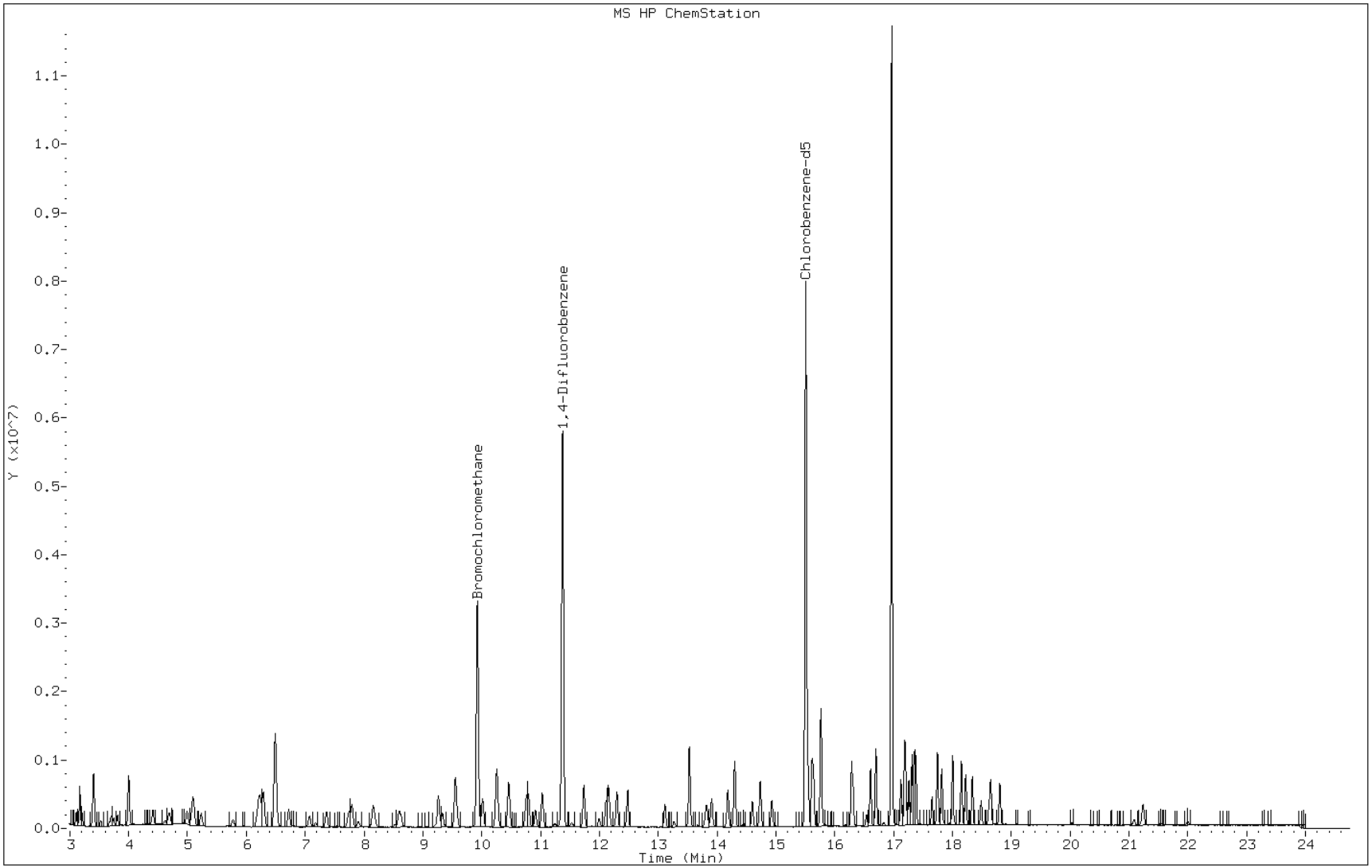
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	511068	0.50000	0.46
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	442933	0.50000	0.47
7 Vinyl chloride	62	3.747	3.746	(0.377)	107828	0.50000	0.47
8 1,3-Butadiene	54	3.805	3.805	(0.383)	67850	0.50000	0.43
9 Bromomethane	94	4.410	4.415	(0.444)	153736	0.50000	0.46
10 Chloroethane	64	4.624	4.618	(0.466)	53499	0.50000	0.41
12 Vinyl bromide	106	4.998	4.993	(0.504)	177198	0.50000	0.45
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	614315	0.50000	0.49
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	383470	0.50000	0.49
19 1,1-Dichloroethene	96	6.288	6.282	(0.633)	155227	0.50000	0.45
22 Allyl chloride	41	7.074	7.074	(0.713)	143634	0.50000	0.46
25 Methylene chloride	49	7.368	7.368	(0.742)	168425	0.50000	0.44
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	225430	0.50000	0.47
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	415958	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	30 n-Hexane	57	8.160	8.155	(0.822)	203609	0.50000	0.45
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	293299	0.50000	0.49
M	33 1,2-Dichloroethene, Total	61				394392	1.00000	0.95
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	168962	0.50000	0.48
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1235022	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	417481	0.50000	0.48
	40 Cyclohexane	84	10.257	10.252	(0.902)	215684	0.50000	0.48
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	517009	0.50000	0.48
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	587423	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	631114	0.50000	0.52
	44 Benzene	78	10.803	10.797	(0.950)	470759	0.50000	0.45
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	269730	0.50000	0.51
	46 n-Heptane	43	11.027	11.033	(0.969)	239747	0.50000	0.49
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6144295	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	241749	0.50000	0.47
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	158513	0.50000	0.49
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	436607	0.50000	0.50
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	235698	0.50000	0.53
	58 Toluene	92	13.536	13.536	(0.873)	352398	0.50000	0.50
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	245743	0.50000	0.55
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	170205	0.50000	0.47
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	387060	0.50000	0.48
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	449313	0.50000	0.51
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	313539	0.50000	0.51
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5644014	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	791112	0.50000	0.52
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	616455	1.00000	1.1
M	70 Xylene, Total	106				907555	1.50000	1.7
	71 Xylene (o)	106	16.286	16.281	(1.050)	291100	0.50000	0.55
	73 Bromoform	173	16.607	16.607	(1.071)	458901	0.50000	0.57
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	312547	0.50000	0.57
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	731034	0.50000	0.64
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	592477	0.50000	0.63

Data File:	efv009.d	Date:	04-JUN-2013 16:28
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495526		
Lab Sample ID:	ic 495526		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv010.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 17:24
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 187,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 17:24 Cal File: efv010.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	187.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	770471	0.75000	0.65
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	666933	0.75000	0.67
7 Vinyl chloride	62	3.746	3.746	(0.377)	171820	0.75000	0.71
8 1,3-Butadiene	54	3.811	3.805	(0.384)	104843	0.75000	0.63
9 Bromomethane	94	4.415	4.415	(0.445)	229587	0.75000	0.64
10 Chloroethane	64	4.618	4.618	(0.465)	82144	0.75000	0.60
12 Vinyl bromide	106	4.998	4.993	(0.504)	258989	0.75000	0.62
13 Trichlorofluoromethane	101	5.094	5.095	(0.513)	919423	0.75000	0.70
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	580063	0.75000	0.70
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	235296	0.75000	0.64
22 Allyl chloride	41	7.079	7.074	(0.713)	194460	0.75000	0.59
25 Methylene chloride	49	7.363	7.368	(0.742)	221191	0.75000	0.59
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	324248	0.75000	0.64
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	550313	0.75000	0.63

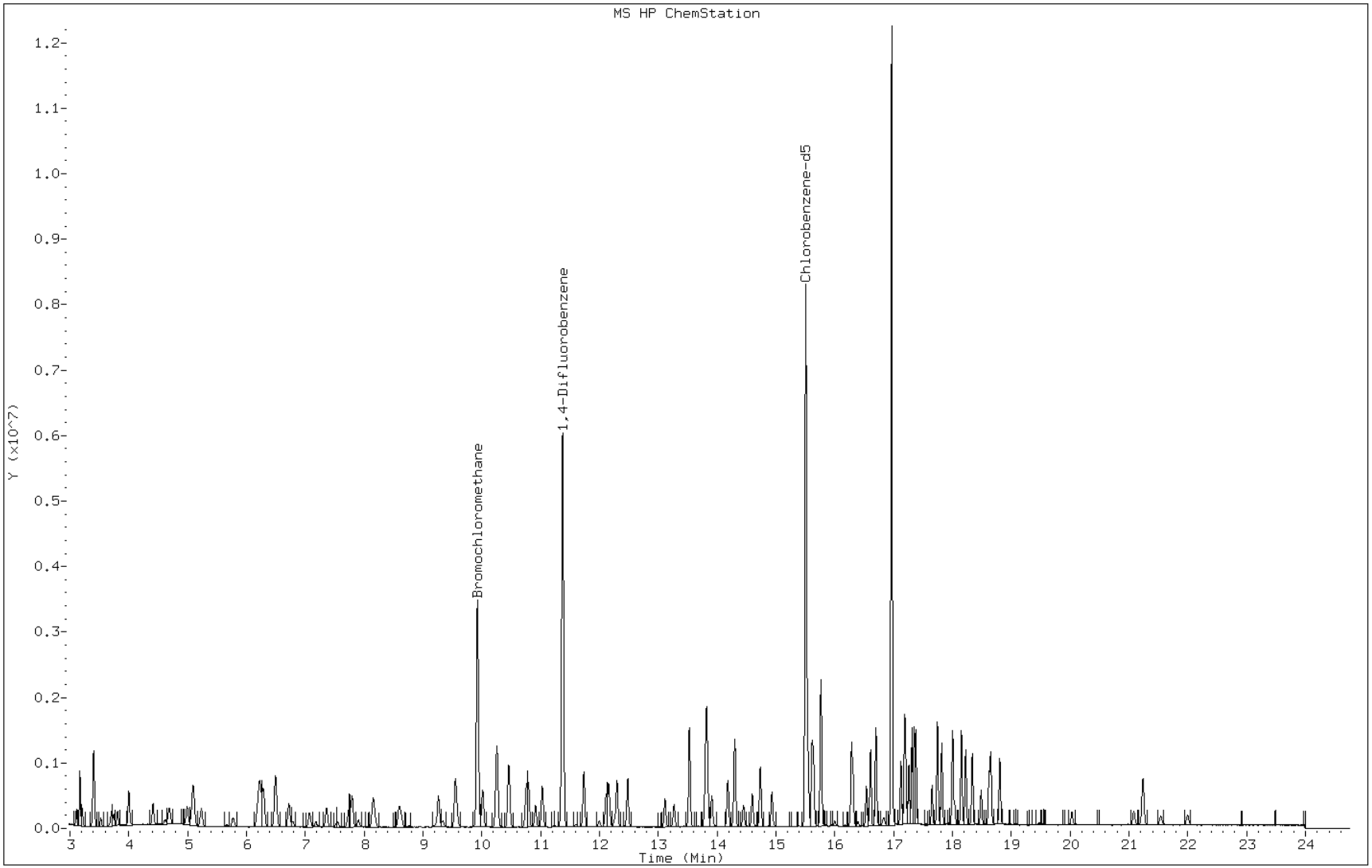
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.154	8.155	(0.822)	302419	0.75000	0.63
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	409694	0.75000	0.65
M	33 1,2-Dichloroethene, Total	61				560747	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	236499	0.75000	0.64
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1299761	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	584267	0.75000	0.64
	40 Cyclohexane	84	10.262	10.252	(0.902)	333595	0.75000	0.70
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	746651	0.75000	0.66
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	890458	0.75000	0.69
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	917834	0.75000	0.72
	44 Benzene	78	10.797	10.797	(0.949)	651034	0.75000	0.60
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	356455	0.75000	0.64
	46 n-Heptane	43	11.033	11.033	(0.970)	301680	0.75000	0.59
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6424173	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	337390	0.75000	0.63
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	211321	0.75000	0.63(Q)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	588225	0.75000	0.64
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	313922	0.75000	0.67
	58 Toluene	92	13.531	13.536	(0.873)	459864	0.75000	0.62
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	315919	0.75000	0.68
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	227397	0.75000	0.59
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	558377	0.75000	0.66
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	627578	0.75000	0.68
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	436523	0.75000	0.68
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5944660	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1022146	0.75000	0.64
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	824807	1.50000	1.4
M	70 Xylene, Total	106				1220548	2.25000	2.2
	71 Xylene (o)	106	16.281	16.281	(1.050)	395741	0.75000	0.72
	73 Bromoform	173	16.607	16.607	(1.071)	630683	0.75000	0.74
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	462255	0.75000	0.80
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1025913	0.75000	0.86
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	860200	0.75000	0.87

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efv010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 17:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv011.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 18:19
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 250,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 18:19 Cal File: efv011.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	250.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	1050459	1.00000	0.86
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	946149	1.00000	0.92
7 Vinyl chloride	62	3.746	3.746	(0.377)	234302	1.00000	0.93
8 1,3-Butadiene	54	3.811	3.805	(0.384)	142807	1.00000	0.84
9 Bromomethane	94	4.415	4.415	(0.445)	316644	1.00000	0.87
10 Chloroethane	64	4.618	4.618	(0.465)	111692	1.00000	0.80
12 Vinyl bromide	106	4.993	4.993	(0.503)	356408	1.00000	0.84
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	1282830	1.00000	0.94
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	836754	1.00000	0.97
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	352755	1.00000	0.93
22 Allyl chloride	41	7.079	7.074	(0.713)	281189	1.00000	0.84
25 Methylene chloride	49	7.363	7.368	(0.742)	316737	1.00000	0.83
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	476484	1.00000	0.90
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	787815	1.00000	0.88

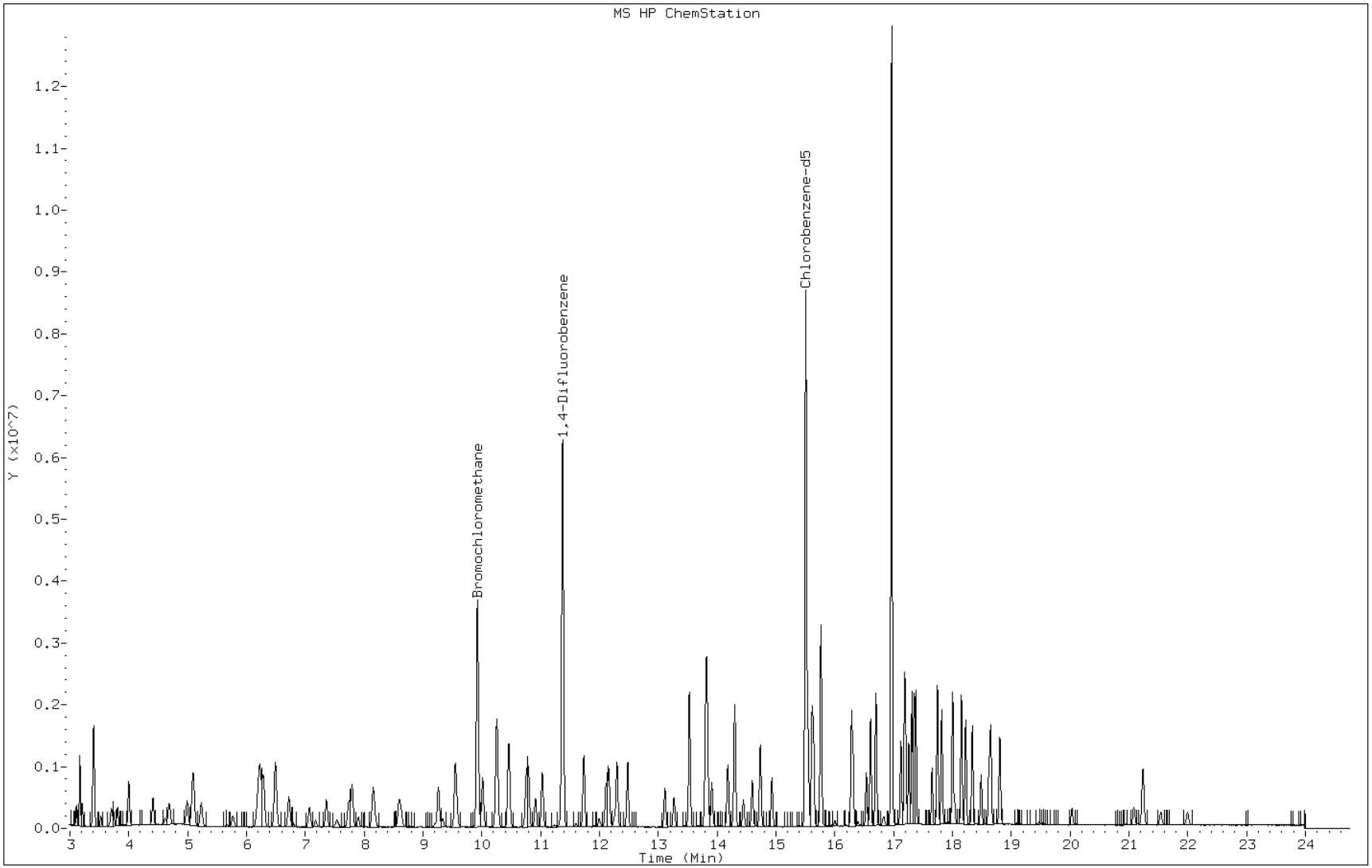
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	439613	1.00000	0.89
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	574716	1.00000	0.89
M	33 1,2-Dichloroethene, Total	61				826230	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	349746	1.00000	0.92
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1369170	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	814662	1.00000	0.87
	40 Cyclohexane	84	10.257	10.252	(0.902)	484105	1.00000	0.97
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1053984	1.00000	0.90
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1271748	1.00000	0.95
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	1293860	1.00000	0.96
	44 Benzene	78	10.797	10.797	(0.949)	925807	1.00000	0.83
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	501777	1.00000	0.88
	46 n-Heptane	43	11.027	11.033	(0.969)	426467	1.00000	0.81
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6784312	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	479172	1.00000	0.87
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	294402	1.00000	0.85
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	853782	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	453707	1.00000	0.93
	58 Toluene	92	13.531	13.536	(0.873)	665739	1.00000	0.87
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	475095	1.00000	0.97
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	327325	1.00000	0.83
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	826667	1.00000	0.93
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	926369	1.00000	0.95
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	638007	1.00000	0.95
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6286450	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1506425	1.00000	0.91
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	1186848	2.00000	2.0
M	70 Xylene, Total	106				1771185	3.00000	3.0
	71 Xylene (o)	106	16.286	16.281	(1.050)	584337	1.00000	1.00
	73 Bromoform	173	16.607	16.607	(1.071)	959494	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	666517	1.00000	1.1(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1530568	1.00000	1.2(A)
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	1308318	1.00000	1.2(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: efv011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 18:19
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv012.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 19:14
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 375,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 19:14 Cal File: efv012.d
Als bottle: 4 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	375.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

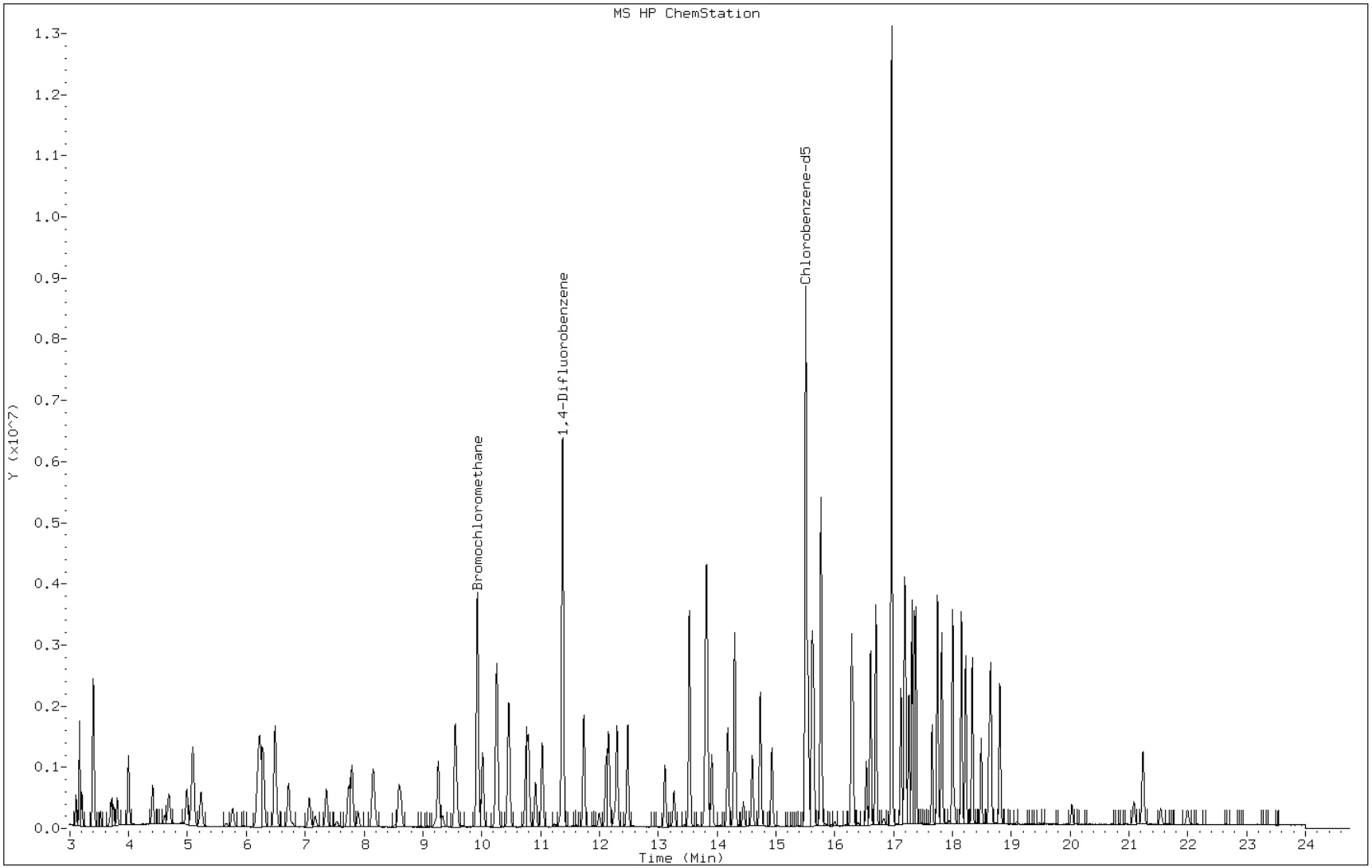
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	1574307	1.50000	1.2(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1388458	1.50000	1.3(A)
7 Vinyl chloride	62	3.741	3.746	(0.377)	348436	1.50000	1.3(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	214949	1.50000	1.2(A)
9 Bromomethane	94	4.410	4.415	(0.444)	468944	1.50000	1.2(A)
10 Chloroethane	64	4.618	4.618	(0.465)	163041	1.50000	1.1(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	539658	1.50000	1.2(A)
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	1908310	1.50000	1.3(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1243944	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	529476	1.50000	1.3(A)
22 Allyl chloride	41	7.069	7.074	(0.712)	424684	1.50000	1.2(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	452079	1.50000	1.2
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	704308	1.50000	1.3(A)
28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1274502	1.50000	1.4(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	666501	1.50000	1.3(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	892271	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1255434	3.00000	2.7
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	551126	1.50000	1.4(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1426157	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	1287466	1.50000	1.3(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	736289	1.50000	1.4(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1634183	1.50000	1.3(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1943726	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	2031124	1.50000	1.5(A)
	44 Benzene	78	10.797	10.797	(0.949)	1483991	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	785845	1.50000	1.3(A)
	46 n-Heptane	43	11.027	11.033	(0.969)	656639	1.50000	1.2(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7009052	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	748607	1.50000	1.3(A)
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	469701	1.50000	1.3(AQ)
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	1361618	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	753073	1.50000	1.5(A)
	58 Toluene	92	13.536	13.536	(0.873)	1092910	1.50000	1.4(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	795783	1.50000	1.6(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	532729	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	1351649	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	1518433	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	1081788	1.50000	1.5(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6550134	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	2484748	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	2009783	3.00000	3.2(A)
M	70 Xylene, Total	106				2985389	4.50000	4.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	975606	1.50000	1.6(A)
	73 Bromoform	173	16.607	16.607	(1.071)	1615665	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1086255	1.50000	1.7(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	2619243	1.50000	2.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	2172328	1.50000	2.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File:	efv012.d	Date:	04-JUN-2013 19:14
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 487974		
Lab Sample ID:	ic 487974		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv013.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 20:10
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 500,1,level 010
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	2091728	2.00000	1.6(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1857016	2.00000	1.7(A)
7 Vinyl chloride	62	3.741	3.746	(0.377)	466675	2.00000	1.8(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	285253	2.00000	1.6(A)
9 Bromomethane	94	4.410	4.415	(0.444)	624722	2.00000	1.6(A)
10 Chloroethane	64	4.619	4.618	(0.465)	217901	2.00000	1.5(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	738987	2.00000	1.6(A)
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	2595012	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1716632	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	727151	2.00000	1.8(A)
22 Allyl chloride	41	7.074	7.074	(0.713)	572256	2.00000	1.6(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	601453	2.00000	1.6
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	956684	2.00000	1.7(A)
28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1829028	2.00000	1.9(A)

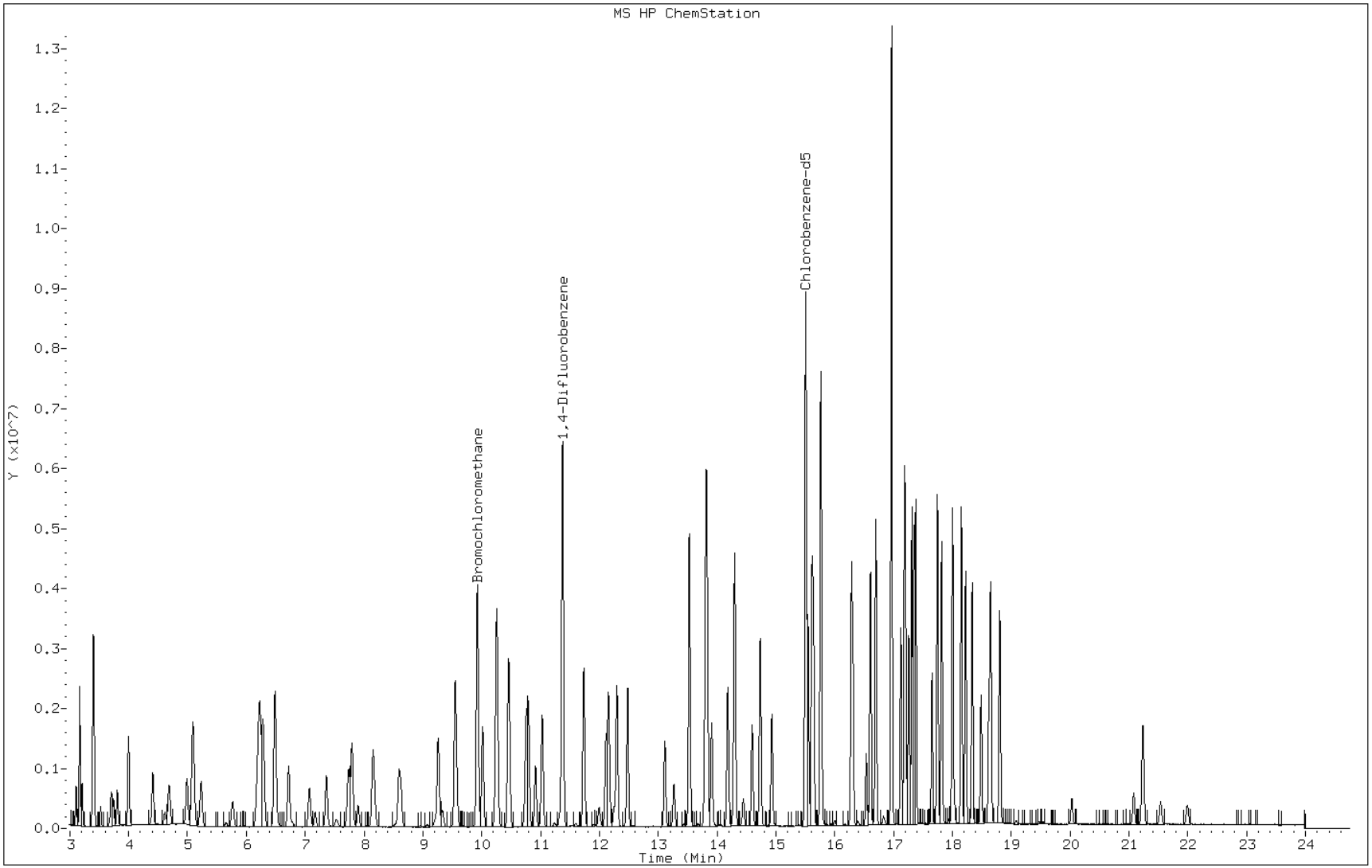
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.149	8.155	(0.821)	898587	2.00000	1.7(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	1209262	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1735570	4.00000	3.7
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	778886	2.00000	1.9(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1439442	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	1778083	2.00000	1.8(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	1029001	2.00000	2.0(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	2262104	2.00000	1.8(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	2671009	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	2785873	2.00000	2.0(A)
	44 Benzene	78	10.797	10.797	(0.949)	2047540	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	1073634	2.00000	1.8(A)
	46 n-Heptane	43	11.022	11.033	(0.969)	903248	2.00000	1.6(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7125699	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	1072880	2.00000	1.8(A)
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	650479	2.00000	1.8(A)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	1885287	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	1060176	2.00000	2.1(A)
	58 Toluene	92	13.531	13.536	(0.873)	1549879	2.00000	1.9(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	1180241	2.00000	2.3(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	743718	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	1944118	2.00000	2.1(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	2207808	2.00000	2.2(A)
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	1554802	2.00000	2.2(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6591126	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	3525596	2.00000	2.0(A)
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	2866597	4.00000	4.5(A)
M	70 Xylene, Total	106				4264637	6.00000	6.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	1398040	2.00000	2.3(A)
	73 Bromoform	173	16.602	16.607	(1.071)	2407376	2.00000	2.5(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1630826	2.00000	2.5(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	3934597	2.00000	3.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	3331755	2.00000	3.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: efv013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 20:10
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57137/3	efv004.d
Level 2	IC 200-57137/4	efv005.d
Level 3	IC 200-57137/5	efv006.d
Level 4	IC 200-57137/6	efv007.d
Level 5	ICIS 200-57137/7	efv008.d
Level 6	IC 200-57137/8	efv009.d
Level 7	IC 200-57137/9	efv010.d
Level 8	IC 200-57137/10	efv011.d
Level 9	IC 200-57137/11	efv012.d
Level 10	IC 200-57137/12	efv013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane		1.8307				Ave		1.7781				10.6		30.0			
1,2-Dichlorotetrafluoroethane		1.4532				Ave		1.5048				8.0		30.0			
Chloromethane	0.2828	0.2603	0.2536	0.3248 0.2373	0.3088 0.2350	Ave		0.2718				12.8		30.0			
Vinyl chloride	0.3492	+++++	0.3704 0.3423	0.4059 +++++	0.3518 +++++	Ave		0.3670				6.6		30.0			
1,3-Butadiene	0.2198	+++++	0.2086	0.2635 +++++	0.2295 +++++	Ave		0.2468				15.8		30.0			
Bromomethane		0.6335	0.5270			Ave		0.5329				11.4		30.0			
Chloroethane		0.2552				Ave		0.2036				16.8		30.0			
Bromoethene(Vinyl Bromide)	0.5739	+++++	0.6615 0.5206	0.6656 +++++	0.5734 +++++	Ave		0.6211				12.6		30.0			
Trichlorofluoromethane	2.0379	1.9264	1.9153			Ave		1.9994				5.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.1775			Ave		1.2605				5.6		30.0			
1,1-Dichloroethene	0.6348 0.5028	0.6252 +++++	0.5196 0.5153	0.5505 +++++	0.5458 +++++	Ave		0.5563				9.6		30.0			
3-Chloropropene	0.4652	0.5770 +++++	0.4796 0.4107	0.5174 +++++	0.4891 +++++	Ave		0.4898				11.3		30.0			
Methylene Chloride	0.5455	0.4538	0.4627	0.7094 0.4227	0.6126 0.4178	Ave		0.5178				21.3		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.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Methyl tert-butyl ether	1.3472	+++++	1.1508	1.2796 +++++	1.3392 +++++	Ave		1.3151				12.0		30.0			
trans-1,2-Dichloroethene		0.8153	0.7152			Ave		0.7693				7.6		30.0			
n-Hexane		0.8696				Ave		0.7178				12.0		30.0			
1,1-Dichloroethane	1.0162 0.9499	+++++	0.8395	1.0313 +++++	0.9952 +++++	Ave		0.9462				7.8		30.0			
cis-1,2-Dichloroethene	0.6144 0.5472	+++++	0.5415 0.5109	0.5590 +++++	0.5532 +++++	Ave		0.5573				5.7		30.0			
Chloroform		1.3221				Ave		1.3727				10.0		30.0			
Cyclohexane	0.1404	0.1564 +++++	0.1391 0.1427	0.1560 +++++	0.1413 +++++	Ave		0.1466				5.1		30.0			
1,1,1-Trichloroethane		0.3507	0.3210			Ave		0.3458				7.3		30.0			
Carbon tetrachloride	0.4109					Ave		0.3958				5.4		30.0			
2,2,4-Trimethylpentane	0.4109	+++++	0.3814	0.4423 +++++	0.4088 +++++	Ave		0.3955				7.3		30.0			
Benzene	0.4196 0.3065	+++++	0.3087 0.2729	0.3338 +++++	0.3060 +++++	Ave		0.3301				14.6		30.0			
1,2-Dichloroethane	0.1756	+++++	0.1479	0.1923 +++++	0.1795 +++++	Ave		0.1683				10.0		30.0			
Trichloroethene	0.1574	+++++	0.1413	0.1701 +++++	0.1538 +++++	Ave		0.1624				10.4		30.0			
1,2-Dichloropropane		0.1026	0.0984			Ave		0.1015				8.2		30.0			
Bromodichloromethane		0.2699				Ave		0.2792				8.3		30.0			
Toluene	0.2497	+++++	0.2316 0.2118	0.2538 +++++	0.2496 +++++	Ave		0.2440				7.7		30.0			
trans-1,3-Dichloropropene	0.1600	+++++	0.1263 0.1401	0.1537 +++++	0.1501 +++++	Ave		0.1440				11.3		30.0			
1,1,2-Trichloroethane		0.1196				Ave		0.1256				13.2		30.0			
Tetrachloroethene		0.2799	0.2574			Ave		0.2830				8.2		30.0			
Dibromochloromethane	0.3531 0.3184	+++++	0.2946 0.2947	0.3137 +++++	0.3138 +++++	Ave		0.3094				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.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dibromoethane	0.2314 0.2222	+++++	0.2030	0.2204 +++++	0.2216 +++++	Ave		0.2142				5.9		30.0			
Chlorobenzene	0.3617	0.3086	0.3492 0.3175	0.4248 0.3329	0.3640 0.3548	Ave		0.3517				10.2		30.0			
Ethylbenzene	0.5563	0.4770	0.4944			Ave		0.5265				7.8		30.0			
m-Xylene & p-Xylene		0.1630				Ave		0.1913				9.7		30.0			
o-Xylene		0.1700				Ave		0.1862				10.9		30.0			
Bromoform	0.3252	+++++	0.3053	0.2894 +++++	0.3017 +++++	Ave		0.2880				10.5		30.0			
1,1,2,2-Tetrachloroethane	0.2186 0.2215	+++++	0.1609 0.2120	0.1812 +++++	0.2158 +++++	Ave		0.1958				14.0		30.0			
1,3,5-Trimethylbenzene	0.4199	+++++	0.2816 +++++	0.3128 +++++	0.3761 +++++	Ave		0.3320				19.3		30.0			
1,2,4-Trimethylbenzene	0.3677	0.3539	0.2513 0.3813	0.2545 0.4135	0.3158 0.4629	Ave		0.3501				21.1		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57137/3	efv004.d
Level 2	IC 200-57137/4	efv005.d
Level 3	IC 200-57137/5	efv006.d
Level 4	IC 200-57137/6	efv007.d
Level 5	ICIS 200-57137/7	efv008.d
Level 6	IC 200-57137/8	efv009.d
Level 7	IC 200-57137/9	efv010.d
Level 8	IC 200-57137/10	efv011.d
Level 9	IC 200-57137/11	efv012.d
Level 10	IC 200-57137/12	efv013.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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave		24279					0.0200			
1,2-Dichlorotetrafluoroethane	BCM	Ave		19272					0.0200			
Chloromethane	BCM	Ave	87303	126886	173634	18686 253795	37943 338245	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Vinyl chloride	BCM	Ave	107828	+++++	9426 234302	23350 +++++	43222 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	67850	+++++	142807	15160 +++++	28195 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave		8402	13409				0.0200	0.0400		
Chloroethane	BCM	Ave		3384					0.0200			
Bromoethene(Vinyl Bromide)	BCM	Ave	177198	+++++	16831 356408	38291 +++++	70441 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	12985	25548	48736			0.0100	0.0200	0.0400		
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave			29961					0.0400		
1,1-Dichloroethene	BCM	Ave	4045 155227	8292 +++++	13221 352755	31671 +++++	67060 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	143634	7652 +++++	12203 281189	29766 +++++	60089 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	168425	221191	316737	40812 452079	75267 601453	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	415958	+++++	787815	73615 +++++	164529 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	BCM	Ave		10813	18199				0.0200	0.0400		
n-Hexane	BCM	Ave		11533					0.0200			
1,1-Dichloroethane	BCM	Ave	6475 293299	+++++	574716	59335 +++++	122266 +++++	0.0100 0.500	+++++	1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	3915 168962	+++++	13778 349746	32161 +++++	67965 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave		17534					0.0200			
Cyclohexane	DFB	Ave	215684	9938 +++++	17038 484105	43343 +++++	84106 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave		22280	39317				0.0200	0.0400		
Carbon tetrachloride	DFB	Ave	12503					0.0100				
2,2,4-Trimethylpentane	DFB	Ave	631114	+++++	1293860	122910 +++++	243304 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	12767 470759	+++++	37814 925807	92753 +++++	182141 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	269730	+++++	501777	53437 +++++	106844 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	241749	+++++	479172	47272 +++++	91519 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave		6516	12048				0.0200	0.0400		
Bromodichloromethane	DFB	Ave		17149					0.0200			
Toluene	CBZ	Ave	352398	+++++	24571 665739	61996 +++++	135205 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	245743	+++++	15475 475095	42717 +++++	89320 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave		6567					0.0200			
Tetrachloroethene	CBZ	Ave		15371	27306				0.0200	0.0400		
Dibromochloromethane	CBZ	Ave	9471 449313	+++++	31262 926369	76623 +++++	169964 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	6207 313539	+++++	638007	53840 +++++	120014 +++++	0.0100 0.500	+++++	1.00	0.100 +++++	0.200 +++++
Chlorobenzene	CBZ	Ave	510309	688019	37053 998035	103773 1635274	197150 2338554	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Ethylbenzene	CBZ	Ave	14921	26197	52451			0.0100	0.0200	0.0400		
m-Xylene & p-Xylene	CBZ	Ave		17909					0.0400			
o-Xylene	CBZ	Ave		9336					0.0200			
Bromoform	CBZ	Ave	458901	+++++	959494	70696 +++++	163433 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	5863 312547	+++++	17068 666517	44274 +++++	116901 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	592477	+++++	29878 +++++	76398 +++++	203713 +++++	0.500	+++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,2,4-Trimethylbenzene	CBZ	Ave	518829	788911	26667 1198361	62172 2031249	171039 3050724	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv004.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 11:51
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:26 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 11:51 Cal File: efv004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	13606	0.01000	0.012
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	10914	0.01000	0.011
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.746	3.746	(0.377)	3643	0.01000	0.016(a)
8 1,3-Butadiene	54	3.816	3.805	(0.384)	1602	0.01000	0.010(a)
9 Bromomethane	94	4.404	4.415	(0.444)	4681	0.01000	0.014(aQM)
10 Chloroethane	64	4.613	4.618	(0.465)	2301	0.01000	0.018(a)
12 Vinyl bromide	106	4.993	4.993	(0.503)	6544	0.01000	0.016(a)
13 Trichlorofluoromethane	101	5.084	5.095	(0.512)	12985	0.01000	0.010
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.223	(0.625)	9746	0.01000	0.012(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	4045	0.01000	0.011(M)
22 Allyl chloride	41	7.069	7.074	(0.712)	3141	0.01000	0.010(a)
25 Methylene chloride	49	7.363	7.368	(0.742)	12368	0.01000	0.037(a)
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	5382	0.01000	0.011

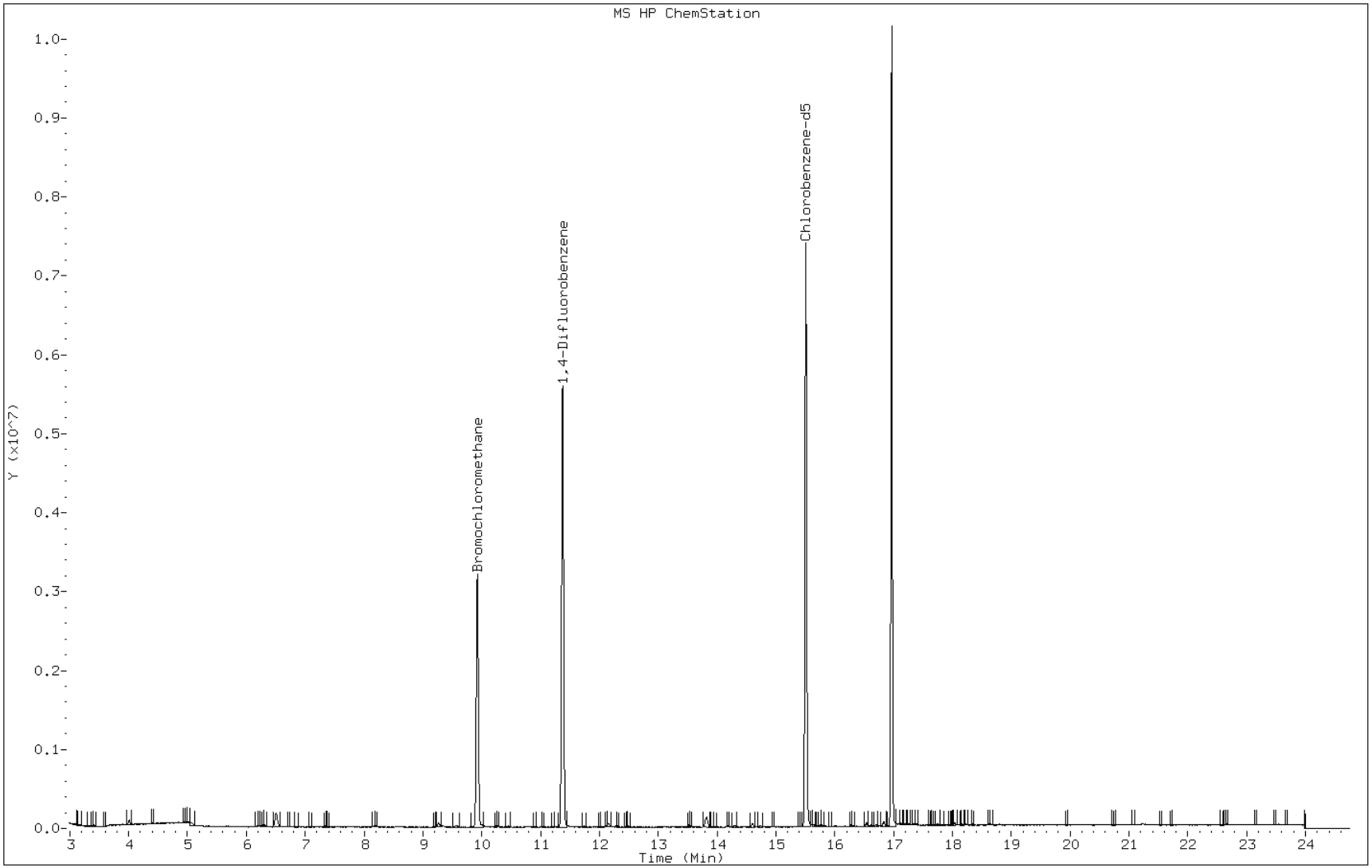
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	10401	0.01000	0.012
	30 n-Hexane	57	8.160	8.155	(0.822)	4166	0.01000	0.0091(a)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	6475	0.01000	0.011
M	33 1,2-Dichloroethene, Total	61				9297	0.02000	0.022
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	3915	0.01000	0.011
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1274321	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	10345	0.01000	0.012
	40 Cyclohexane	84	10.257	10.252	(0.902)	4575	0.01000	0.010(M)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	11068	0.01000	0.010(Q)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	12503	0.01000	0.010
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	12149	0.01000	0.010
	44 Benzene	78	10.797	10.797	(0.949)	12767	0.01000	0.013
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	5726	0.01000	0.011(a)
	46 n-Heptane	43	11.033	11.033	(0.970)	5546	0.01000	0.012
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6085666	2.00000	
	49 Trichloroethene	95	11.744	11.734	(1.032)	5944	0.01000	0.012
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	3698	0.01000	0.012(aQM)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	9716	0.01000	0.011
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	4981	0.01000	0.011
	58 Toluene	92	13.536	13.536	(0.873)	7284	0.01000	0.011(Q)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	4840	0.01000	0.011
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	4105	0.01000	0.012(Q)
	61 Tetrachloroethene	166	14.307	14.301	(0.923)	8786	0.01000	0.012
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	9471	0.01000	0.011
	64 1,2-Dibromoethane	107	14.943	14.933	(0.964)	6207	0.01000	0.011
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5364128	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	11890	0.01000	0.013(aQM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	14921	0.01000	0.010
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	10443	0.02000	0.020
M	70 Xylene, Total	106				15935	0.03000	0.031
	71 Xylene (o)	106	16.286	16.281	(1.050)	5492	0.01000	0.011(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	8086	0.01000	0.010(M)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	5863	0.01000	0.011
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	9843	0.01000	0.0091(a)
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	9372	0.01000	0.010(a)
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	8905	0.01000	0.0095(aQM)

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: efv004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 11:51
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 06/17/2013

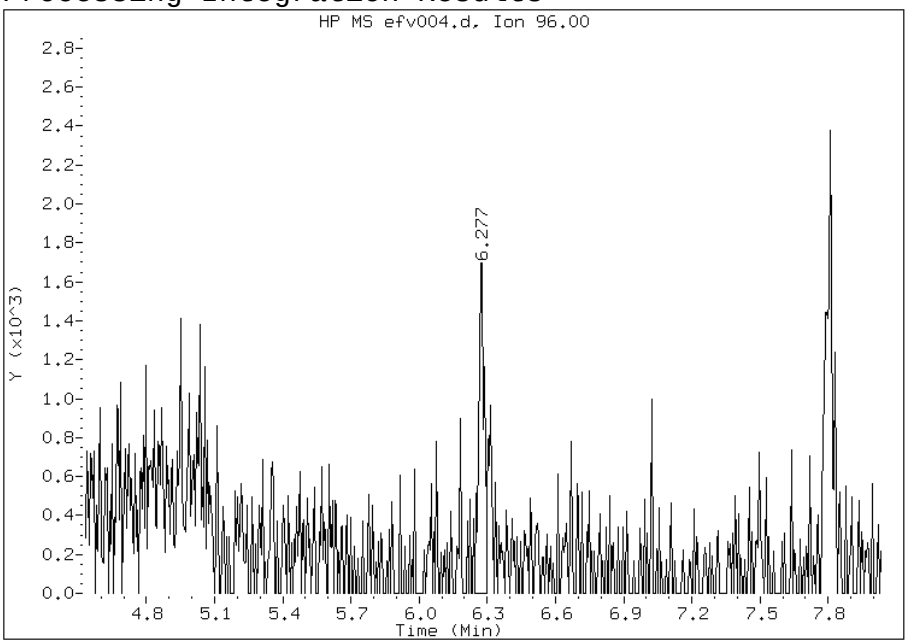
Processing Integration Results

RT: 6.28

Response: 2987

Amount: 0.008803

Conc: 0.008803



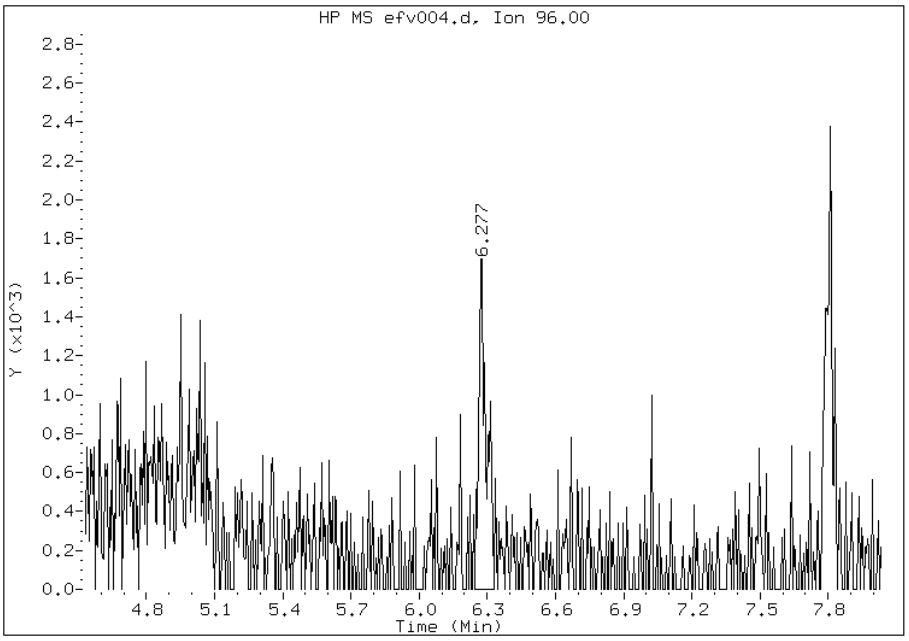
Manual Integration Results

RT: 6.28

Response: 4045

Amount: 0.011412

Conc: 0.011412



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv005.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 12:46
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 12:46 Cal File: efv005.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	24279	0.02000	0.020
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	19272	0.02000	0.019
5 Chloromethane	50	3.533	3.543	(0.356)	6385	0.02000	0.035(aQM)
7 Vinyl chloride	62	3.736	3.746	(0.376)	5072	0.02000	0.021
8 1,3-Butadiene	54	3.816	3.805	(0.384)	4191	0.02000	0.026
9 Bromomethane	94	4.415	4.415	(0.445)	8402	0.02000	0.024
10 Chloroethane	64	4.608	4.618	(0.464)	3384	0.02000	0.025(QM)
12 Vinyl bromide	106	4.993	4.993	(0.503)	9706	0.02000	0.024
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	25548	0.02000	0.019
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	17754	0.02000	0.021(a)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	8292	0.02000	0.022(Q)
22 Allyl chloride	41	7.079	7.074	(0.713)	7652	0.02000	0.024
25 Methylene chloride	49	7.363	7.368	(0.742)	16244	0.02000	0.047(a)
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	10813	0.02000	0.021

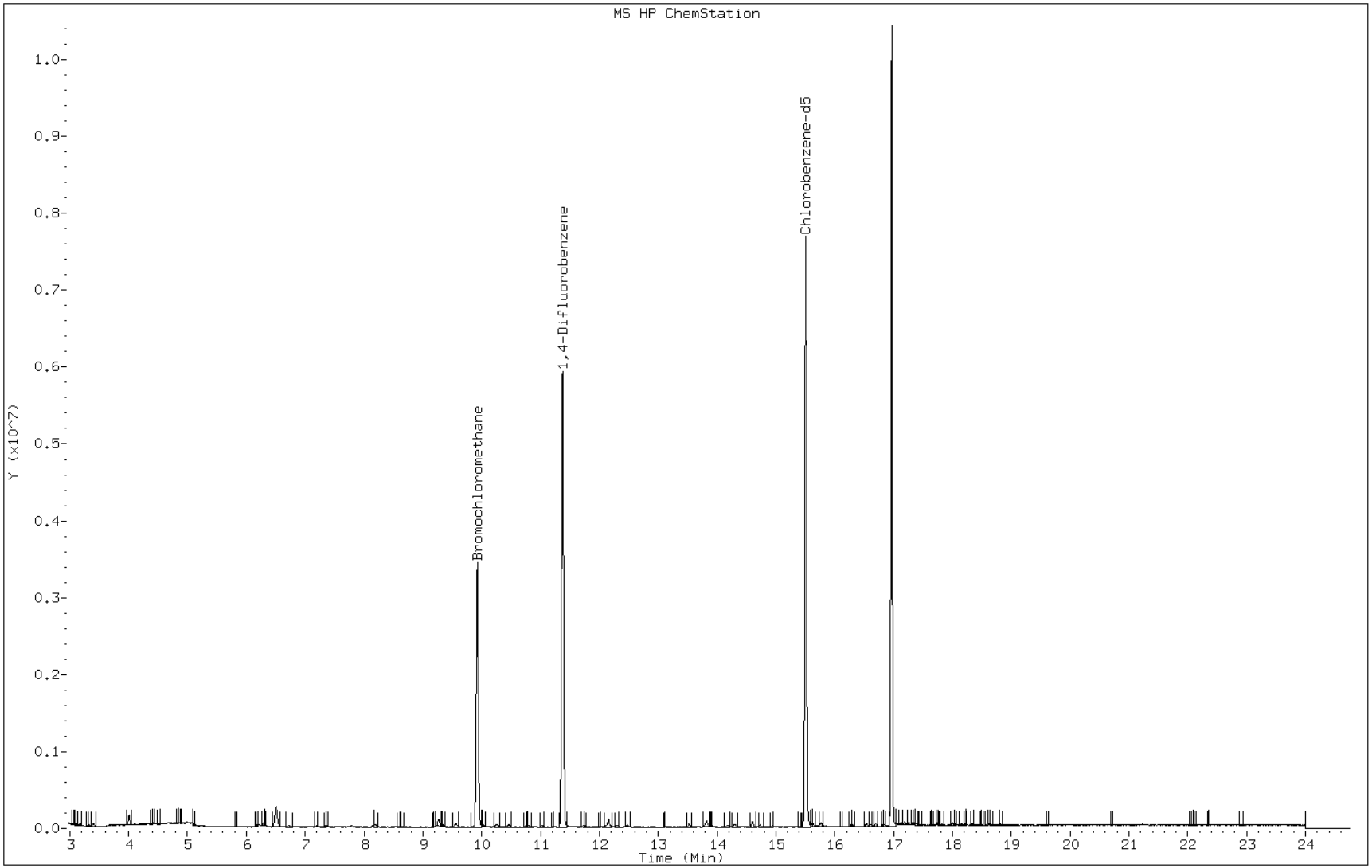
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	16918	0.02000	0.019(M)
	30 n-Hexane	57	8.144	8.155	(0.820)	11533	0.02000	0.024
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	12210	0.02000	0.019
M	33 1,2-Dichloroethene, Total	61				18435	0.04000	0.042
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	7622	0.02000	0.021
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1326198	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	17534	0.02000	0.019
	40 Cyclohexane	84	10.262	10.252	(0.902)	9938	0.02000	0.021
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	22280	0.02000	0.020
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	26424	0.02000	0.021
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	23171	0.02000	0.018
	44 Benzene	78	10.797	10.797	(0.949)	23055	0.02000	0.022
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	10168	0.02000	0.019(a)
	46 n-Heptane	43	11.027	11.033	(0.969)	11211	0.02000	0.023
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6352780	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	10302	0.02000	0.020
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	6516	0.02000	0.020(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	17149	0.02000	0.019
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	8416	0.02000	0.018
	58 Toluene	92	13.531	13.536	(0.873)	13169	0.02000	0.020
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	7543	0.02000	0.016
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	6567	0.02000	0.019(M)
	61 Tetrachloroethene	166	14.296	14.301	(0.922)	15371	0.02000	0.020
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	15246	0.02000	0.018
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	10922	0.02000	0.018
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5492158	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	20206	0.02000	0.021(aQM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	26197	0.02000	0.018
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	17909	0.04000	0.034
M	70 Xylene, Total	106				27245	0.06000	0.052
	71 Xylene (o)	106	16.281	16.281	(1.050)	9336	0.02000	0.018(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	13495	0.02000	0.017
	75 1,1,2,2-Tetrachloroethane	83	17.131	17.126	(1.105)	8806	0.02000	0.016
	79 4-Ethyltoluene	105	17.319	17.313	(1.117)	19314	0.02000	0.018
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	14815	0.02000	0.016(a)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	11453	0.02000	0.012(aQM)

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: efv005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 12:46
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 10 Chloroethane
CAS #: 75-00-3
Report Date: 06/17/2013

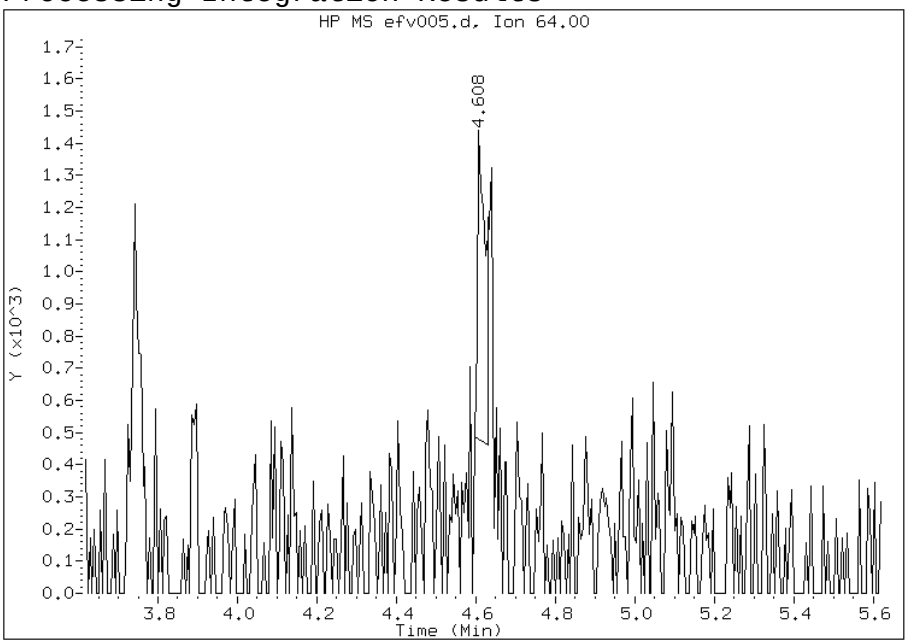
Processing Integration Results

RT: 4.61

Response: 1286

Amount: 0.013422

Conc: 0.013422



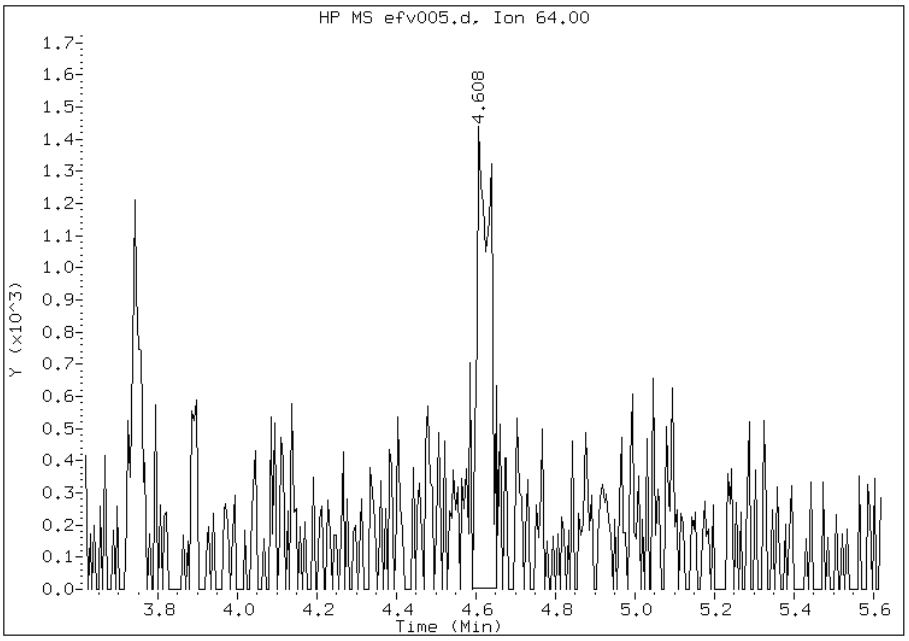
Manual Integration Results

RT: 4.61

Response: 3384

Amount: 0.025065

Conc: 0.025065



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 06/17/2013

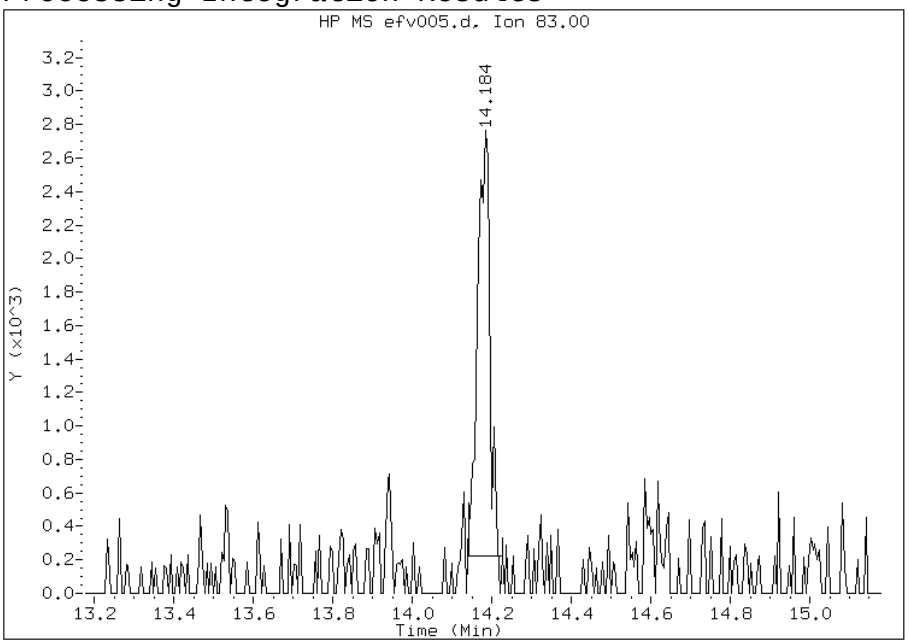
Processing Integration Results

RT: 14.18

Response: 5416

Amount: 0.016087

Conc: 0.016087



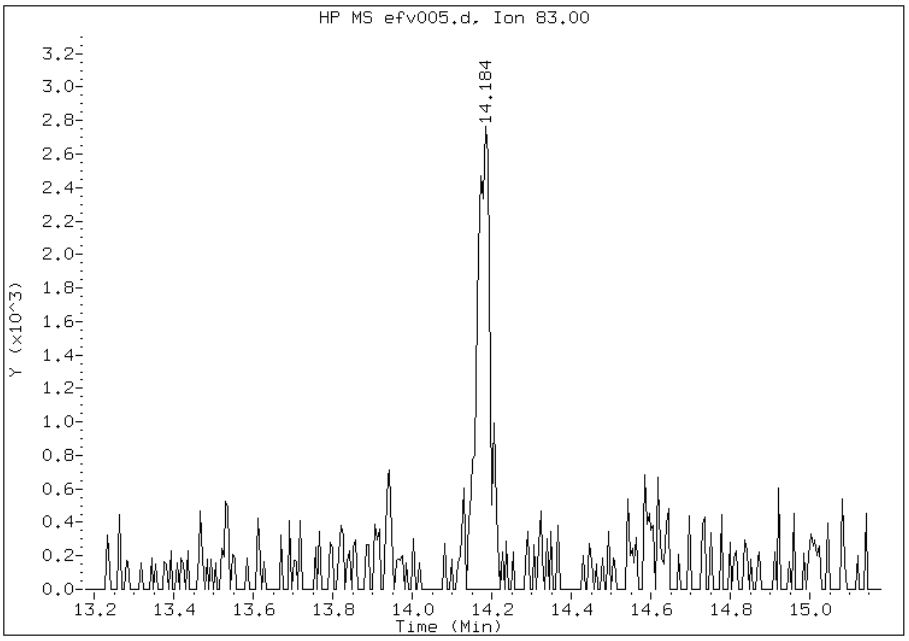
Manual Integration Results

RT: 14.18

Response: 6567

Amount: 0.019041

Conc: 0.019041



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv006.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 13:41
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 13:41 Cal File: efv006.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	44743	0.04000	0.040
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	36132	0.04000	0.038
5 Chloromethane	50	3.527	3.543	(0.355)	10197	0.04000	0.059(aQM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	9426	0.04000	0.040
8 1,3-Butadiene	54	3.805	3.805	(0.383)	6191	0.04000	0.039
9 Bromomethane	94	4.405	4.415	(0.444)	13409	0.04000	0.040
10 Chloroethane	64	4.619	4.618	(0.465)	5571	0.04000	0.043
12 Vinyl bromide	106	4.982	4.993	(0.502)	16831	0.04000	0.042
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	48736	0.04000	0.038
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.224	6.223	(0.627)	29961	0.04000	0.037(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	13221	0.04000	0.037
22 Allyl chloride	41	7.085	7.074	(0.714)	12203	0.04000	0.039
25 Methylene chloride	49	7.368	7.368	(0.742)	23399	0.04000	0.071(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.807	(0.785)	18199	0.04000	0.037

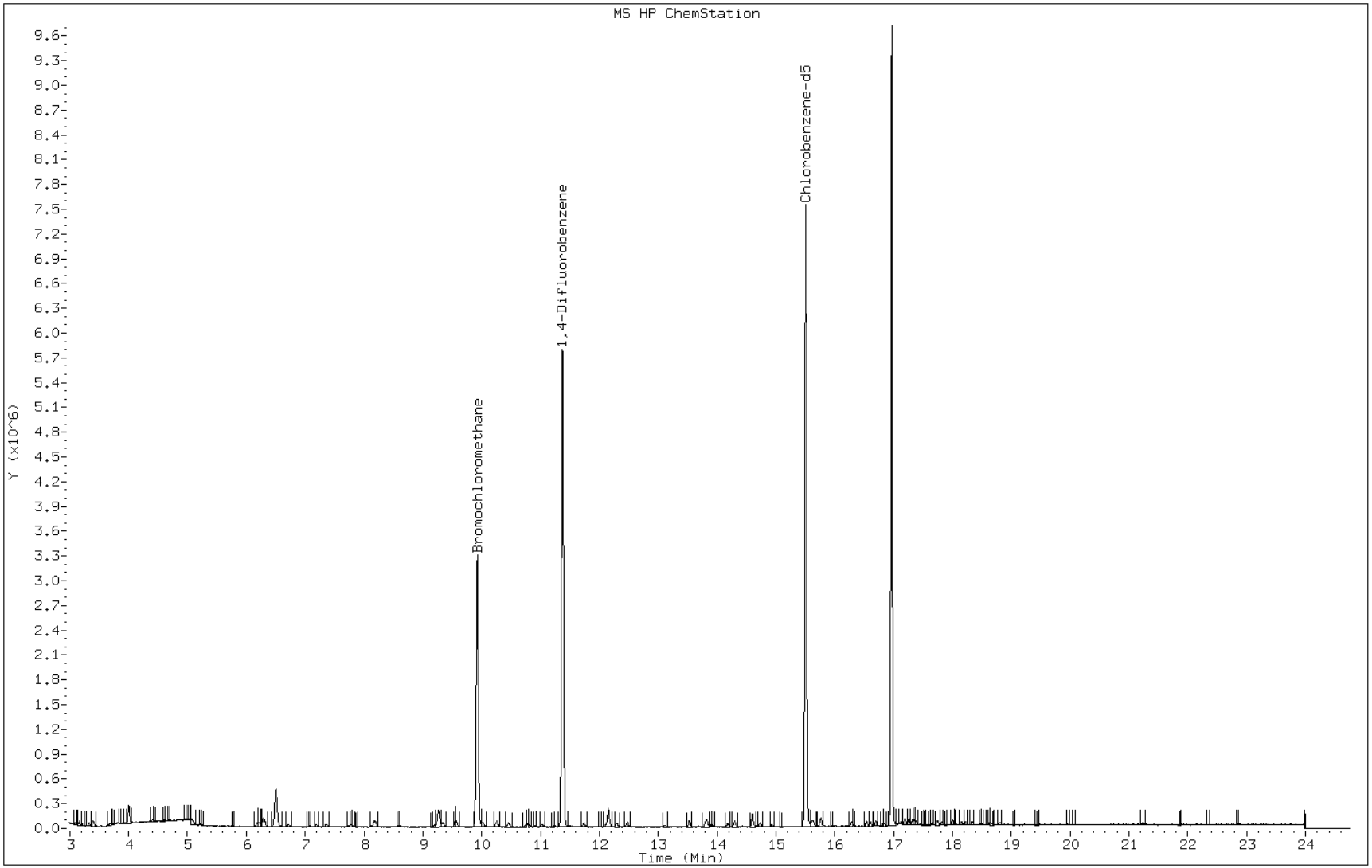
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	30054	0.04000	0.036(Q)
	30 n-Hexane	57	8.149	8.155	(0.821)	19199	0.04000	0.042
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	22143	0.04000	0.037
M	33 1,2-Dichloroethene, Total	61				31977	0.08000	0.076
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	13778	0.04000	0.039
*	36 Bromochloromethane	128	9.926	9.925	(1.000)	1272274	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	32507	0.04000	0.037
	40 Cyclohexane	84	10.252	10.252	(0.901)	17038	0.04000	0.038
	41 1,1,1-Trichloroethane	97	10.263	10.252	(0.902)	39317	0.04000	0.037
	42 Carbon tetrachloride	117	10.455	10.460	(0.919)	44636	0.04000	0.037
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	44235	0.04000	0.036
	44 Benzene	78	10.798	10.797	(0.949)	37814	0.04000	0.037
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	18922	0.04000	0.037
	46 n-Heptane	43	11.033	11.033	(0.970)	18381	0.04000	0.039
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6124979	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	19217	0.04000	0.039
	50 1,2-Dichloropropane	63	12.103	12.108	(1.064)	12048	0.04000	0.039(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	31172	0.04000	0.036
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	14843	0.04000	0.034
	58 Toluene	92	13.526	13.536	(0.872)	24571	0.04000	0.038
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	15475	0.04000	0.035
	60 1,1,2-Trichloroethane	83	14.173	14.178	(0.914)	12506	0.04000	0.038
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	27306	0.04000	0.036
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	31262	0.04000	0.038
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	21391	0.04000	0.038
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5304994	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	37053	0.04000	0.040(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	52451	0.04000	0.038
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	36774	0.08000	0.072
M	70 Xylene, Total	106				52685	0.12000	0.10
	71 Xylene (o)	106	16.281	16.281	(1.050)	15911	0.04000	0.032
	73 Bromoform	173	16.607	16.607	(1.071)	26249	0.04000	0.034
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	17068	0.04000	0.033
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	37765	0.04000	0.035
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	29878	0.04000	0.034
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	26667	0.04000	0.029(aQM)

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: efv006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 13:41
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



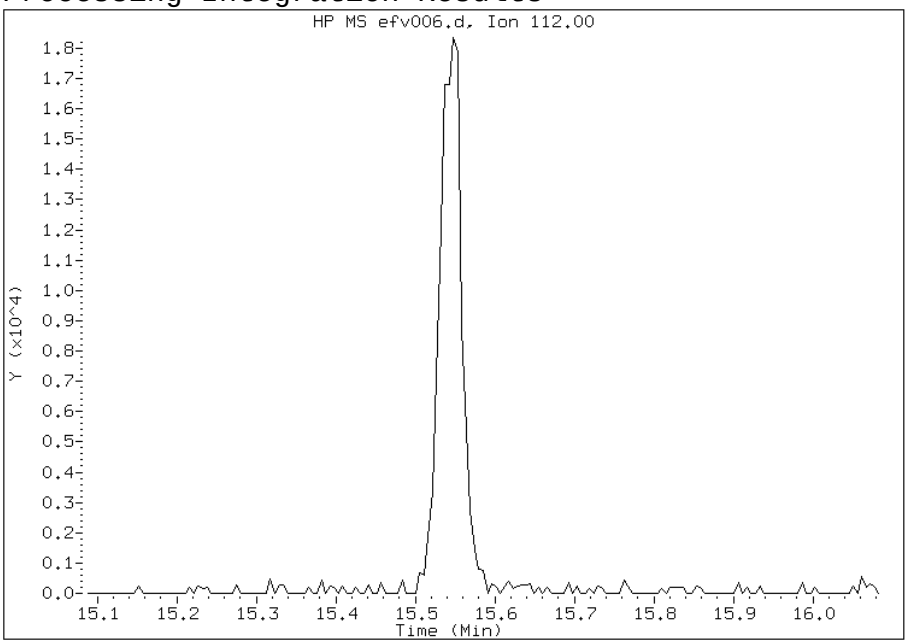
Manual Integration Report

Data File: efv006.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 13:41
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



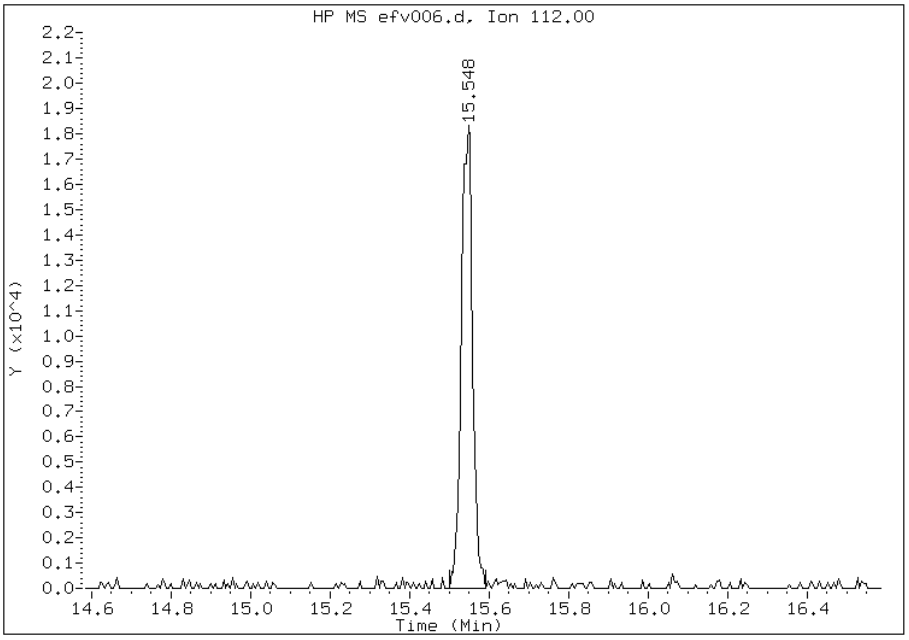
Manual Integration Results

RT: 15.55

Response: 37053

Amount: 0.039720

Conc: 0.039720



File Uploaded By: wrd
Manual Integration Reason: Analyte misidentified by the data system

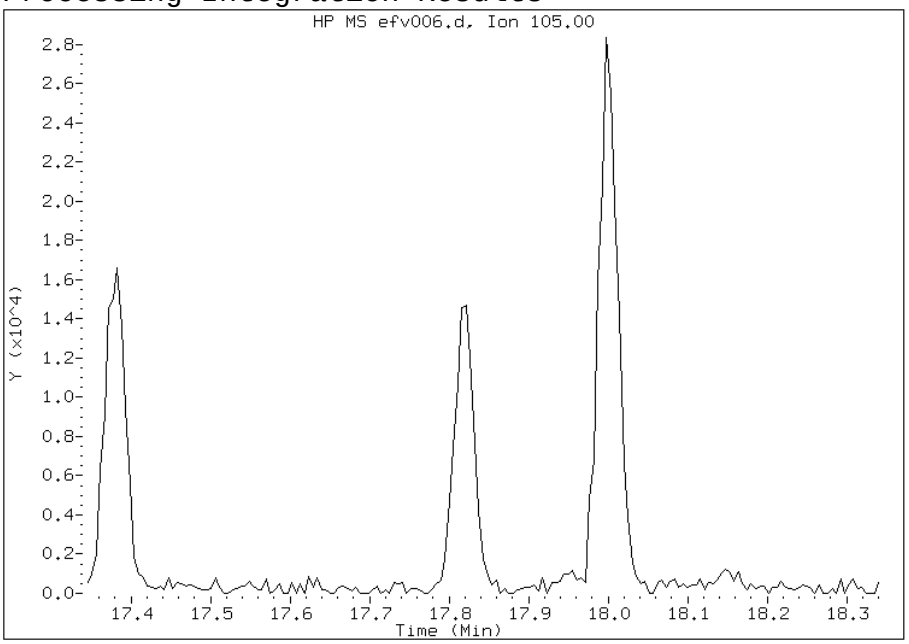
Manual Integration Report

Data File: efv006.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 13:41
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



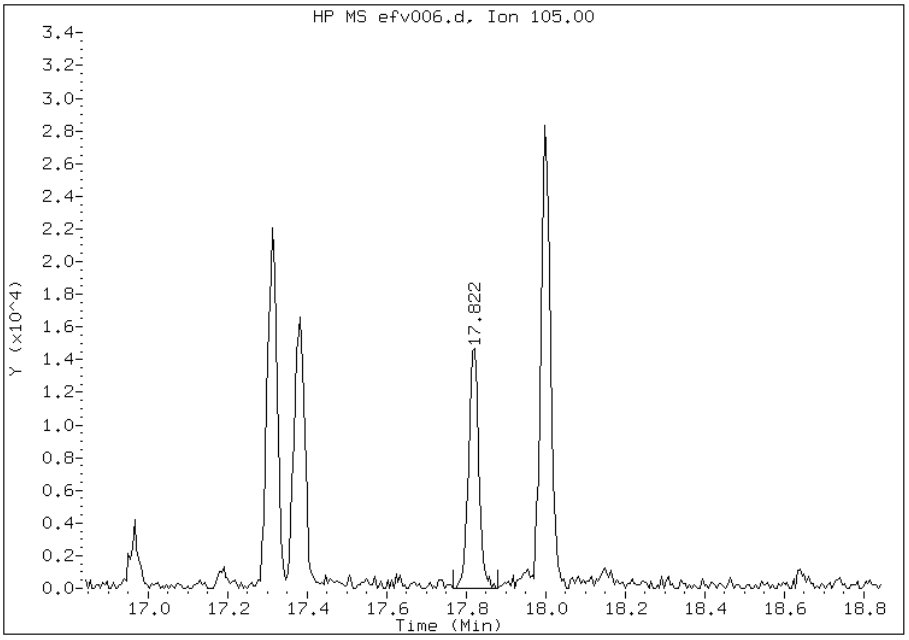
Manual Integration Results

RT: 17.82

Response: 26667

Amount: 0.028716

Conc: 0.028716



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv007.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 14:37
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 14:37 Cal File: efv007.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

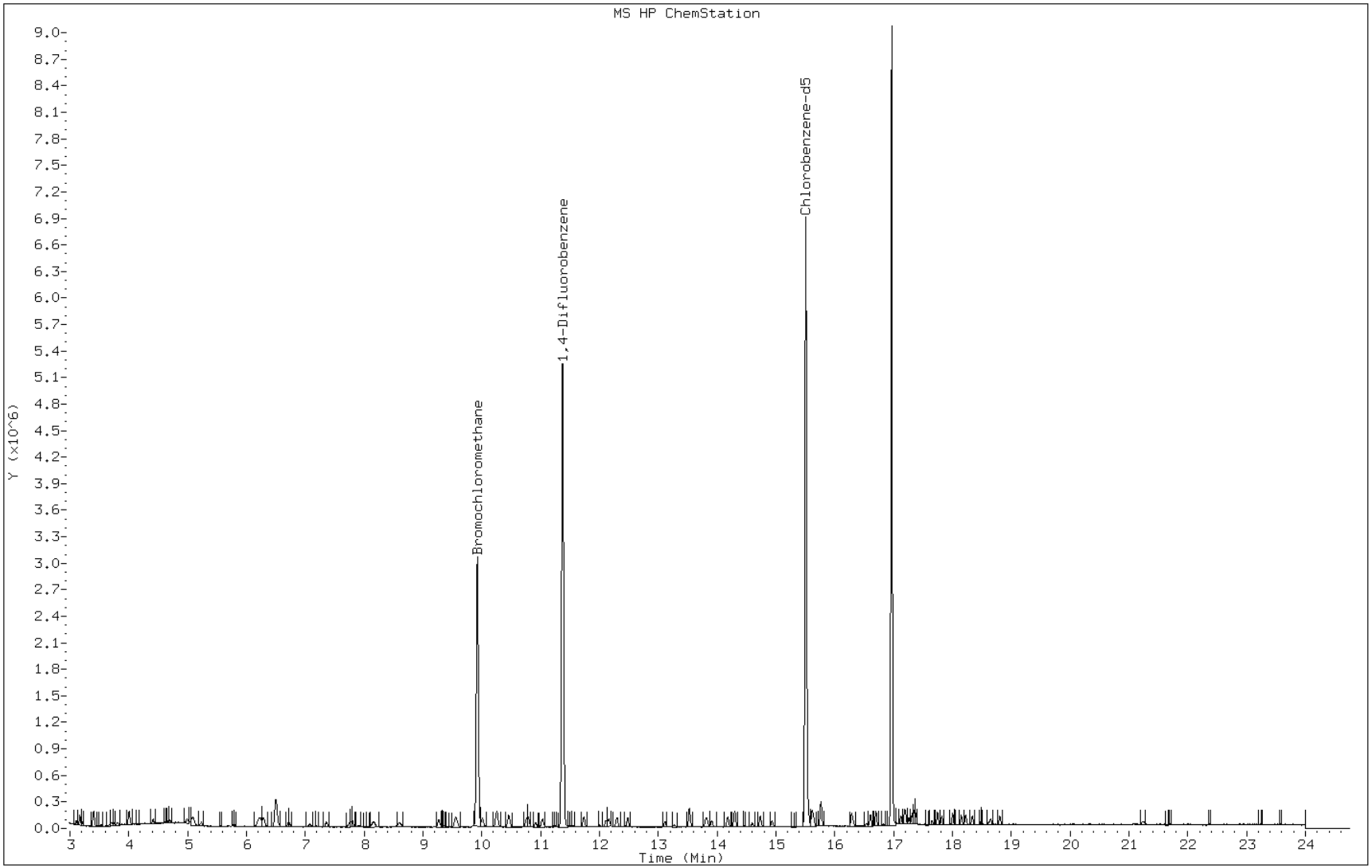
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	104846	0.10000	0.10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	93237	0.10000	0.11
5 Chloromethane	50	3.532	3.543	(0.356)	18686	0.10000	0.12(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	23350	0.10000	0.11
8 1,3-Butadiene	54	3.805	3.805	(0.383)	15160	0.10000	0.11
9 Bromomethane	94	4.415	4.415	(0.445)	32813	0.10000	0.11
10 Chloroethane	64	4.613	4.618	(0.465)	12602	0.10000	0.11
12 Vinyl bromide	106	4.993	4.993	(0.503)	38291	0.10000	0.11
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	128040	0.10000	0.11
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	78133	0.10000	0.11
19 1,1-Dichloroethene	96	6.298	6.282	(0.635)	31671	0.10000	0.099
22 Allyl chloride	41	7.079	7.074	(0.713)	29766	0.10000	0.10
25 Methylene chloride	49	7.363	7.368	(0.742)	40812	0.10000	0.14
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	47363	0.10000	0.11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	73615	0.10000	0.097
	30 n-Hexane	57	8.171	8.155	(0.823)	41436	0.10000	0.10
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	59335	0.10000	0.11
M	33 1,2-Dichloroethene, Total	61				79524	0.20000	0.21
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	32161	0.10000	0.10
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1150637	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	82205	0.10000	0.10
	40 Cyclohexane	84	10.252	10.252	(0.901)	43343	0.10000	0.11
	41 1,1,1-Trichloroethane	97	10.262	10.252	(0.902)	106899	0.10000	0.11
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	115554	0.10000	0.10
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	122910	0.10000	0.11
	44 Benzene	78	10.797	10.797	(0.949)	92753	0.10000	0.10
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	53437	0.10000	0.11
	46 n-Heptane	43	11.033	11.033	(0.970)	41118	0.10000	0.096
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5557763	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	47272	0.10000	0.10
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	30478	0.10000	0.11
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	81002	0.10000	0.10
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	41455	0.10000	0.10
	58 Toluene	92	13.536	13.536	(0.873)	61996	0.10000	0.10
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	42717	0.10000	0.11
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	34937	0.10000	0.11
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	71302	0.10000	0.10
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	76623	0.10000	0.10
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	53840	0.10000	0.10
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4885561	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	103773	0.10000	0.12(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	139099	0.10000	0.11
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	96483	0.20000	0.21
M	70 Xylene, Total	106				142443	0.30000	0.31
	71 Xylene (o)	106	16.286	16.281	(1.050)	45960	0.10000	0.10
	73 Bromoform	173	16.607	16.607	(1.071)	70696	0.10000	0.10
	75 1,1,2,2-Tetrachloroethane	83	17.121	17.126	(1.104)	44274	0.10000	0.092
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	87111	0.10000	0.089
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	76398	0.10000	0.094
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	62172	0.10000	0.073(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efv007.d	Date:	04-JUN-2013 14:37
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495526		
Lab Sample ID:	ic 495526		



Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

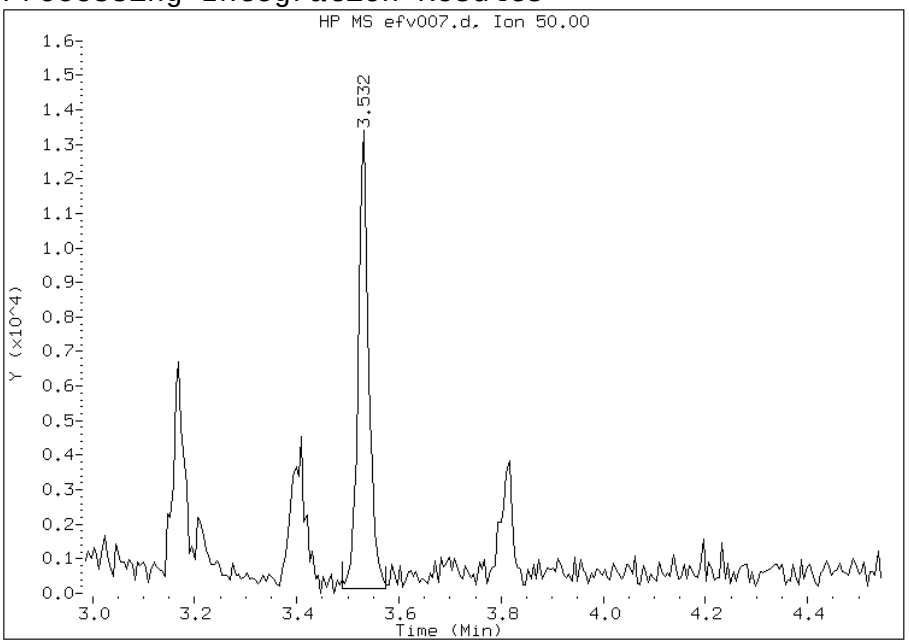
Processing Integration Results

RT: 3.53

Response: 19535

Amount: 0.100000

Conc: 0.100000



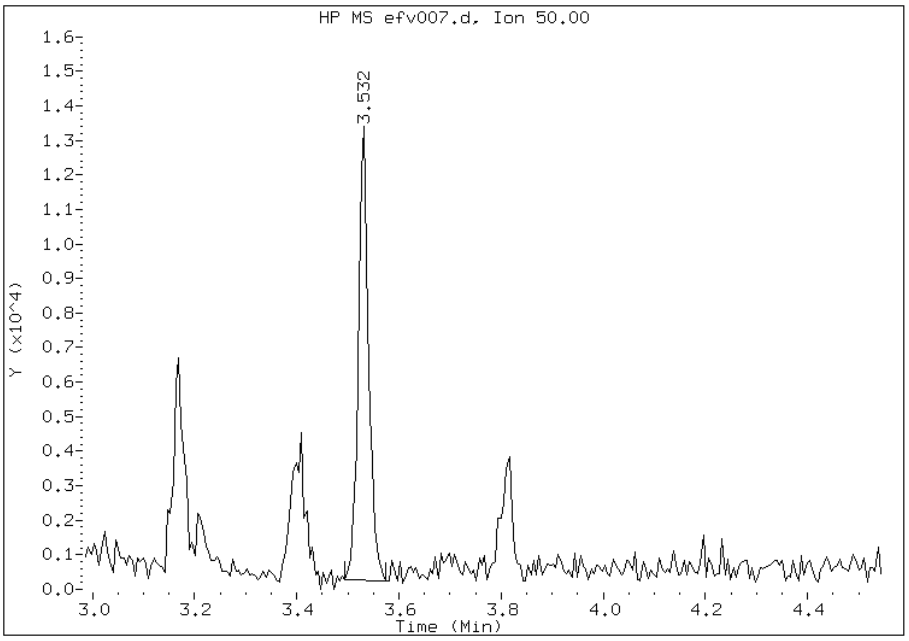
Manual Integration Results

RT: 3.53

Response: 18686

Amount: 0.119497

Conc: 0.119497



File Uploaded By: wrd
Manual Integration Reason: Baseline event

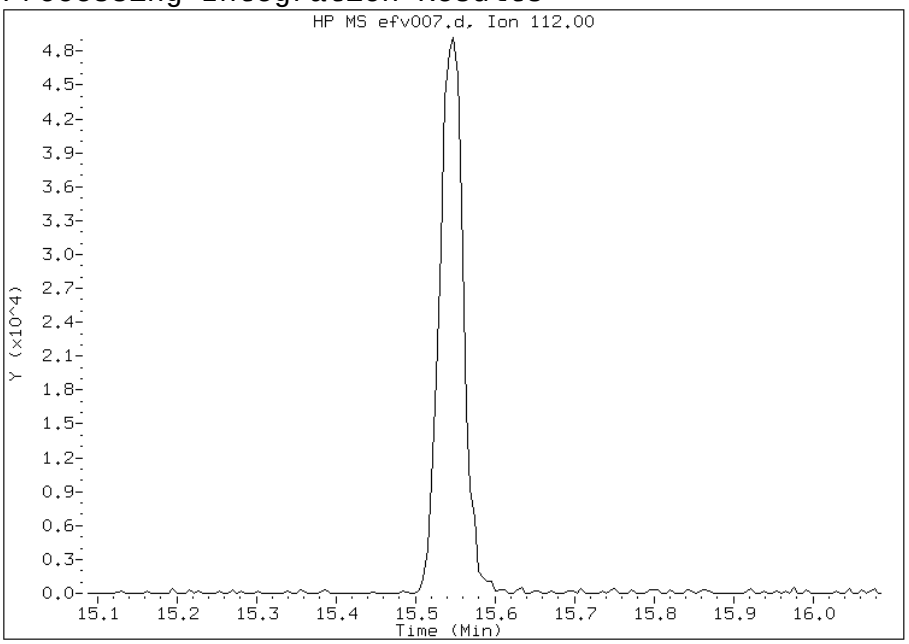
Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



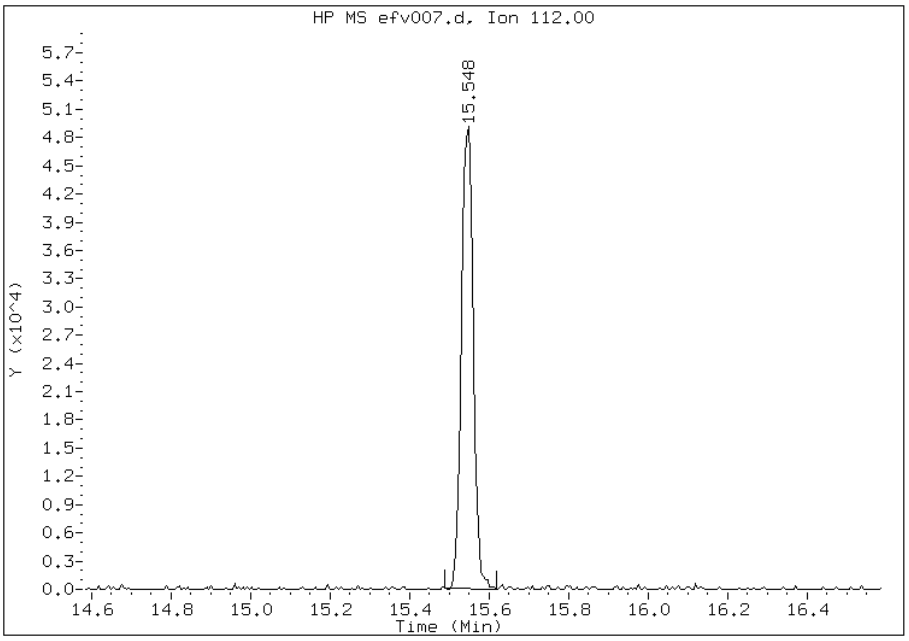
Manual Integration Results

RT: 15.55

Response: 103773

Amount: 0.120792

Conc: 0.120792



File Uploaded By: wrd
Manual Integration Reason: Baseline event

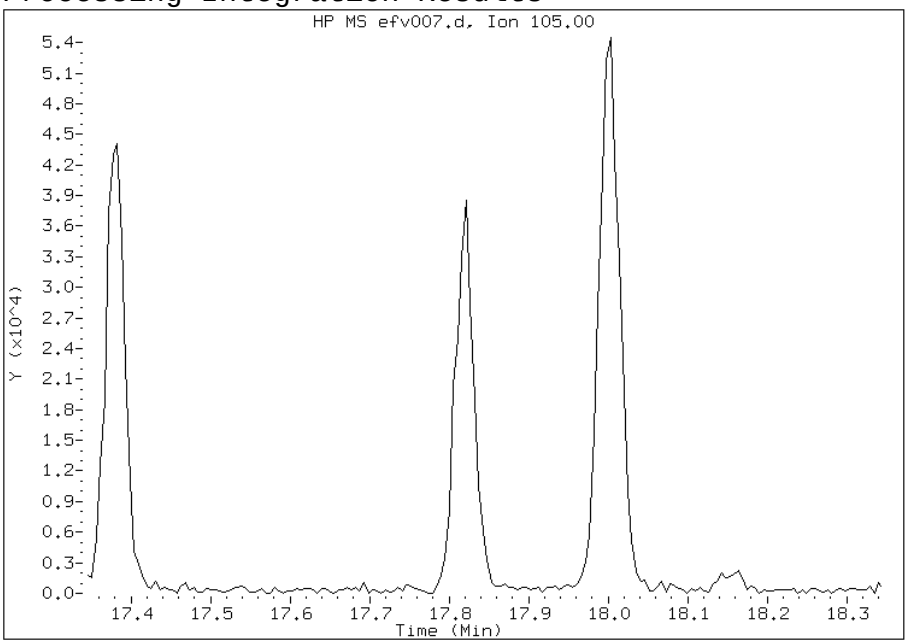
Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



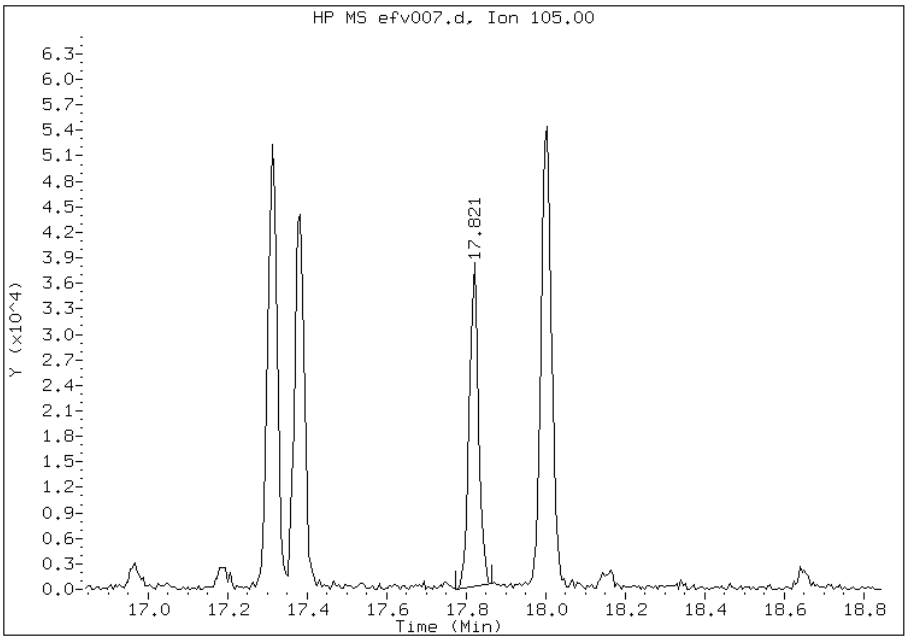
Manual Integration Results

RT: 17.82

Response: 62172

Amount: 0.072697

Conc: 0.072697



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv008.d
Lab Smp Id: icis 495526
Inj Date : 04-JUN-2013 15:32
Operator : wrd Inst ID: E.i
Smp Info : icis 495526
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 15:32 Cal File: efv008.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	210069	0.20000	0.19
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	185548	0.20000	0.20
5 Chloromethane	50	3.527	3.543	(0.355)	37943	0.20000	0.23(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	43222	0.20000	0.19
8 1,3-Butadiene	54	3.805	3.805	(0.383)	28195	0.20000	0.18
9 Bromomethane	94	4.415	4.415	(0.445)	62214	0.20000	0.19
10 Chloroethane	64	4.618	4.618	(0.465)	23592	0.20000	0.19
12 Vinyl bromide	106	4.993	4.993	(0.503)	70441	0.20000	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	249052	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	160060	0.20000	0.21
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	67060	0.20000	0.20
22 Allyl chloride	41	7.074	7.074	(0.713)	60089	0.20000	0.20
25 Methylene chloride	49	7.368	7.368	(0.742)	75267	0.20000	0.24
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	93471	0.20000	0.20

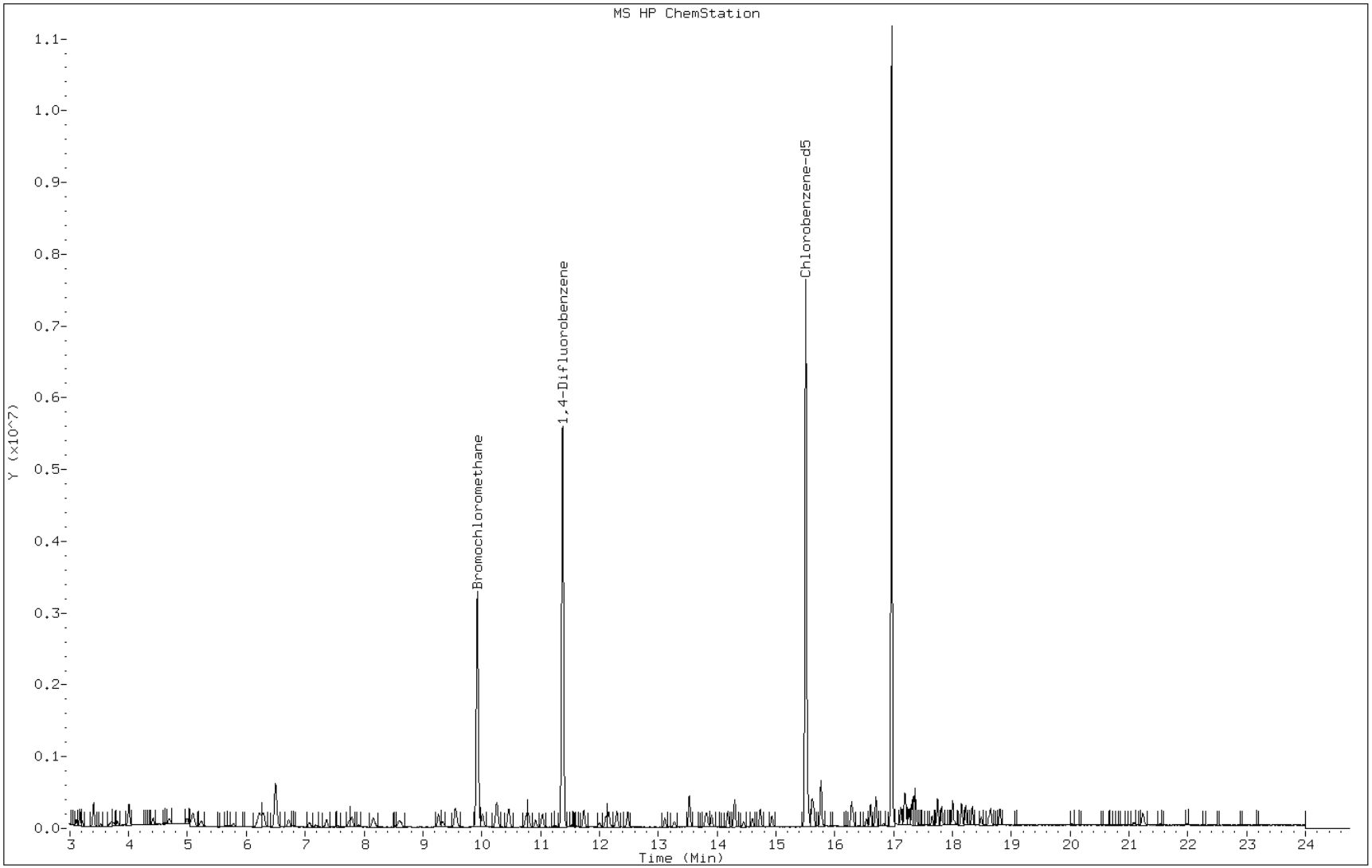
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.753	7.753	(0.781)	164529	0.20000	0.20
	30 n-Hexane	57	8.155	8.155	(0.822)	81163	0.20000	0.18
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	122266	0.20000	0.21
M	33 1,2-Dichloroethene, Total	61				161436	0.40000	0.40
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	67965	0.20000	0.20
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1228586	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	173759	0.20000	0.21
	40 Cyclohexane	84	10.252	10.252	(0.901)	84106	0.20000	0.19
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	210111	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	241852	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	243304	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.949)	182141	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	106844	0.20000	0.21
	46 n-Heptane	43	11.033	11.033	(0.970)	86535	0.20000	0.19
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5951502	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	91519	0.20000	0.19
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	64665	0.20000	0.21
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	168622	0.20000	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	89706	0.20000	0.21
	58 Toluene	92	13.536	13.536	(0.873)	135205	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	89320	0.20000	0.21
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	65475	0.20000	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	155443	0.20000	0.20
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	169964	0.20000	0.20
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	120014	0.20000	0.21
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5416411	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	197150	0.20000	0.21(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	297130	0.20000	0.21
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	219971	0.40000	0.42
M	70 Xylene, Total	106				327258	0.60000	0.64
	71 Xylene (o)	106	16.281	16.281	(1.050)	107287	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	163433	0.20000	0.21
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	116901	0.20000	0.22
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	249870	0.20000	0.23
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	203713	0.20000	0.23
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	171039	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv008.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 495526
Lab Sample ID: icis 495526

Date: 04-JUN-2013 15:32
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



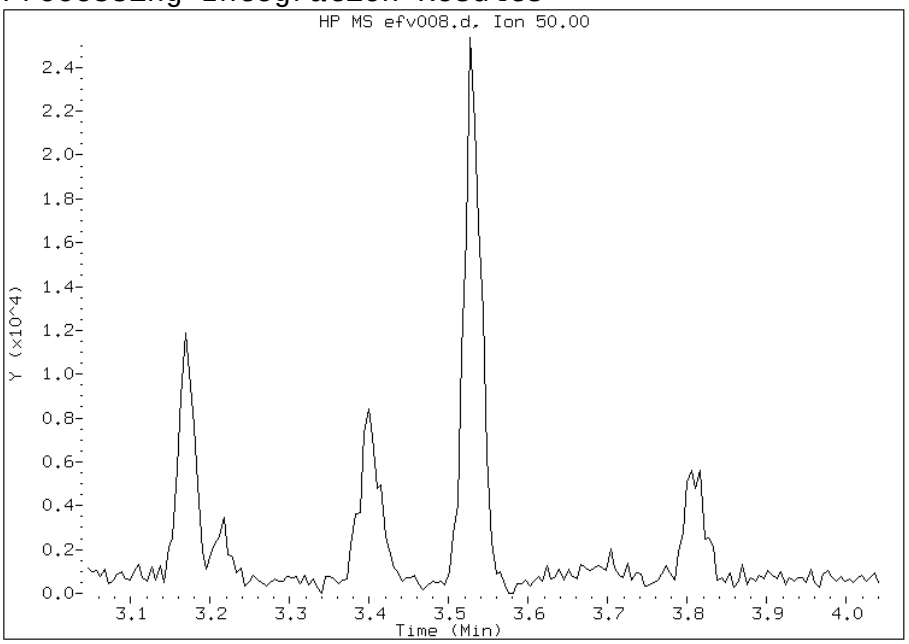
Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



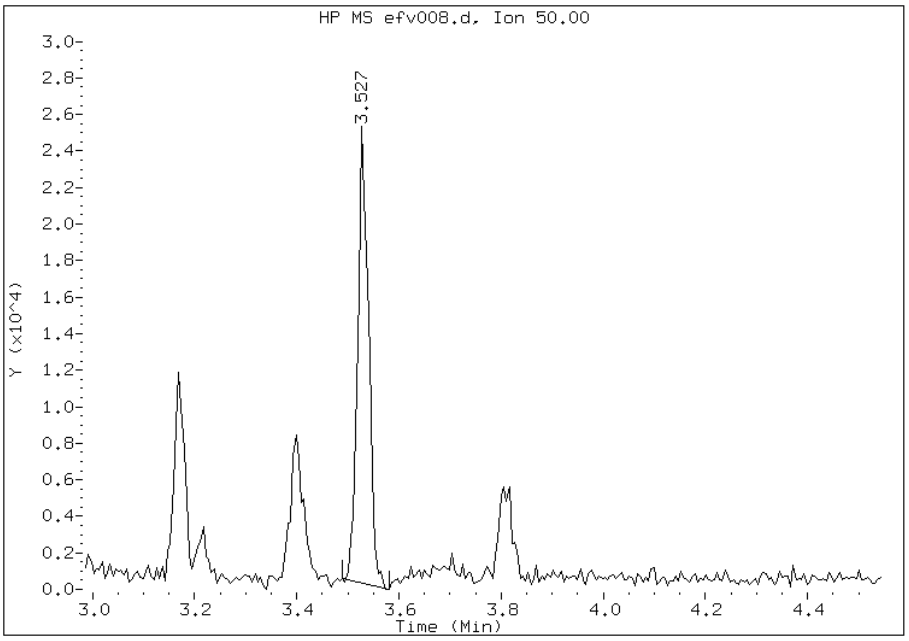
Manual Integration Results

RT: 3.53

Response: 37943

Amount: 0.227251

Conc: 0.227251



File Uploaded By: wrd
Manual Integration Reason: Baseline event

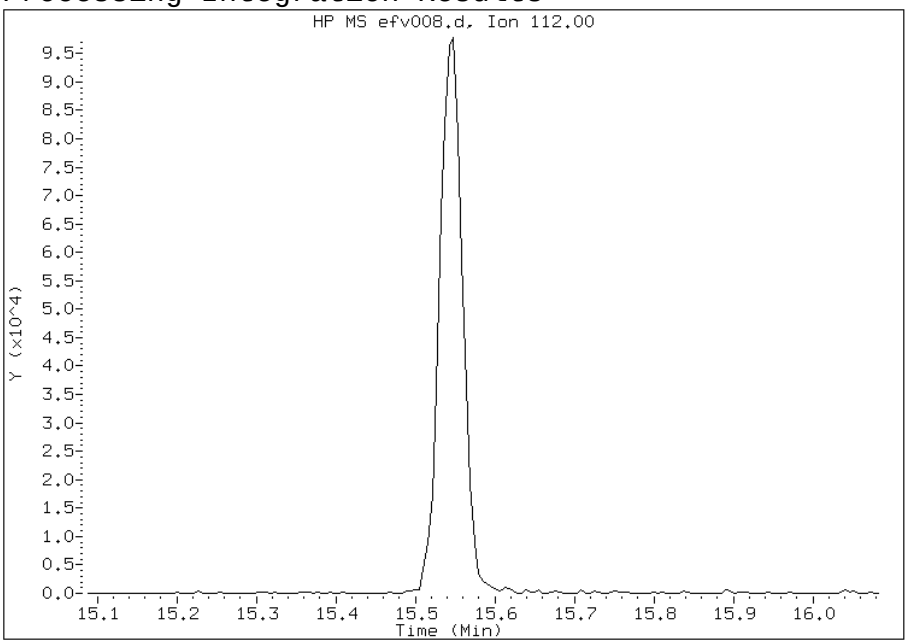
Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



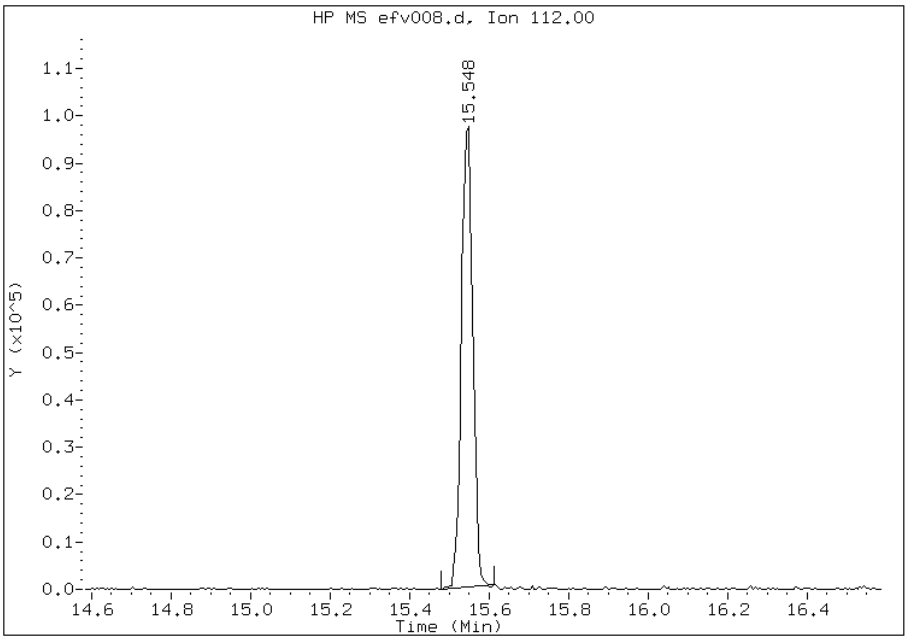
Manual Integration Results

RT: 15.55

Response: 197150

Amount: 0.206993

Conc: 0.206993



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

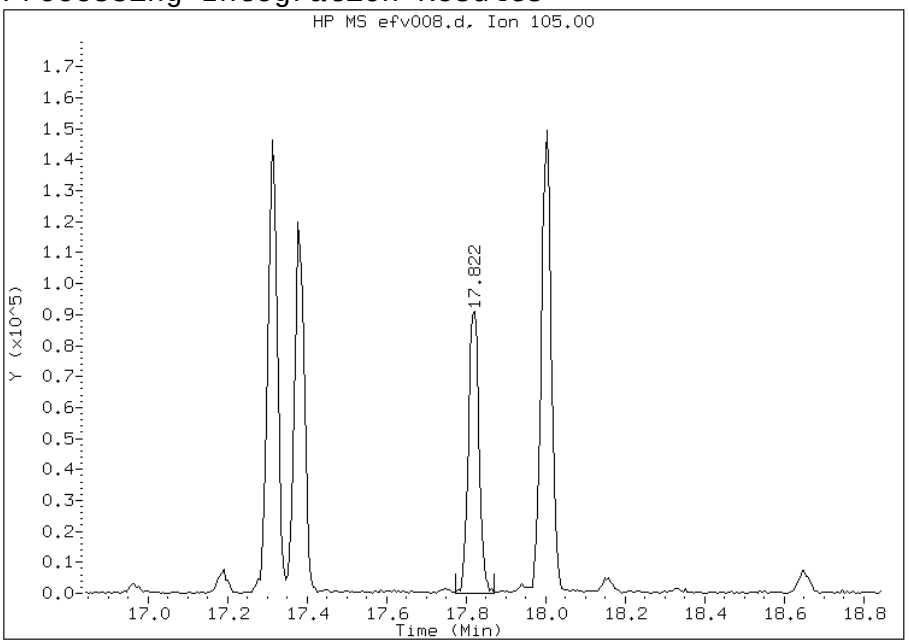
Processing Integration Results

RT: 17.82

Response: 173194

Amount: 0.232380

Conc: 0.232380



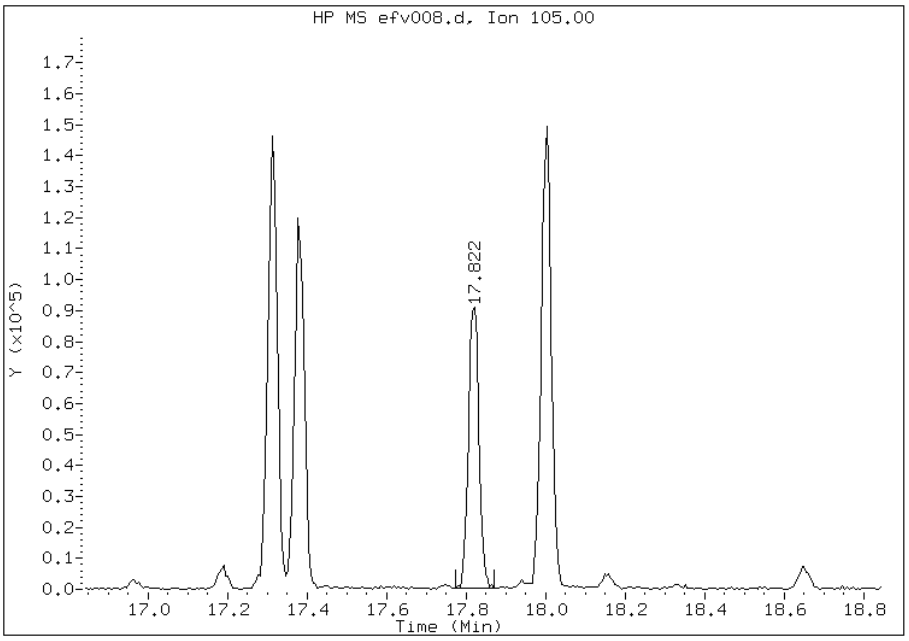
Manual Integration Results

RT: 17.82

Response: 171039

Amount: 0.180393

Conc: 0.180393



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv009.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 16:28
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 16:28 Cal File: efv009.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	511068	0.50000	0.46
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	442933	0.50000	0.48
5 Chloromethane	50	3.527	3.543	(0.355)	87303	0.50000	0.52(QM)
7 Vinyl chloride	62	3.747	3.746	(0.377)	107828	0.50000	0.48
8 1,3-Butadiene	54	3.805	3.805	(0.383)	67850	0.50000	0.44
9 Bromomethane	94	4.410	4.415	(0.444)	153736	0.50000	0.47
10 Chloroethane	64	4.624	4.618	(0.466)	53499	0.50000	0.42
12 Vinyl bromide	106	4.998	4.993	(0.504)	177198	0.50000	0.46
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	614315	0.50000	0.50
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	383470	0.50000	0.49
19 1,1-Dichloroethene	96	6.288	6.282	(0.633)	155227	0.50000	0.45
22 Allyl chloride	41	7.074	7.074	(0.713)	143634	0.50000	0.47
25 Methylene chloride	49	7.368	7.368	(0.742)	168425	0.50000	0.53
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	225430	0.50000	0.47

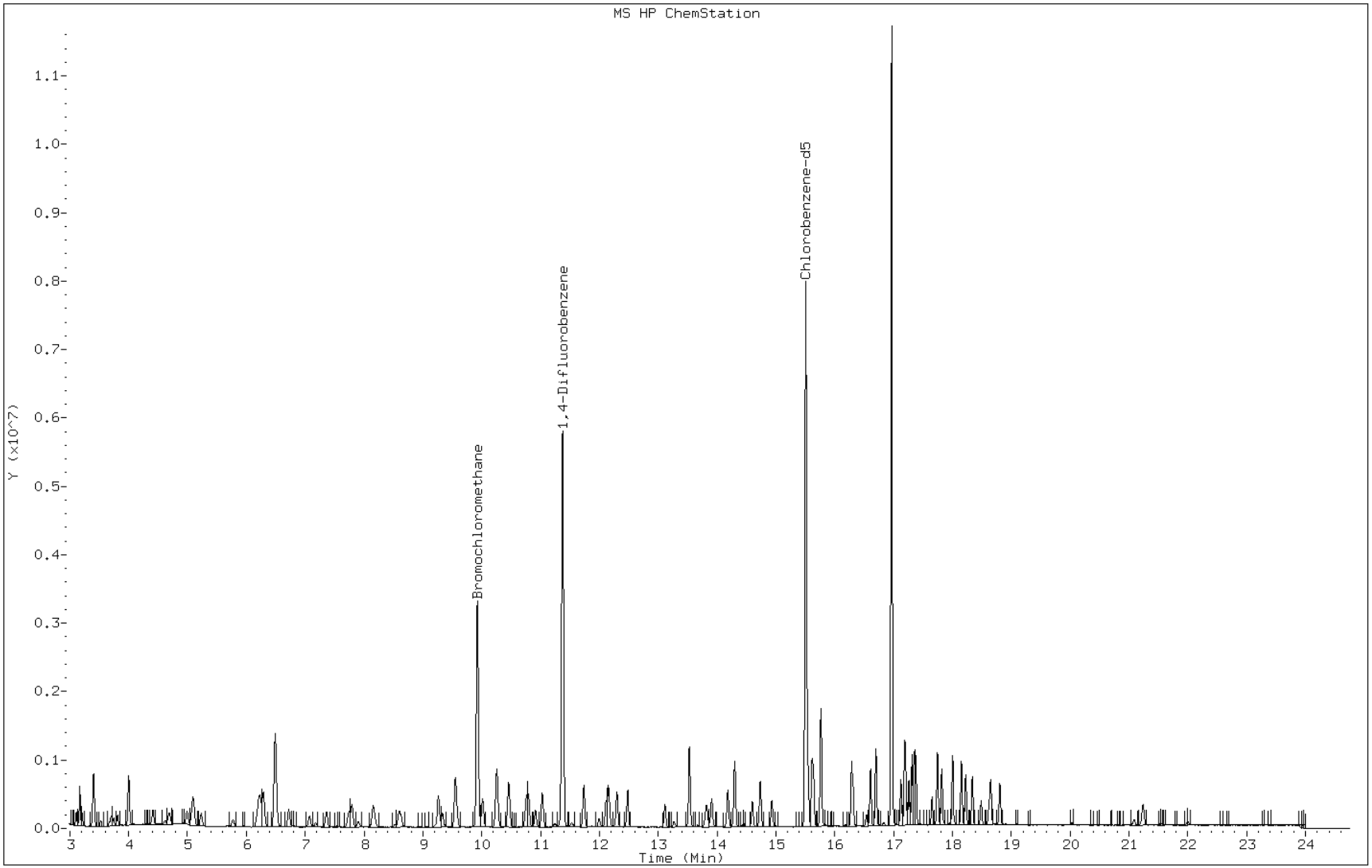
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	415958	0.50000	0.51
	30 n-Hexane	57	8.160	8.155	(0.822)	203609	0.50000	0.46
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	293299	0.50000	0.50
M	33 1,2-Dichloroethene, Total	61				394392	1.00000	0.96
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	168962	0.50000	0.49
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1235022	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	417481	0.50000	0.49
	40 Cyclohexane	84	10.257	10.252	(0.902)	215684	0.50000	0.48
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	517009	0.50000	0.49
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	587423	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	631114	0.50000	0.52
	44 Benzene	78	10.803	10.797	(0.950)	470759	0.50000	0.46
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	269730	0.50000	0.52
	46 n-Heptane	43	11.027	11.033	(0.969)	239747	0.50000	0.50
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6144295	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	241749	0.50000	0.48
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	158513	0.50000	0.51
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	436607	0.50000	0.51
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	235698	0.50000	0.53
	58 Toluene	92	13.536	13.536	(0.873)	352398	0.50000	0.51
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	245743	0.50000	0.56
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	170205	0.50000	0.48
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	387060	0.50000	0.48
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	449313	0.50000	0.51
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	313539	0.50000	0.52
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5644014	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	510309	0.50000	0.51(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	791112	0.50000	0.53
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	616455	1.00000	1.1
M	70 Xylene, Total	106				907555	1.50000	1.7
	71 Xylene (o)	106	16.286	16.281	(1.050)	291100	0.50000	0.55
	73 Bromoform	173	16.607	16.607	(1.071)	458901	0.50000	0.56
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	312547	0.50000	0.56
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	731034	0.50000	0.64
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	592477	0.50000	0.63
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	518829	0.50000	0.52(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495526
Lab Sample ID: ic 495526

Date: 04-JUN-2013 16:28
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

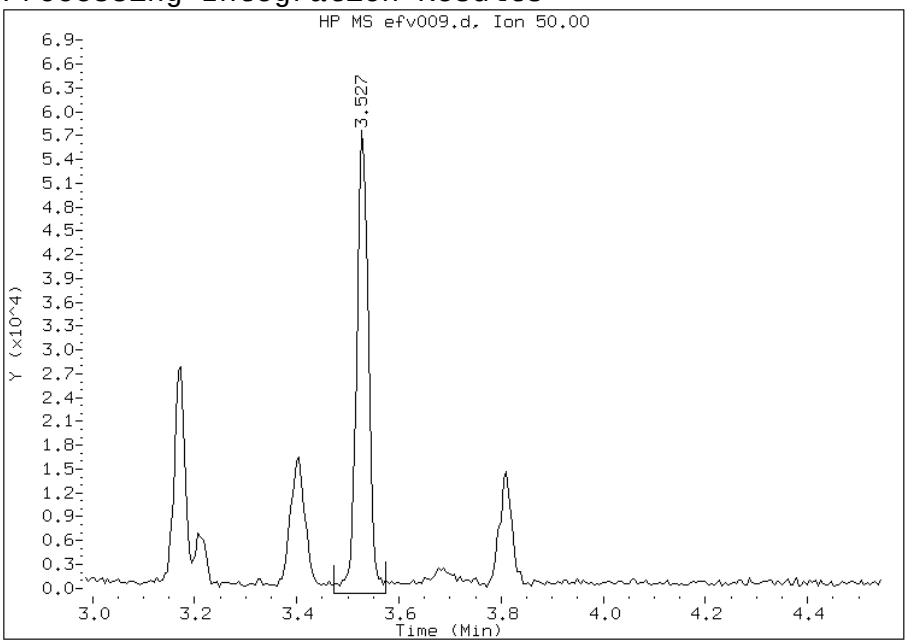
Processing Integration Results

RT: 3.53

Response: 96801

Amount: 0.496524

Conc: 0.496524



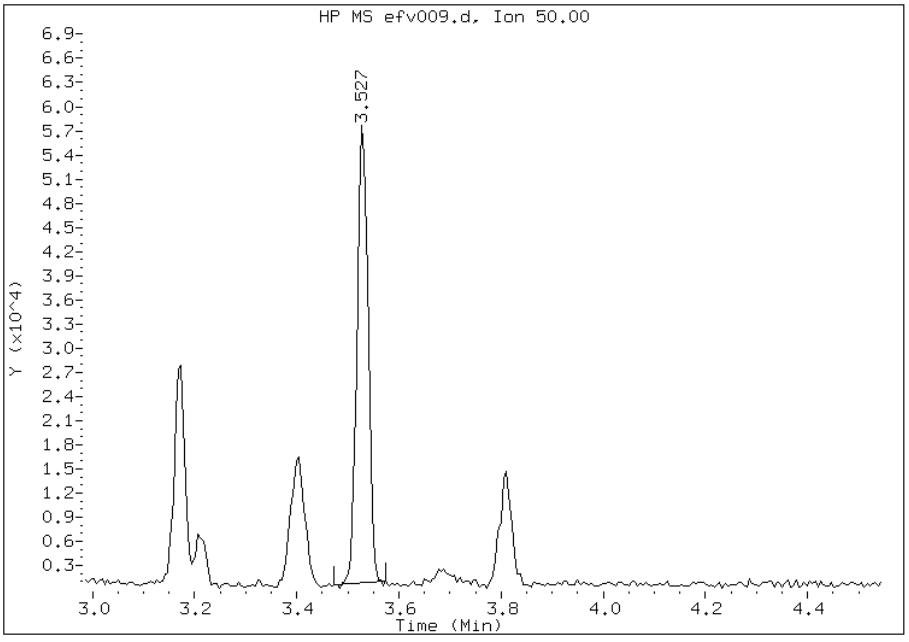
Manual Integration Results

RT: 3.53

Response: 87303

Amount: 0.520156

Conc: 0.520156



File Uploaded By: wrd
Manual Integration Reason: Baseline event

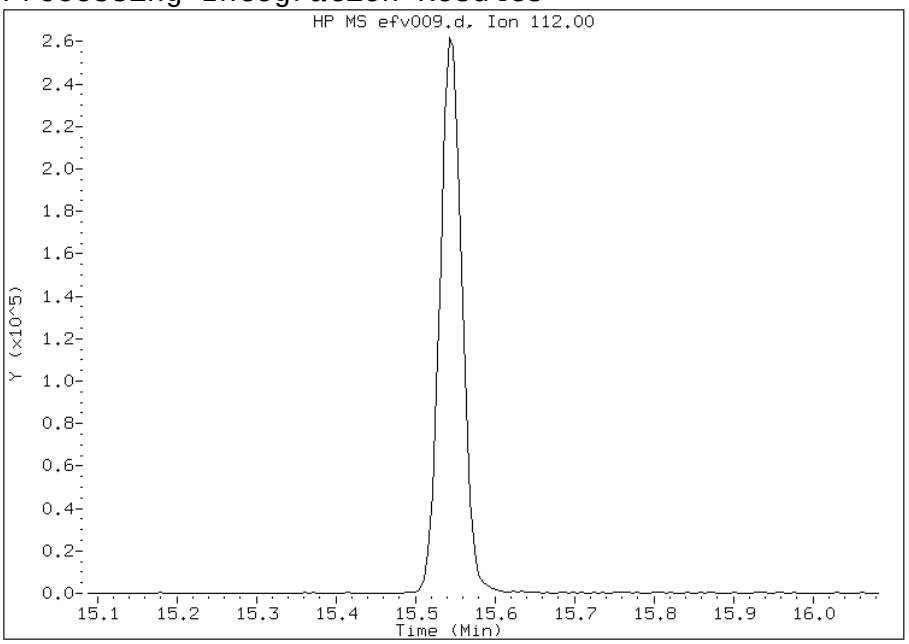
Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



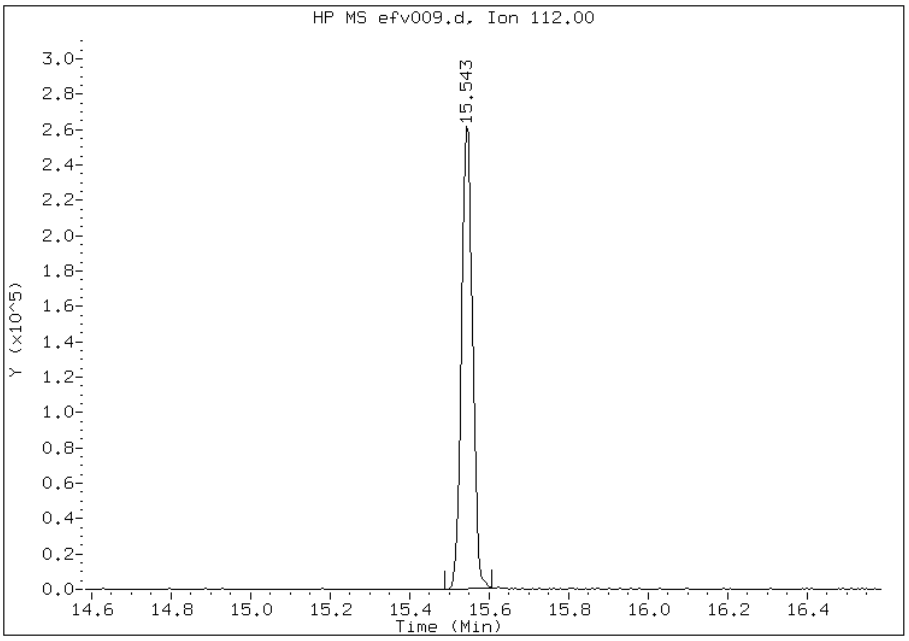
Manual Integration Results

RT: 15.54

Response: 510309

Amount: 0.514180

Conc: 0.514180



File Uploaded By: wrd
Manual Integration Reason: Baseline event

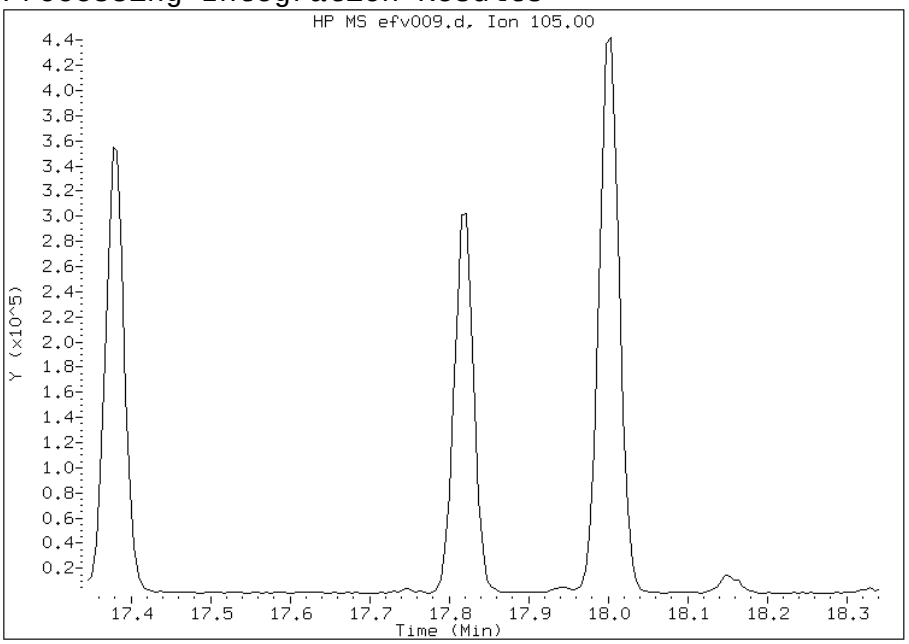
Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



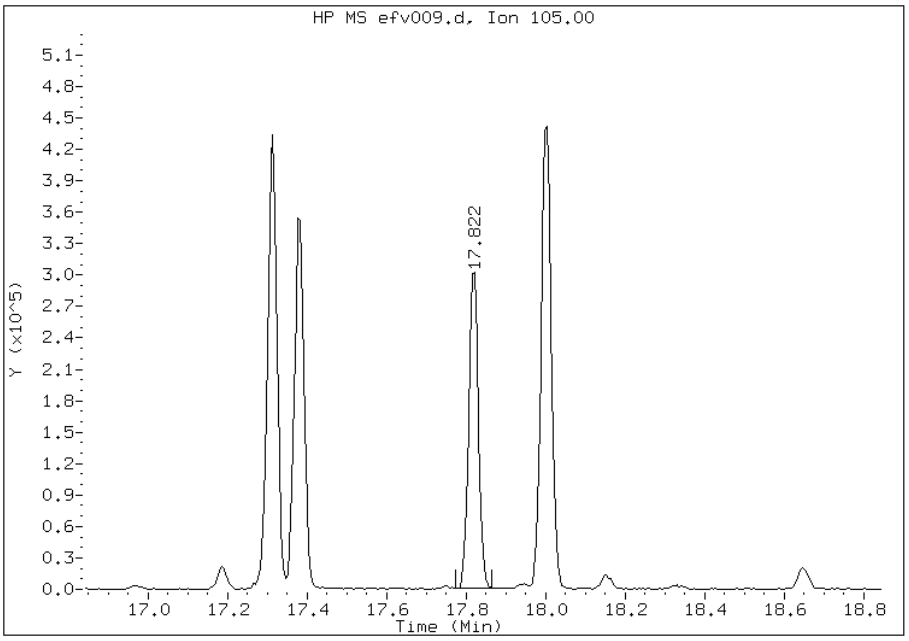
Manual Integration Results

RT: 17.82

Response: 518829

Amount: 0.525137

Conc: 0.525137



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv010.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 17:24
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 187,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 17:24 Cal File: efv010.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	187.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	770471	0.75000	0.67
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	666933	0.75000	0.68
5 Chloromethane	50	3.532	3.543	(0.356)	126886	0.75000	0.72(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	171820	0.75000	0.72
8 1,3-Butadiene	54	3.811	3.805	(0.384)	104843	0.75000	0.65
9 Bromomethane	94	4.415	4.415	(0.445)	229587	0.75000	0.66
10 Chloroethane	64	4.618	4.618	(0.465)	82144	0.75000	0.62
12 Vinyl bromide	106	4.998	4.993	(0.504)	258989	0.75000	0.64
13 Trichlorofluoromethane	101	5.094	5.095	(0.513)	919423	0.75000	0.71
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	580063	0.75000	0.71
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	235296	0.75000	0.65
22 Allyl chloride	41	7.079	7.074	(0.713)	194460	0.75000	0.61
25 Methylene chloride	49	7.363	7.368	(0.742)	221191	0.75000	0.66
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	324248	0.75000	0.65

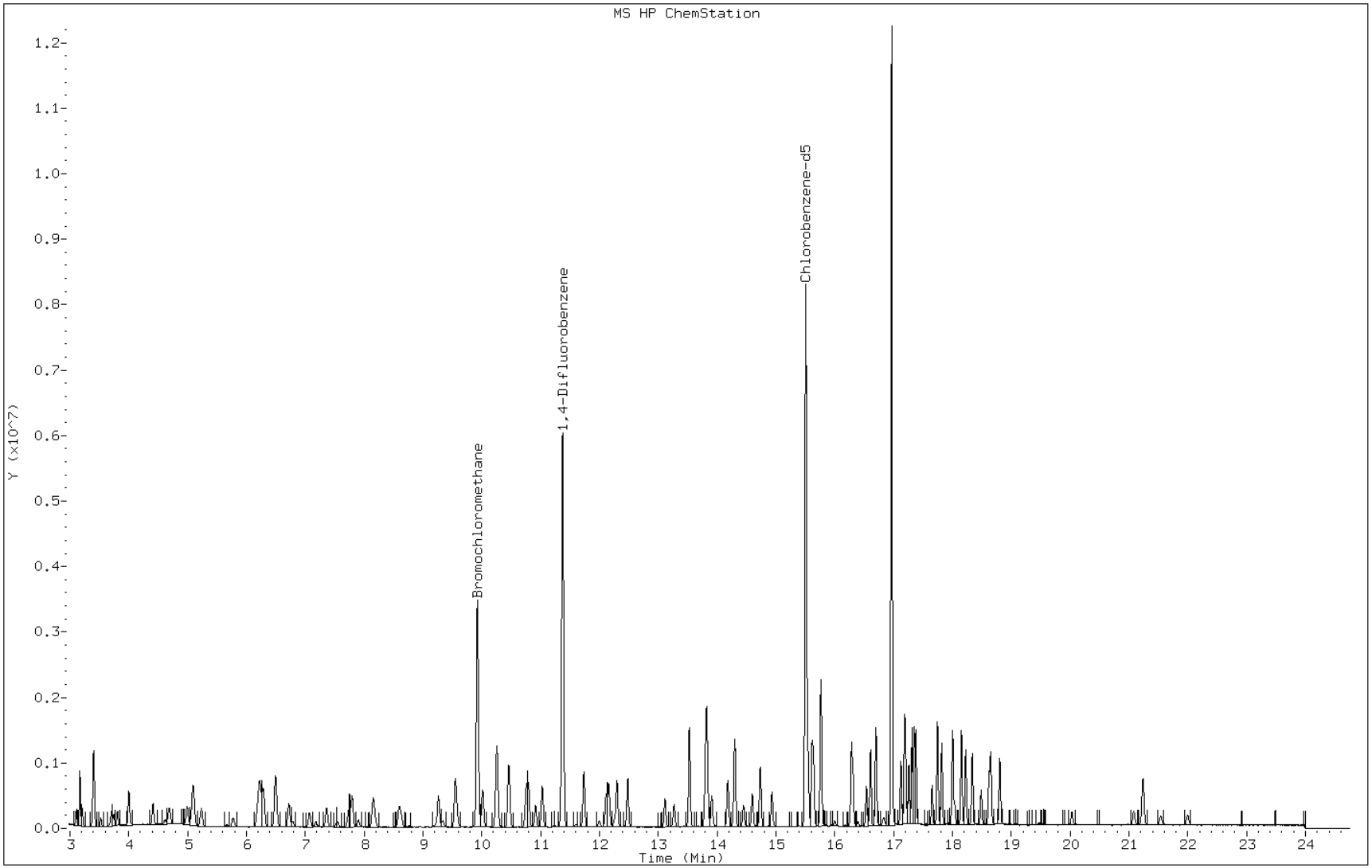
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	550313	0.75000	0.64
	30 n-Hexane	57	8.154	8.155	(0.822)	302419	0.75000	0.65
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	409694	0.75000	0.67
M	33 1,2-Dichloroethene, Total	61				560747	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	236499	0.75000	0.65
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1299761	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	584267	0.75000	0.65
	40 Cyclohexane	84	10.262	10.252	(0.902)	333595	0.75000	0.71
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	746651	0.75000	0.67
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	890458	0.75000	0.70
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	917834	0.75000	0.72
	44 Benzene	78	10.797	10.797	(0.949)	651034	0.75000	0.61
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	356455	0.75000	0.66
	46 n-Heptane	43	11.033	11.033	(0.970)	301680	0.75000	0.61
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6424173	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	337390	0.75000	0.65
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	211321	0.75000	0.65(Q)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	588225	0.75000	0.66
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	313922	0.75000	0.68
	58 Toluene	92	13.531	13.536	(0.873)	459864	0.75000	0.63
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	315919	0.75000	0.68
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	227397	0.75000	0.61
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	558377	0.75000	0.66
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	627578	0.75000	0.68
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	436523	0.75000	0.68
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5944660	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	688019	0.75000	0.66(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1022146	0.75000	0.65
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	824807	1.50000	1.4
M	70 Xylene, Total	106				1220548	2.25000	2.2
	71 Xylene (o)	106	16.281	16.281	(1.050)	395741	0.75000	0.72
	73 Bromoform	173	16.607	16.607	(1.071)	630683	0.75000	0.74
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	462255	0.75000	0.79
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1025913	0.75000	0.86
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	860200	0.75000	0.87
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	788911	0.75000	0.76(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 17:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



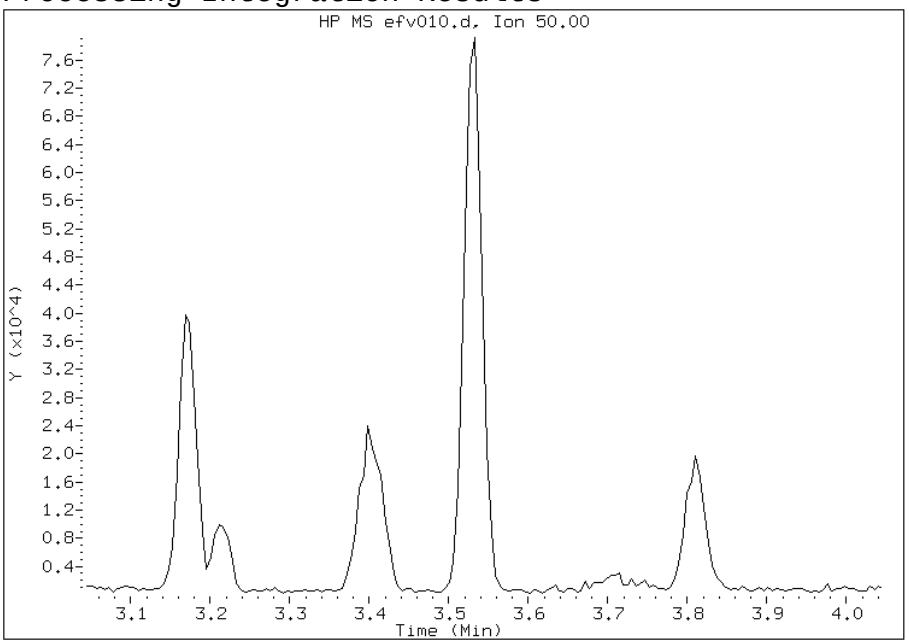
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



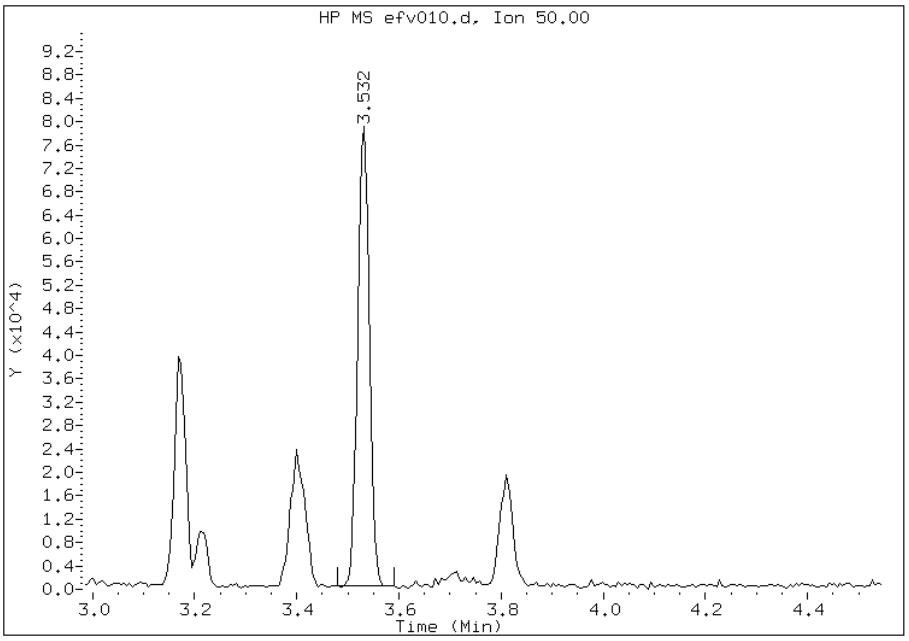
Manual Integration Results

RT: 3.53

Response: 126886

Amount: 0.718339

Conc: 0.718339



File Uploaded By: wrd
Manual Integration Reason: Baseline event

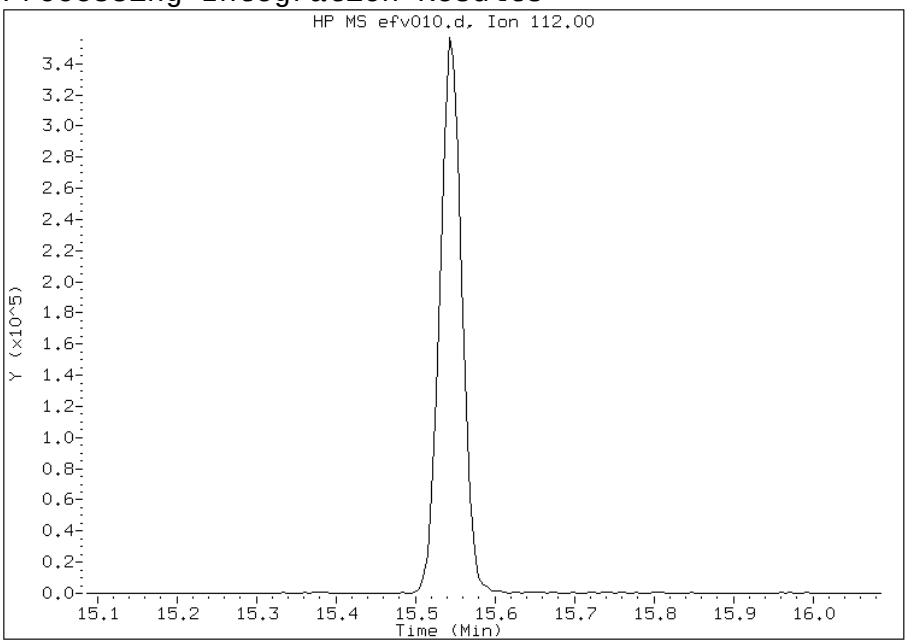
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



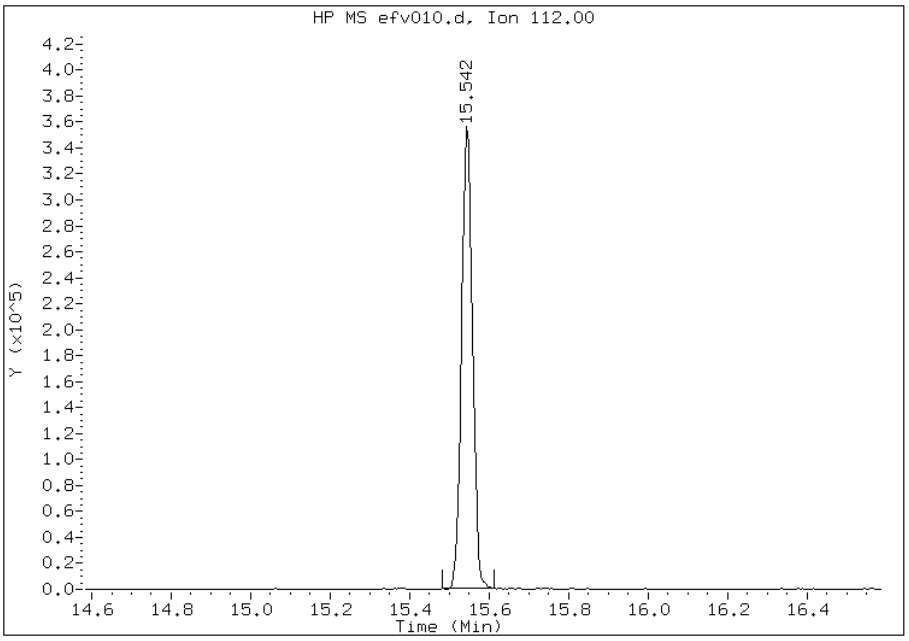
Manual Integration Results

RT: 15.54

Response: 688019

Amount: 0.658178

Conc: 0.658178



File Uploaded By: wrd
Manual Integration Reason: Baseline event

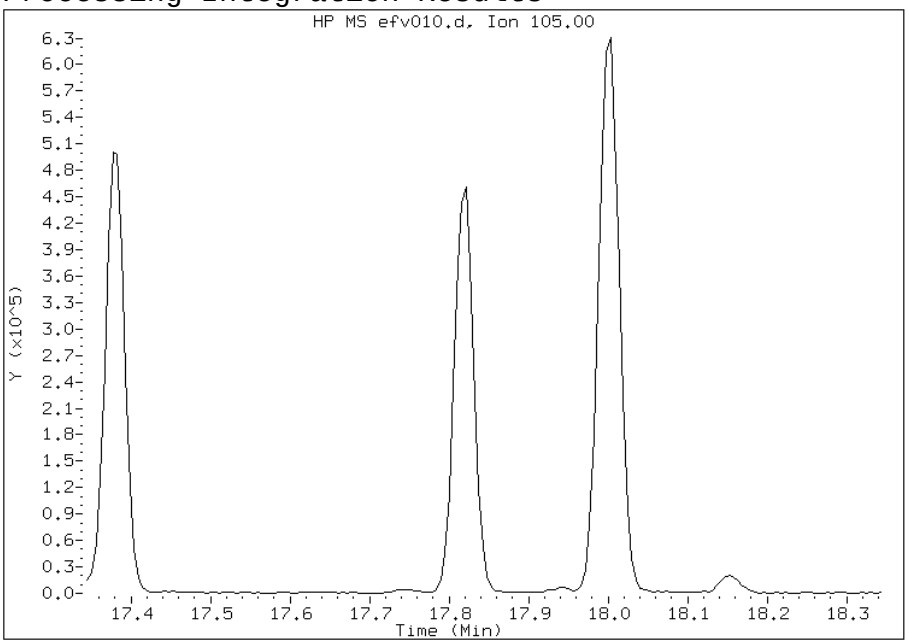
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



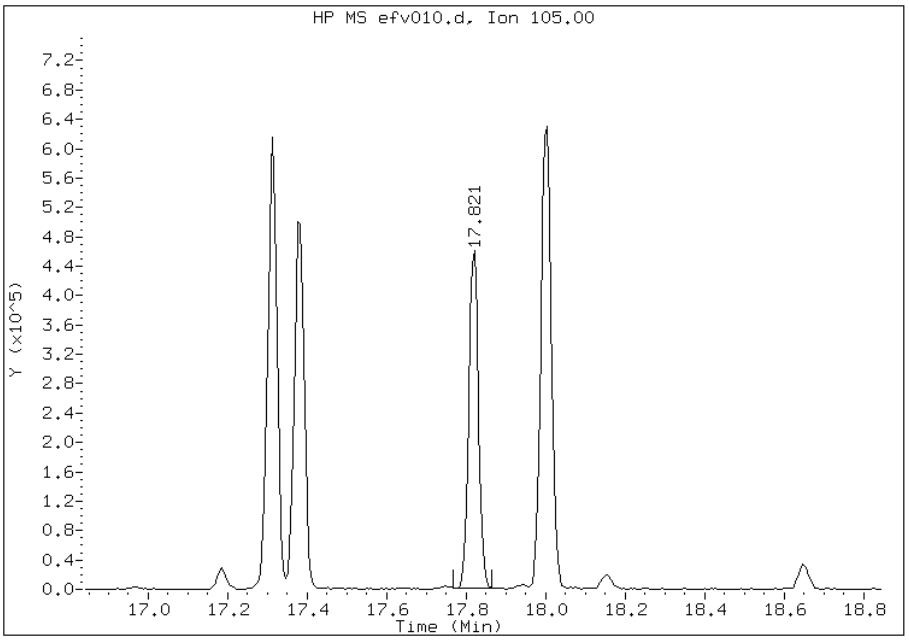
Manual Integration Results

RT: 17.82

Response: 788911

Amount: 0.758120

Conc: 0.758120



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv011.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 18:19
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 250,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 18:19 Cal File: efv011.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	250.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	1050459	1.00000	0.86
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	946149	1.00000	0.92
5 Chloromethane	50	3.532	3.543	(0.356)	173634	1.00000	0.93(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	234302	1.00000	0.93
8 1,3-Butadiene	54	3.811	3.805	(0.384)	142807	1.00000	0.84
9 Bromomethane	94	4.415	4.415	(0.445)	316644	1.00000	0.87
10 Chloroethane	64	4.618	4.618	(0.465)	111692	1.00000	0.80
12 Vinyl bromide	106	4.993	4.993	(0.503)	356408	1.00000	0.84
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	1282830	1.00000	0.94
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	836754	1.00000	0.97
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	352755	1.00000	0.93
22 Allyl chloride	41	7.079	7.074	(0.713)	281189	1.00000	0.84
25 Methylene chloride	49	7.363	7.368	(0.742)	316737	1.00000	0.89
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	476484	1.00000	0.90

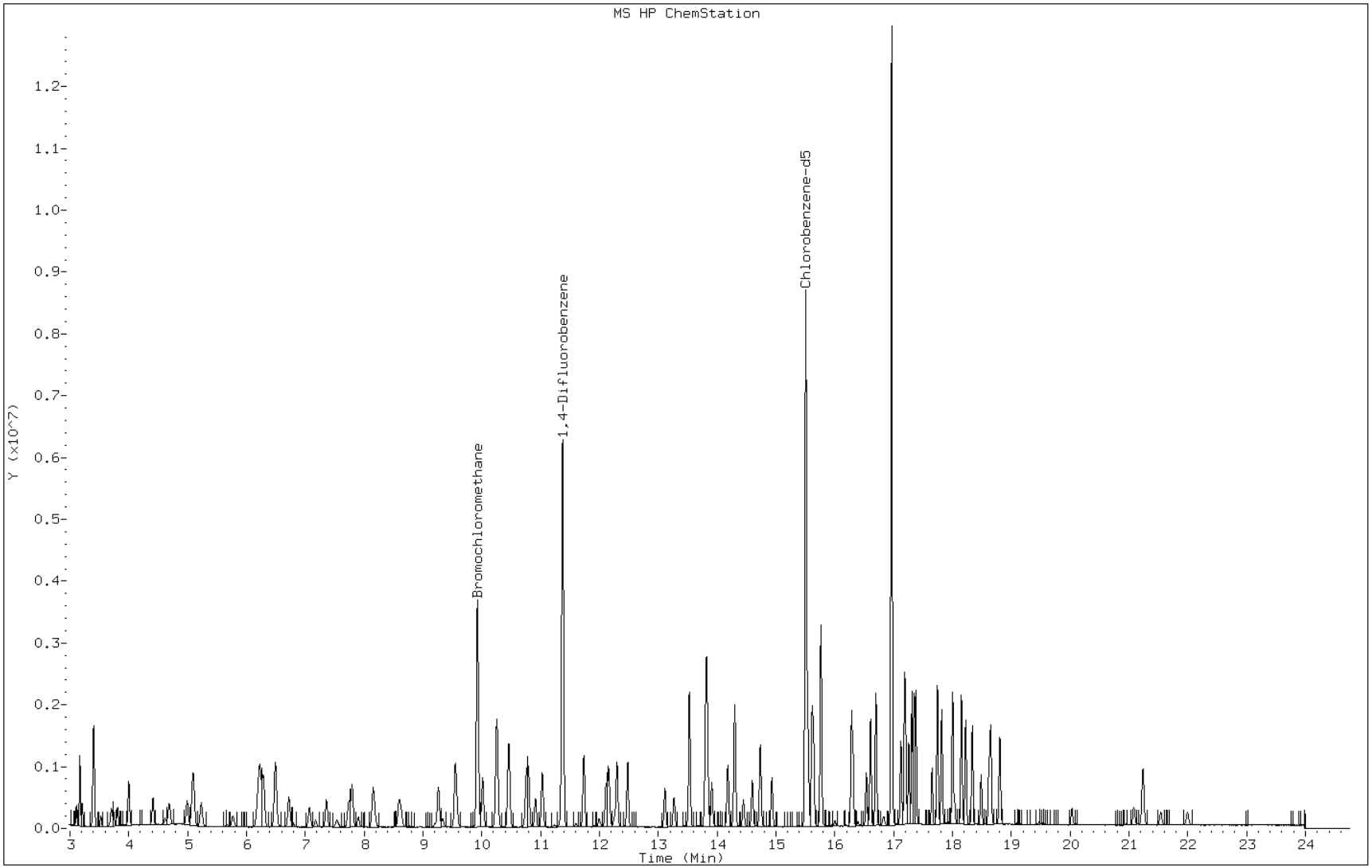
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	787815	1.00000	0.88
	30 n-Hexane	57	8.155	8.155	(0.822)	439613	1.00000	0.89
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	574716	1.00000	0.89
M	33 1,2-Dichloroethene, Total	61				826230	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	349746	1.00000	0.92
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1369170	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	814662	1.00000	0.87
	40 Cyclohexane	84	10.257	10.252	(0.902)	484105	1.00000	0.97
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1053984	1.00000	0.90
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1271748	1.00000	0.95
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	1293860	1.00000	0.96
	44 Benzene	78	10.797	10.797	(0.949)	925807	1.00000	0.83
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	501777	1.00000	0.88
	46 n-Heptane	43	11.027	11.033	(0.969)	426467	1.00000	0.81
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6784312	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	479172	1.00000	0.87
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	294402	1.00000	0.85
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	853782	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	453707	1.00000	0.93
	58 Toluene	92	13.531	13.536	(0.873)	665739	1.00000	0.87
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	475095	1.00000	0.97
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	327325	1.00000	0.83
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	826667	1.00000	0.93
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	926369	1.00000	0.95
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	638007	1.00000	0.95
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6286450	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	998035	1.00000	0.90(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1506425	1.00000	0.91
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	1186848	2.00000	2.0
M	70 Xylene, Total	106				1771185	3.00000	3.0
	71 Xylene (o)	106	16.286	16.281	(1.050)	584337	1.00000	1.00
	73 Bromoform	173	16.607	16.607	(1.071)	959494	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	666517	1.00000	1.1(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1530568	1.00000	1.2(A)
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	1308318	1.00000	1.2(A)
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	1198361	1.00000	1.1(QM)

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: efv011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 18:19
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

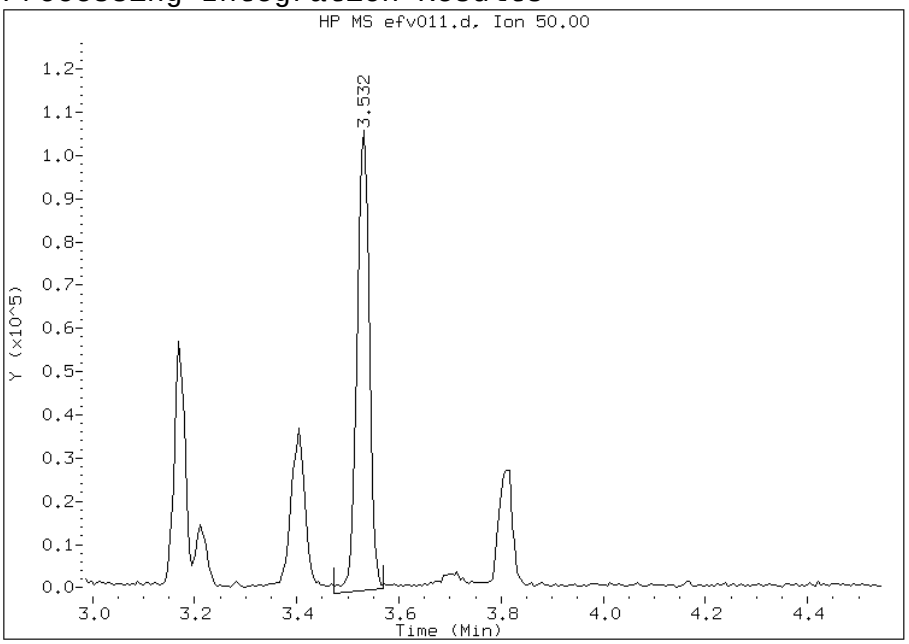
Processing Integration Results

RT: 3.53

Response: 182859

Amount: 0.925007

Conc: 0.925007



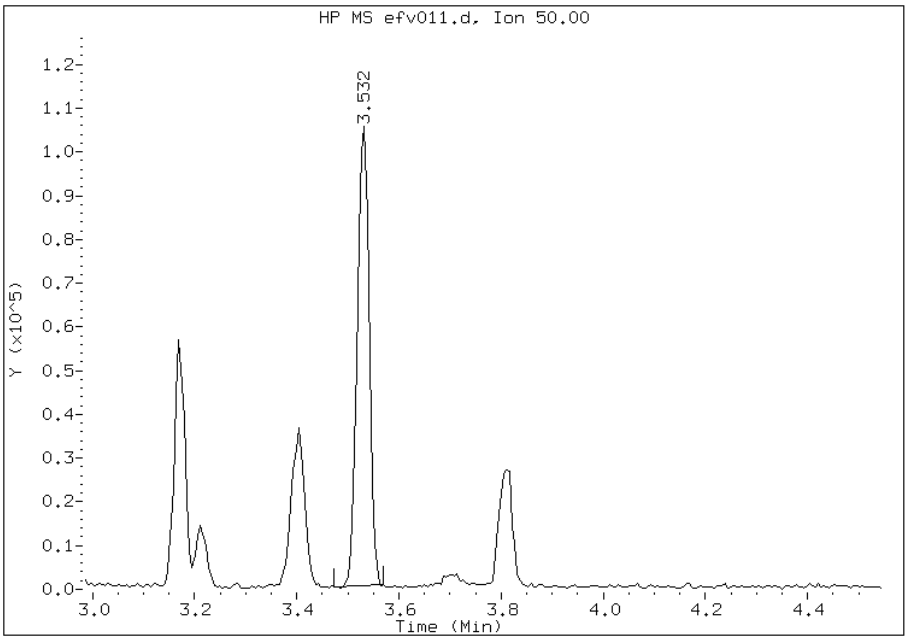
Manual Integration Results

RT: 3.53

Response: 173634

Amount: 0.933160

Conc: 0.933160



File Uploaded By: wrd
Manual Integration Reason: Baseline event

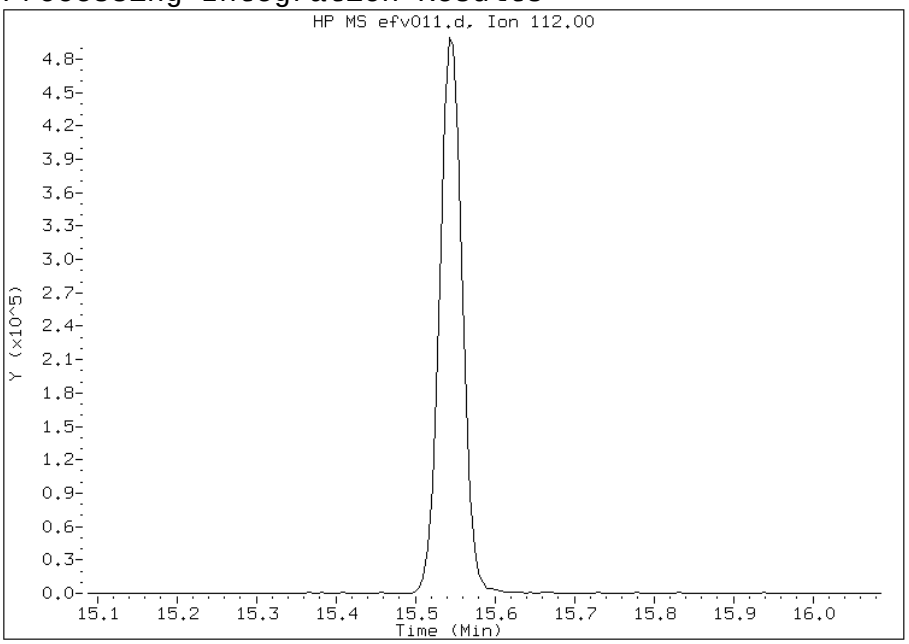
Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



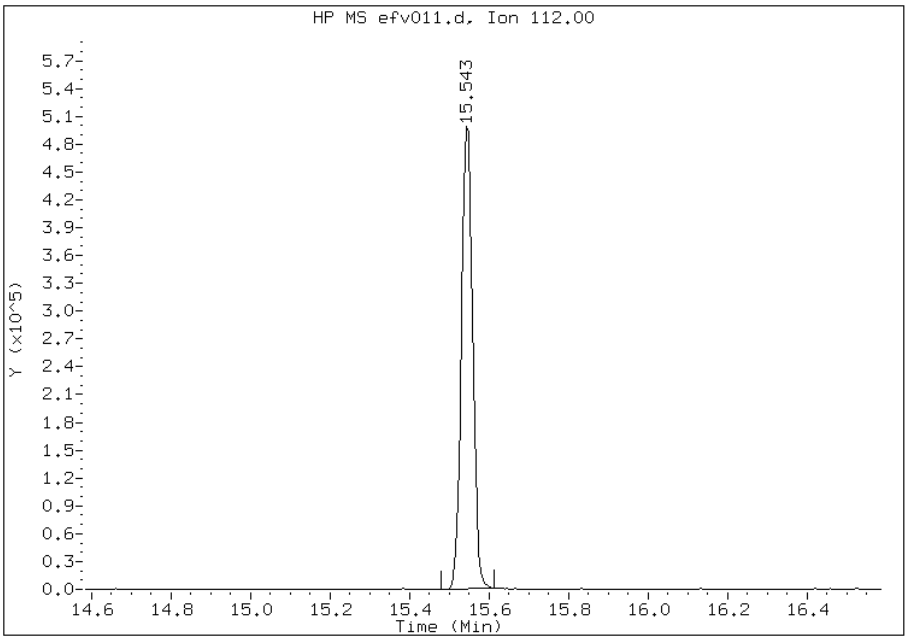
Manual Integration Results

RT: 15.54

Response: 998035

Amount: 0.902838

Conc: 0.902838



File Uploaded By: wrd
Manual Integration Reason: Baseline event

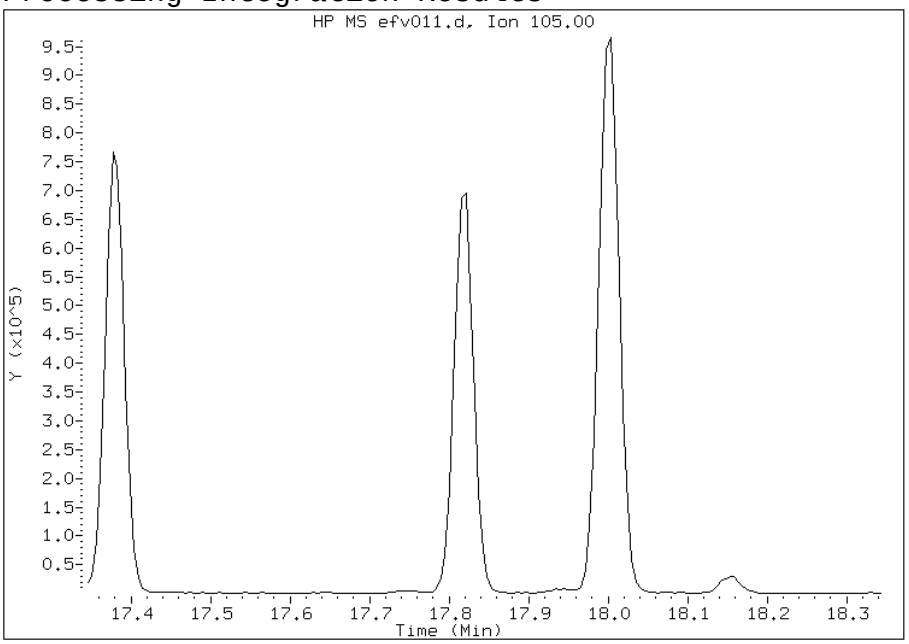
Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



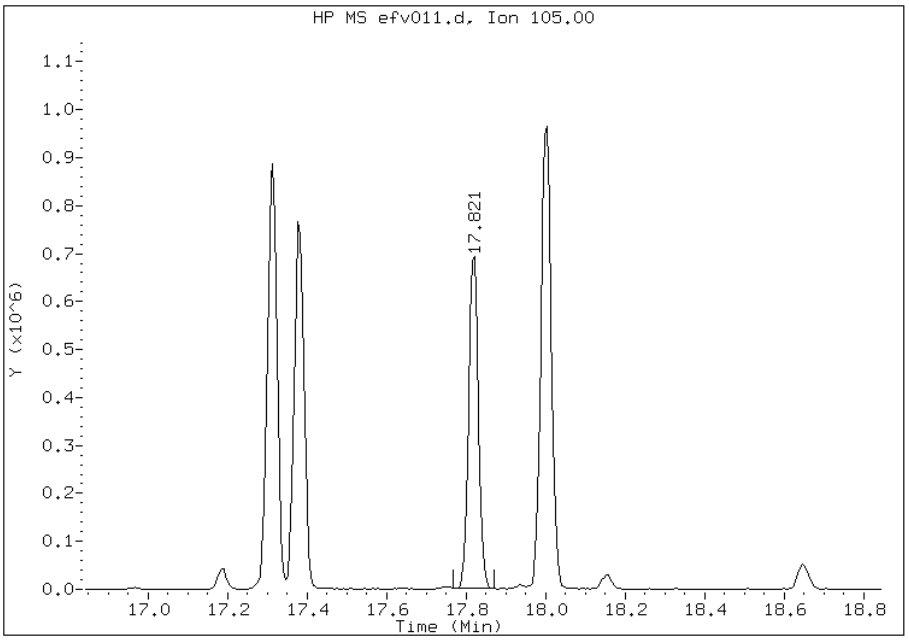
Manual Integration Results

RT: 17.82

Response: 1198361

Amount: 1.09

Conc: 1.09



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv012.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 19:14
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 375,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 19:14 Cal File: efv012.d
Als bottle: 4 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	375.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

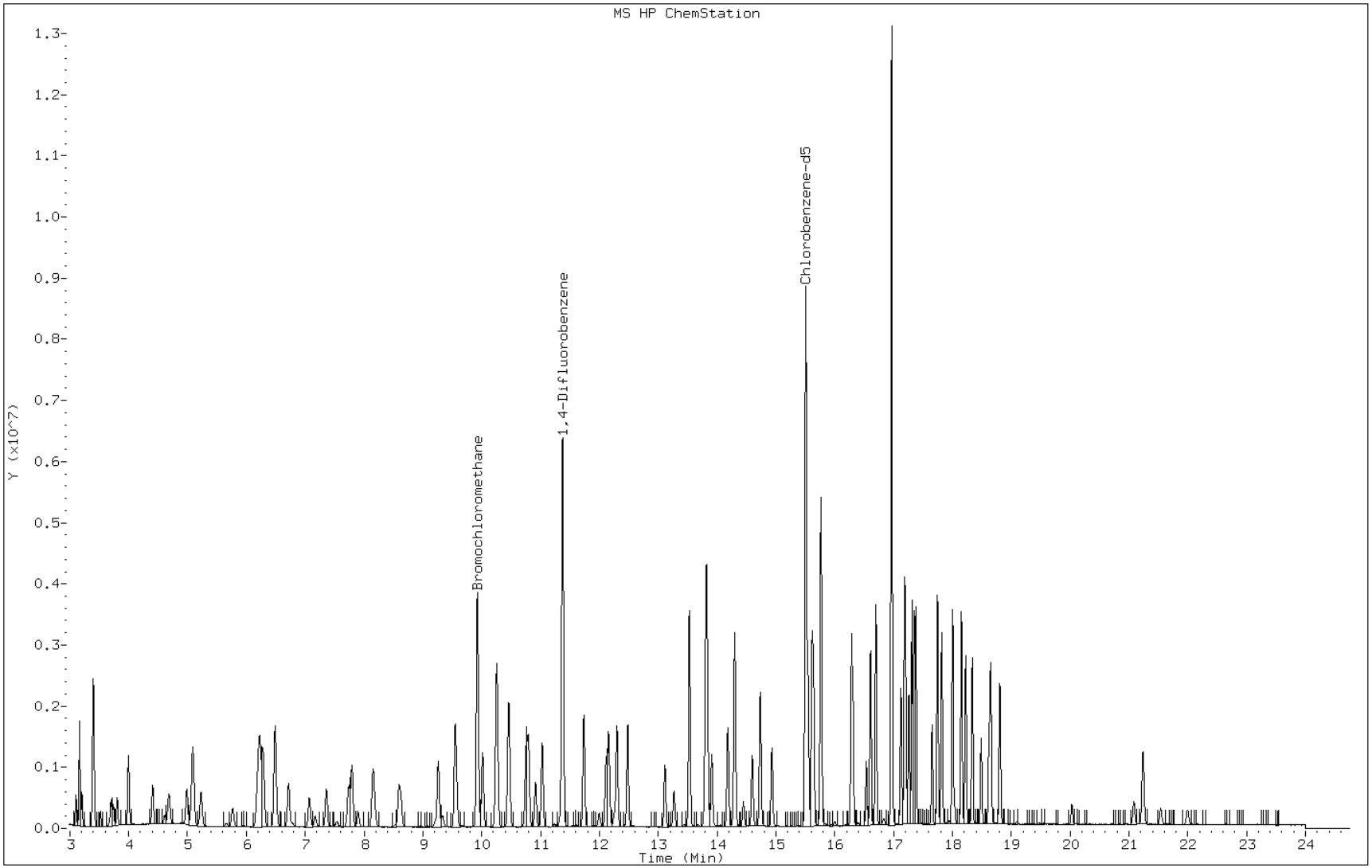
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	1574307	1.50000	1.2(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1388458	1.50000	1.3(A)
5 Chloromethane	50	3.522	3.543	(0.355)	253795	1.50000	1.3(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	348436	1.50000	1.3(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	214949	1.50000	1.2(A)
9 Bromomethane	94	4.410	4.415	(0.444)	468944	1.50000	1.2(A)
10 Chloroethane	64	4.618	4.618	(0.465)	163041	1.50000	1.1(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	539658	1.50000	1.2(A)
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	1908310	1.50000	1.3(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1243944	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	529476	1.50000	1.3(A)
22 Allyl chloride	41	7.069	7.074	(0.712)	424684	1.50000	1.2(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	452079	1.50000	1.2
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	704308	1.50000	1.3(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1274502	1.50000	1.4(A)
	30 n-Hexane	57	8.155	8.155	(0.822)	666501	1.50000	1.3(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	892271	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1255434	3.00000	2.7
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	551126	1.50000	1.4(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1426157	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	1287466	1.50000	1.3(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	736289	1.50000	1.4(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1634183	1.50000	1.3(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1943726	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	2031124	1.50000	1.5(A)
	44 Benzene	78	10.797	10.797	(0.949)	1483991	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	785845	1.50000	1.3(A)
	46 n-Heptane	43	11.027	11.033	(0.969)	656639	1.50000	1.2(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7009052	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	748607	1.50000	1.3(A)
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	469701	1.50000	1.3(AQ)
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	1361618	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	753073	1.50000	1.5(A)
	58 Toluene	92	13.536	13.536	(0.873)	1092910	1.50000	1.4(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	795783	1.50000	1.6(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	532729	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	1351649	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	1518433	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	1081788	1.50000	1.5(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6550134	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	1635274	1.50000	1.4(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	2484748	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	2009783	3.00000	3.2(A)
M	70 Xylene, Total	106				2985389	4.50000	4.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	975606	1.50000	1.6(A)
	73 Bromoform	173	16.607	16.607	(1.071)	1615665	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1086255	1.50000	1.7(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	2619243	1.50000	2.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	2172328	1.50000	2.0(A)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	2031249	1.50000	1.8(QM)

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:	efv012.d	Date:	04-JUN-2013 19:14
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 487974		
Lab Sample ID:	ic 487974		



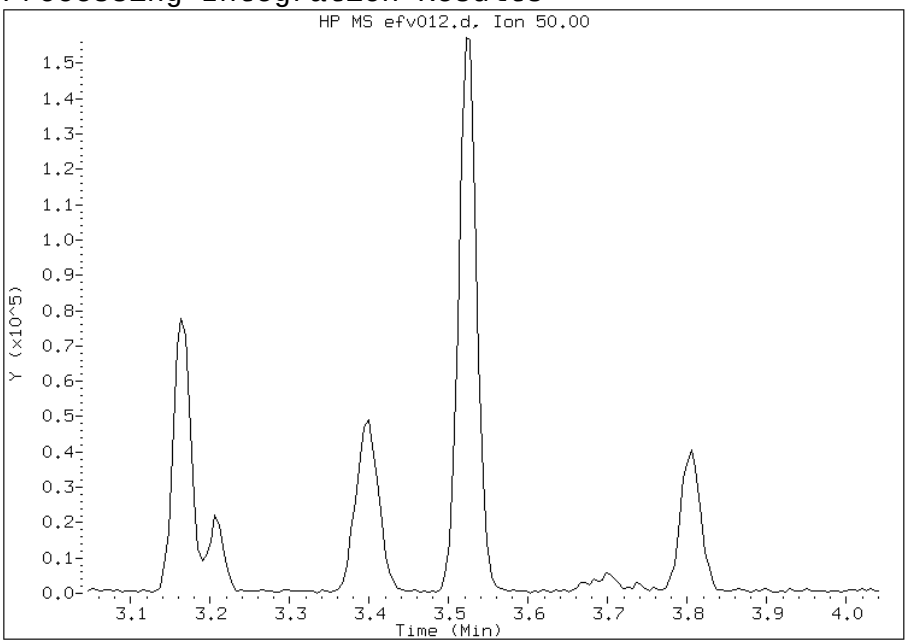
Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



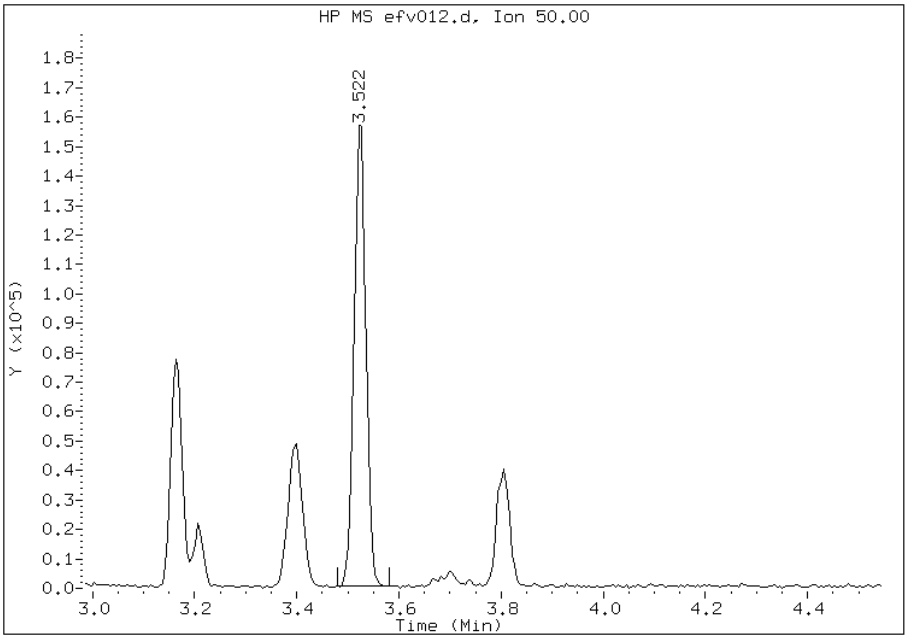
Manual Integration Results

RT: 3.52

Response: 253795

Amount: 1.31

Conc: 1.31



File Uploaded By: wrd
Manual Integration Reason: Baseline event

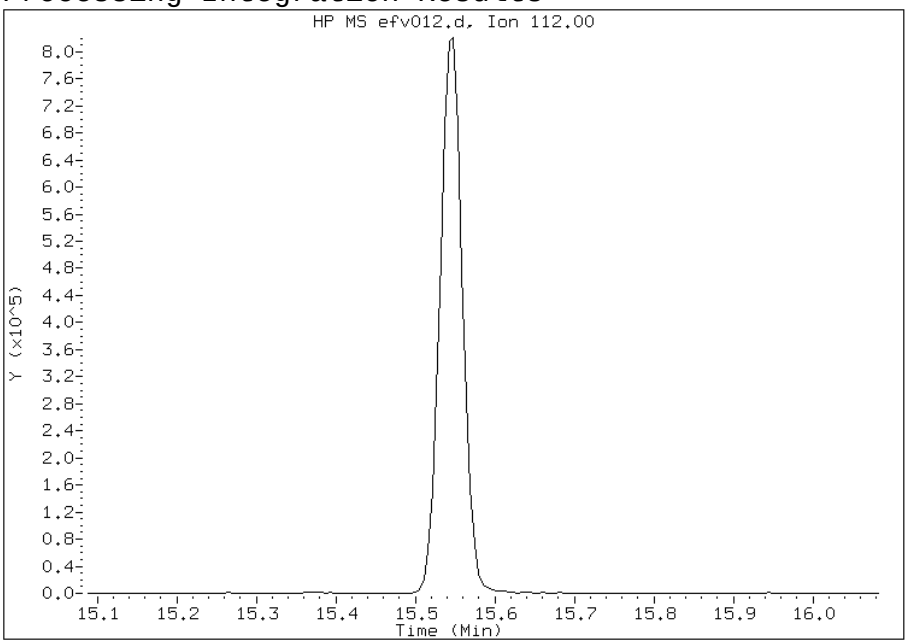
Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



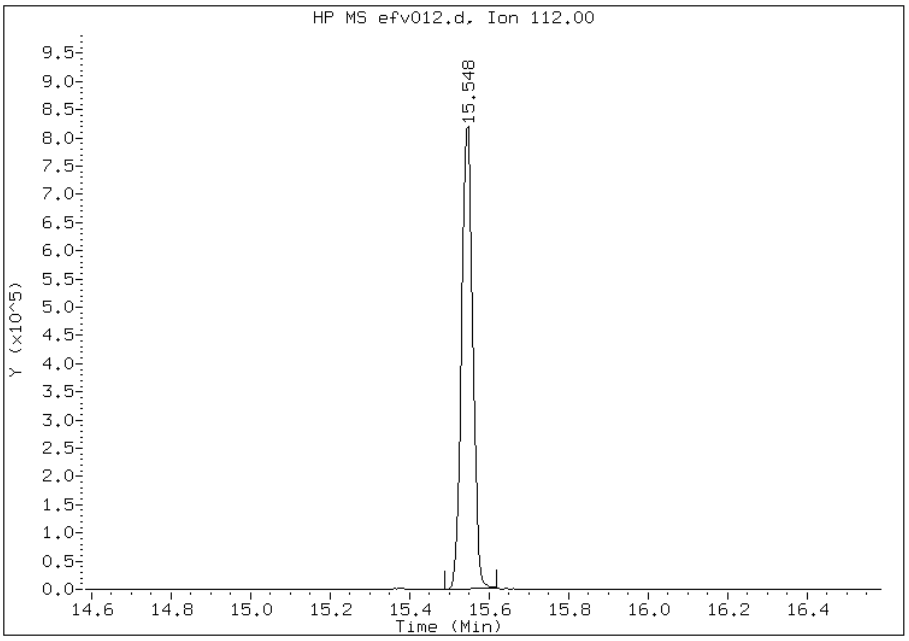
Manual Integration Results

RT: 15.55

Response: 1635274

Amount: 1.42

Conc: 1.42



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

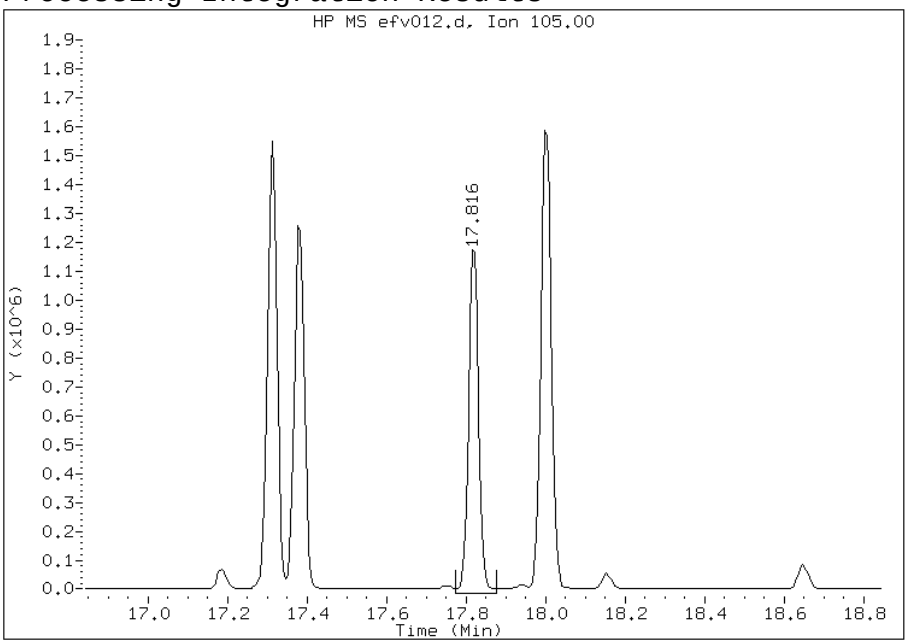
Processing Integration Results

RT: 17.82

Response: 2140283

Amount: 1.94

Conc: 1.94



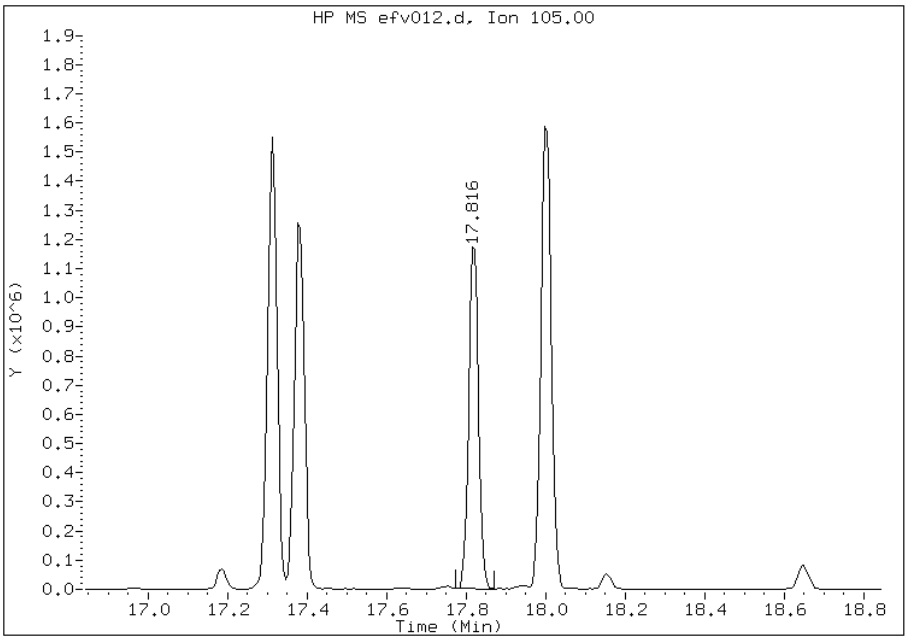
Manual Integration Results

RT: 17.82

Response: 2031249

Amount: 1.77

Conc: 1.77



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv013.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 20:10
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 500,1,level 010
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	2091728	2.00000	1.6(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1857016	2.00000	1.7(A)
5 Chloromethane	50	3.527	3.543	(0.355)	338245	2.00000	1.7(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	466675	2.00000	1.8(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	285253	2.00000	1.6(A)
9 Bromomethane	94	4.410	4.415	(0.444)	624722	2.00000	1.6(A)
10 Chloroethane	64	4.619	4.618	(0.465)	217901	2.00000	1.5(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	738987	2.00000	1.6(A)
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	2595012	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1716632	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	727151	2.00000	1.8(A)
22 Allyl chloride	41	7.074	7.074	(0.713)	572256	2.00000	1.6(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	601453	2.00000	1.6
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	956684	2.00000	1.7(A)

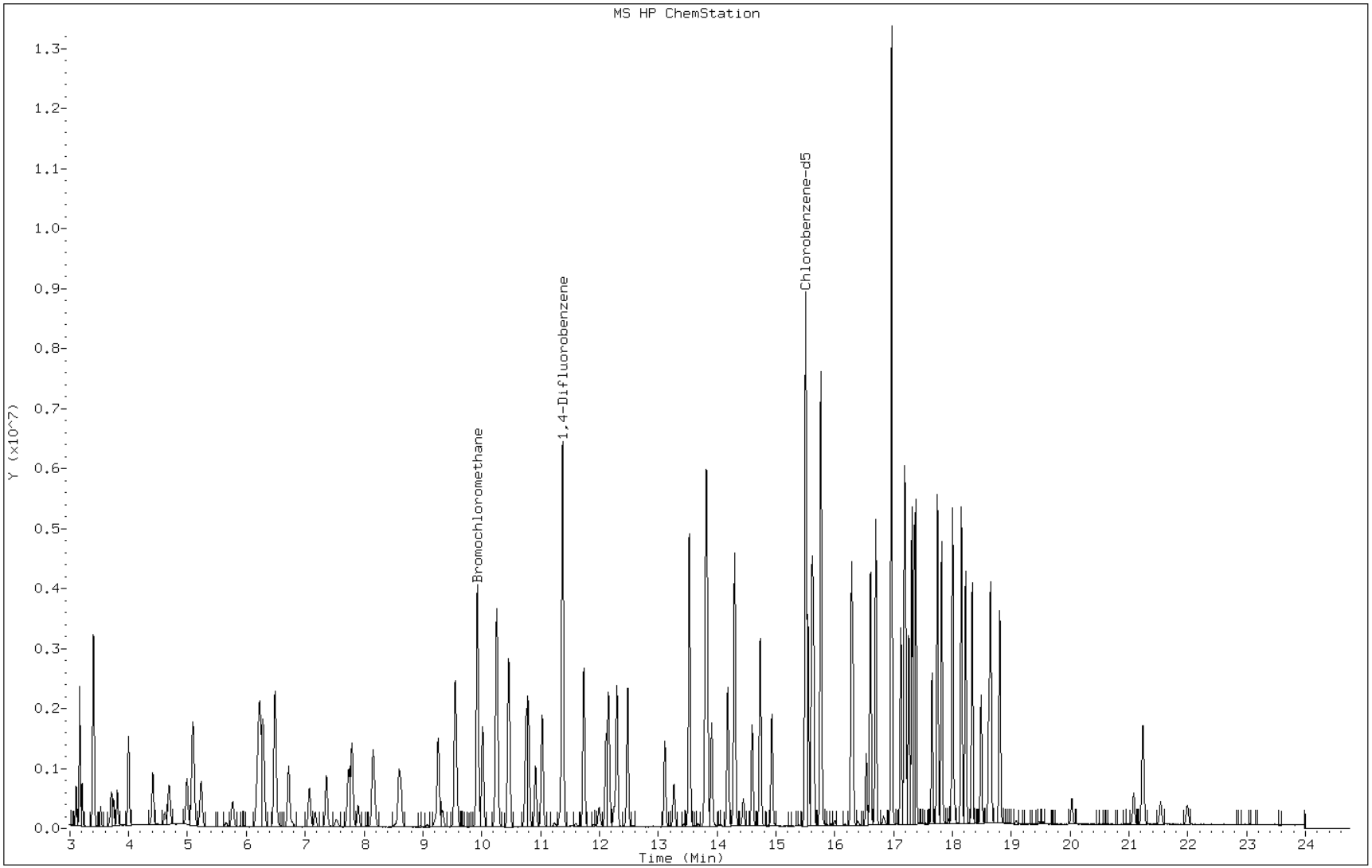
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1829028	2.00000	1.9(A)
	30 n-Hexane	57	8.149	8.155	(0.821)	898587	2.00000	1.7(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	1209262	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1735570	4.00000	3.7
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	778886	2.00000	1.9(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1439442	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	1778083	2.00000	1.8(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	1029001	2.00000	2.0(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	2262104	2.00000	1.8(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	2671009	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	2785873	2.00000	2.0(A)
	44 Benzene	78	10.797	10.797	(0.949)	2047540	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	1073634	2.00000	1.8(A)
	46 n-Heptane	43	11.022	11.033	(0.969)	903248	2.00000	1.6(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7125699	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	1072880	2.00000	1.8(A)
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	650479	2.00000	1.8(A)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	1885287	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	1060176	2.00000	2.1(A)
	58 Toluene	92	13.531	13.536	(0.873)	1549879	2.00000	1.9(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	1180241	2.00000	2.3(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	743718	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	1944118	2.00000	2.1(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	2207808	2.00000	2.2(A)
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	1554802	2.00000	2.2(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6591126	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	2338554	2.00000	2.0(AQM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	3525596	2.00000	2.0(A)
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	2866597	4.00000	4.5(A)
M	70 Xylene, Total	106				4264637	6.00000	6.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	1398040	2.00000	2.3(A)
	73 Bromoform	173	16.602	16.607	(1.071)	2407376	2.00000	2.5(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1630826	2.00000	2.5(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	3934597	2.00000	3.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	3331755	2.00000	3.0(A)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	3050724	2.00000	2.6(AQM)

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: efv013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 20:10
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

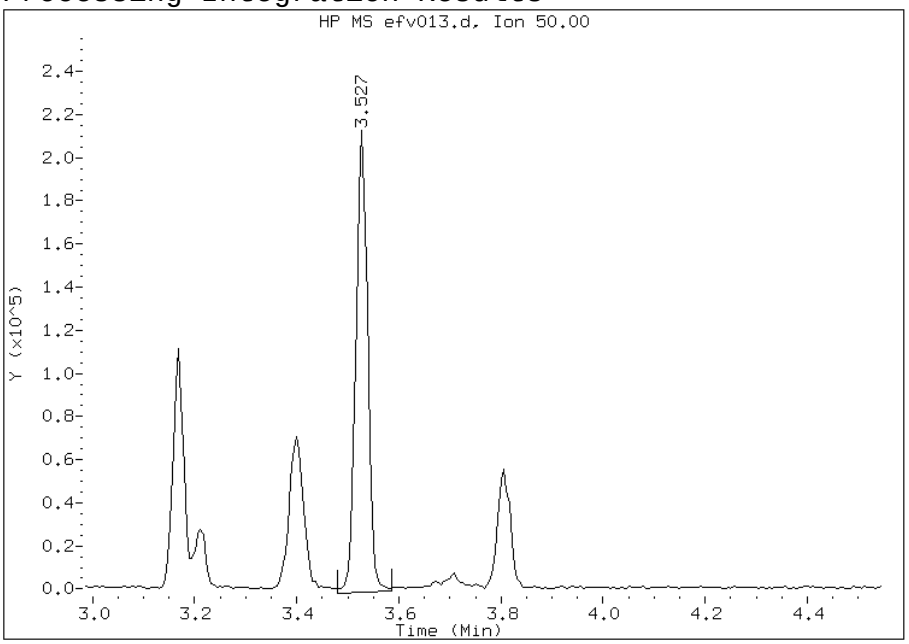
Processing Integration Results

RT: 3.53

Response: 351534

Amount: 1.79

Conc: 1.79



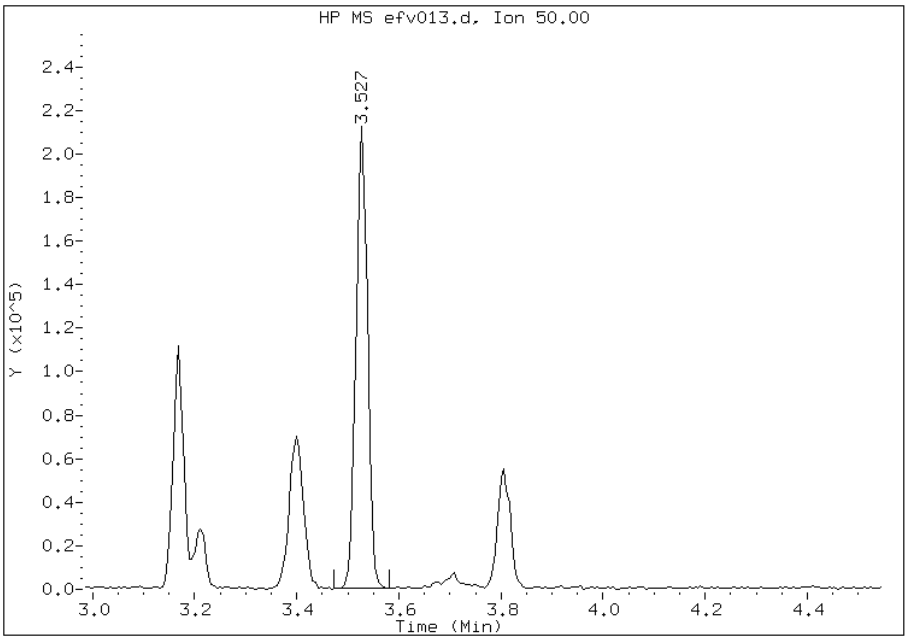
Manual Integration Results

RT: 3.53

Response: 338245

Amount: 1.73

Conc: 1.73



File Uploaded By: wrd
Manual Integration Reason: Baseline event

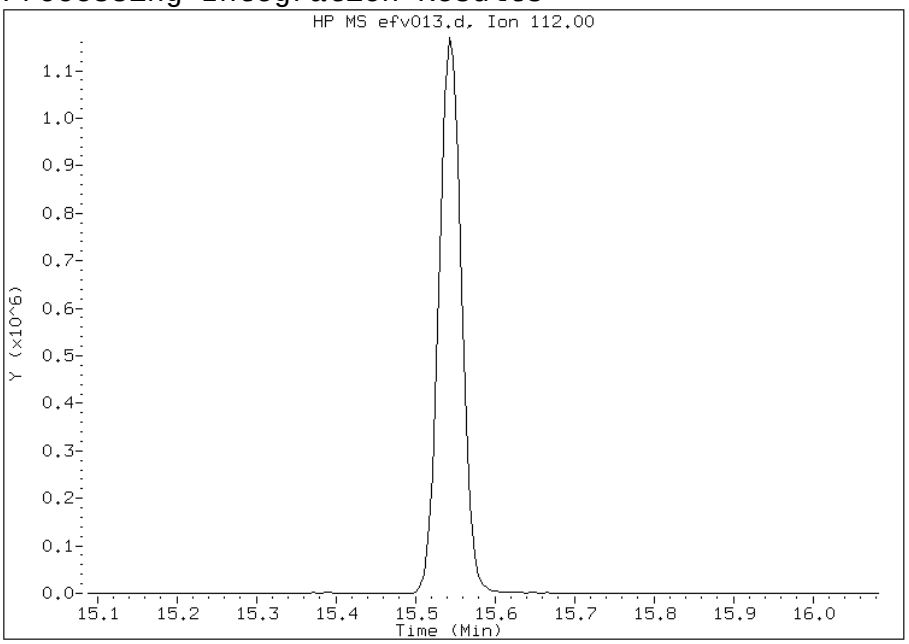
Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



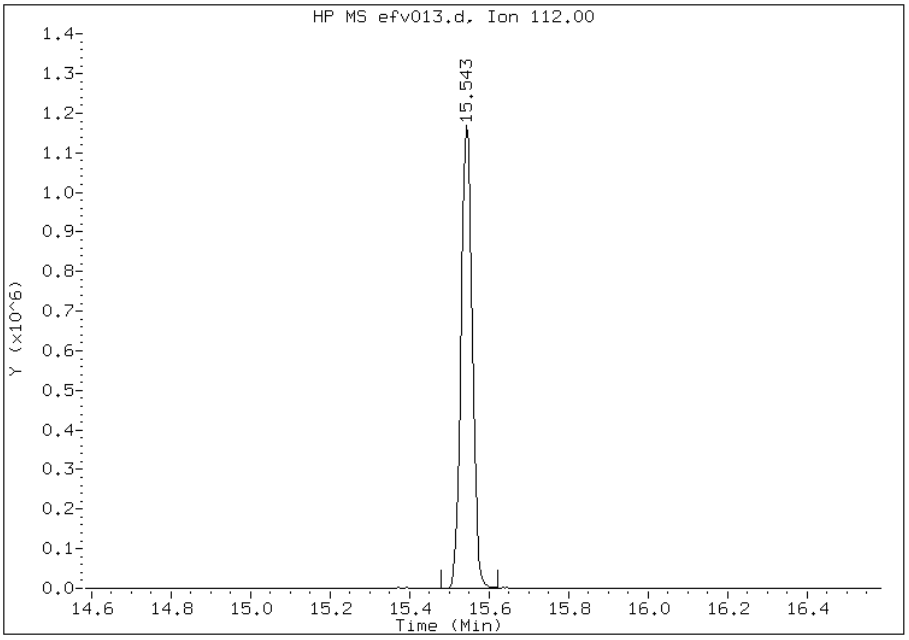
Manual Integration Results

RT: 15.54

Response: 2338554

Amount: 2.02

Conc: 2.02



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

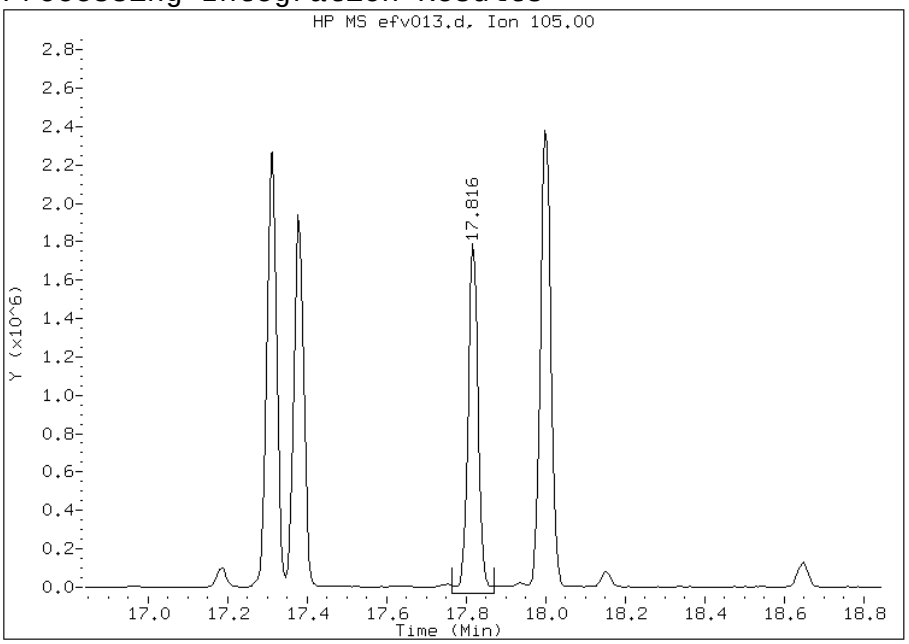
Processing Integration Results

RT: 17.82

Response: 3302442

Amount: 2.82

Conc: 2.82



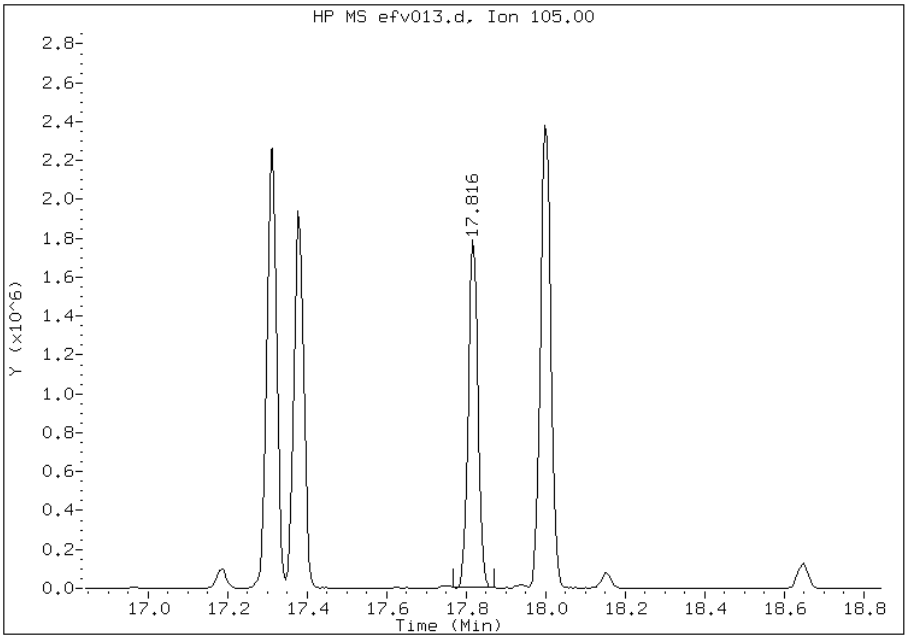
Manual Integration Results

RT: 17.82

Response: 3050724

Amount: 2.64

Conc: 2.64



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-57137/15 Calibration Date: 06/04/2013 22:54

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efv016.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	1.778	1.609		0.181	0.200	-9.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.505	1.446		0.192	0.200	-3.9	30.0
Bromomethane	Ave	0.5329	0.4946		0.186	0.200	-7.2	30.0
Chloroethane	Ave	0.2036	0.1775		0.174	0.200	-12.8	30.0
Trichlorofluoromethane	Ave	1.999	2.084		0.209	0.200	4.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.261	1.441		0.229	0.200	14.3	30.0
trans-1,2-Dichloroethene	Ave	0.7693	0.7387		0.192	0.200	-4.0	30.0
n-Hexane	Ave	0.7178	0.6817		0.190	0.200	-5.0	30.0
Chloroform	Ave	1.373	1.394		0.203	0.200	1.6	30.0
1,1,1-Trichloroethane	Ave	0.3458	0.3482		0.201	0.200	0.7	30.0
Carbon tetrachloride	Ave	0.3958	0.3984		0.201	0.200	0.6	30.0
n-Heptane	Ave	0.1549	0.1314		0.170	0.200	-15.2	30.0
1,2-Dichloropropane	Ave	0.1015	0.1001		0.197	0.200	-1.4	30.0
Bromodichloromethane	Ave	0.2792	0.2852		0.204	0.200	2.1	30.0
cis-1,3-Dichloropropene	Ave	0.1435	0.1461		0.204	0.200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.1256	0.1199		0.191	0.200	-4.5	30.0
Tetrachloroethene	Ave	0.2830	0.3042		0.215	0.200	7.5	30.0
Ethylbenzene	Ave	0.5265	0.5494		0.209	0.200	4.3	30.0
m-Xylene & p-Xylene	Ave	0.1913	0.2137		0.447	0.400	11.7	30.0
o-Xylene	Ave	0.1862	0.2033		0.219	0.200	9.2	30.0
4-Ethyltoluene	Ave	0.4018	0.4773		0.238	0.200	18.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv016.d
Lab Smp Id: icv 495528
Inj Date : 04-JUN-2013 22:54
Operator : wrd Inst ID: E.i
Smp Info : icv 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	229977	0.18103	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	206708	0.19226	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	41968	0.21611	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48439	0.18473	0.18
8 1,3-Butadiene	54	3.805	3.805	(0.383)	35010	0.19856	0.20
9 Bromomethane	94	4.410	4.415	(0.444)	70692	0.18565	0.18
10 Chloroethane	64	4.613	4.618	(0.465)	25374	0.17443	0.17
12 Vinyl bromide	106	4.993	4.993	(0.503)	81022	0.18257	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	297925	0.20855	0.21
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	205972	0.22870	0.23
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	92532	0.23281	0.23
22 Allyl chloride	41	7.063	7.074	(0.712)	63030	0.18010	0.18
25 Methylene chloride	49	7.357	7.368	(0.741)	81854	0.22126	0.22
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	105587	0.19209	0.19

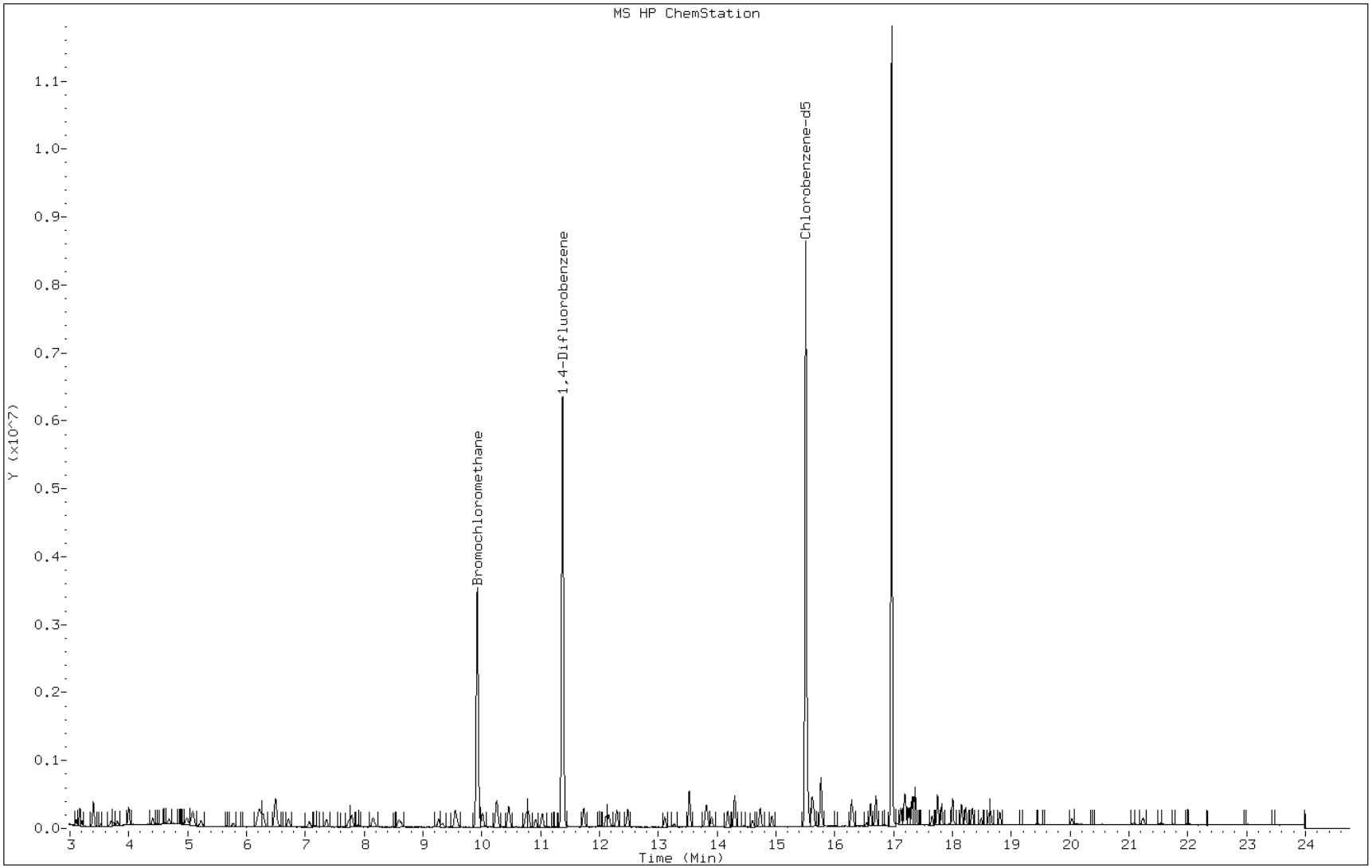
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	207851	0.22121	0.22
	30 n-Hexane	57	8.149	8.155	(0.821)	97441	0.19001	0.19
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	138853	0.20540	0.20
M	33 1,2-Dichloroethene, Total	61				190848	0.40623	0.41
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	85261	0.21414	0.21
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1428943	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	199313	0.20323	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	104734	0.20150	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	246942	0.20145	0.20
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	282538	0.20134	0.20
	43 2,2,4-Trimethylpentane	57	10.754	10.765	(0.945)	297062	0.21187	0.21
	44 Benzene	78	10.797	10.797	(0.949)	233715	0.19974	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	117257	0.19651	0.20
	46 n-Heptane	43	11.022	11.033	(0.969)	93168	0.16971	0.17
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7090366	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	116795	0.20284	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	71007	0.19726	0.20
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	202278	0.20435	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	103608	0.20367	0.20
	58 Toluene	92	13.531	13.536	(0.873)	172383	0.22320	0.22
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	96214	0.18847	0.19
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	75954	0.19105	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	192659	0.21506	0.22
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	202126	0.20636	0.21
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	139201	0.20534	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6330946	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	232459	0.20881	0.21(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	347894	0.20874	0.21
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	270654	0.44705	0.45
M	70 Xylene, Total	106				399423	0.66556	0.66
	71 Xylene (o)	106	16.281	16.281	(1.050)	128769	0.21851	0.22(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	187011	0.20511	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107768	0.17390	0.17
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	302254	0.23766	0.24
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	242909	0.23112	0.23
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	195236	0.17617	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 495528
Lab Sample ID: icv 495528

Date: 04-JUN-2013 22:54
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-57137/15 Calibration Date: 06/04/2013 22:54

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efv016.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
Chloromethane	Ave	0.2718	0.2936		0.216	0.200	8.0	30.0
Vinyl chloride	Ave	0.3670	0.3389		0.185	0.200	-7.7	30.0
1,3-Butadiene	Ave	0.2468	0.2449		0.199	0.200	-0.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6211	0.5669		0.183	0.200	-8.7	30.0
1,1-Dichloroethene	Ave	0.5563	0.6474		0.233	0.200	16.4	30.0
3-Chloropropene	Ave	0.4898	0.4410		0.180	0.200	-10.0	30.0
Methylene Chloride	Ave	0.5178	0.5727		0.221	0.200	10.6	30.0
Methyl tert-butyl ether	Ave	1.315	1.454		0.221	0.200	10.6	30.0
1,1-Dichloroethane	Ave	0.9462	0.9715		0.205	0.200	2.7	30.0
cis-1,2-Dichloroethene	Ave	0.5573	0.5965		0.214	0.200	7.0	30.0
Cyclohexane	Ave	0.1466	0.1477		0.202	0.200	0.7	30.0
2,2,4-Trimethylpentane	Ave	0.3955	0.4189		0.212	0.200	5.9	30.0
Benzene	Ave	0.3301	0.3295		0.200	0.200	-0.2	30.0
1,2-Dichloroethane	Ave	0.1683	0.1653		0.197	0.200	-1.8	30.0
Trichloroethene	Ave	0.1624	0.1647		0.203	0.200	1.4	30.0
Toluene	Ave	0.2440	0.2722		0.223	0.200	11.6	30.0
trans-1,3-Dichloropropene	Ave	0.1440	0.1357		0.188	0.200	-5.8	30.0
Dibromochloromethane	Ave	0.3094	0.3192		0.206	0.200	3.2	30.0
1,2-Dibromoethane	Ave	0.2142	0.2198		0.205	0.200	2.6	30.0
Chlorobenzene	Ave	0.3517	0.3671		0.209	0.200	4.4	30.0
Bromoform	Ave	0.2880	0.2953		0.205	0.200	2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.1958	0.1702		0.174	0.200	-13.1	30.0
1,3,5-Trimethylbenzene	Ave	0.3320	0.3836		0.231	0.200	15.5	30.0
1,2,4-Trimethylbenzene	Ave	0.3501	0.3083		0.176	0.200	-11.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv016.d
Lab Smp Id: icv 495528
Inj Date : 04-JUN-2013 22:54
Operator : wrd Inst ID: E.i
Smp Info : icv 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	229977	0.18103	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	206708	0.19226	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	41968	0.21611	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48439	0.18473	0.18
8 1,3-Butadiene	54	3.805	3.805	(0.383)	35010	0.19856	0.20
9 Bromomethane	94	4.410	4.415	(0.444)	70692	0.18565	0.18
10 Chloroethane	64	4.613	4.618	(0.465)	25374	0.17443	0.17
12 Vinyl bromide	106	4.993	4.993	(0.503)	81022	0.18257	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	297925	0.20855	0.21
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	205972	0.22870	0.23
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	92532	0.23281	0.23
22 Allyl chloride	41	7.063	7.074	(0.712)	63030	0.18010	0.18
25 Methylene chloride	49	7.357	7.368	(0.741)	81854	0.22126	0.22
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	105587	0.19209	0.19

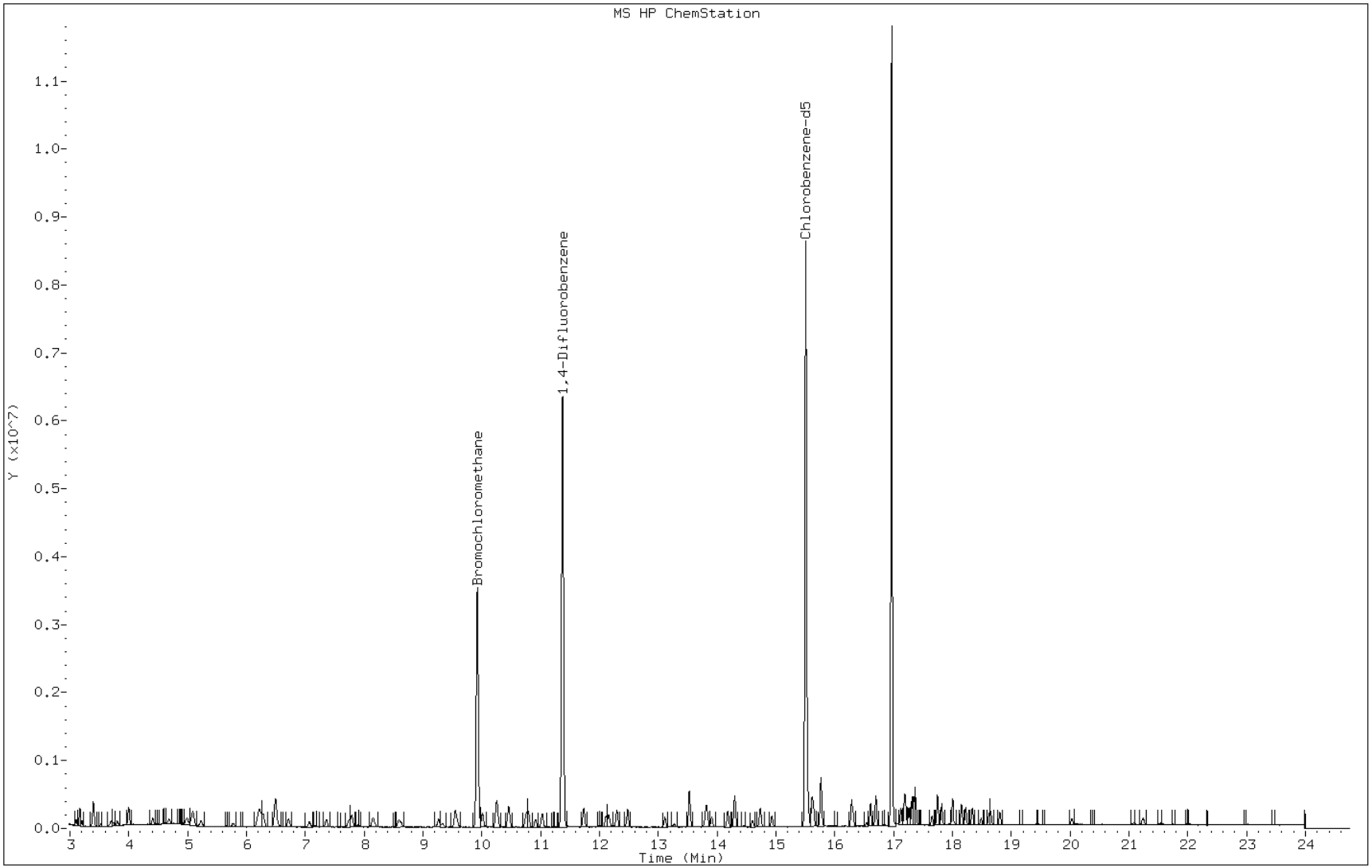
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	207851	0.22121	0.22
	30 n-Hexane	57	8.149	8.155	(0.821)	97441	0.19001	0.19
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	138853	0.20540	0.20
M	33 1,2-Dichloroethene, Total	61				190848	0.40623	0.41
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	85261	0.21414	0.21
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1428943	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	199313	0.20323	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	104734	0.20150	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	246942	0.20145	0.20
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	282538	0.20134	0.20
	43 2,2,4-Trimethylpentane	57	10.754	10.765	(0.945)	297062	0.21187	0.21
	44 Benzene	78	10.797	10.797	(0.949)	233715	0.19974	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	117257	0.19651	0.20
	46 n-Heptane	43	11.022	11.033	(0.969)	93168	0.16971	0.17
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7090366	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	116795	0.20284	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	71007	0.19726	0.20
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	202278	0.20435	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	103608	0.20367	0.20
	58 Toluene	92	13.531	13.536	(0.873)	172383	0.22320	0.22
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	96214	0.18847	0.19
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	75954	0.19105	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	192659	0.21506	0.22
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	202126	0.20636	0.21
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	139201	0.20534	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6330946	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	232459	0.20881	0.21(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	347894	0.20874	0.21
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	270654	0.44705	0.45
M	70 Xylene, Total	106				399423	0.66556	0.66
	71 Xylene (o)	106	16.281	16.281	(1.050)	128769	0.21851	0.22(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	187011	0.20511	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107768	0.17390	0.17
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	302254	0.23766	0.24
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	242909	0.23112	0.23
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	195236	0.17617	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 495528
Lab Sample ID: icv 495528

Date: 04-JUN-2013 22:54
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



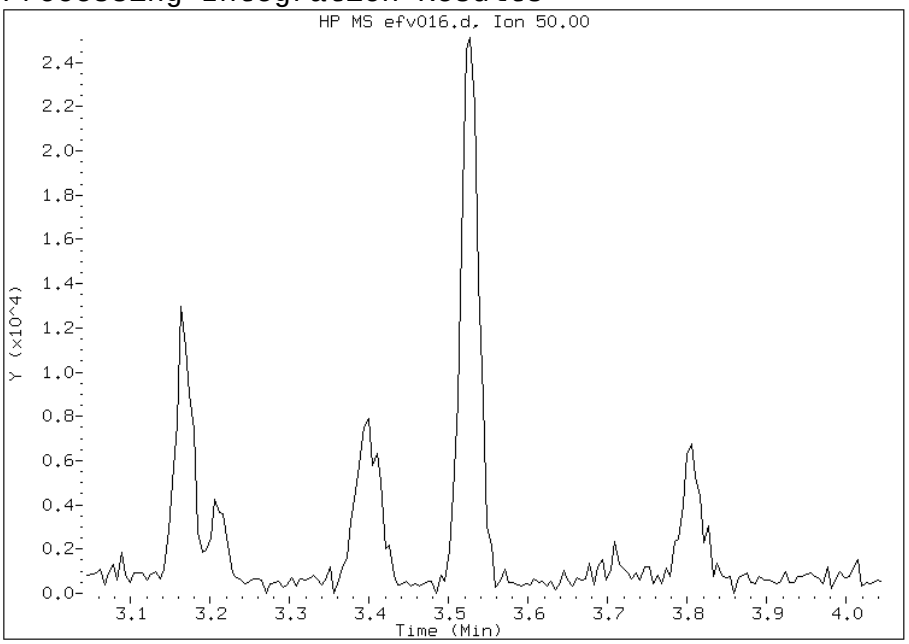
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



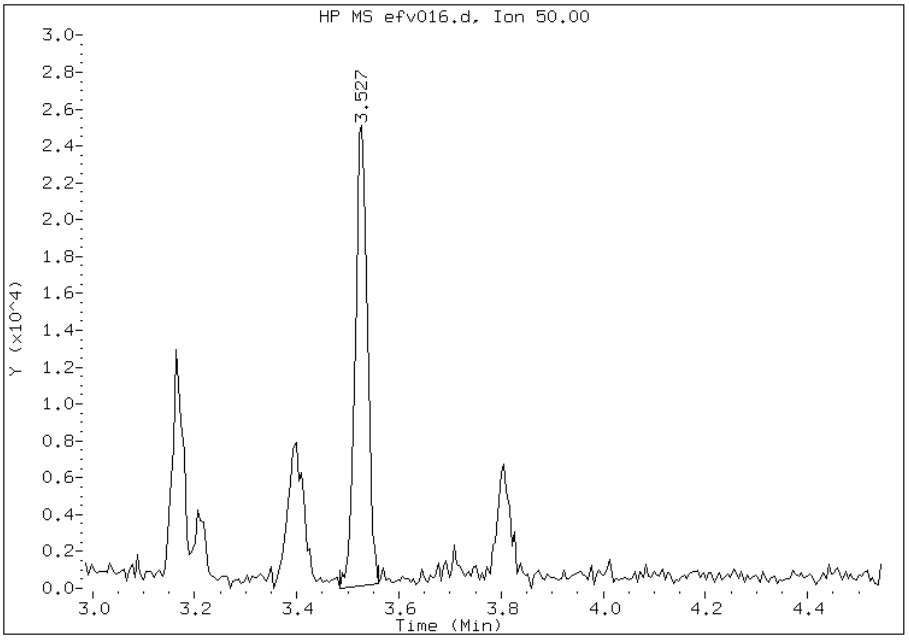
Manual Integration Results

RT: 3.53

Response: 41968

Amount: 0.216114

Conc: 0.216114



File Uploaded By: wrd
Manual Integration Reason: Baseline event

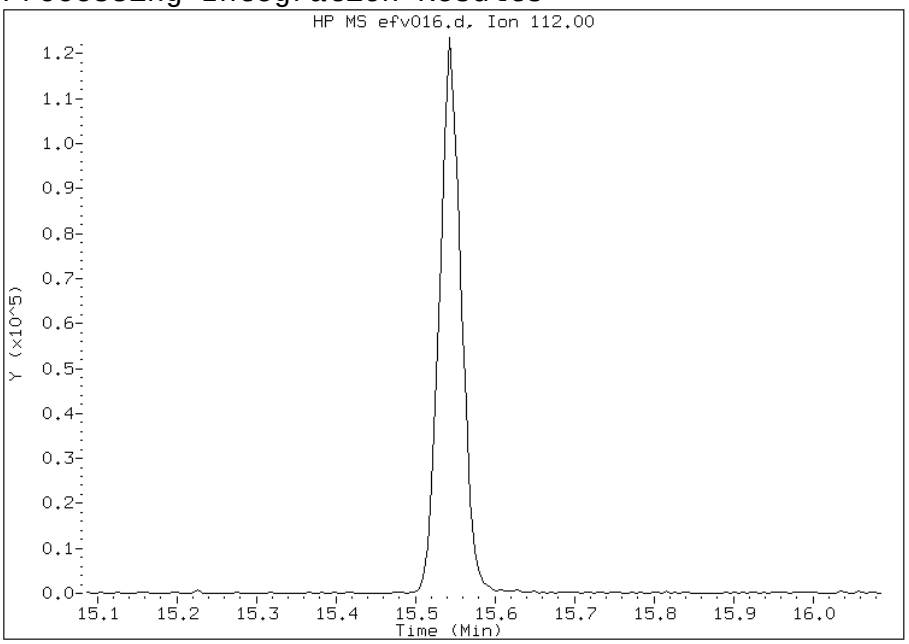
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



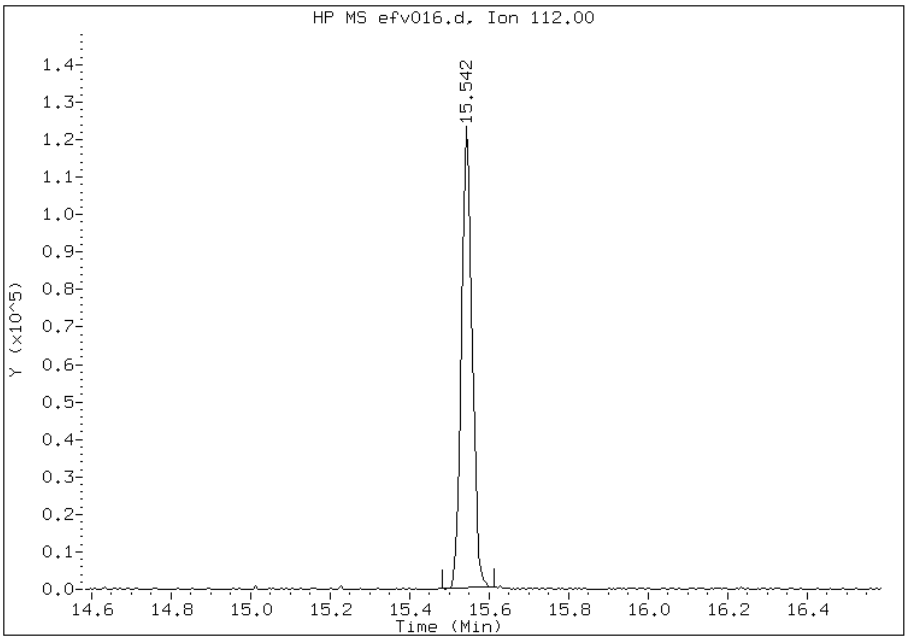
Manual Integration Results

RT: 15.54

Response: 232459

Amount: 0.208808

Conc: 0.208808



File Uploaded By: wrd
Manual Integration Reason: Baseline event

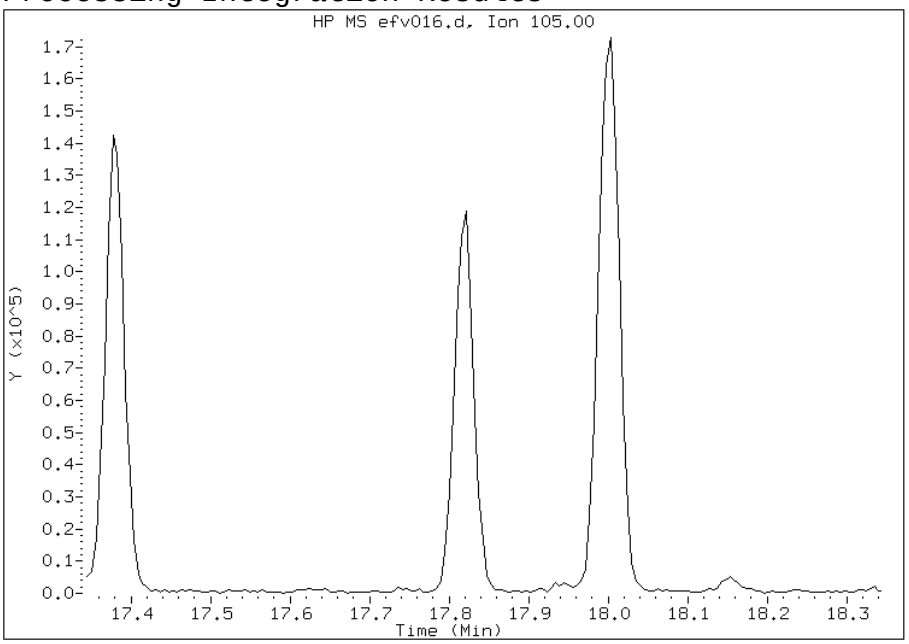
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



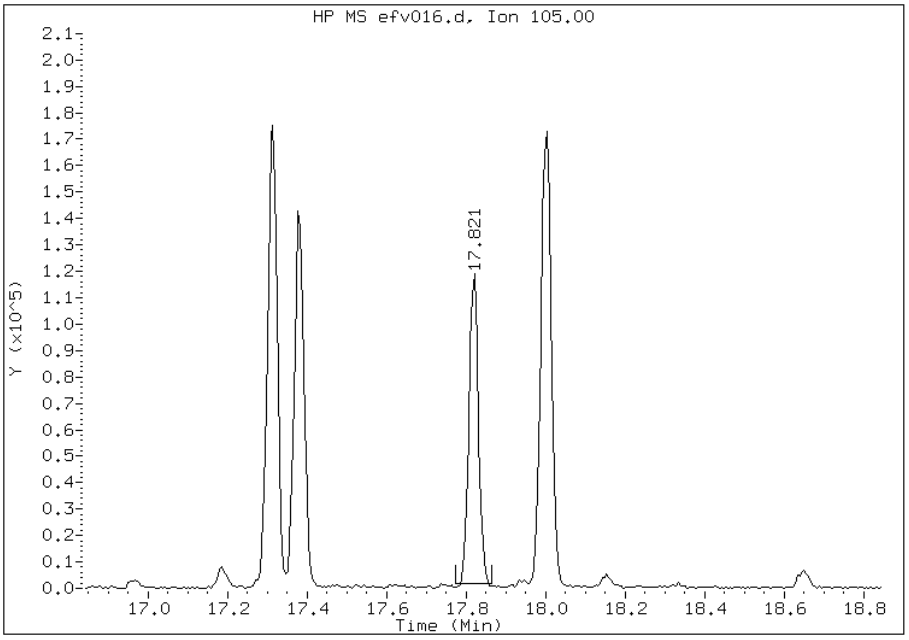
Manual Integration Results

RT: 17.82

Response: 195236

Amount: 0.176168

Conc: 0.176168



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-57144/2 Calibration Date: 06/12/2013 11:56

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efvd002.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	1.778	1.864		0.210	0.200	4.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.505	1.623		0.216	0.200	7.8	30.0
Bromomethane	Ave	0.5329	0.5264		0.198	0.200	-1.2	30.0
Chloroethane	Ave	0.2036	0.1989		0.195	0.200	-2.3	30.0
Trichlorofluoromethane	Ave	1.999	2.009		0.201	0.200	0.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.261	1.264		0.201	0.200	0.3	30.0
trans-1,2-Dichloroethene	Ave	0.7693	0.7439		0.193	0.200	-3.3	30.0
n-Hexane	Ave	0.7178	0.6848		0.191	0.200	-4.6	30.0
Chloroform	Ave	1.373	1.341		0.195	0.200	-2.3	30.0
1,1,1-Trichloroethane	Ave	0.3458	0.3535		0.205	0.200	2.2	30.0
Carbon tetrachloride	Ave	0.3958	0.4009		0.203	0.200	1.3	30.0
n-Heptane	Ave	0.1549	0.1544		0.199	0.200	-0.3	30.0
1,2-Dichloropropane	Ave	0.1015	0.1024		0.202	0.200	0.9	30.0
Bromodichloromethane	Ave	0.2792	0.2645		0.190	0.200	-5.3	30.0
cis-1,3-Dichloropropene	Ave	0.1435	0.1492		0.208	0.200	4.0	30.0
1,1,2-Trichloroethane	Ave	0.1256	0.1154		0.184	0.200	-8.1	30.0
Tetrachloroethene	Ave	0.2830	0.2892		0.204	0.200	2.2	30.0
Ethylbenzene	Ave	0.5265	0.5333		0.203	0.200	1.3	30.0
m-Xylene & p-Xylene	Ave	0.1913	0.2050		0.429	0.400	7.2	30.0
o-Xylene	Ave	0.1862	0.1991		0.214	0.200	7.0	30.0
4-Ethyltoluene	Ave	0.4018	0.4335		0.216	0.200	7.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd002.d
Lab Smp Id: ccvis 495526
Inj Date : 12-JUN-2013 11:56
Operator : wrd Inst ID: E.i
Smp Info : ccvis 495526
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

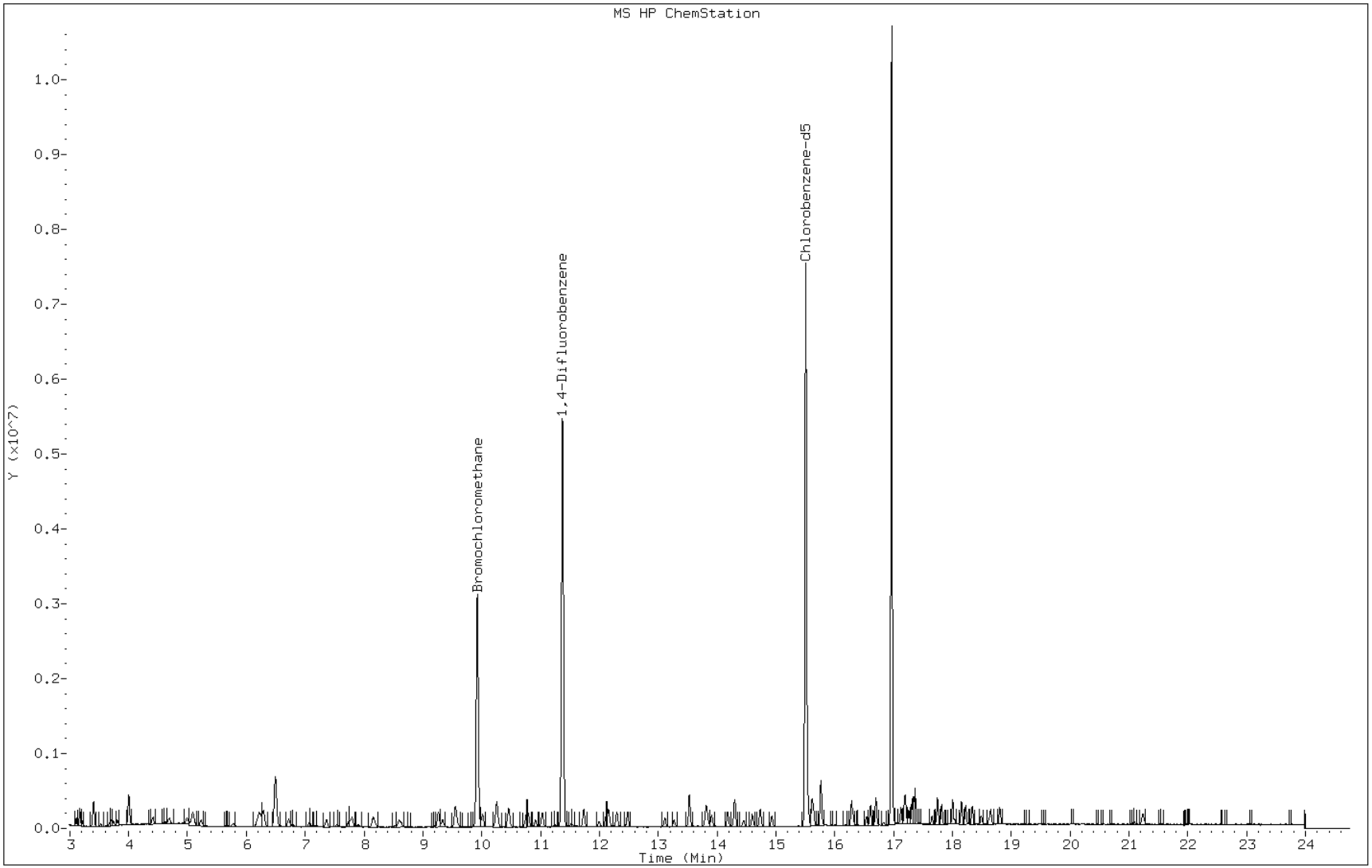
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	221032	0.20000	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	192442	0.20000	0.22
5 Chloromethane	50	3.527	3.543	(0.355)	39985	0.20000	0.25(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	51325	0.20000	0.24
8 1,3-Butadiene	54	3.805	3.805	(0.383)	30058	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62427	0.20000	0.20
10 Chloroethane	64	4.624	4.618	(0.466)	23583	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	69952	0.20000	0.19
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	238200	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	149881	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	64201	0.20000	0.19
22 Allyl chloride	41	7.074	7.074	(0.713)	51540	0.20000	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	71397	0.20000	0.23
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	88227	0.20000	0.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.759	7.753	(0.782)	154345	0.20000	0.20
	30 n-Hexane	57	8.160	8.155	(0.822)	81214	0.20000	0.19
	31 1,1-Dichloroethane	63	8.588	8.599	(0.865)	115349	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				151610	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	63383	0.20000	0.19
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1185628	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	159000	0.20000	0.20
	40 Cyclohexane	84	10.257	10.252	(0.902)	84333	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	205943	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	233523	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.946)	240672	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.950)	173536	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	104017	0.20000	0.21
	46 n-Heptane	43	11.027	11.033	(0.970)	89939	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.370	11.375	(1.000)	5824128	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94302	0.20000	0.20
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	59667	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.098)	154080	0.20000	0.19
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.153)	86934	0.20000	0.21
	58 Toluene	92	13.531	13.536	(0.873)	129745	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	82185	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	61011	0.20000	0.18
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	152929	0.20000	0.20
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	155907	0.20000	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	109068	0.20000	0.19
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5286725	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	186499	0.20000	0.20(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	282033	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	216792	0.40000	0.43
M	70 Xylene, Total	106				322086	0.60000	0.64
	71 Xylene (o)	106	16.286	16.281	(1.050)	105294	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	141637	0.20000	0.19
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107029	0.20000	0.21
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	229231	0.20000	0.22
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	185997	0.20000	0.21
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	164158	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efvd002.d	Date:	12-JUN-2013 11:56
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 495526		
Lab Sample ID:	ccvis 495526		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-57144/2 Calibration Date: 06/12/2013 11:56

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efvd002.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
Chloromethane	Ave	0.2718	0.3372		0.248	0.200	24.0	30.0
Vinyl chloride	Ave	0.3670	0.4328		0.236	0.200	17.9	30.0
1,3-Butadiene	Ave	0.2468	0.2535		0.205	0.200	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6211	0.5899		0.190	0.200	-5.0	30.0
1,1-Dichloroethene	Ave	0.5563	0.5414		0.195	0.200	-2.7	30.0
3-Chloropropene	Ave	0.4898	0.4346		0.177	0.200	-11.3	30.0
Methylene Chloride	Ave	0.5178	0.6020		0.233	0.200	16.3	30.0
Methyl tert-butyl ether	Ave	1.315	1.301		0.198	0.200	-1.0	30.0
1,1-Dichloroethane	Ave	0.9462	0.9726		0.206	0.200	2.8	30.0
cis-1,2-Dichloroethene	Ave	0.5573	0.5345		0.192	0.200	-4.1	30.0
Cyclohexane	Ave	0.1466	0.1448		0.198	0.200	-1.3	30.0
2,2,4-Trimethylpentane	Ave	0.3955	0.4131		0.209	0.200	4.5	30.0
Benzene	Ave	0.3301	0.2979		0.181	0.200	-9.7	30.0
1,2-Dichloroethane	Ave	0.1683	0.1786		0.212	0.200	6.1	30.0
Trichloroethene	Ave	0.1624	0.1619		0.199	0.200	-0.3	30.0
Toluene	Ave	0.2440	0.2454		0.201	0.200	0.6	30.0
trans-1,3-Dichloropropene	Ave	0.1440	0.1411		0.196	0.200	-2.0	30.0
Dibromochloromethane	Ave	0.3094	0.2948		0.191	0.200	-4.7	30.0
1,2-Dibromoethane	Ave	0.2142	0.2063		0.193	0.200	-3.7	30.0
Chlorobenzene	Ave	0.3517	0.3527		0.201	0.200	0.3	30.0
Bromoform	Ave	0.2880	0.2678		0.186	0.200	-7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.1958	0.2024		0.207	0.200	3.4	30.0
1,3,5-Trimethylbenzene	Ave	0.3320	0.3517		0.212	0.200	5.9	30.0
1,2,4-Trimethylbenzene	Ave	0.3501	0.3104		0.177	0.200	-11.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd002.d
Lab Smp Id: ccvis 495526
Inj Date : 12-JUN-2013 11:56
Operator : wrd Inst ID: E.i
Smp Info : ccvis 495526
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	221032	0.20000	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	192442	0.20000	0.22
5 Chloromethane	50	3.527	3.543	(0.355)	39985	0.20000	0.25(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	51325	0.20000	0.24
8 1,3-Butadiene	54	3.805	3.805	(0.383)	30058	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62427	0.20000	0.20
10 Chloroethane	64	4.624	4.618	(0.466)	23583	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	69952	0.20000	0.19
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	238200	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	149881	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	64201	0.20000	0.19
22 Allyl chloride	41	7.074	7.074	(0.713)	51540	0.20000	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	71397	0.20000	0.23
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	88227	0.20000	0.19

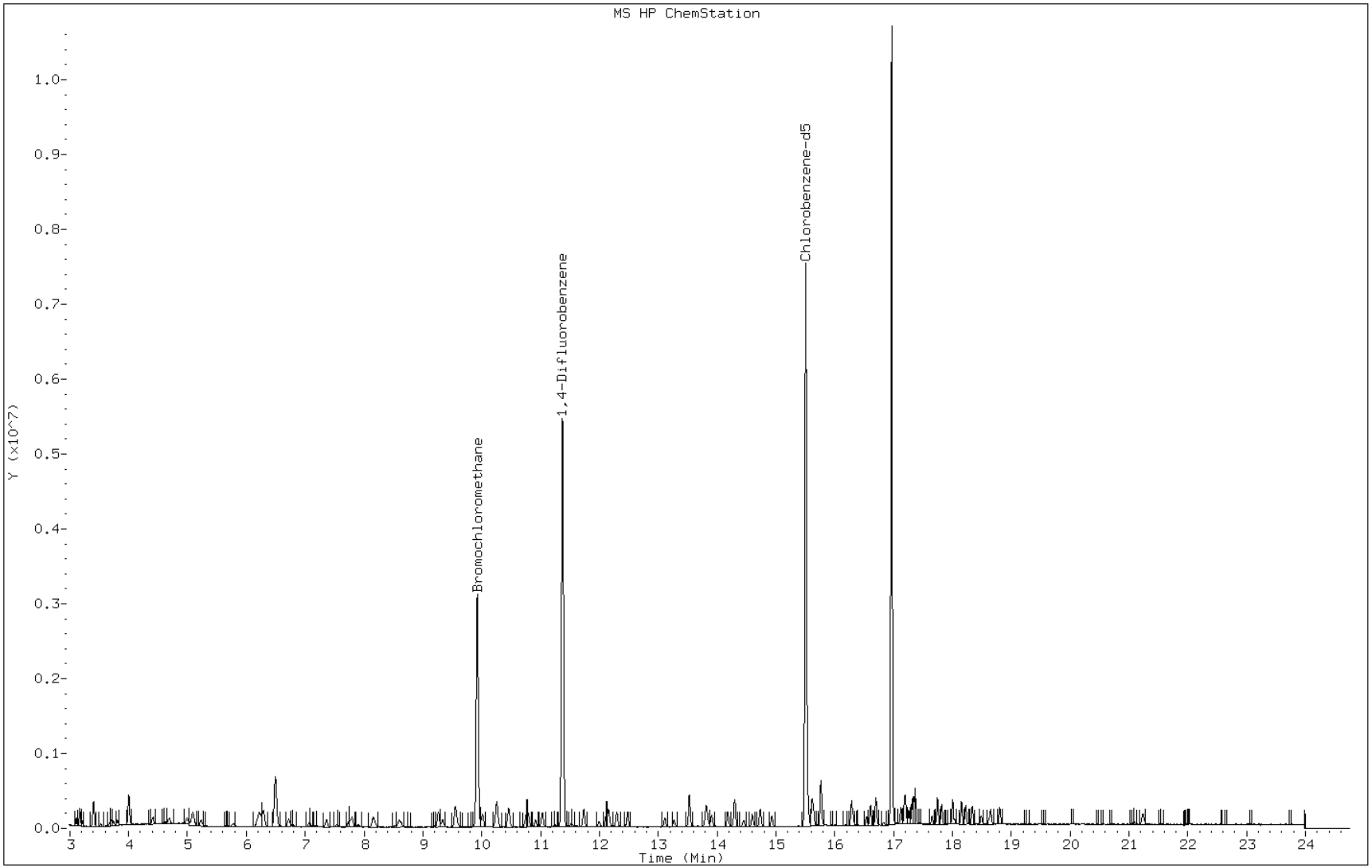
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.759	7.753	(0.782)	154345	0.20000	0.20
	30 n-Hexane	57	8.160	8.155	(0.822)	81214	0.20000	0.19
	31 1,1-Dichloroethane	63	8.588	8.599	(0.865)	115349	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				151610	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	63383	0.20000	0.19
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1185628	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	159000	0.20000	0.20
	40 Cyclohexane	84	10.257	10.252	(0.902)	84333	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	205943	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	233523	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.946)	240672	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.950)	173536	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	104017	0.20000	0.21
	46 n-Heptane	43	11.027	11.033	(0.970)	89939	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.370	11.375	(1.000)	5824128	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94302	0.20000	0.20
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	59667	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.098)	154080	0.20000	0.19
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.153)	86934	0.20000	0.21
	58 Toluene	92	13.531	13.536	(0.873)	129745	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	82185	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	61011	0.20000	0.18
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	152929	0.20000	0.20
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	155907	0.20000	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	109068	0.20000	0.19
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5286725	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	186499	0.20000	0.20(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	282033	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	216792	0.40000	0.43
M	70 Xylene, Total	106				322086	0.60000	0.64
	71 Xylene (o)	106	16.286	16.281	(1.050)	105294	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	141637	0.20000	0.19
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107029	0.20000	0.21
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	229231	0.20000	0.22
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	185997	0.20000	0.21
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	164158	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efvd002.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 495526
Lab Sample ID: ccvis 495526

Date: 12-JUN-2013 11:56
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



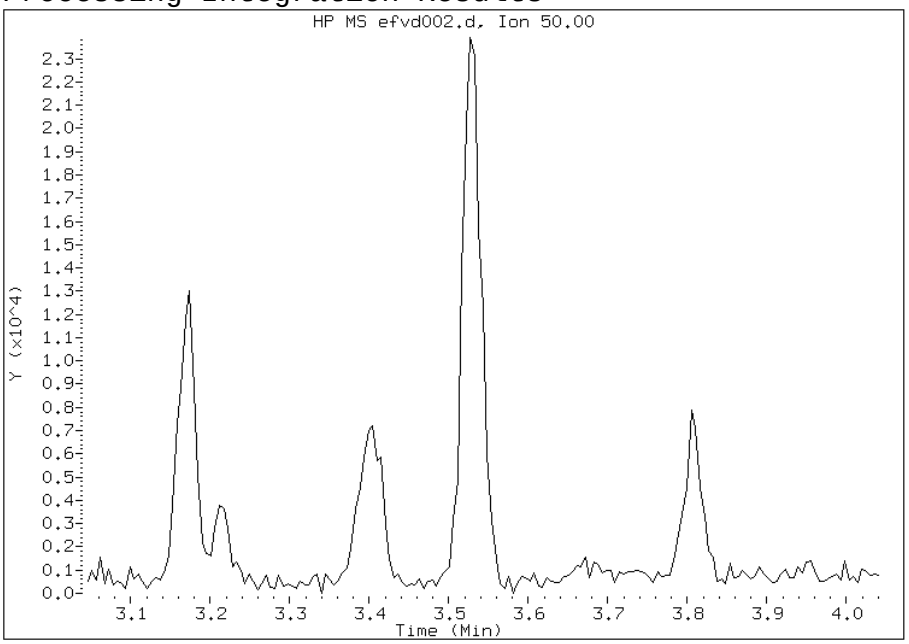
Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



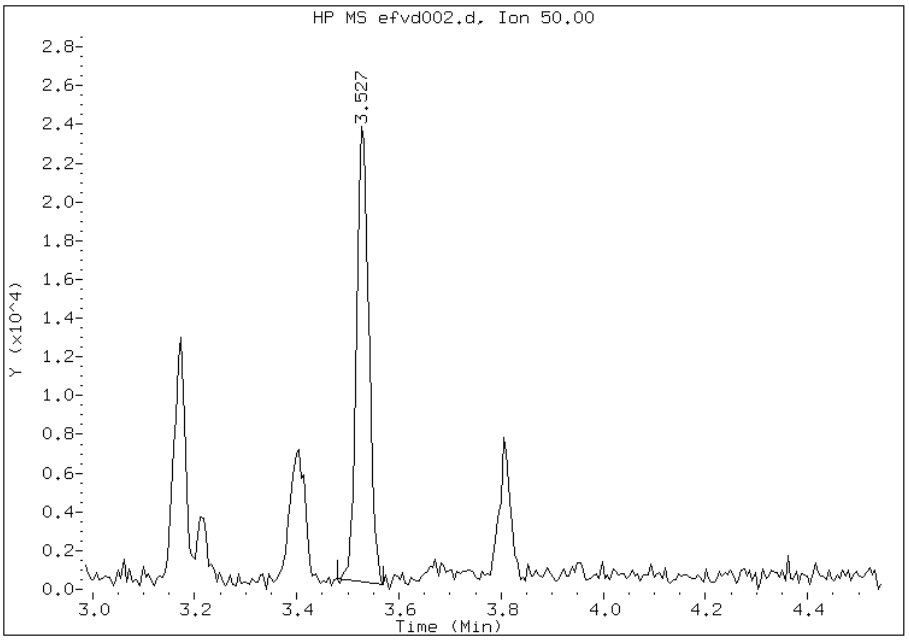
Manual Integration Results

RT: 3.53

Response: 39985

Amount: 0.248158

Conc: 0.248158



File Uploaded By: wrd
Manual Integration Reason: Baseline event

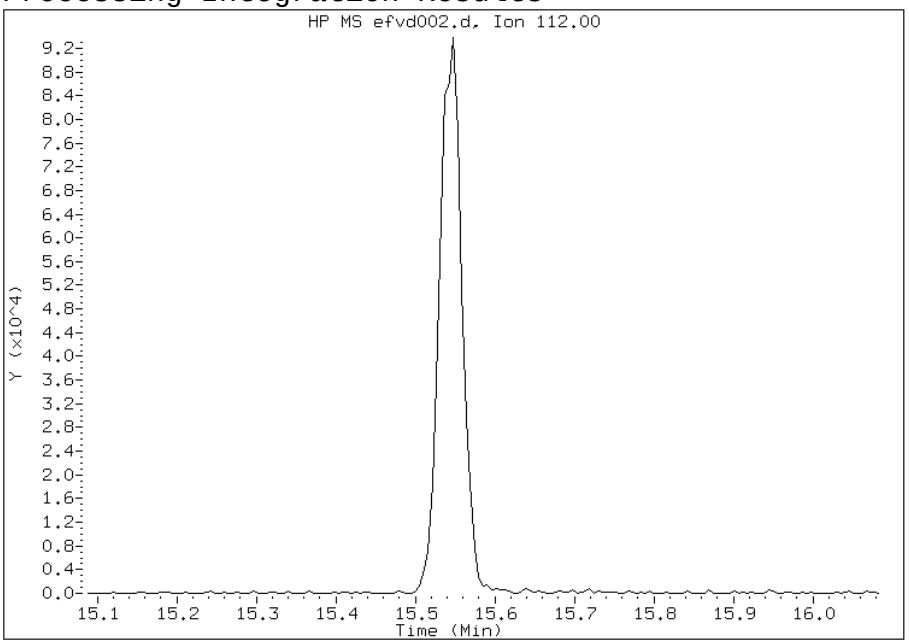
Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



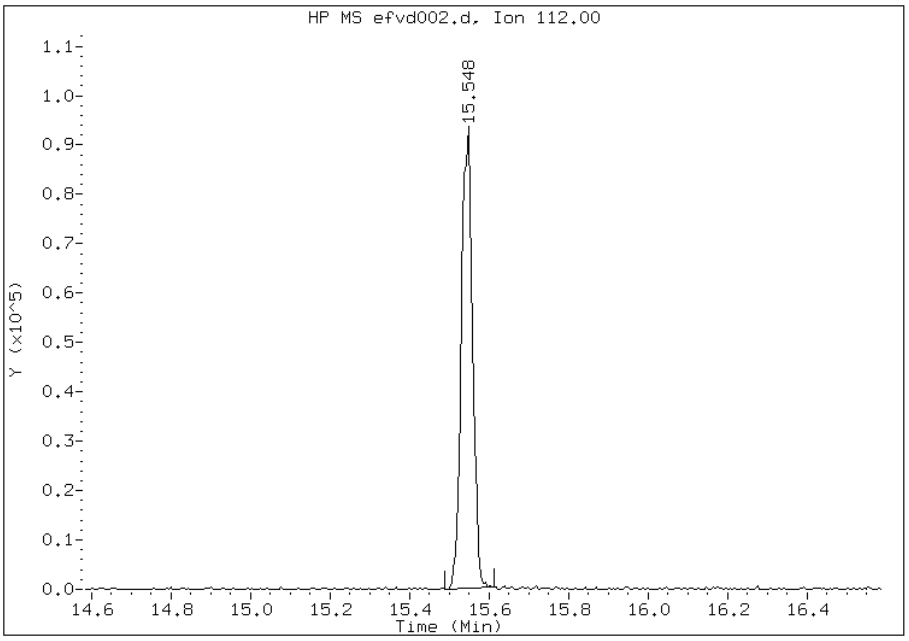
Manual Integration Results

RT: 15.55

Response: 186499

Amount: 0.200613

Conc: 0.200613



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

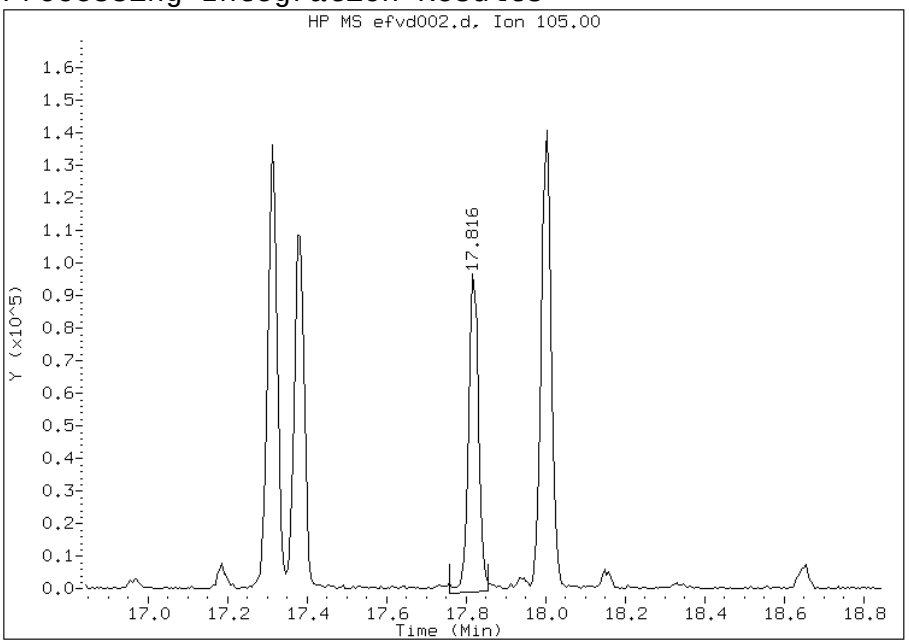
Processing Integration Results

RT: 17.82

Response: 175969

Amount: 0.190147

Conc: 0.190147



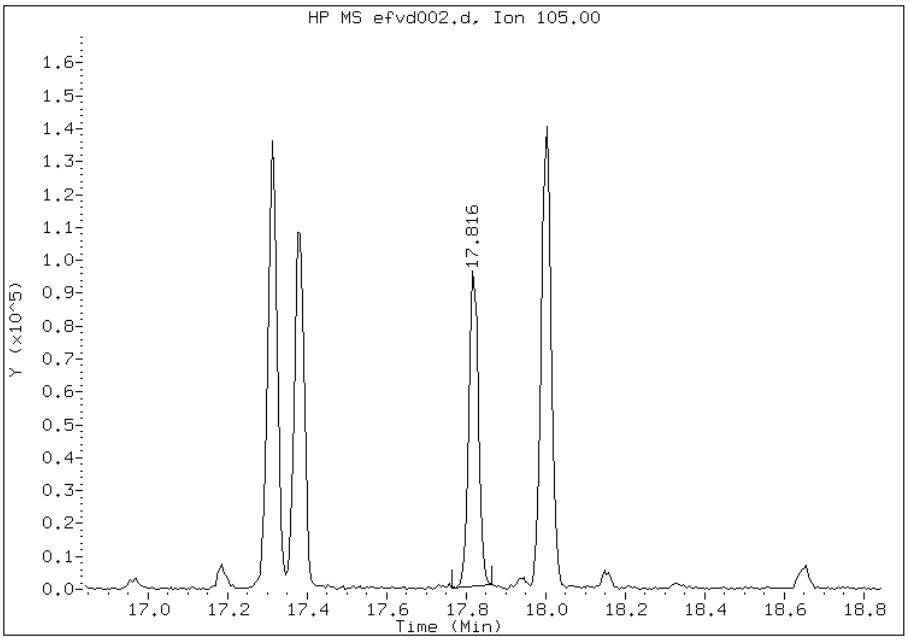
Manual Integration Results

RT: 17.82

Response: 164158

Amount: 0.177383

Conc: 0.177383



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efvto15.b/efv001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 04-JUN-2013 09:05
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : 50,1
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

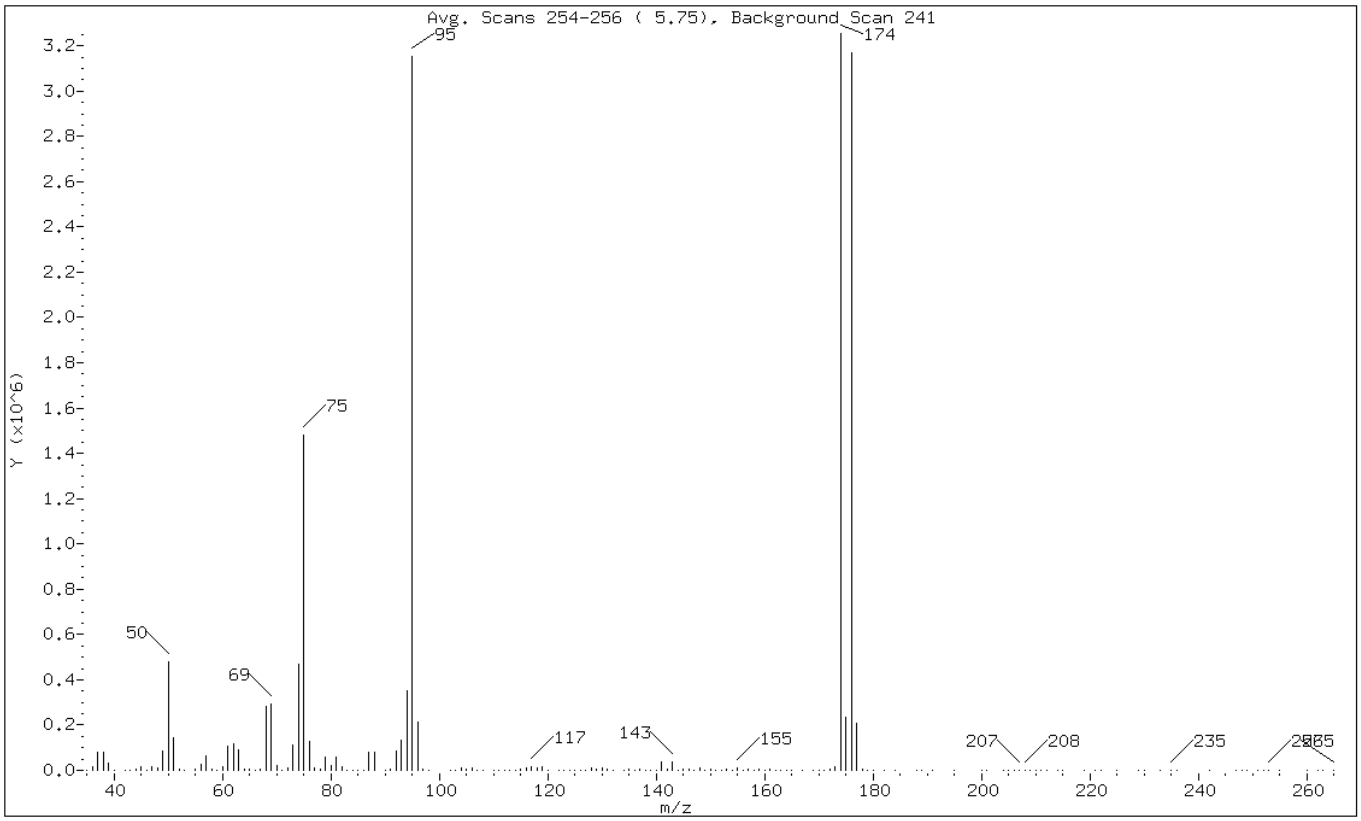
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.746	5.750	-0.004	95	3154782			100.00- 100.00	96.94
5.746	5.750	-0.004	50	478286			8.00- 40.00	15.16
5.746	5.750	-0.004	75	1479365			30.00- 66.00	46.89
5.746	5.750	-0.004	96	215261			5.00- 9.00	6.82
5.746	5.750	-0.004	173	15767			0.00- 2.00	0.48
5.746	5.750	-0.004	174	3254442			50.00- 120.00	103.16
5.746	5.750	-0.004	175	232789			4.00- 9.00	7.15
5.746	5.750	-0.004	176	3166890			93.00- 101.00	97.31
5.746	5.750	-0.004	177	209140			5.00- 9.00	6.60

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 04-JUN-2013 09:05
Instrument: E.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	15.16
75	30.00 - 66.00% of mass 95	46.89
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.50 (0.48)
174	50.00 - 120.00% of mass 95	103.16
175	4.00 - 9.00% of mass 174	7.38 (7.15)
176	93.00 - 101.00% of mass 174	100.38 (97.31)
177	5.00 - 9.00% of mass 176	6.63 (6.60)

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 04-JUN-2013 09:05
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

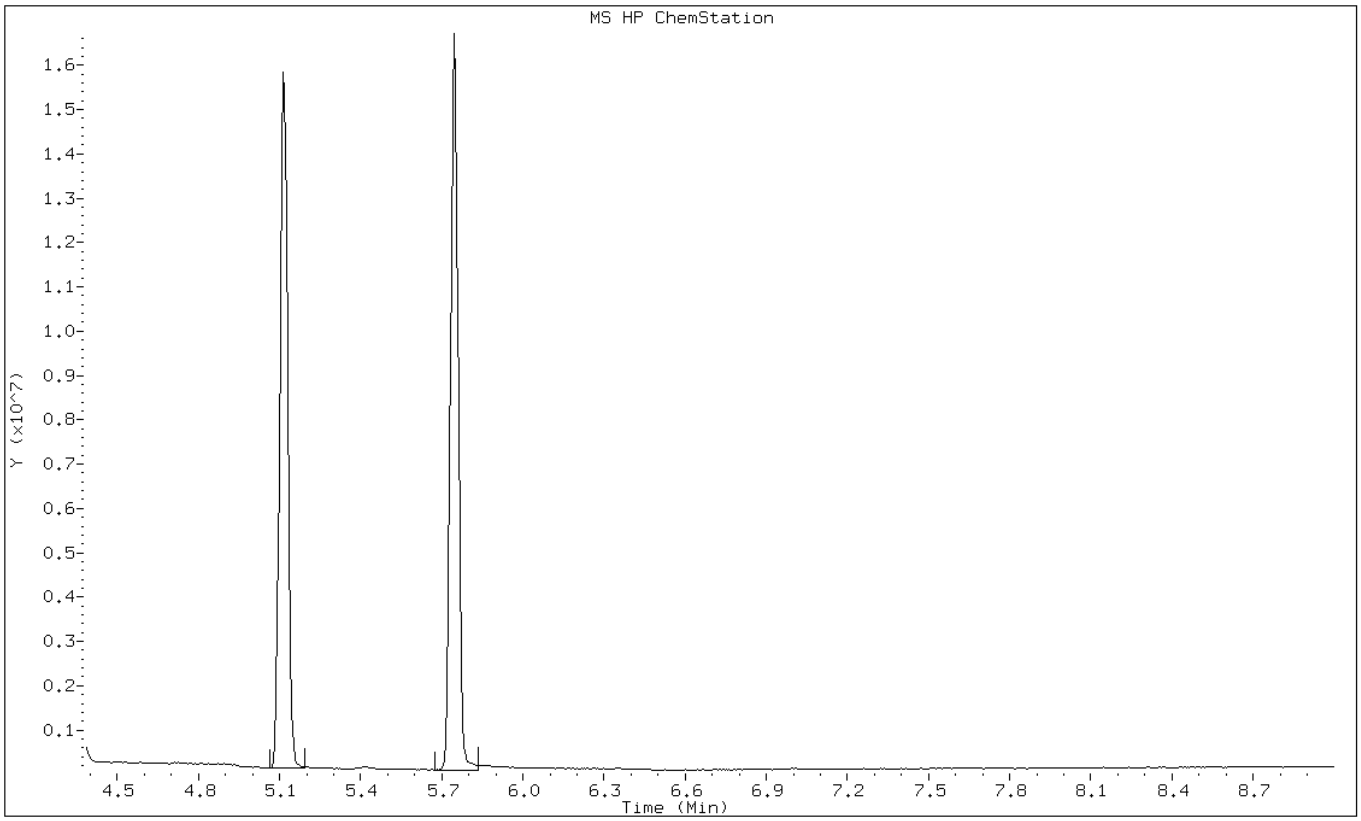
Data File: /chem/E.i/Esvr.p/efvto15.b/efv001.d
Spectrum: Avg. Scans 254-256 (5.75), Background Scan 241
Location of Maximum: 174.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	160	81.00	60504	131.00	5054	178.00	6319
36.00	13636	82.00	15619	132.00	963	179.00	107
37.00	81736	83.00	1867	134.00	670	180.00	89
38.00	77800	84.00	202	135.00	5691	182.00	60
39.00	32952	85.00	247	136.00	757	184.00	119
40.00	1835	86.00	1548	137.00	5470	188.00	56
42.00	464	87.00	81992	138.00	184	189.00	314
43.00	539	88.00	78616	139.00	869	191.00	162
44.00	6828	90.00	184	140.00	2353	195.00	19
45.00	17136	91.00	7457	141.00	35376	200.00	114
46.00	1549	92.00	83800	142.00	3558	201.00	86
47.00	15851	93.00	131904	143.00	37064	204.00	94
48.00	10547	94.00	352192	144.00	2058	205.00	163
49.00	84992	95.00	3154432	145.00	3521	206.00	157
50.00	478272	96.00	215232	146.00	5344	207.00	2291
51.00	145856	97.00	4893	147.00	2580	208.00	515
52.00	5261	98.00	296	148.00	8474	209.00	261
53.00	580	102.00	131	149.00	2367	210.00	244
55.00	4318	103.00	1162	150.00	4078	211.00	202
56.00	29160	104.00	10801	151.00	228	212.00	106
57.00	63728	105.00	3764	152.00	1493	214.00	99
58.00	2816	106.00	12345	153.00	2959	215.00	83
59.00	104	107.00	2338	154.00	2427	219.00	184
60.00	17464	108.00	91	155.00	9915	221.00	195
61.00	107904	110.00	1280	156.00	1943	222.00	219
62.00	115608	111.00	2338	157.00	6801	225.00	65
63.00	90184	112.00	2136	158.00	985	229.00	75
64.00	7860	113.00	2226	159.00	4171	230.00	52
65.00	3221	114.00	520	160.00	255	233.00	84
66.00	604	115.00	4034	161.00	4698	235.00	209
67.00	5264	116.00	10187	162.00	94	236.00	126
68.00	283584	117.00	17272	163.00	29	242.00	76
69.00	292480	118.00	10986	164.00	105	247.00	135
70.00	21104	119.00	14801	165.00	139	248.00	55
71.00	767	120.00	502	167.00	111	249.00	57
72.00	12224	122.00	780	169.00	110	251.00	11
73.00	113304	123.00	1131	170.00	349	252.00	192
74.00	468864	124.00	2501	171.00	438	253.00	580
75.00	1479168	125.00	1083	172.00	4860	255.00	238
76.00	127352	126.00	1333	173.00	15767	260.00	412
77.00	11899	127.00	107	174.00	3254272	262.00	113
78.00	7509	128.00	12452	175.00	232768	263.00	71
79.00	60368	129.00	4979	176.00	3166720	265.00	265

80.00	20656	130.00	11726	177.00	209088		

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 04-JUN-2013 09:05
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 12-JUN-2013 11:02
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : 50,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

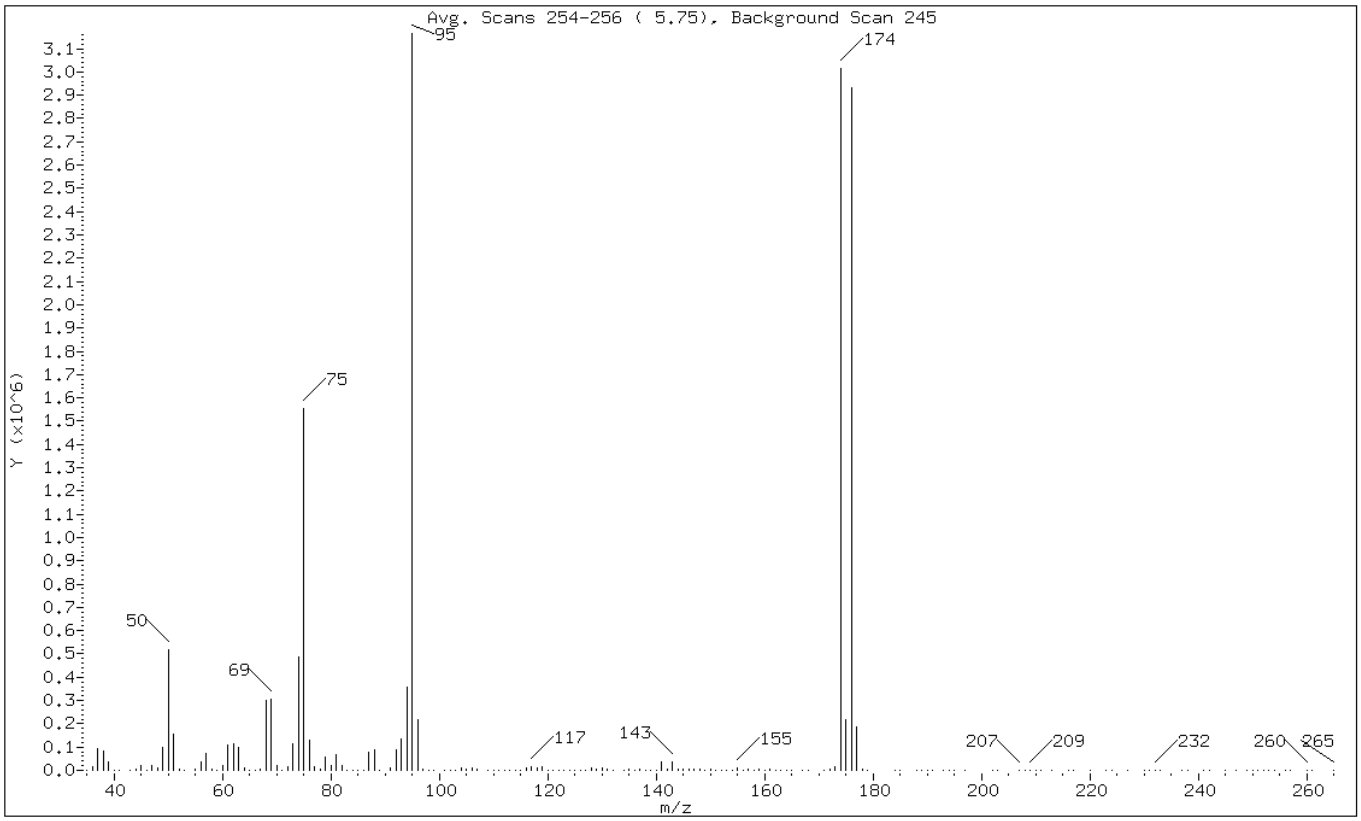
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.746	5.750	-0.004	95	3165421			100.00- 100.00	100.00
5.746	5.750	-0.004	50	516323			8.00- 40.00	16.31
5.746	5.750	-0.004	75	1553534			30.00- 66.00	49.08
5.746	5.750	-0.004	96	216521			5.00- 9.00	6.84
5.746	5.750	-0.004	173	15379			0.00- 2.00	0.51
5.746	5.750	-0.004	174	3013290			50.00- 120.00	95.19
5.746	5.750	-0.004	175	217642			4.00- 9.00	7.22
5.746	5.750	-0.004	176	2931850			93.00- 101.00	97.30
5.746	5.750	-0.004	177	185686			5.00- 9.00	6.33

Data File: efvd001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 12-JUN-2013 11:02
Instrument: E.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	16.31
75	30.00 - 66.00% of mass 95	49.08
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.49 (0.51)
174	50.00 - 120.00% of mass 95	95.19
175	4.00 - 9.00% of mass 174	6.88 (7.22)
176	93.00 - 101.00% of mass 174	92.62 (97.30)
177	5.00 - 9.00% of mass 176	5.87 (6.33)

Data File: efvd001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

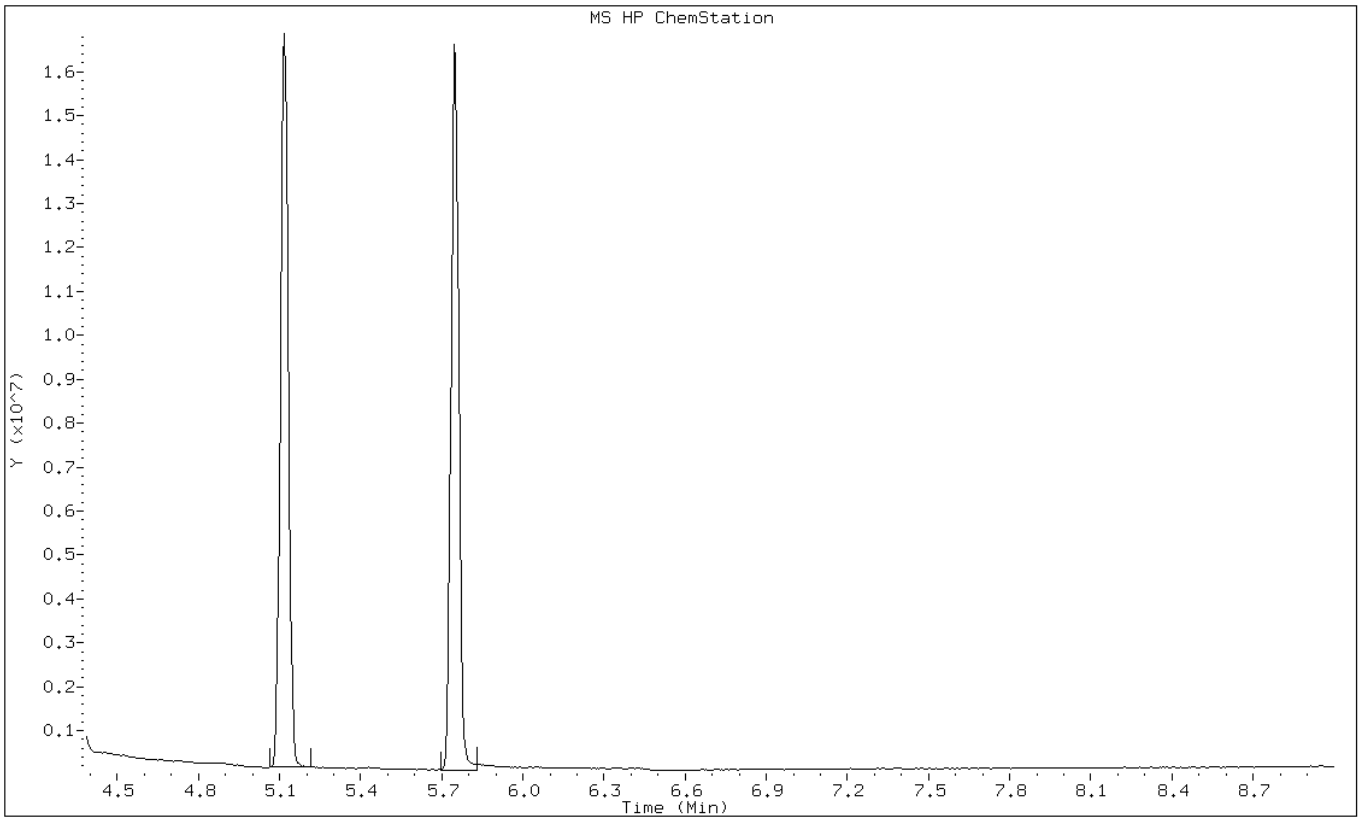
Date: 12-JUN-2013 11:02
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efvdto15.b/efvd001.d
Spectrum: Avg. Scans 254-256 (5.75), Background Scan 245
Location of Maximum: 95.00
Number of points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	66	83.00	1358	132.00	253	188.00	83
36.00	15818	84.00	44	134.00	816	189.00	207
37.00	91896	85.00	352	135.00	6662	190.00	95
38.00	82456	86.00	1795	136.00	1127	191.00	302
39.00	34744	87.00	79640	137.00	4279	193.00	377
40.00	1700	88.00	85792	138.00	331	194.00	270
41.00	774	89.00	424	139.00	1110	195.00	25
43.00	1024	91.00	10205	140.00	2331	197.00	150
44.00	5106	92.00	85656	141.00	34576	202.00	149
45.00	19384	93.00	134464	142.00	3687	203.00	167
46.00	1022	94.00	355008	143.00	35080	207.00	1923
47.00	18528	95.00	3165184	144.00	2768	208.00	977
48.00	10500	96.00	216512	145.00	3039	209.00	1052
49.00	96736	97.00	6115	146.00	4934	210.00	82
50.00	516288	98.00	416	147.00	2623	211.00	60
51.00	157440	99.00	57	148.00	7340	213.00	102
52.00	5396	101.00	219	149.00	2169	216.00	61
53.00	467	102.00	77	150.00	4265	217.00	159
55.00	4825	103.00	1097	151.00	296	220.00	87
56.00	34488	104.00	11384	152.00	1526	223.00	172
57.00	72856	105.00	4195	153.00	1974	224.00	192
58.00	2970	106.00	11447	154.00	2324	227.00	101
59.00	21	107.00	2976	155.00	9094	230.00	66
60.00	20208	109.00	322	156.00	2294	231.00	51
61.00	110672	110.00	1826	157.00	5533	232.00	201
62.00	113576	111.00	1676	158.00	1519	233.00	67
63.00	97824	112.00	1744	159.00	4785	237.00	77
64.00	8629	113.00	1949	160.00	251	238.00	71
65.00	1758	114.00	62	161.00	4695	241.00	52
66.00	781	115.00	2377	162.00	305	242.00	63
67.00	6494	116.00	10540	163.00	236	245.00	125
68.00	302912	117.00	17504	164.00	298	247.00	89
69.00	305024	118.00	10697	165.00	296	249.00	197
70.00	21720	119.00	16472	167.00	150	250.00	232
71.00	180	120.00	1114	168.00	36	251.00	302
72.00	13018	121.00	376	171.00	205	252.00	69
73.00	115960	122.00	756	172.00	4078	253.00	450
74.00	486720	123.00	1148	173.00	15379	254.00	441
75.00	1553408	124.00	2065	174.00	3013120	256.00	74
76.00	131712	125.00	314	175.00	217600	257.00	29
77.00	13536	126.00	1258	176.00	2931712	260.00	516
78.00	7504	127.00	1103	177.00	185664	261.00	71
79.00	59488	128.00	12227	178.00	5346	265.00	64

80.00	21448	129.00	5375	179.00	542		
81.00	68376	130.00	12935	184.00	67		
82.00	18936	131.00	3832	185.00	144		

Data File:	efvd001.d	Date:	12-JUN-2013 11:02
Client ID:	BFB	Instrument:	E.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-57144/4

Matrix: Air Lab File ID: efvd004.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2013 13:47

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.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.020	U	0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
71-43-2	Benzene	78.11	0.010	U	0.010	0.010
79-01-6	Trichloroethene	131.39	0.010	U	0.010	0.010
108-88-3	Toluene	92.14	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.010	U	0.010	0.010
100-41-4	Ethylbenzene	106.17	0.010	U	0.010	0.010
95-47-6	o-Xylene	106.17	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.010	U	0.010	0.010
108-90-7	Chlorobenzene	112.30	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-57144/4

Matrix: Air Lab File ID: efvd004.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2013 13:47

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.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.051	U	0.051	0.051
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
71-43-2	Benzene	78.11	0.032	U	0.032	0.032
79-01-6	Trichloroethene	131.39	0.054	U	0.054	0.054
108-88-3	Toluene	92.14	0.038	U	0.038	0.038
127-18-4	Tetrachloroethene	165.83	0.068	U	0.068	0.068
100-41-4	Ethylbenzene	106.17	0.043	U	0.043	0.043
95-47-6	o-Xylene	106.17	0.043	U	0.043	0.043
179601-23-1	m-Xylene & p-Xylene	106.17	0.087	U	0.087	0.087
1330-20-7	Xylenes, Total	106.17	0.043	U	0.043	0.043
108-90-7	Chlorobenzene	112.30	0.18	U	0.18	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd004.d
Lab Smp Id: mb
Inj Date : 12-JUN-2013 13:47
Operator : wrd Inst ID: E.i
Smp Info : mb
Misc Info : 500,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

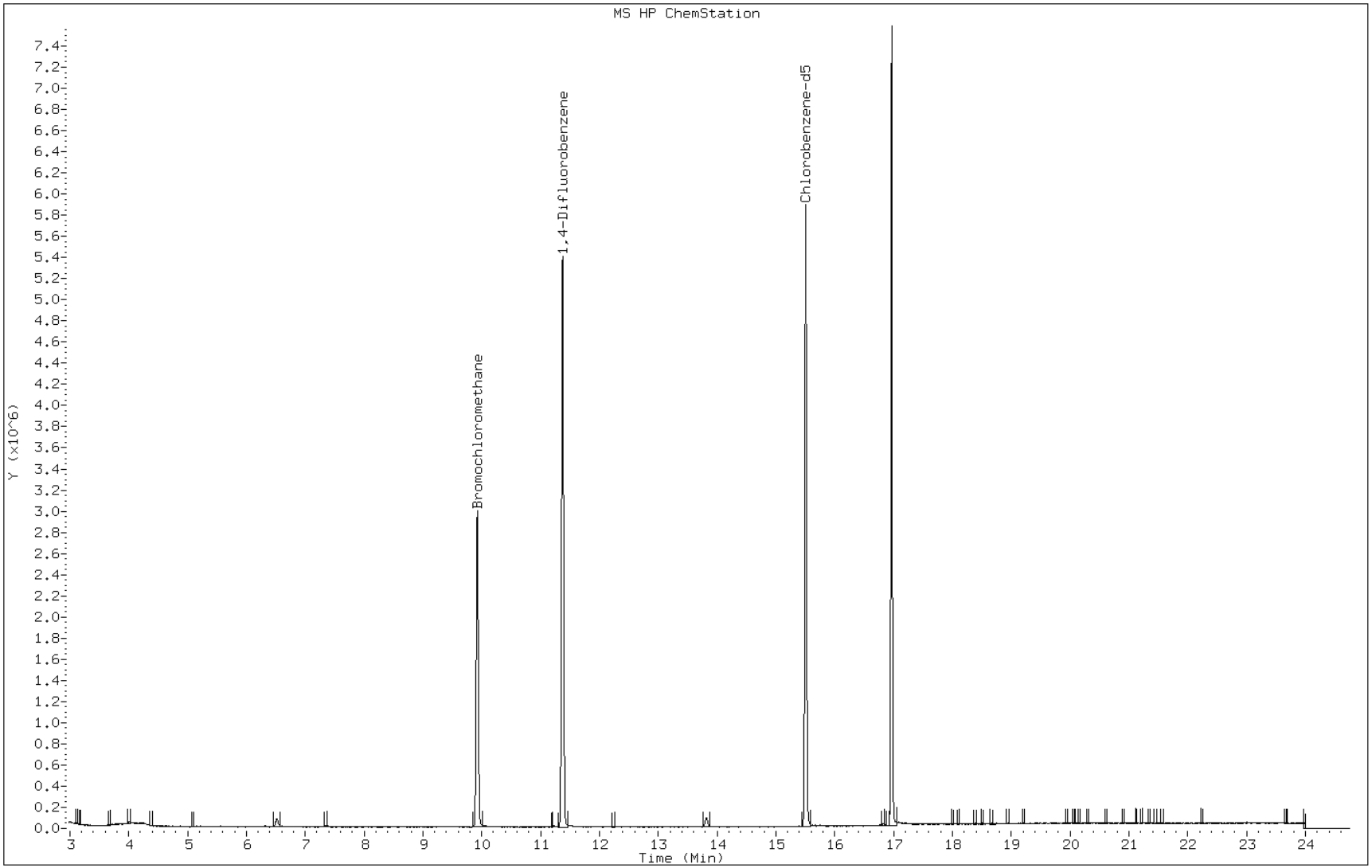
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	5819	0.00559	0.0056(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	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.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.363	7.368	(0.742)	9810	0.03234	0.032(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1171596	2.00000	
	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	11.375	11.375	(1.000)	5824596	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	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	15.505	15.505	(1.000)	4185875	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylene, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	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.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	efvd004.d	Date:	12-JUN-2013 13:47
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
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.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: LCS 200-57144/3

Matrix: Air Lab File ID: efvd003.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/12/2013 12:52

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.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.206		0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.177		0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.177		0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.184		0.010	0.010
71-43-2	Benzene	78.11	0.174		0.010	0.010
79-01-6	Trichloroethene	131.39	0.186		0.010	0.010
108-88-3	Toluene	92.14	0.191		0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.208		0.010	0.010
100-41-4	Ethylbenzene	106.17	0.193		0.010	0.010
95-47-6	o-Xylene	106.17	0.200		0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.408		0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.608		0.010	0.010
108-90-7	Chlorobenzene	112.30	0.194		0.040	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd003.d
Lab Smp Id: lcs 495528
Inj Date : 12-JUN-2013 12:52
Operator : wrd Inst ID: E.i
Smp Info : lcs 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

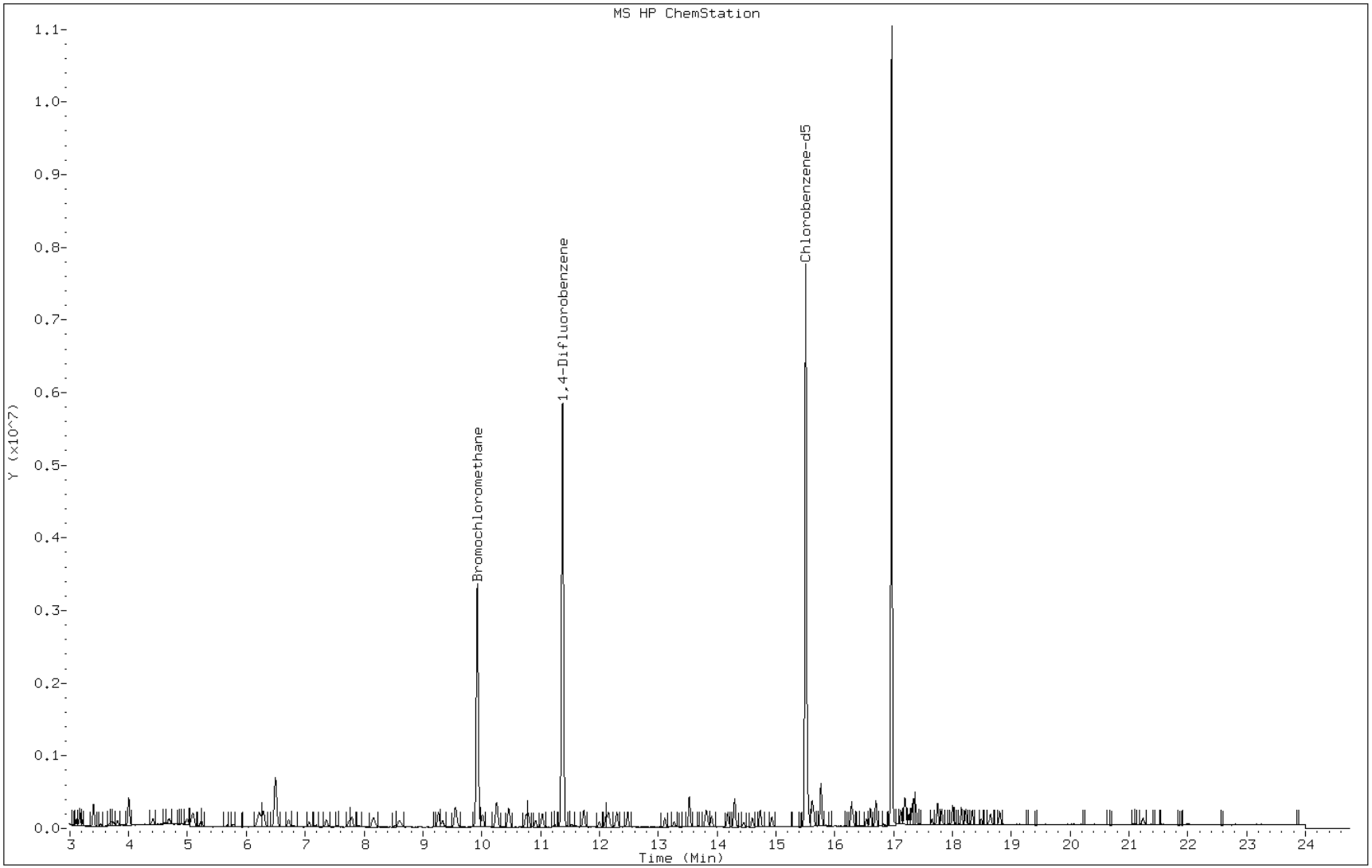
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	207879	0.18274	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	181368	0.18839	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	37662	0.21658	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48297	0.20569	0.20
8 1,3-Butadiene	54	3.811	3.805	(0.384)	29232	0.18515	0.18
9 Bromomethane	94	4.415	4.415	(0.445)	59231	0.17371	0.17
10 Chloroethane	64	4.619	4.618	(0.465)	23908	0.18354	0.18
12 Vinyl bromide	106	4.993	4.993	(0.503)	65622	0.16513	0.16
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	241821	0.18904	0.19
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	158495	0.19653	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	62994	0.17700	0.18
22 Allyl chloride	41	7.074	7.074	(0.713)	55205	0.17616	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	73790	0.22275	0.22
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	86917	0.17658	0.18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	147924	0.17581	0.18
	30 n-Hexane	57	8.155	8.155	(0.822)	82496	0.17965	0.18
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	108785	0.17971	0.18
M	33 1,2-Dichloroethene, Total	61				152696	0.36108	0.36
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	65779	0.18449	0.18
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1279564	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	166222	0.18928	0.19
	40 Cyclohexane	84	10.252	10.252	(0.901)	89896	0.19585	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	206765	0.19101	0.19
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	243242	0.19629	0.20
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	245886	0.19859	0.20
	44 Benzene	78	10.797	10.797	(0.949)	179420	0.17364	0.17
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	101834	0.19326	0.19
	46 n-Heptane	43	11.022	11.033	(0.969)	88948	0.18348	0.18
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6261281	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94590	0.18603	0.19
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	60100	0.18906	0.19
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	157248	0.17990	0.18
	55 1,3-Dichloropropene (cis)	75	13.109	13.108	(1.152)	82523	0.18370	0.18
	58 Toluene	92	13.537	13.536	(0.873)	129554	0.19114	0.19
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	77773	0.17252	0.17
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	60097	0.17225	0.17
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	163582	0.20807	0.21
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	161313	0.18766	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	110292	0.18539	0.18
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5556035	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	189268	0.19372	0.19(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	281700	0.19259	0.19
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	216901	0.40823	0.41
M	70 Xylene, Total	106				320398	0.60835	0.61
	71 Xylene (o)	106	16.286	16.281	(1.050)	103497	0.20012	0.20
	73 Bromoform	173	16.607	16.607	(1.071)	135867	0.16980	0.17
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	86531	0.15910	0.16
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	184547	0.16535	0.16
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	159897	0.17336	0.17
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	136506	0.14035	0.14(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efvd003.d	Date:	12-JUN-2013 12:52
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 495528		
Lab Sample ID:	lcs 495528		



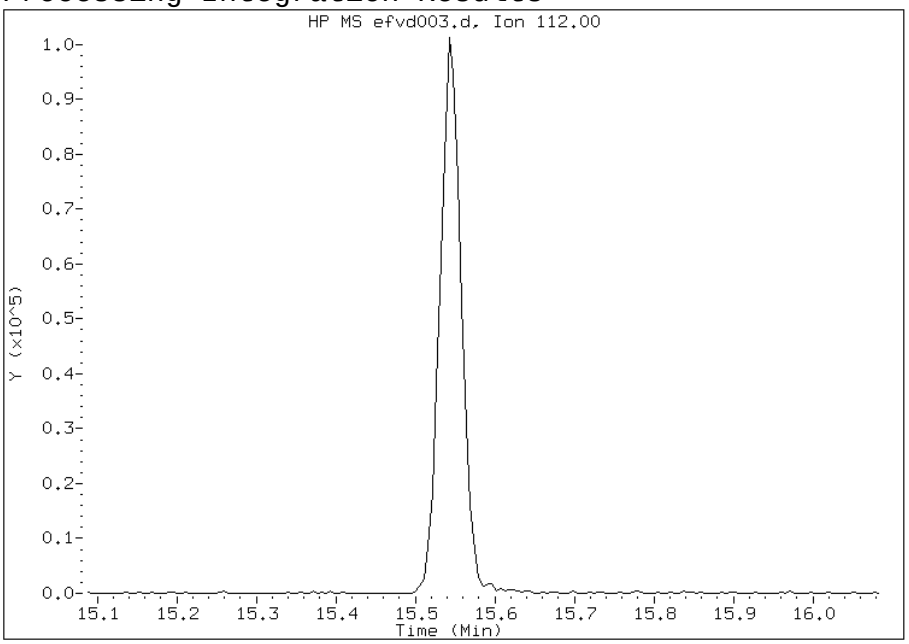
Manual Integration Report

Data File: efvd003.d
Lab Sample ID: lcs 495528
Inj. Date and Time: 12-JUN-2013 12:52
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



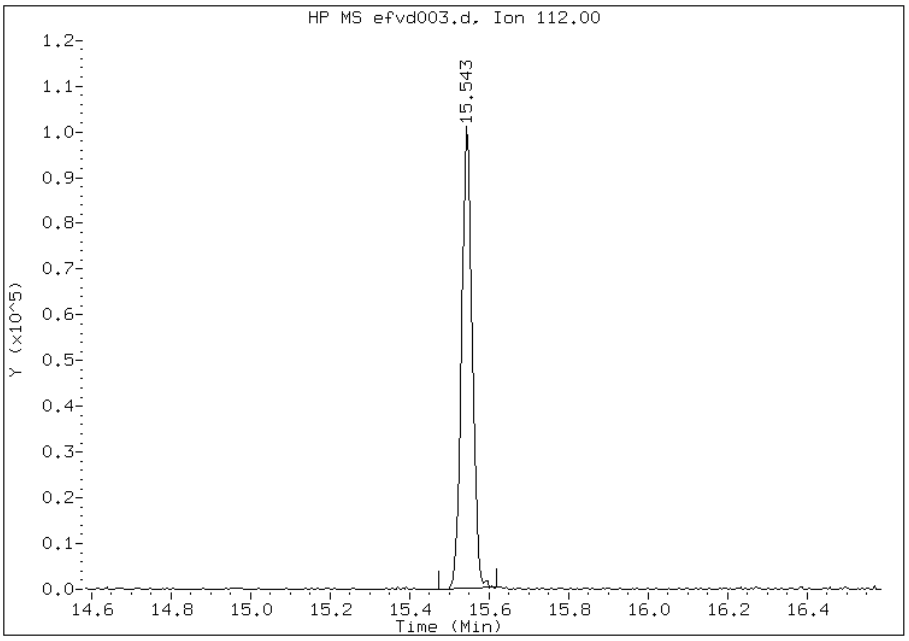
Manual Integration Results

RT: 15.54

Response: 189268

Amount: 0.193723

Conc: 0.193723



File Uploaded By: wrd
Manual Integration Reason: Baseline event

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: EFV	Start Date: 6/04/13	Time: 0905	ISTD Lot #: 248059	Instrument ID: E
Test Method: TO15LL	End Date: 6/05/13	Time: 0905	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 6/04/13			ICV / LCS Lot # see comments	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0905	EFV 01	N/A	BFB	N/A			WRD	N/A	✓	WRD	
1000	02	4983	VIBLK		6	500		✓	✓		
1055	03	〃	〃		6	500		✓	✓		
1151	04	5455	IC-01		2	100		N/A	✓		#495525
1246	05	〃	-02		2	200		〃	✓		〃
1341	06	〃	-03		2	400		〃	✓		〃
1437	07	5401	-04		3	100		〃	✓		#495526
1532	08	〃	ICIS-05		3	200		〃	✓		〃
1628	09	〃	IC-06		3	500		〃	✓		〃
1724	10	5426	-07		4	187		〃	✓		#487974
1819	11	〃	-08		4	250		〃	✓		〃
1914	12	〃	-09		4	375		〃	✓		〃
2010	13	〃	-10		4	500		〃	✓		〃
2104	14	4983	VIBLK		6	500		✓	✓		
2159	15	5427	ICV		5	200		✓	↑		R #495528
2254	16	〃	ICV		5	200		✓	✓		AG #495528
2349	17	4983	MB	〃	6	500		✓	✓		
0044	18	3437	16694-10	4	7	125		✓	—		R
0139	19	4926	-11	4	8	125		✓	—	〃	R
								PAD		6/05/13	

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

#57144

Sequence					Standard Traceability		Instrument Information
Batch ID:	EFVD	Start Date:	6/12/13	Time: 1102	ISTD Lot #:	248059	Instrument ID: E
Test Method:	TO15/26	End Date:	6/13/13	Time: 1102	CAL STD Lot #	495526	Instrument: 5973
ICAL Date:	5/13/7				ICV / LCS Lot #	495528	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1102	5FVD001		BPB	NA	NA	NA	WND	NA	NA	WND	
1156	002	5481	CCV1S		2	200		NA	✓		
1252	003	5437	LCS		3	1		✓	✓		
1347	004	4983	MB		4	500		✓	✓		
1503	005	3275	16861-5	2.99	5	167		✓	✓		
1558	006	4305	-6		6			✓	✓		
1653	007	3236	-7		7			✓	✓		
1749	008	5441	16919-2	4	8	125		✓	✓		
1844	009	2683	-3	4	9	1	↓	✓	✓	↓	

6/13/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/04/2013 09:05

Analysis Batch Number: 56556 End Date: 06/05/2013 01:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56556/1		06/04/2013 09:05	1	efv001.d	RTX-624 0.32(mm)
VIBLK 200-56556/2		06/04/2013 10:00	1		RTX-624 0.32(mm)
VIBLK 200-56556/3		06/04/2013 10:55	1		RTX-624 0.32(mm)
IC 200-56556/4		06/04/2013 11:51	1	efv004.d	RTX-624 0.32(mm)
IC 200-56556/5		06/04/2013 12:46	1	efv005.d	RTX-624 0.32(mm)
IC 200-56556/6		06/04/2013 13:41	1	efv006.d	RTX-624 0.32(mm)
IC 200-56556/7		06/04/2013 14:37	1	efv007.d	RTX-624 0.32(mm)
ICIS 200-56556/8		06/04/2013 15:32	1	efv008.d	RTX-624 0.32(mm)
IC 200-56556/9		06/04/2013 16:28	1	efv009.d	RTX-624 0.32(mm)
IC 200-56556/10		06/04/2013 17:24	1	efv010.d	RTX-624 0.32(mm)
IC 200-56556/11		06/04/2013 18:19	1	efv011.d	RTX-624 0.32(mm)
IC 200-56556/12		06/04/2013 19:14	1	efv012.d	RTX-624 0.32(mm)
IC 200-56556/13		06/04/2013 20:10	1	efv013.d	RTX-624 0.32(mm)
VIBLK 200-56556/14		06/04/2013 21:04	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 21:59	1		RTX-624 0.32(mm)
ICV 200-56556/16		06/04/2013 22:54	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 23:49	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 00:44	4		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 01:39	4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/04/2013 10:00

Analysis Batch Number: 57137 End Date: 06/05/2013 01:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
VIBLK 200-57137/1		06/04/2013 10:00	1		RTX-624 0.32(mm)
VIBLK 200-57137/2		06/04/2013 10:55	1		RTX-624 0.32(mm)
IC 200-57137/3		06/04/2013 11:51	1	efv004.d	RTX-624 0.32(mm)
IC 200-57137/4		06/04/2013 12:46	1	efv005.d	RTX-624 0.32(mm)
IC 200-57137/5		06/04/2013 13:41	1	efv006.d	RTX-624 0.32(mm)
IC 200-57137/6		06/04/2013 14:37	1	efv007.d	RTX-624 0.32(mm)
ICIS 200-57137/7		06/04/2013 15:32	1	efv008.d	RTX-624 0.32(mm)
IC 200-57137/8		06/04/2013 16:28	1	efv009.d	RTX-624 0.32(mm)
IC 200-57137/9		06/04/2013 17:24	1	efv010.d	RTX-624 0.32(mm)
IC 200-57137/10		06/04/2013 18:19	1	efv011.d	RTX-624 0.32(mm)
IC 200-57137/11		06/04/2013 19:14	1	efv012.d	RTX-624 0.32(mm)
IC 200-57137/12		06/04/2013 20:10	1	efv013.d	RTX-624 0.32(mm)
VIBLK 200-57137/13		06/04/2013 21:04	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 21:59	1		RTX-624 0.32(mm)
ICV 200-57137/15		06/04/2013 22:54	1	efv016.d	RTX-624 0.32(mm)
ZZZZZ		06/04/2013 23:49	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 00:44	4		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 01:39	4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/12/2013 11:02

Analysis Batch Number: 57144 End Date: 06/12/2013 18:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-57144/1		06/12/2013 11:02	1	efvd001.d	RTX-624 0.32(mm)
CCVIS 200-57144/2		06/12/2013 11:56	1	efvd002.d	RTX-624 0.32(mm)
LCS 200-57144/3		06/12/2013 12:52	1	efvd003.d	RTX-624 0.32(mm)
MB 200-57144/4		06/12/2013 13:47	1	efvd004.d	RTX-624 0.32(mm)
200-16861-5	CS40811-053013	06/12/2013 15:03	2.99	efvd005.d	RTX-624 0.32(mm)
200-16861-6	DUP-053013	06/12/2013 15:58	2.99	efvd006.d	RTX-624 0.32(mm)
200-16861-7	BG-053013	06/12/2013 16:53	2.99	efvd007.d	RTX-624 0.32(mm)
ZZZZZ		06/12/2013 17:49	4		RTX-624 0.32(mm)
ZZZZZ		06/12/2013 18:44	4		RTX-624 0.32(mm)

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Matrix: Air Level: Low Lab File ID: giem004.d

Lab ID: LCS 200-56885/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	10.0	10.3	103	70-130	
1,1-Dichloroethene	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	10.6	107	70-130	
Benzene	10.0	9.29	93	70-130	
Trichloroethene	10.0	10.3	103	70-130	
Toluene	10.0	9.71	97	70-130	
Tetrachloroethene	10.0	9.46	95	70-130	
Ethylbenzene	10.0	10.0	100	70-130	
m-Xylene & p-Xylene	20.0	19.3	97	70-130	
o-Xylene	10.0	9.55	96	70-130	
Chlorobenzene	10.0	9.81	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: giem005.d Lab Sample ID: MB 200-56885/5

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

Instrument ID: G.i Date Analyzed: 06/10/2013 12:57

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 200-56885/4	giem004.d	06/10/2013 12:10
SV40811-053013	200-16861-1	giem007.d	06/10/2013 14:31
SV40771-053013	200-16861-2	giem008.d	06/10/2013 15:19
SV40812-053013	200-16861-3	giem009.d	06/10/2013 16:05
SV40772-053013	200-16861-4	giem010.d	06/10/2013 16:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: gie001.d BFB Injection Date: 05/17/2013

Instrument ID: G.i BFB Injection Time: 09:46

Analysis Batch No.: 55724

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	41.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	104.7	
175	4.0 - 9.0 % of mass 174	7.4	(7.0)1
176	93.0 - 101.0% of mass 174	103.4	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(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 200-55724/3	gie003.d	05/17/2013	11:22
	IC 200-55724/4	gie004.d	05/17/2013	12:12
	IC 200-55724/5	gie005.d	05/17/2013	13:02
	IC 200-55724/6	gie006.d	05/17/2013	13:52
	ICIS 200-55724/7	gie007.d	05/17/2013	14:42
	IC 200-55724/8	gie008.d	05/17/2013	15:32
	IC 200-55724/9	gie009.d	05/17/2013	16:22
	IC 200-55724/10	gie010.d	05/17/2013	17:12
	ICV 200-55724/15	gie015.d	05/17/2013	21:21

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: giem001.d BFB Injection Date: 06/10/2013

Instrument ID: G.i BFB Injection Time: 09:23

Analysis Batch No.: 56885

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.8	
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	0.4	(0.4)1
174	50.0 - 120.0% of mass 95	109.5	
175	4.0 - 9.0 % of mass 174	7.8	(7.1)1
176	93.0 - 101.0% of mass 174	108.2	(98.7)1
177	5.0 - 9.0% of mass 176	7.1	(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 200-56885/3	giem003.d	06/10/2013	10:57
	LCS 200-56885/4	giem004.d	06/10/2013	12:10
	MB 200-56885/5	giem005.d	06/10/2013	12:57
SV40811-053013	200-16861-1	giem007.d	06/10/2013	14:31
SV40771-053013	200-16861-2	giem008.d	06/10/2013	15:19
SV40812-053013	200-16861-3	giem009.d	06/10/2013	16:05
SV40772-053013	200-16861-4	giem010.d	06/10/2013	16:52

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: ICIS 200-55724/7 Date Analyzed: 05/17/2013 14:42

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gie007.d Heated Purge: (Y/N) N

Calibration ID: 21765

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		617845	10.83	3659543	12.91	3457464	19.07
UPPER LIMIT		864983	11.16	5123360	13.24	4840450	19.40
LOWER LIMIT		370707	10.50	2195726	12.58	2074478	18.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-55724/15		638955	10.83	3814293	12.91	3601006	19.06

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: CCVIS 200-56885/3 Date Analyzed: 06/10/2013 10:57

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): giem003.d Heated Purge: (Y/N) N

Calibration ID: 21765

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		517766	10.81	3120448	12.89	3047920	19.05
UPPER LIMIT		724872	11.14	4368627	13.22	4267088	19.38
LOWER LIMIT		310660	10.48	1872269	12.56	1828752	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56885/4		525361	10.81	3312006	12.89	3251635	19.05
MB 200-56885/5		527784	10.81	3327602	12.89	3072671	19.04
200-16861-1	SV40811-053013	529624	10.81	3204604	12.89	3016063	19.05
200-16861-2	SV40771-053013	526707	10.81	3242273	12.89	3077239	19.05
200-16861-3	SV40812-053013	523240	10.81	3247639	12.89	3089064	19.05
200-16861-4	SV40772-053013	517750	10.81	3238290	12.89	3020372	19.04

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40811-053013 Lab Sample ID: 200-16861-1

Matrix: Air Lab File ID: giem007.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:12

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 14:31

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.3		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	1.4		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.13		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.21		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.25	J	0.50	0.022
95-47-6	o-Xylene	106.17	1.7		0.20	0.016
1330-20-7	Xylenes, Total	106.17	1.9		0.20	0.016
108-90-7	Chlorobenzene	112.30	4.7		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40811-053013 Lab Sample ID: 200-16861-1

Matrix: Air Lab File ID: giem007.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:12

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 14:31

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	17		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	5.3		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.87		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.91		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.1	J	2.2	0.096
95-47-6	o-Xylene	106.17	7.2		0.87	0.069
1330-20-7	Xylenes, Total	106.17	8.2		0.87	0.069
108-90-7	Chlorobenzene	112.30	21		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-1
Client Smp ID: SV40811-053013
Inj Date : 10-JUN-2013 14:31
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-1
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.145	3.156	(0.291)	46206	0.53775	0.54
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.589	3.595	(0.332)	3619	0.20900	0.21(a)
6 Butane	43	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.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.462	5.467	(0.505)	31998	0.30755	0.31
14 Pentane	43	Compound Not Detected.					

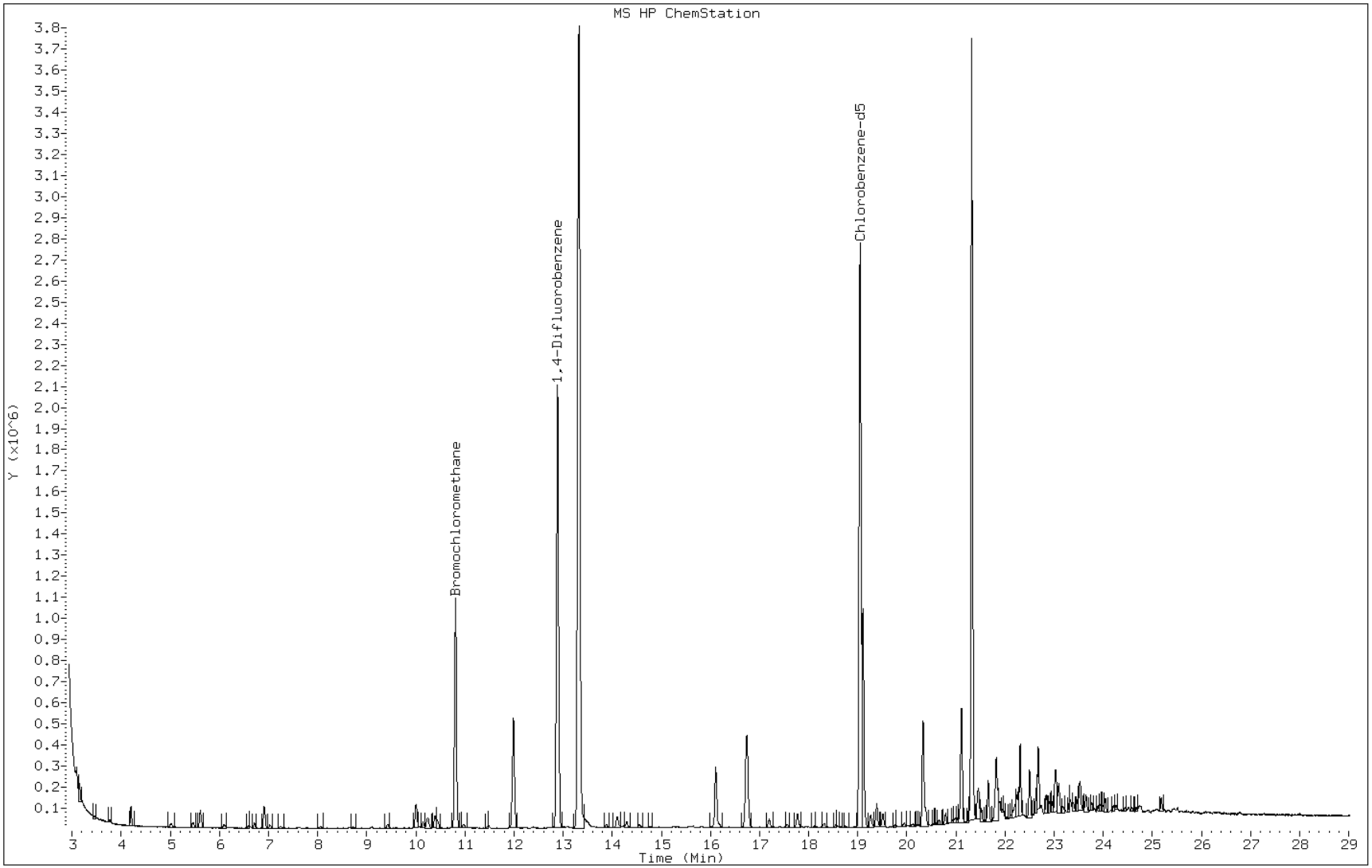
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.612	6.617	(0.612)	6198	0.09341	0.093(a)
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	6.912	6.928	(0.640)	168540	4.84814	4.8(a)
	21 Carbon disulfide	76	7.029	7.040	(0.650)	28123	0.34634	0.35(a)
	22 Isopropanol	45	7.249	7.254	(0.671)	14022	0.64146	0.64(a)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	7.794	7.800	(0.721)	1845	0.07757	0.078(a)
	26 Tert-butyl alcohol	59	8.056	8.062	(0.746)	14260	0.35719	0.36(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	8.650	8.656	(0.800)	2612	0.08377	0.084(aQ)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.383	10.416	(0.961)	30900	1.72058	1.7
*	37 Bromochloromethane	128	10.806	10.828	(1.000)	529624	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	11.988	12.004	(0.930)	798990	5.30180	5.3
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	12.384	12.390	(0.961)	4271	0.06417	0.064(aM)
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3204604	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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	15.824	15.835	(1.228)	4430	0.04247	0.042(a)
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	16.108	16.124	(0.846)	215335	1.39517	1.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.194	17.215	(0.903)	21800	0.12814	0.13(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.557	17.584	(0.922)	13936	0.17199	0.17(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3016063	10.0000	
66	Chlorobenzene	112	19.104	19.125	(1.003)	997644	4.66139	4.7
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.264	19.280	(1.011)	66867	0.20997	0.21
69	Xylene (m,p)	106	19.521	19.532	(1.025)	32279	0.24724	0.25(a)
M 70	Xylenes, Total	106				253638	1.89828	1.9
71	Xylene (o)	106	20.329	20.345	(1.067)	221359	1.65105	1.7
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	20.976	20.987	(1.101)	13470	0.03637	0.036(a)
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	202231	0.50755	0.51
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	21.837	21.853	(1.146)	44860	0.13845	0.14(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.939	21.955	(1.152)	23924	0.07687	0.077(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	90444	0.30279	0.30
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	55496	0.32003	0.32
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.512	23.528	(1.234)	73922	0.26592	0.27
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	36991	0.18557	0.19(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

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:	giem007.d	Date:	10-JUN-2013 14:31
Client ID:	SV40811-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-1		
Lab Sample ID:	200-16861-1		



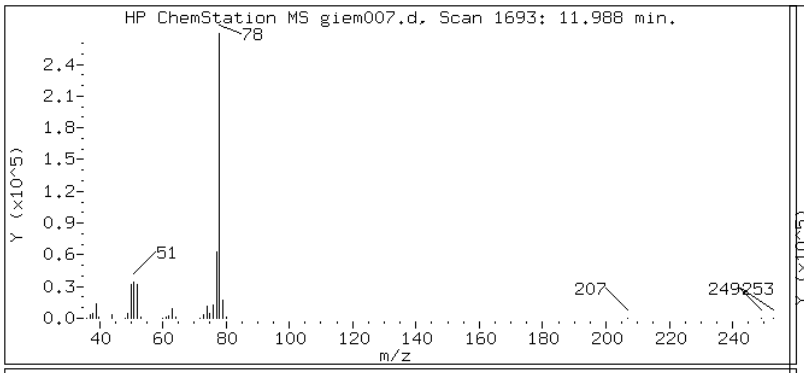
Data File: giem007.d

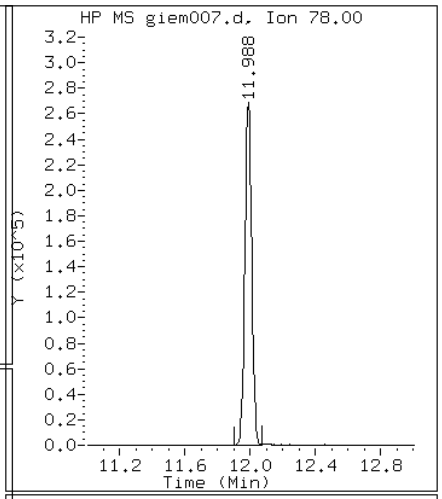
Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

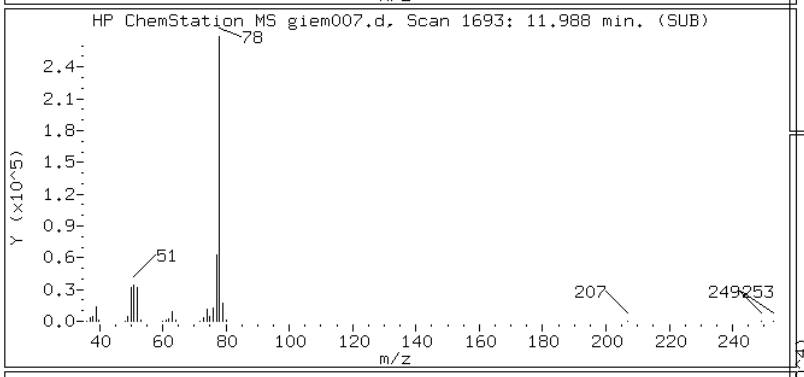
Client ID: SV40811-053013 Instrument: G.i

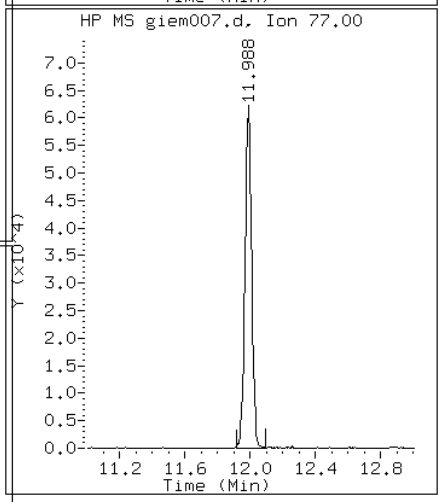
Sample Info: 200-16861-A-1 Operator: WRD

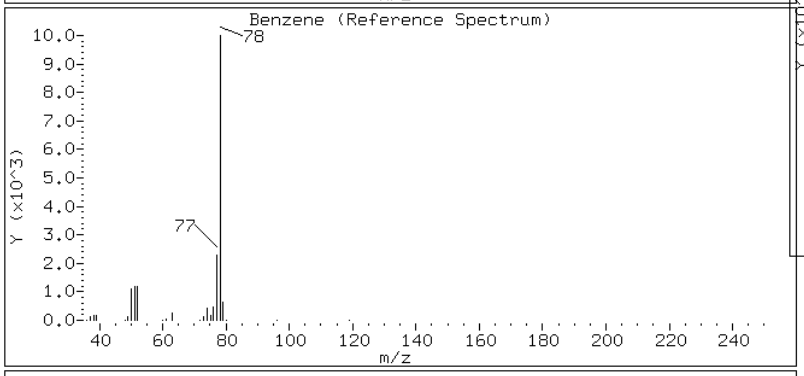
44 Benzene

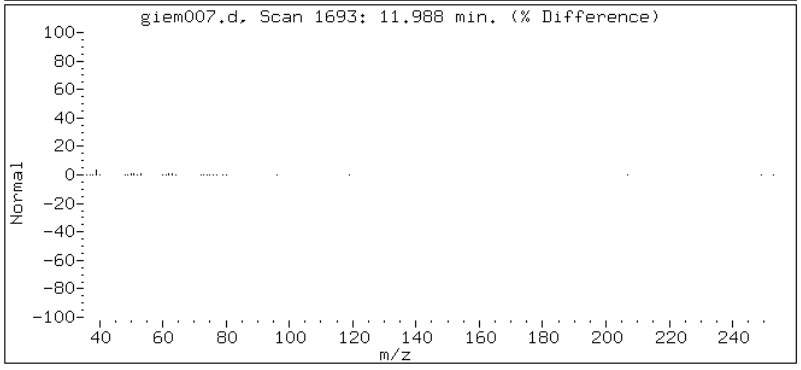












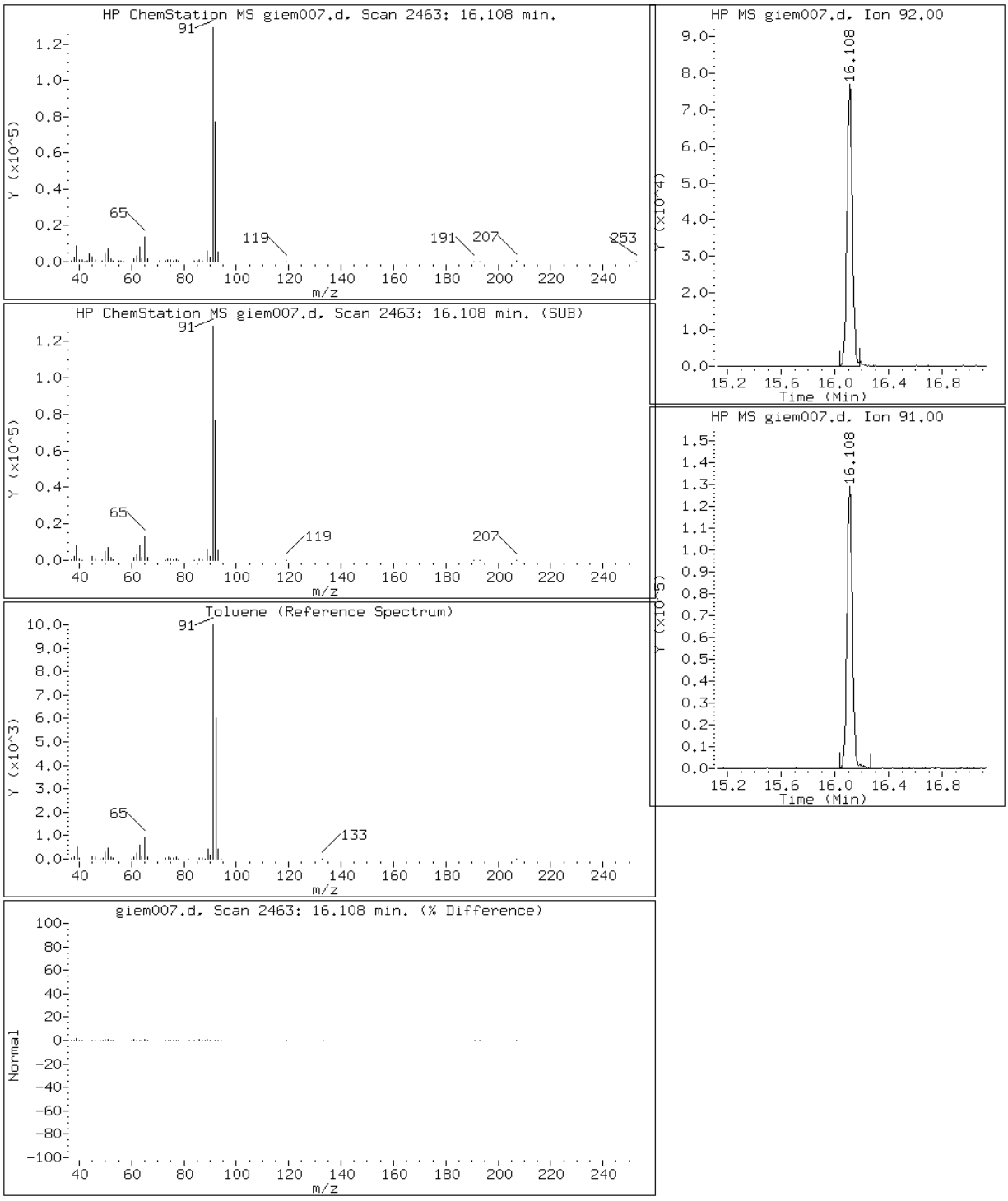
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

58 Toluene



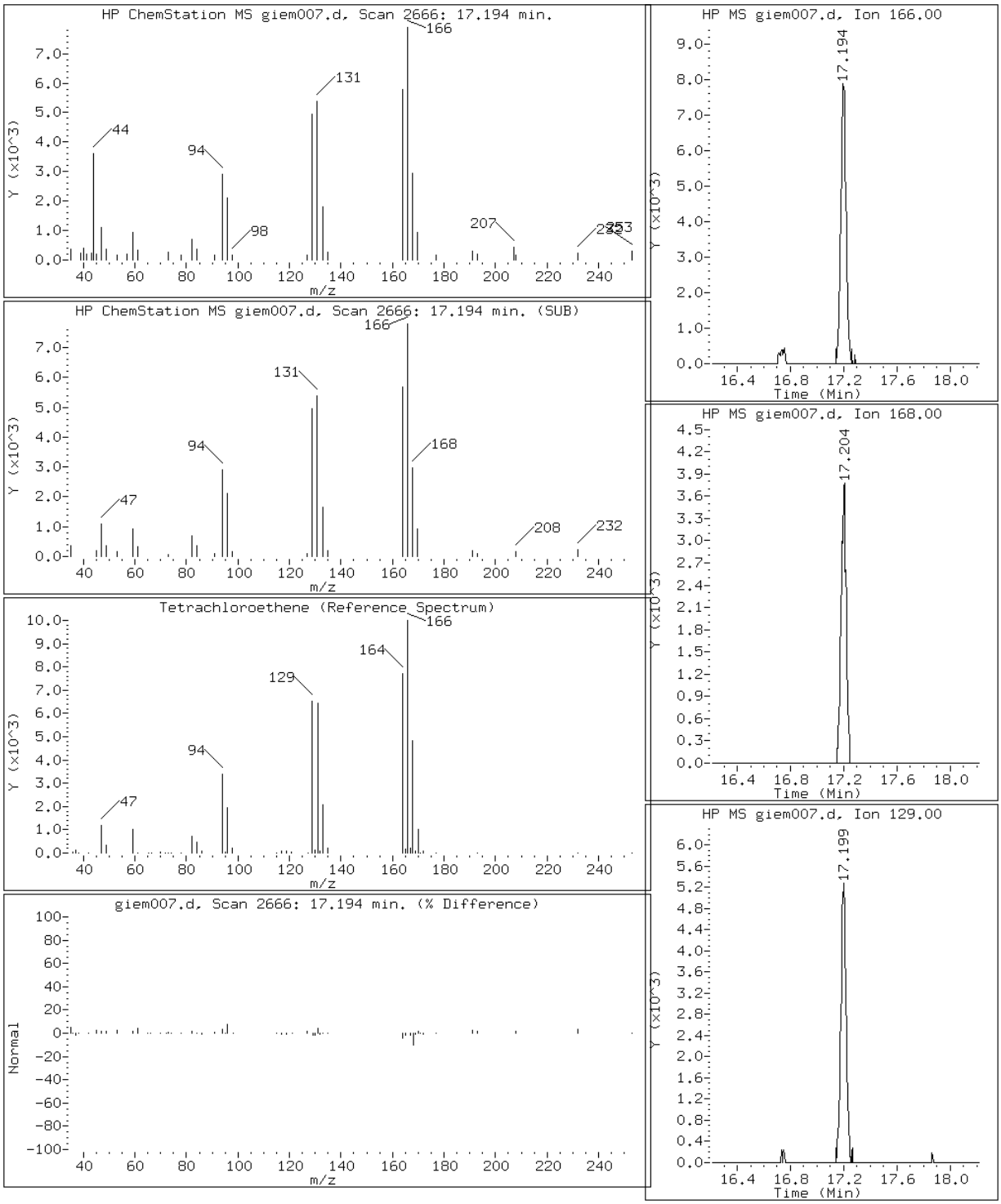
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

61 Tetrachloroethene



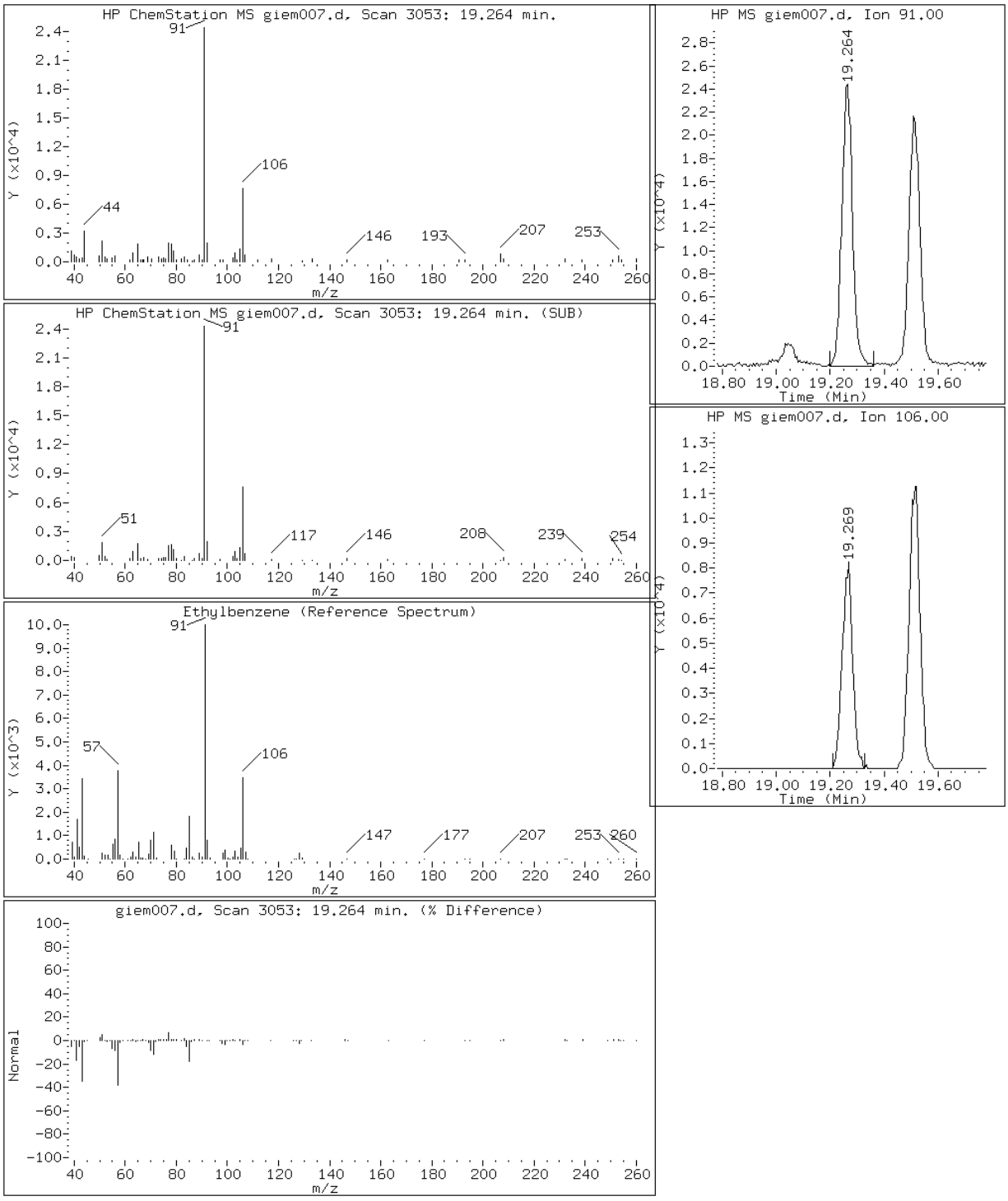
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

68 Ethylbenzene



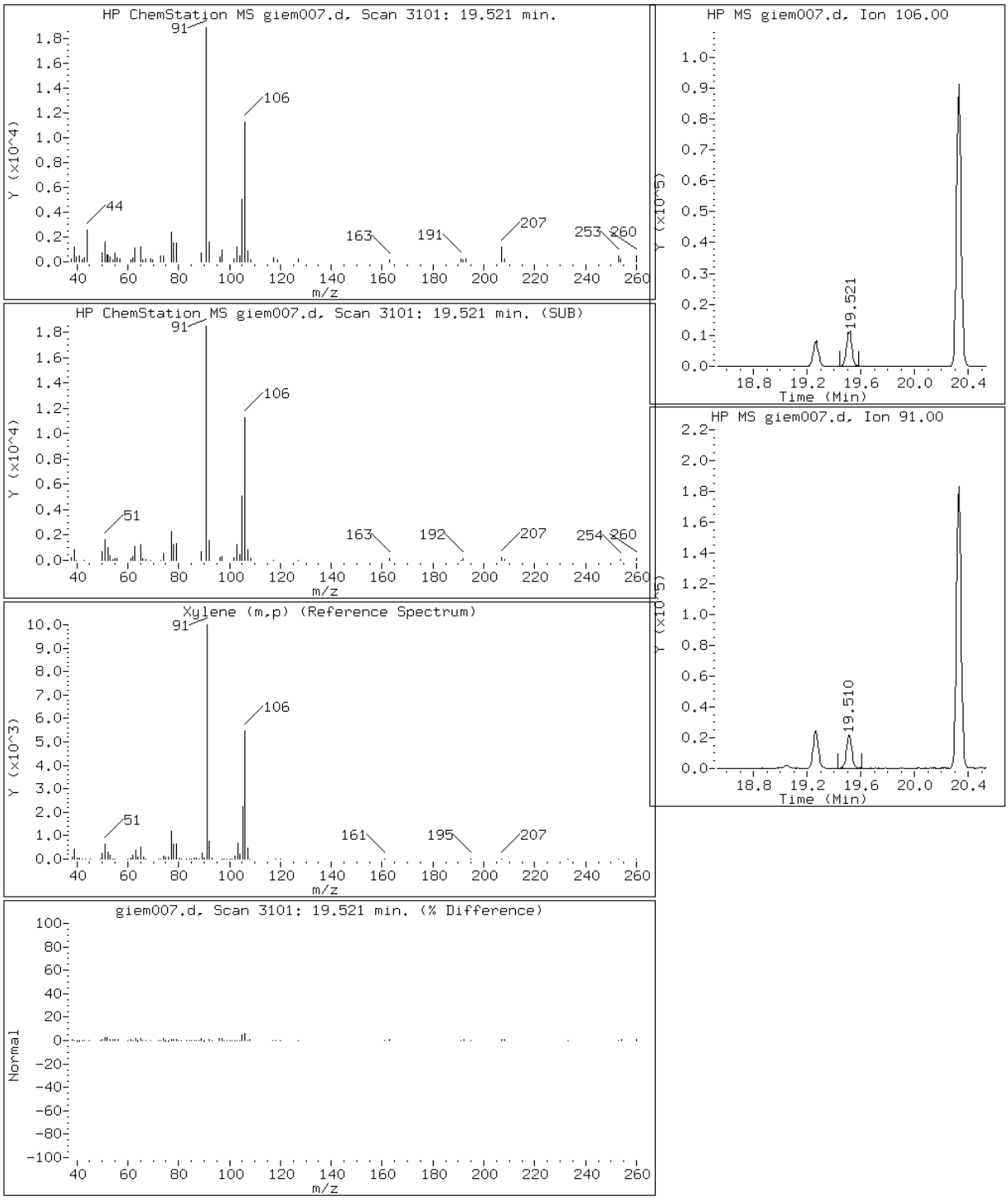
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

69 Xylene (m,p)



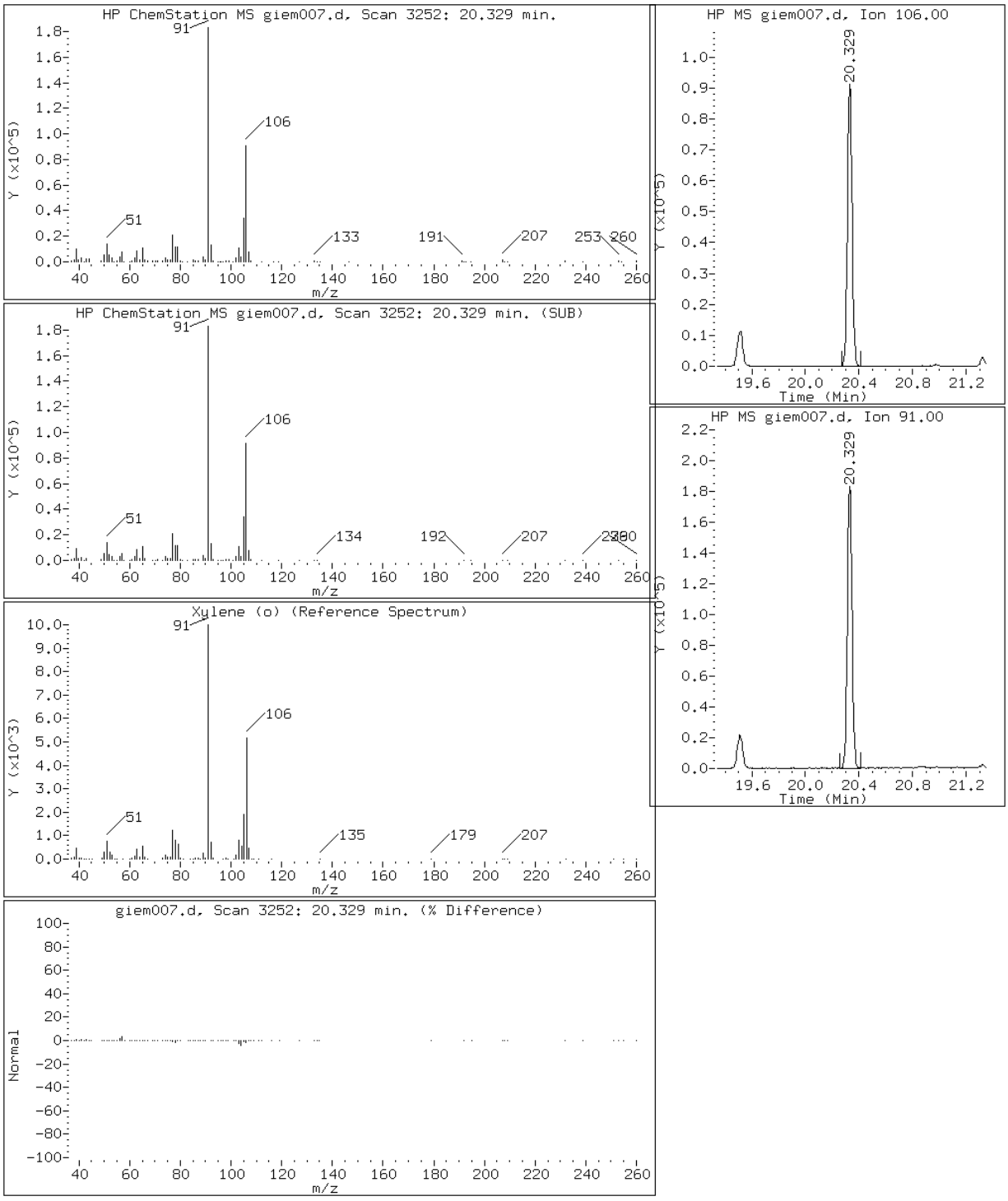
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

71 Xylene (o)



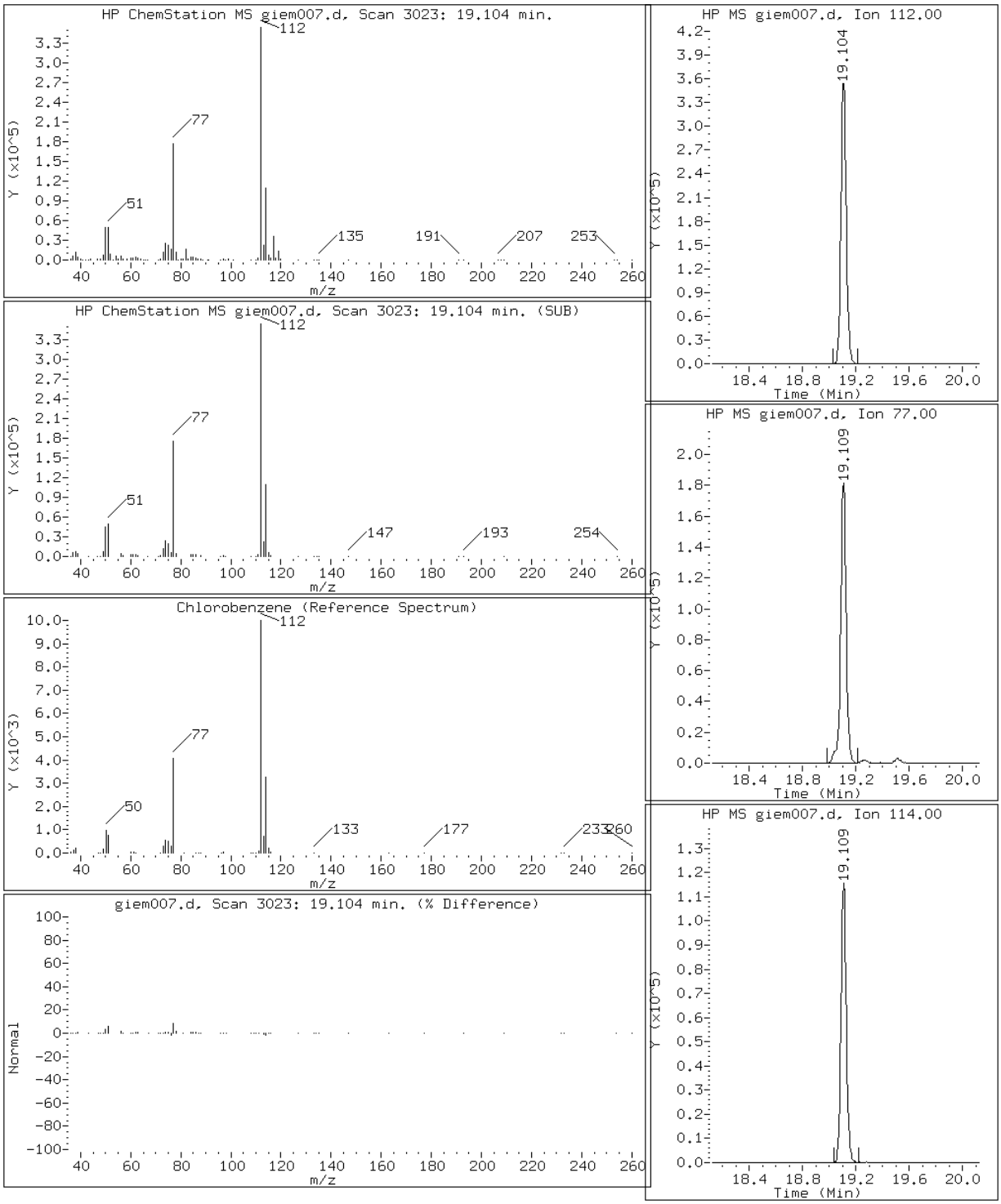
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40771-053013 Lab Sample ID: 200-16861-2

Matrix: Air Lab File ID: giem008.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:27

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 15:19

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.8		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	2.9		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.070		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.26		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.44	J	0.50	0.022
95-47-6	o-Xylene	106.17	1.7		0.20	0.016
1330-20-7	Xylenes, Total	106.17	2.2		0.20	0.016
108-90-7	Chlorobenzene	112.30	5.2		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40771-053013 Lab Sample ID: 200-16861-2

Matrix: Air Lab File ID: giem008.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:27

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 15:19

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	18		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	11		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.48		0.27	0.10
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.9	J	2.2	0.096
95-47-6	o-Xylene	106.17	7.6		0.87	0.069
1330-20-7	Xylenes, Total	106.17	9.5		0.87	0.069
108-90-7	Chlorobenzene	112.30	24		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-2
Client Smp ID: SV40771-053013
Inj Date : 10-JUN-2013 15:19
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-2
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	3.124	3.156	(0.289)	46248	0.54122	0.54
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	3.793	3.814	(0.351)	473958	19.2395	19
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.					
11	2-Methylbutane	43	5.007	5.018	(0.463)	67953	3.98173	4.0
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	5.446	5.467	(0.504)	13094	0.12655	0.13(a)
14	Pentane	43	5.617	5.622	(0.520)	66025	2.24060	2.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.104	6.120	(0.565)	170619	26.6764	27
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.612)	4009	0.06076	0.061(aM)
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	6.922	6.928	(0.640)	216698	6.26796	6.3
21	Carbon disulfide	76	7.029	7.040	(0.650)	491419	6.08551	6.1
22	Isopropanol	45	7.249	7.254	(0.670)	21283	0.97902	0.98(a)
23	Allyl chloride	41	Compound Not Detected.					
24	Acetonitrile	41	Compound Not Detected.					
25	Methylene chloride	49	7.778	7.800	(0.719)	1973	0.08341	0.083(a)
26	Tert-butyl alcohol	59	8.056	8.062	(0.745)	19349	0.48734	0.49(aQ)
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	8.650	8.656	(0.800)	38045	1.22694	1.2
31	1,1-Dichloroethane	63	Compound Not Detected.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.394	10.416	(0.961)	43486	2.43481	2.4(Q)
* 37	Bromochloromethane	128	10.812	10.828	(1.000)	526707	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	11.197	11.207	(0.868)	57469	1.02000	1.0(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	11.994	12.004	(0.930)	878380	5.76088	5.8
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	12.379	12.390	(0.960)	143052	2.12432	2.1
* 47	1,4-Difluorobenzene	114	12.893	12.909	(1.000)	3242273	10.0000	
48	n-Butanol	56	13.321	13.342	(1.033)	4819396	256.890	260(A)
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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.					
57	n-Octane	43	16.167	16.183	(1.254)	75549	0.68402	0.68
58	Toluene	92	16.113	16.124	(0.846)	461144	2.92838	2.9
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	17.199	17.215	(0.903)	12170	0.07011	0.070(a)
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3077239	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	1133755	5.19204	5.2
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.259	19.280	(1.011)	84551	0.26023	0.26
69	Xylene (m,p)	106	19.510	19.532	(1.024)	58239	0.43721	0.44
M 70	Xylenes, Total	106				297382	2.18544	2.2
71	Xylene (o)	106	20.334	20.345	(1.067)	239143	1.74823	1.7
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	218586	0.53769	0.54
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	49280	0.14907	0.15(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	32645	0.10281	0.10(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	96544	0.31678	0.32
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	66442	0.37553	0.38
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.517	23.528	(1.234)	72749	0.25650	0.26
92	1,2-Dichlorobenzene	146	23.651	23.656	(1.242)	43695	0.21484	0.21
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

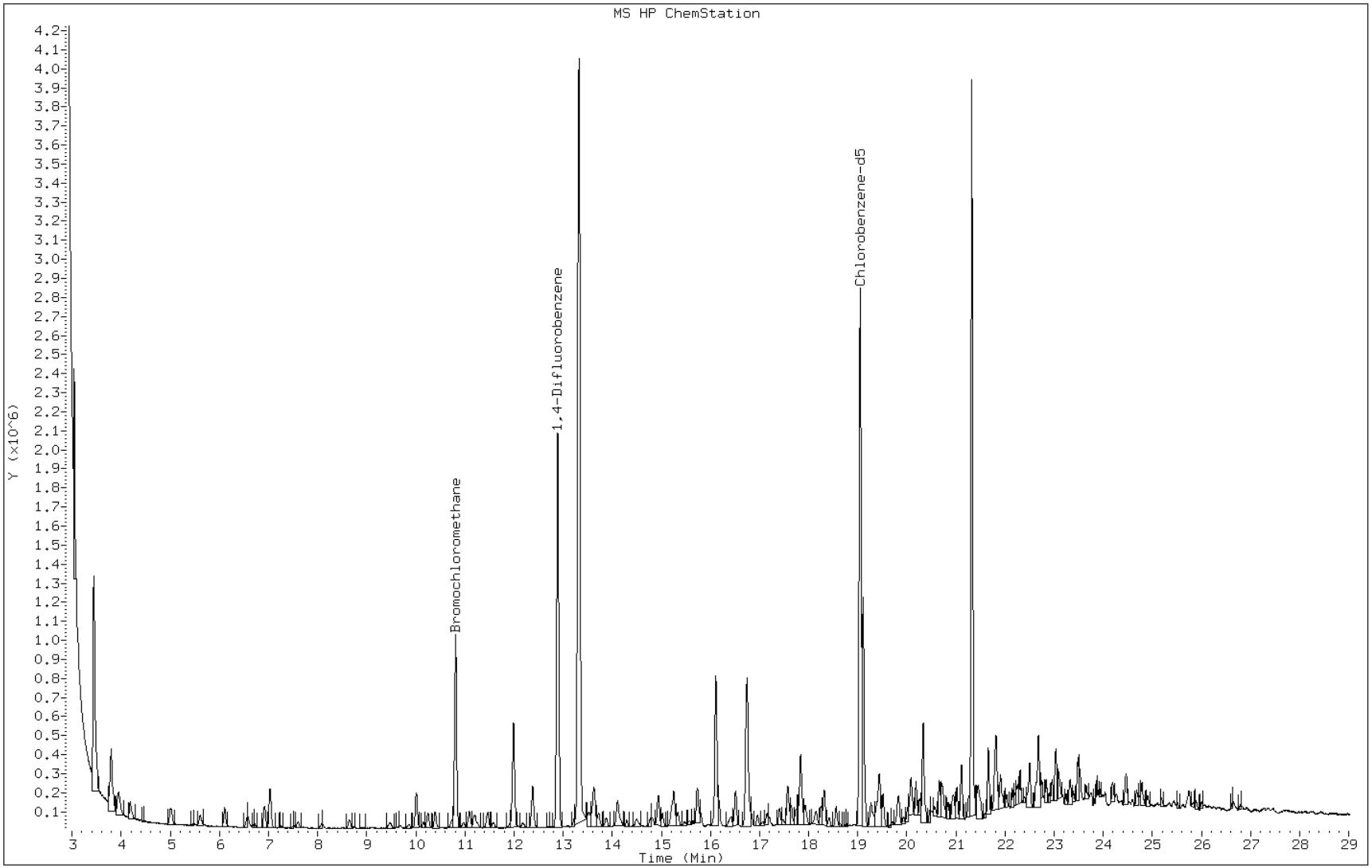
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

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:	giem008.d	Date:	10-JUN-2013 15:19
Client ID:	SV40771-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-2		
Lab Sample ID:	200-16861-2		



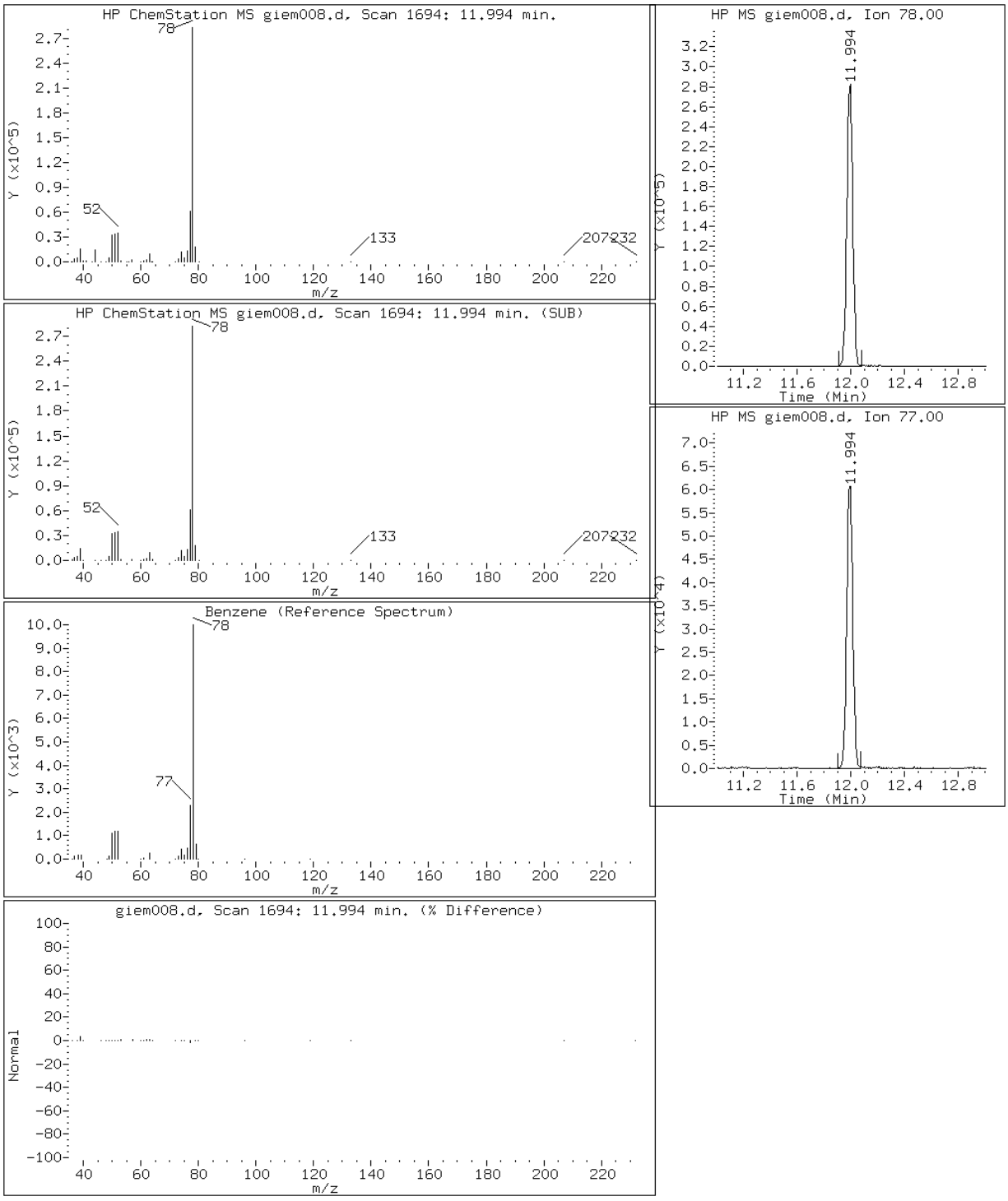
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

44 Benzene



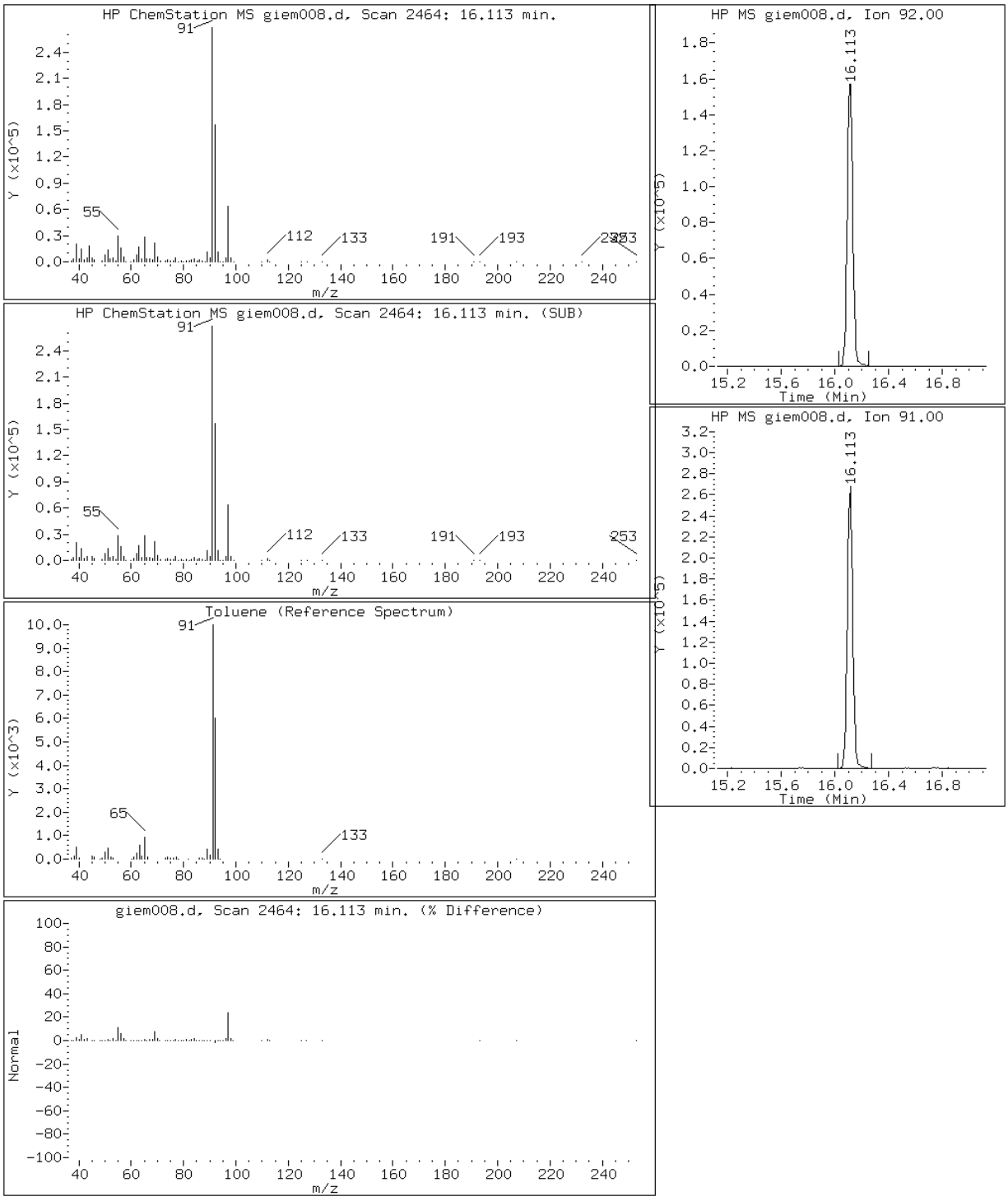
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

58 Toluene



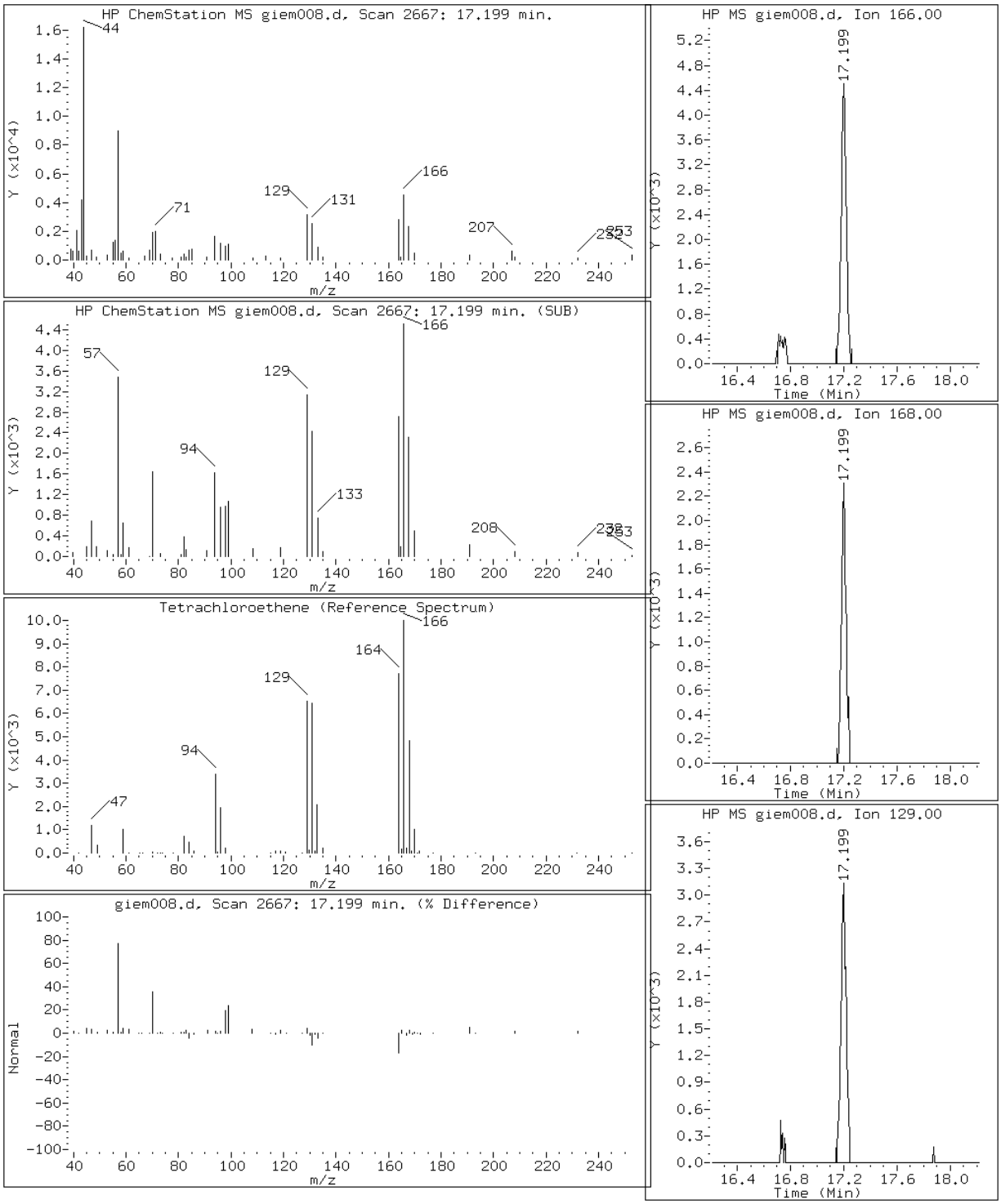
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

61 Tetrachloroethene



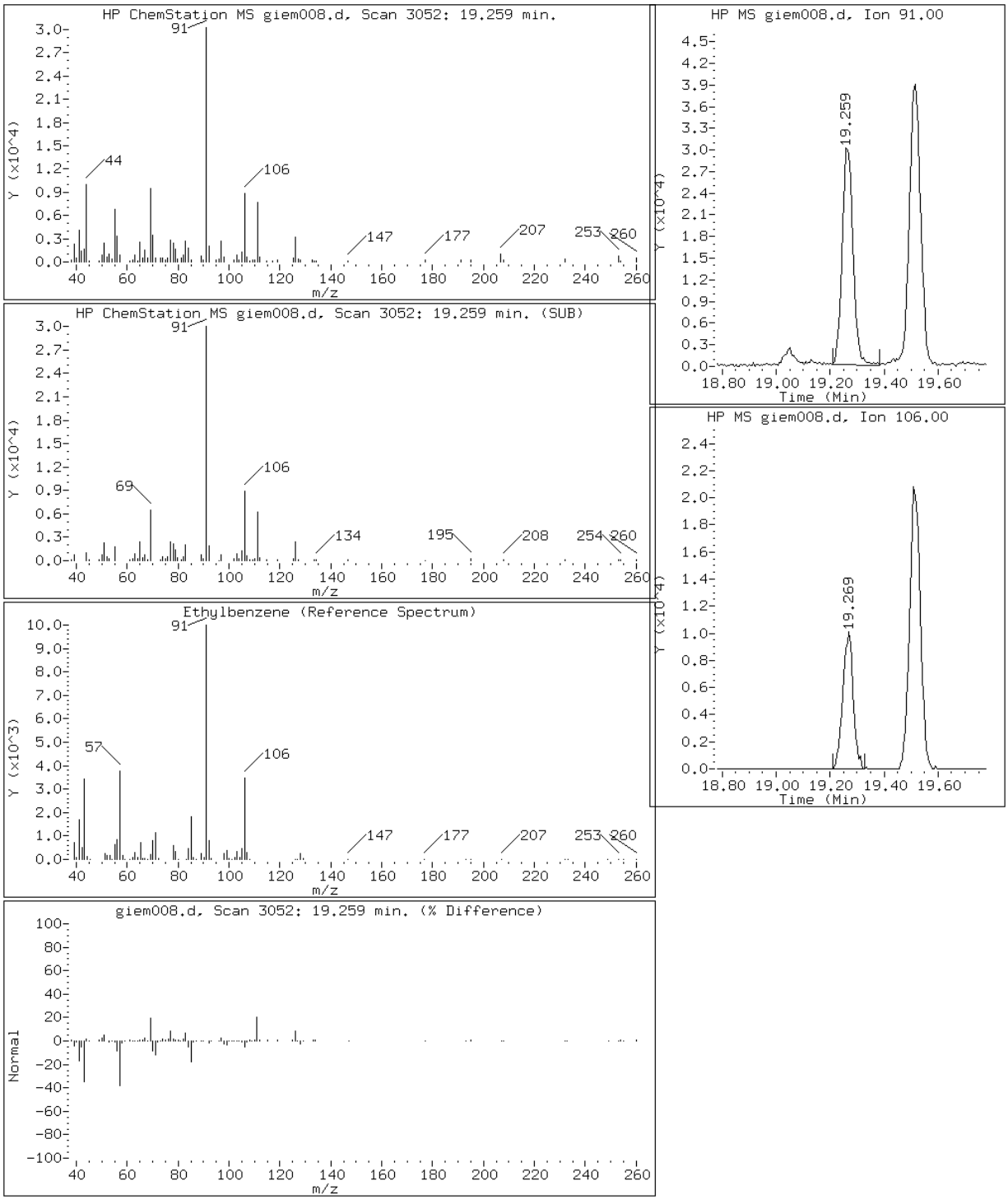
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

68 Ethylbenzene



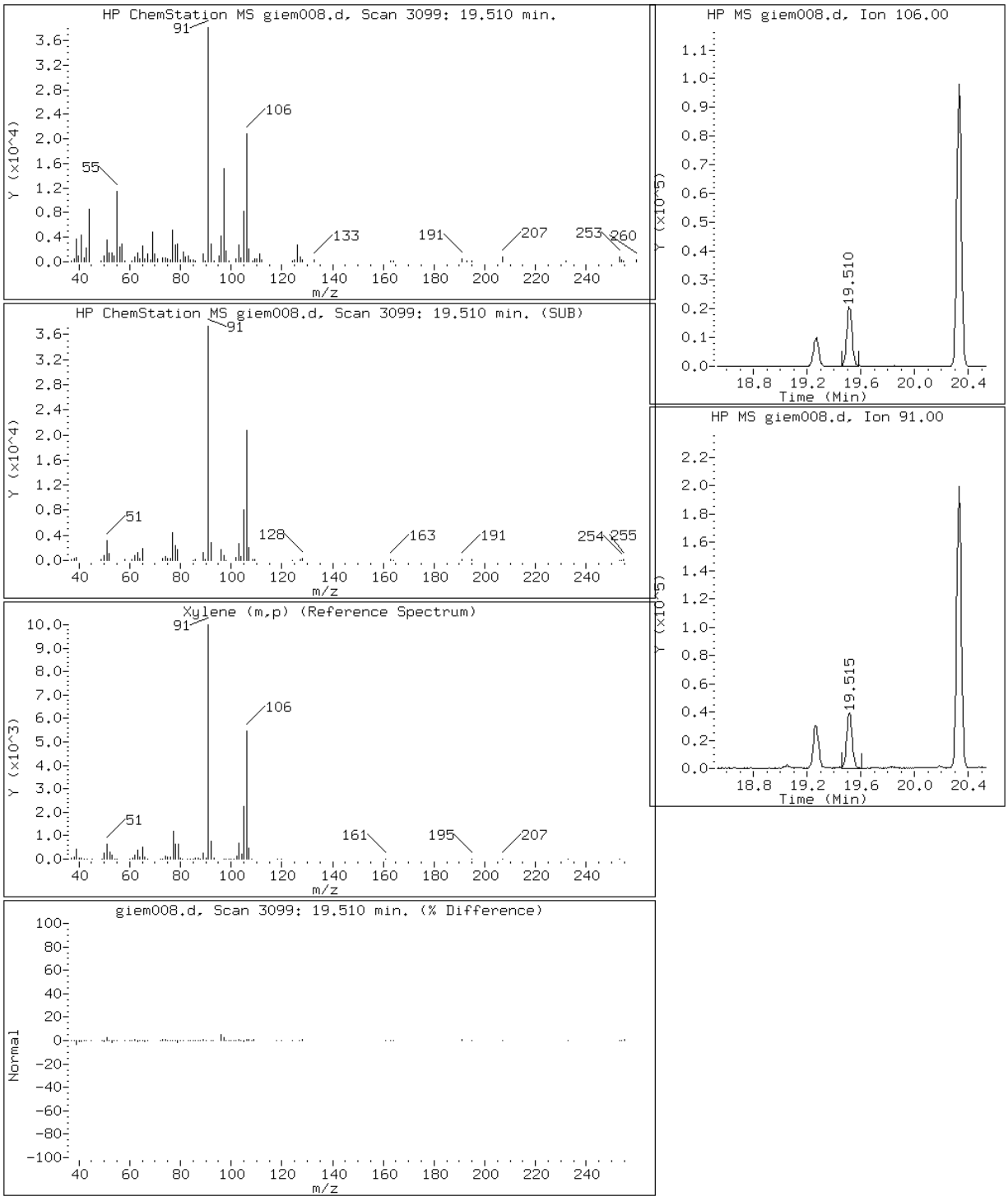
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

69 Xylene (m,p)



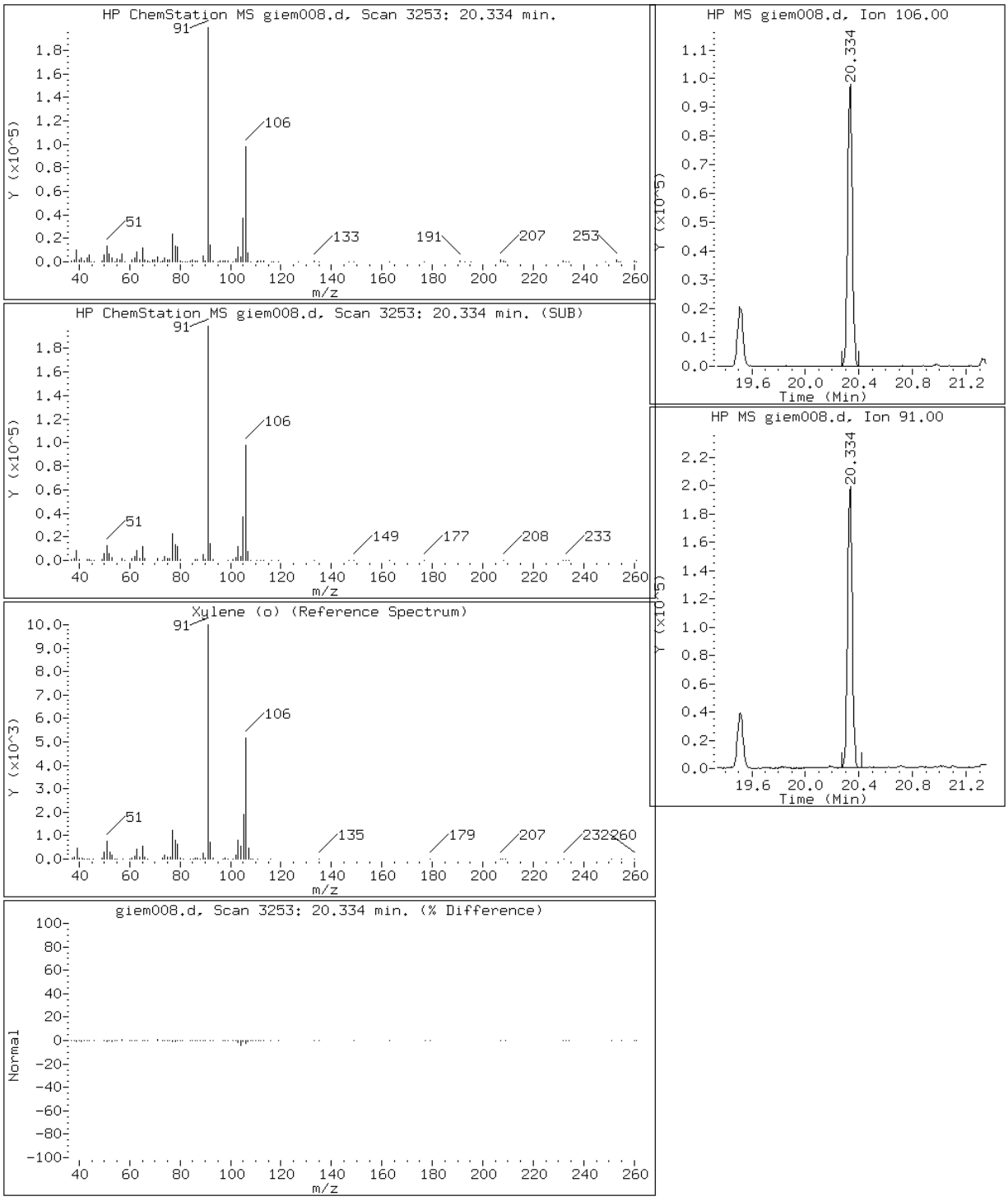
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

71 Xylene (o)



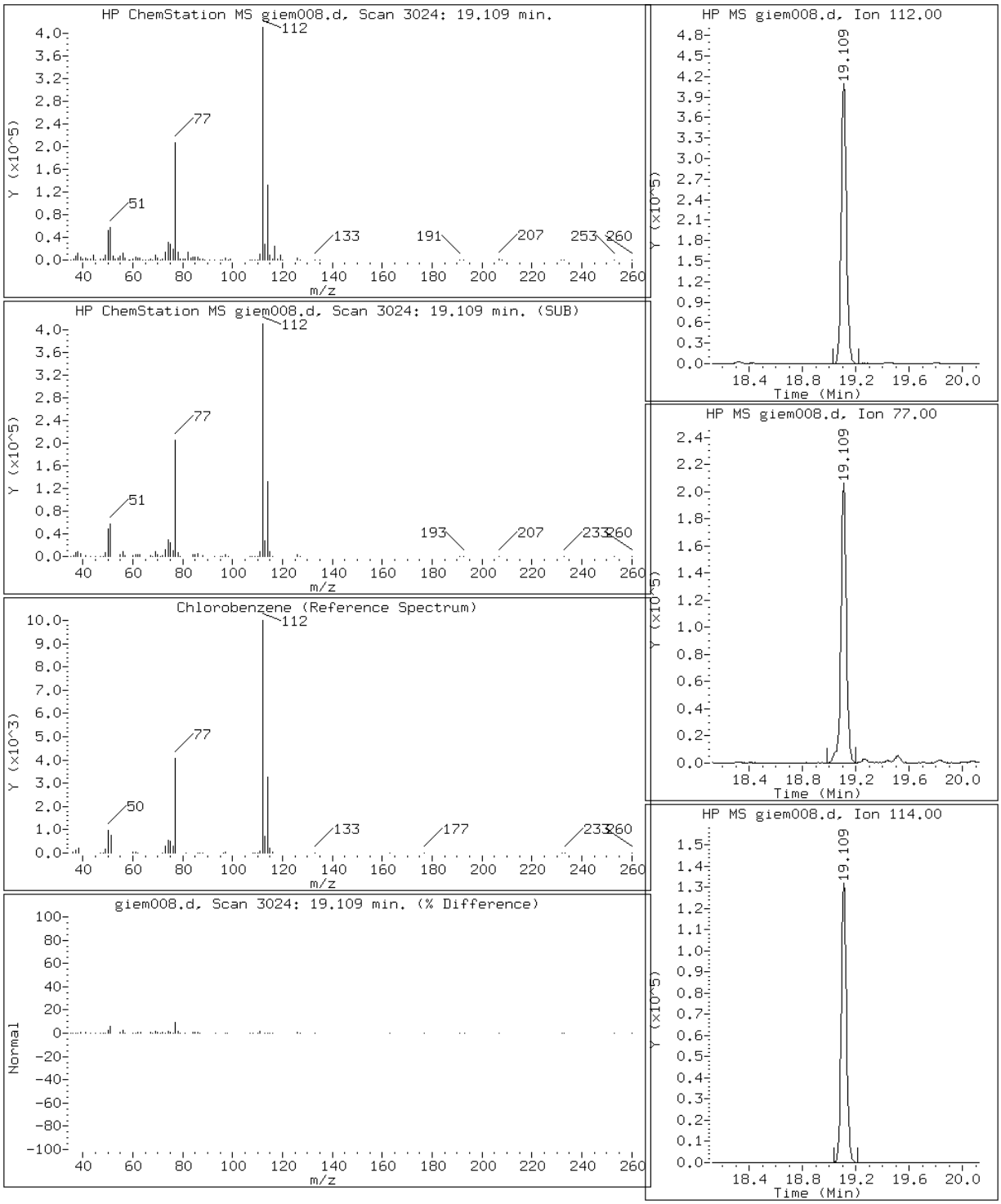
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40812-053013 Lab Sample ID: 200-16861-3

Matrix: Air Lab File ID: giem009.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:25

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:05

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.9		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	3.7		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.079		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.34		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.70		0.50	0.022
95-47-6	o-Xylene	106.17	1.5		0.20	0.016
1330-20-7	Xylenes, Total	106.17	2.2		0.20	0.016
108-90-7	Chlorobenzene	112.30	4.7		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40812-053013 Lab Sample ID: 200-16861-3

Matrix: Air Lab File ID: giem009.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:25

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:05

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	19		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	14		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.54		0.27	0.10
100-41-4	Ethylbenzene	106.17	1.5		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	3.0		2.2	0.096
95-47-6	o-Xylene	106.17	6.5		0.87	0.069
1330-20-7	Xylenes, Total	106.17	9.6		0.87	0.069
108-90-7	Chlorobenzene	112.30	22		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-3
Client Smp ID: SV40812-053013
Inj Date : 10-JUN-2013 16:05
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-3
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.151	3.156	(0.291)	46332	0.54579	0.55
3 Chlorodifluoromethane	51	3.210	3.215	(0.297)	152657	4.39762	4.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	3.809	3.814	(0.352)	29600	1.20952	1.2
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.					
11 2-Methylbutane	43	5.018	5.018	(0.464)	49605	2.92588	2.9
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.456	5.467	(0.505)	40086	0.38999	0.39
14 Pentane	43	5.617	5.622	(0.520)	114101	3.89775	3.9

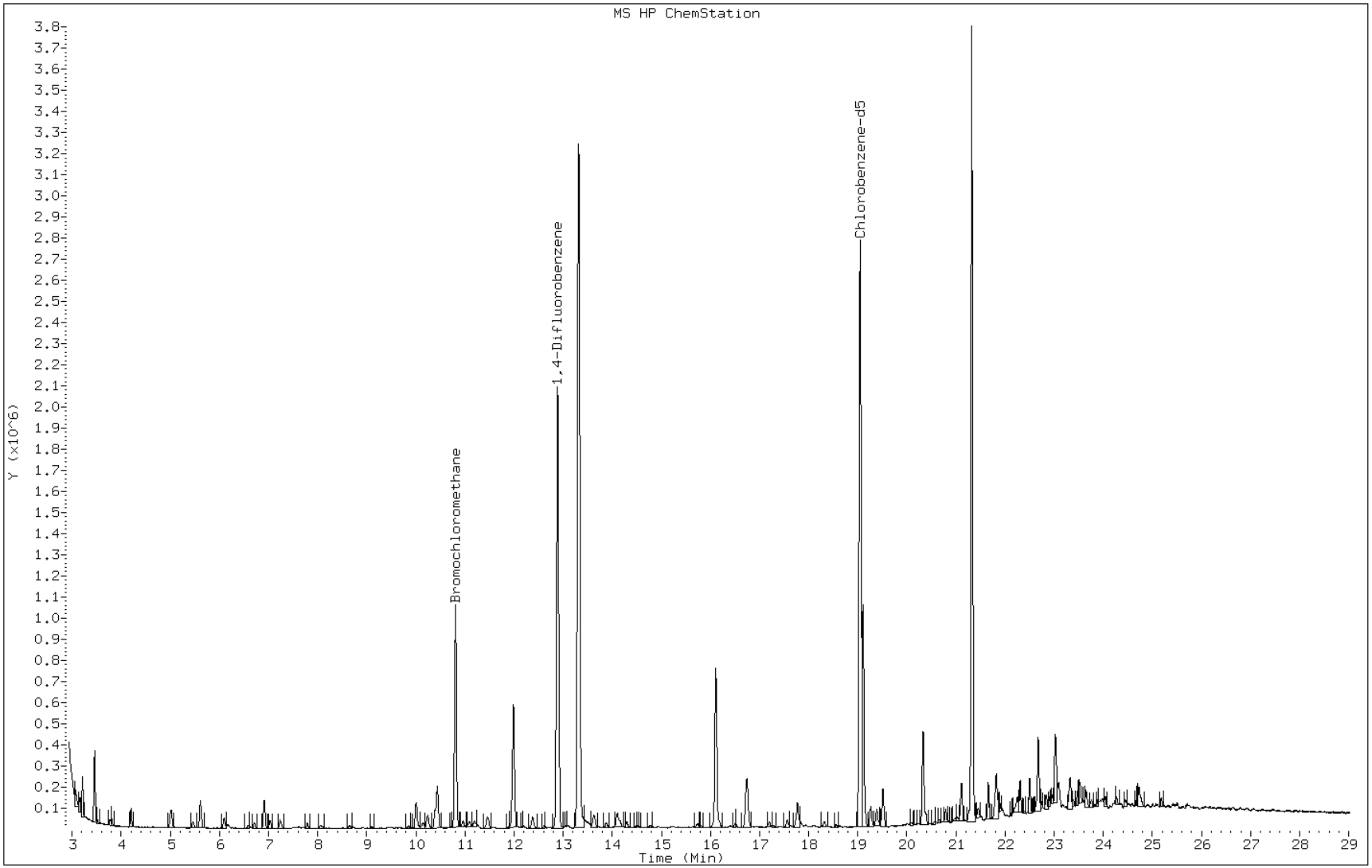
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	6.098	6.120	(0.564)	73397	11.5517	12
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.612	6.617	(0.612)	6046	0.09223	0.092(a)
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	6.912	6.928	(0.639)	209491	6.09965	6.1
	21 Carbon disulfide	76	7.035	7.040	(0.651)	64724	0.80682	0.81
	22 Isopropanol	45	7.243	7.254	(0.670)	68738	3.18290	3.2(a)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	7.794	7.800	(0.721)	15380	0.65455	0.65
	26 Tert-butyl alcohol	59	8.056	8.062	(0.745)	21021	0.53296	0.53(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	8.645	8.656	(0.800)	9810	0.31847	0.32
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	10.437	10.464	(0.965)	14979	6.04115	6.0
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.812	10.828	(1.000)	523240	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	10.951	10.972	(1.013)	25401	0.25636	0.26
	40 Cyclohexane	84	11.191	11.207	(0.868)	25578	0.45322	0.45
	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	11.988	12.004	(0.930)	896898	5.87261	5.9
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	12.379	12.390	(0.961)	34234	0.50754	0.51
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3247639	10.0000	
	48 n-Butanol	56	13.315	13.342	(1.033)	3620852	192.684	190(A)
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	14.144	14.171	(1.098)	15064	0.23672	0.24(a)
	52 Dibromomethane	174	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	15.830	15.835	(1.228)	5440	0.05147	0.051(a)
	57 n-Octane	43	16.177	16.183	(1.255)	14533	0.13137	0.13(a)
	58 Toluene	92	16.108	16.124	(0.846)	583680	3.69232	3.7
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.199	17.215	(0.903)	13842	0.07944	0.079(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.568	17.584	(0.922)	21748	0.26206	0.26(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3089064	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	1027953	4.68950	4.7
67	n-Nonane	57	19.387	19.403	(1.018)	47555	0.37572	0.38
68	Ethylbenzene	91	19.264	19.280	(1.011)	109448	0.33556	0.34
69	Xylene (m,p)	106	19.515	19.532	(1.024)	93079	0.69608	0.70
M 70	Xylenes, Total	106				300083	2.20357	2.2
71	Xylene (o)	106	20.334	20.345	(1.067)	207004	1.50749	1.5
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	20.971	20.987	(1.101)	11808	0.03113	0.031(a)
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	167630	0.41077	0.41
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	21.821	21.832	(1.145)	110893	0.79938	0.80
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	39200	0.11812	0.12(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.939	21.955	(1.152)	21642	0.06790	0.068(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	80822	0.26418	0.26
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	13421	0.06928	0.069(a)
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	49999	0.28151	0.28
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	23.533	23.544	(1.235)	55190	0.38105	0.38(a)
91	n-Butylbenzene	91	23.512	23.528	(1.234)	49823	0.17500	0.17(a)
92	1,2-Dichlorobenzene	146	23.640	23.656	(1.241)	31656	0.15505	0.16(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	giem009.d	Date:	10-JUN-2013 16:05
Client ID:	SV40812-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-3		
Lab Sample ID:	200-16861-3		



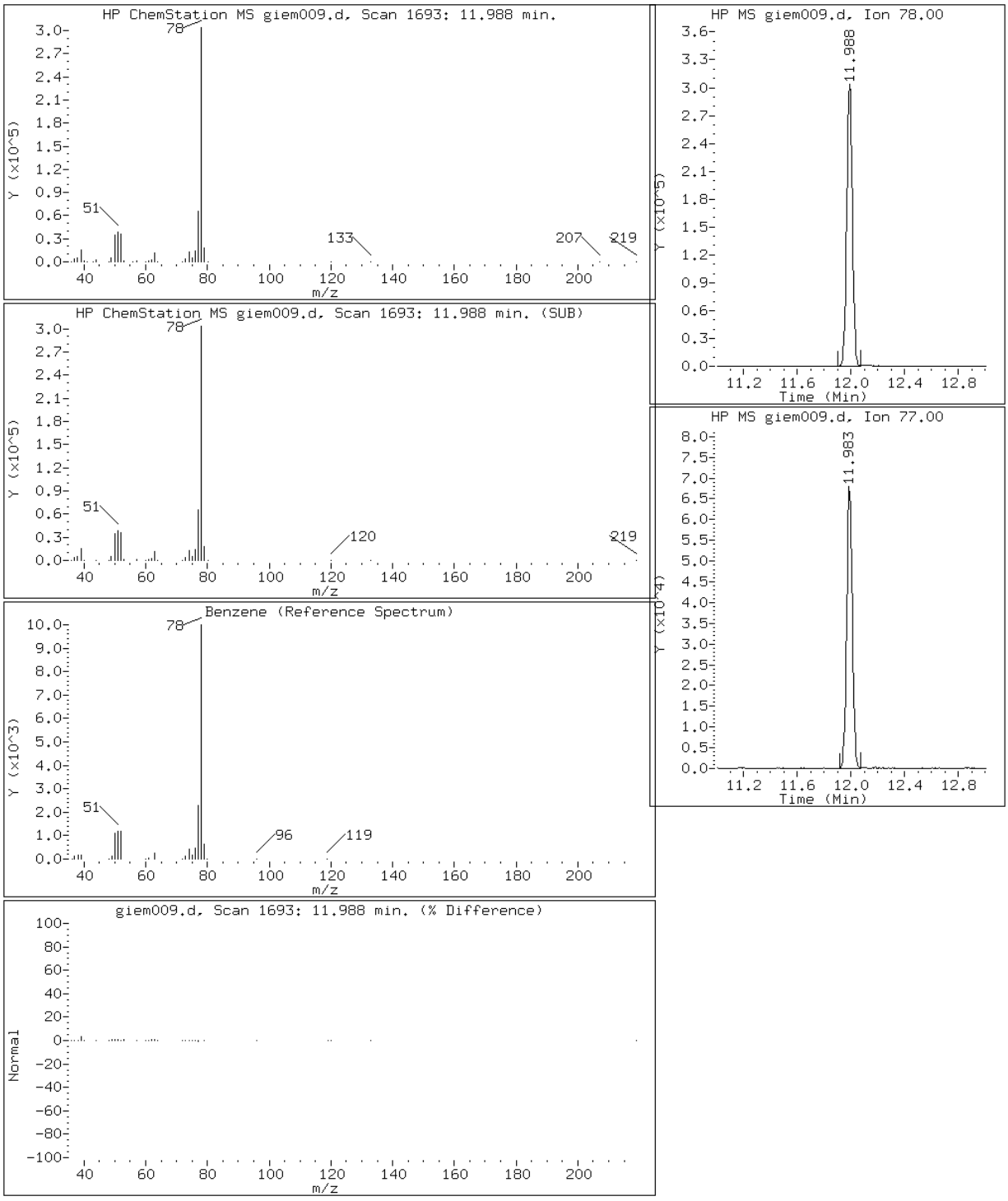
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

44 Benzene



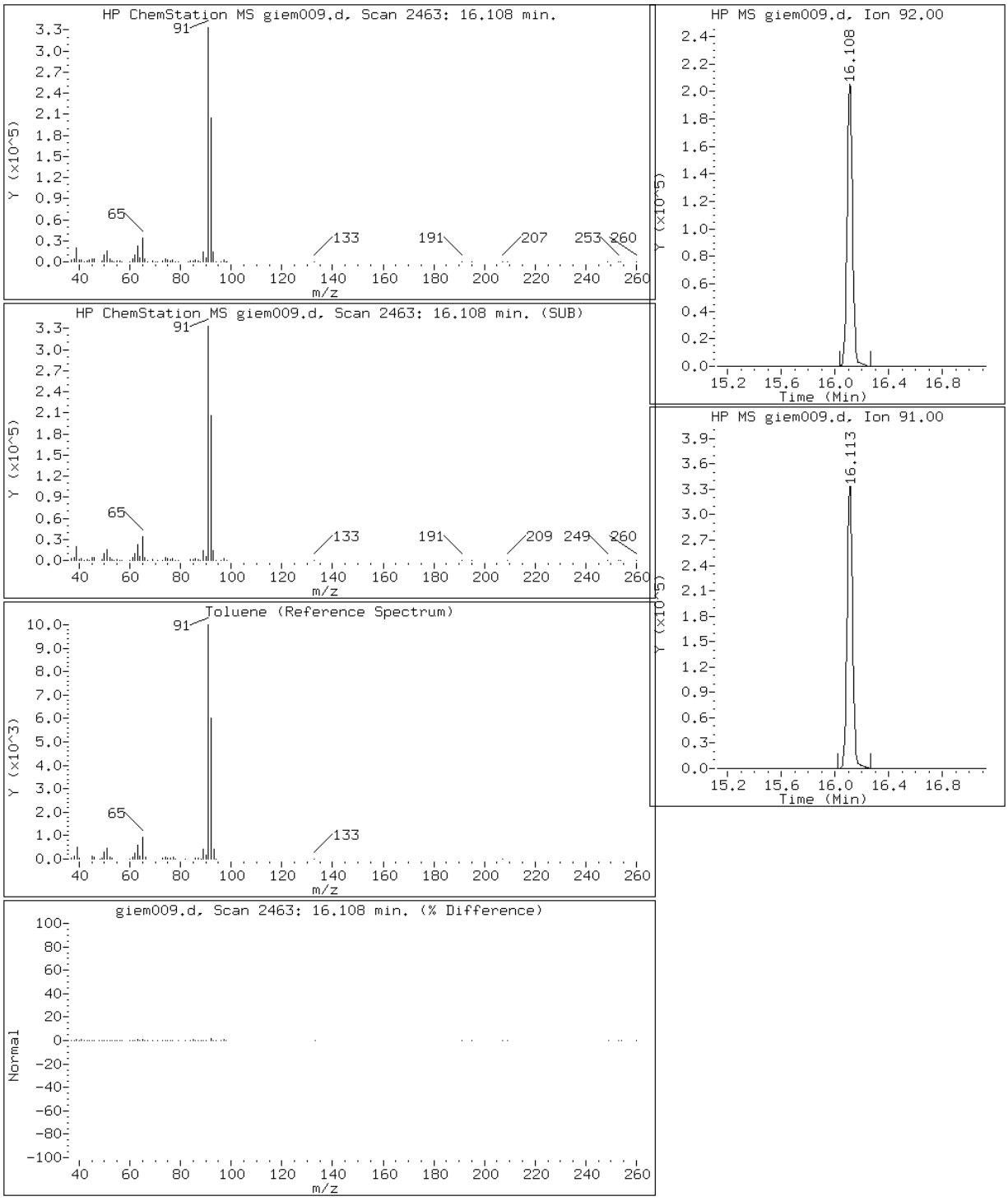
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

58 Toluene



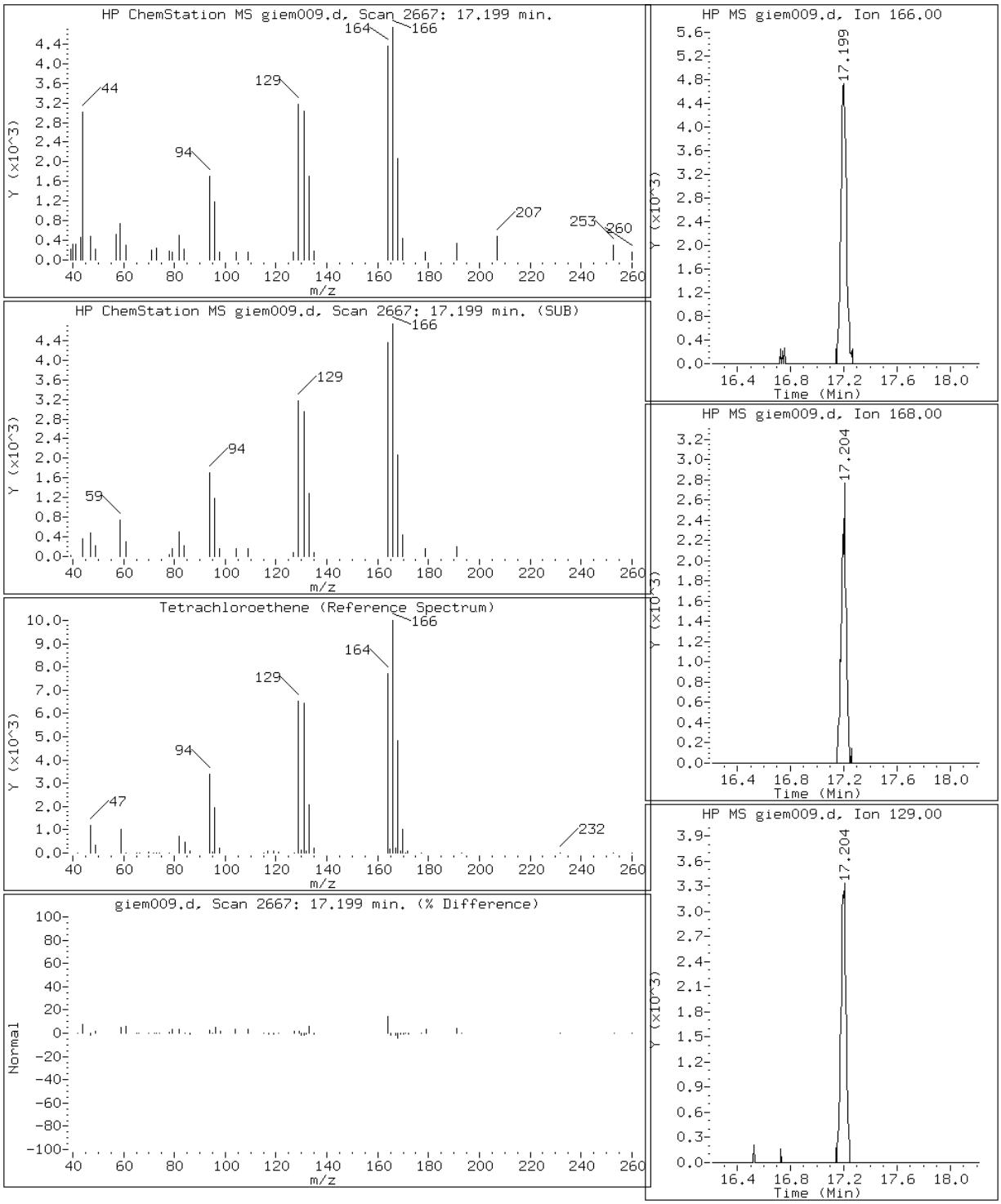
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

61 Tetrachloroethene



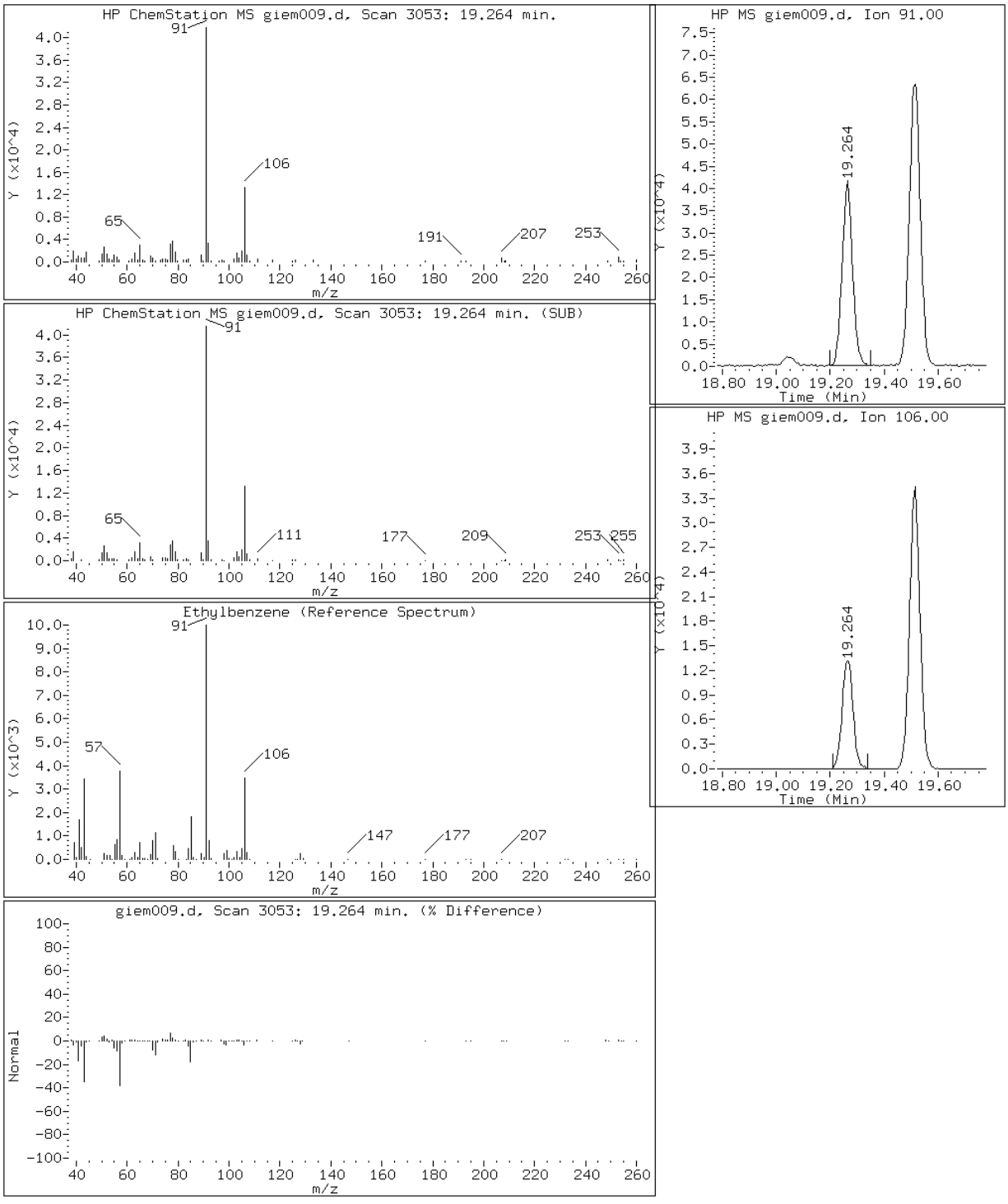
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

68 Ethylbenzene



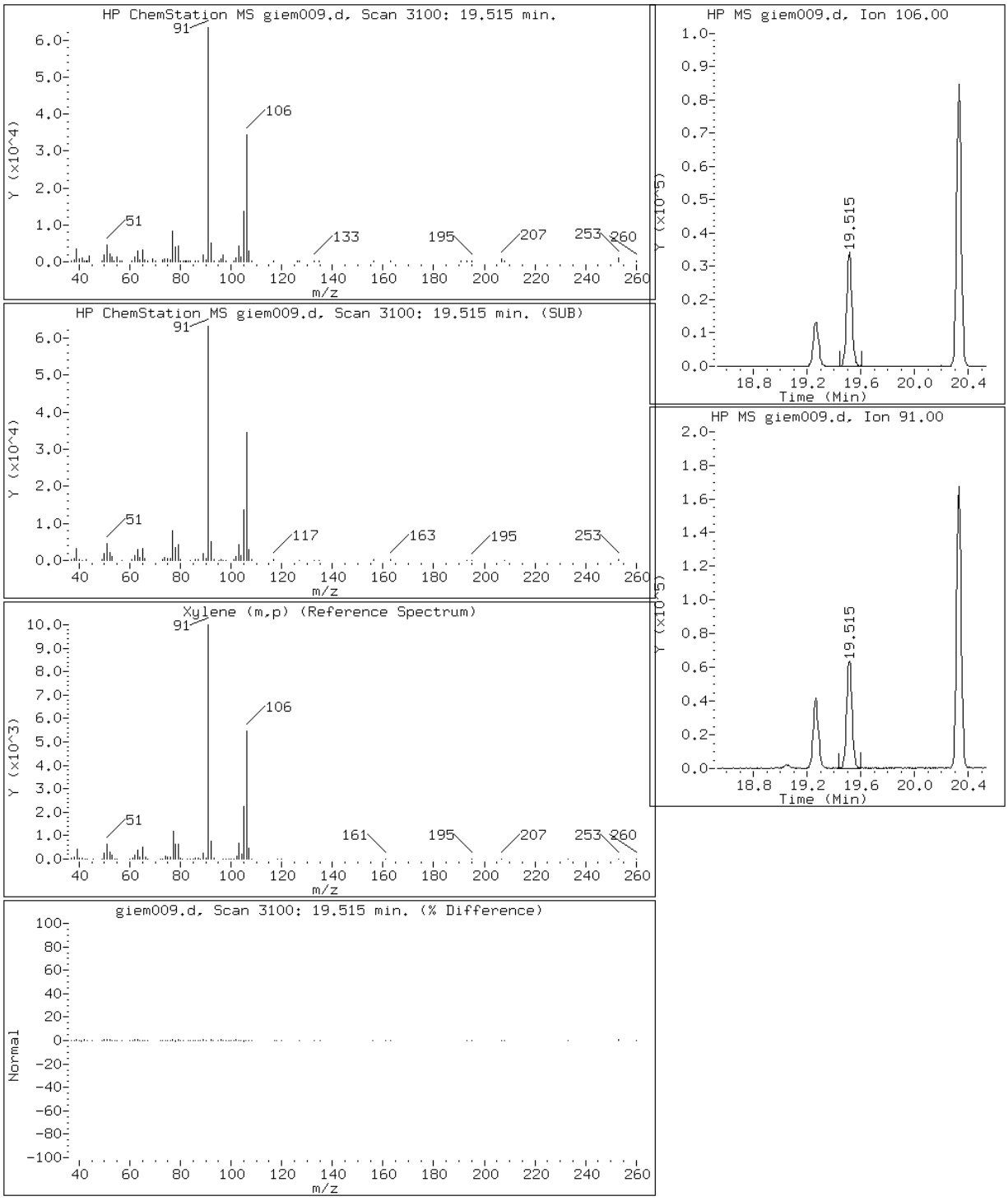
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

69 Xylene (m,p)



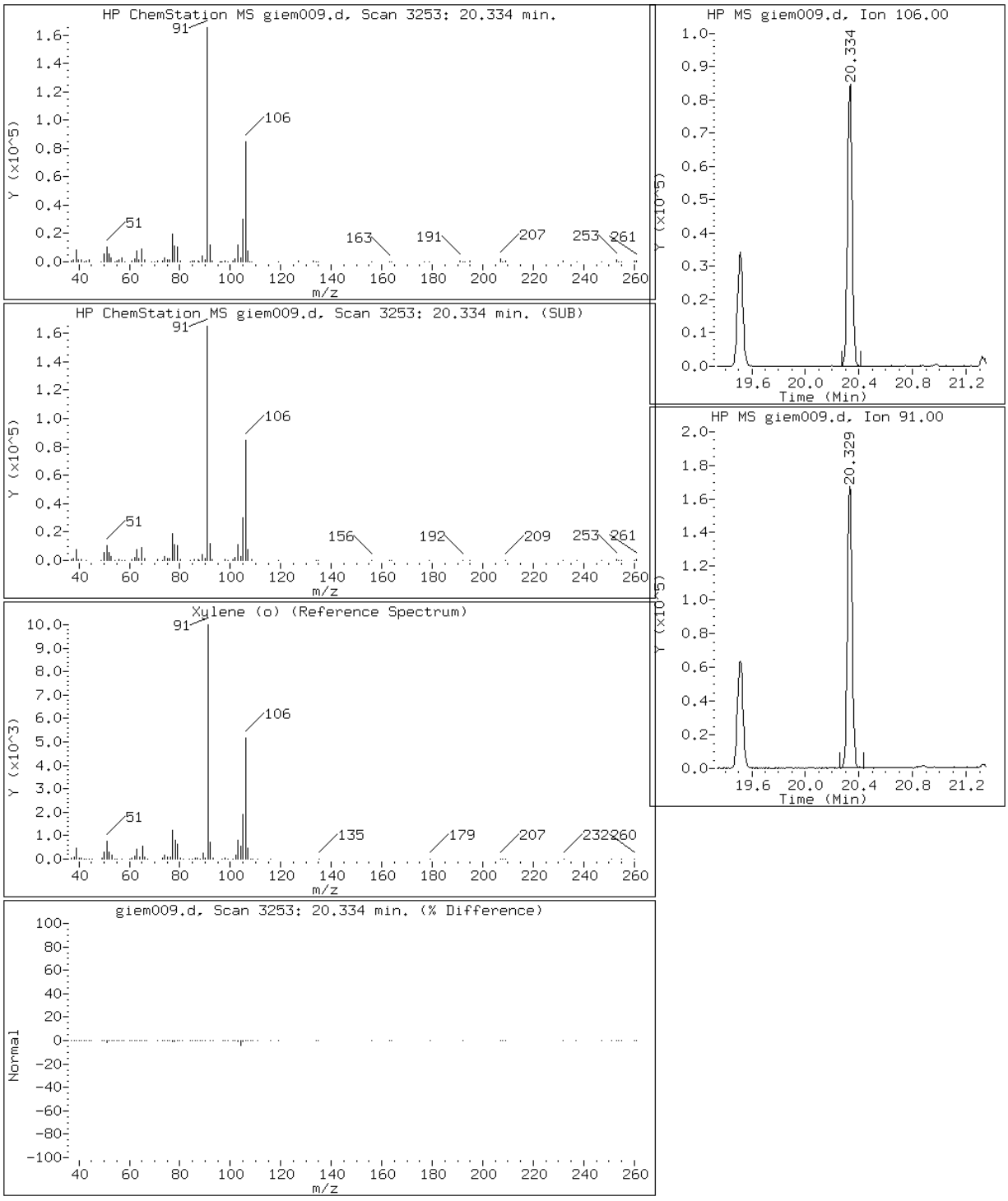
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

71 Xylene (o)



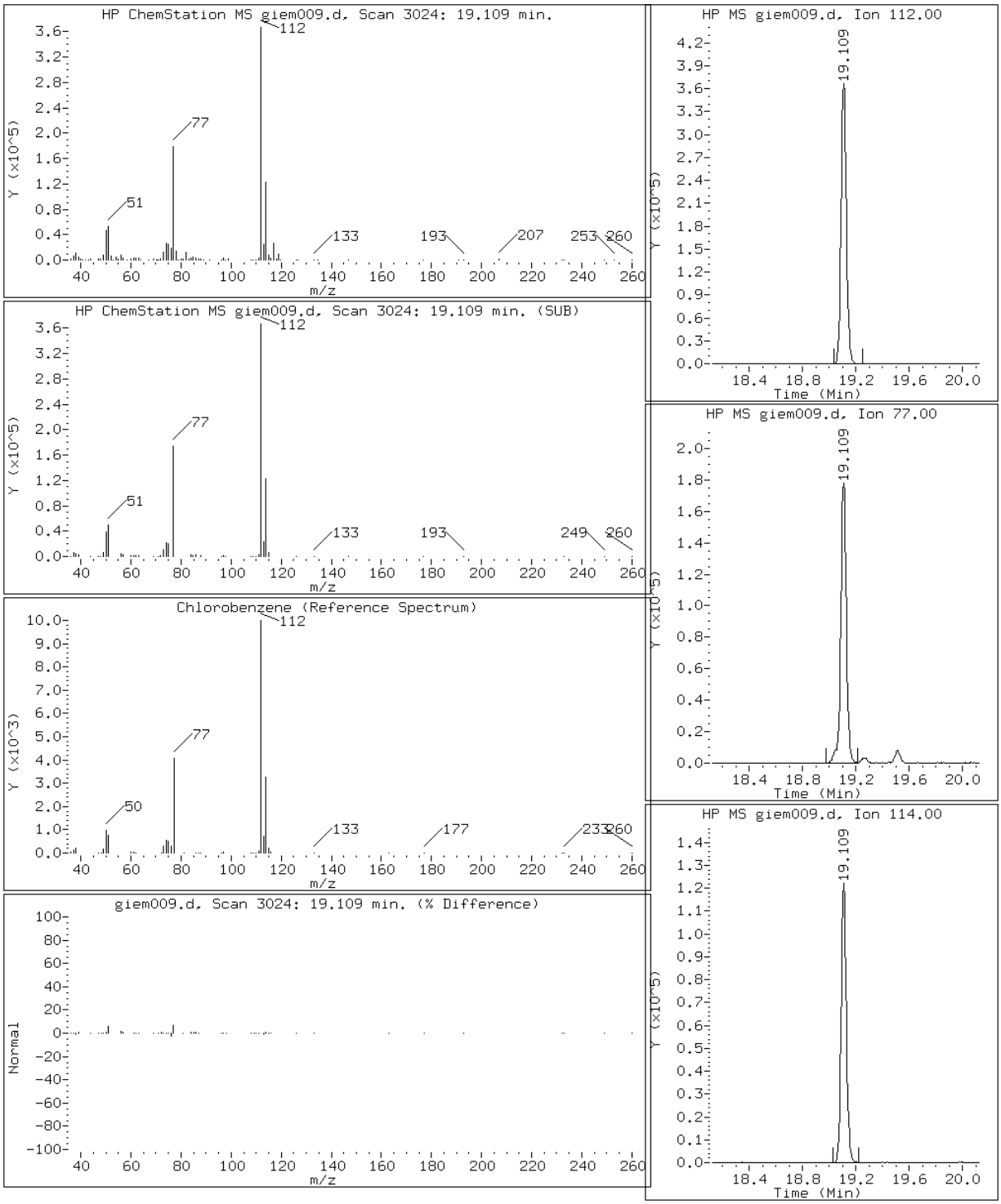
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40772-053013 Lab Sample ID: 200-16861-4

Matrix: Air Lab File ID: giem010.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:37

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:52

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	3.4		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.78		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.27		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.13	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.20	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.80		0.20	0.016
1330-20-7	Xylenes, Total	106.17	1.0		0.20	0.016
108-90-7	Chlorobenzene	112.30	2.8		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40772-053013 Lab Sample ID: 200-16861-4

Matrix: Air Lab File ID: giem010.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:37

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:52

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	11		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	2.9		0.75	0.053
127-18-4	Tetrachloroethene	165.83	1.8		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.57	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	0.86	J	2.2	0.096
95-47-6	o-Xylene	106.17	3.5		0.87	0.069
1330-20-7	Xylenes, Total	106.17	4.3		0.87	0.069
108-90-7	Chlorobenzene	112.30	13		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-4
Client Smp ID: SV40772-053013
Inj Date : 10-JUN-2013 16:52
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-4
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.151	3.156	(0.292)	50174	0.59732	0.60
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.589	3.595	(0.332)	4695	0.27736	0.28(a)
6 Butane	43	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.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.456	5.467	(0.505)	28598	0.28117	0.28
14 Pentane	43	Compound Not Detected.					

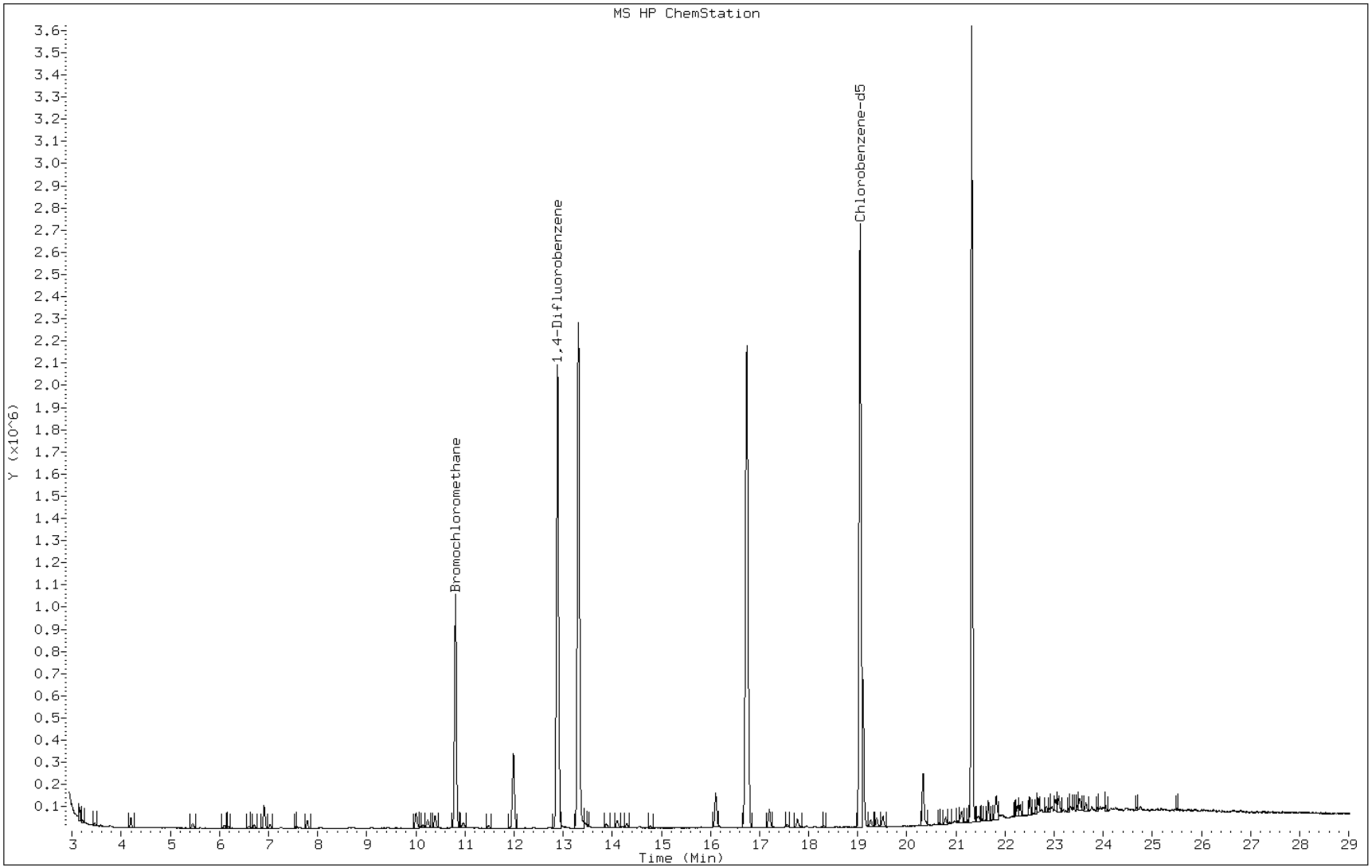
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.098	6.120	(0.564)	21082	3.35321	3.4(a)
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.612)	6017	0.09277	0.093(aM)
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	6.912	6.928	(0.640)	161128	4.74123	4.7(a)
21	Carbon disulfide	76	7.035	7.040	(0.651)	26569	0.33471	0.33(a)
22	Isopropanol	45	7.254	7.254	(0.671)	7349	0.34390	0.34(a)
23	Allyl chloride	41	Compound Not Detected.					
24	Acetonitrile	41	Compound Not Detected.					
25	Methylene chloride	49	7.784	7.800	(0.720)	22113	0.95107	0.95
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.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.389	10.416	(0.961)	28884	1.64521	1.6
* 37	Bromochloromethane	128	10.806	10.828	(1.000)	517750	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	10.951	10.972	(1.013)	7690	0.07843	0.078(a)
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	11.496	11.507	(0.892)	7069	0.04490	0.045
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	11.988	12.004	(0.930)	521268	3.42296	3.4
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	12.384	12.390	(0.961)	2400	0.03568	0.036(aQ)
* 47	1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3238290	10.0000	
48	n-Butanol	56	13.310	13.342	(1.033)	2461002	131.341	130(A)
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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	15.813	15.835	(1.227)	4700	0.04459	0.045(a)
57	n-Octane	43	16.167	16.183	(1.254)	4849	0.04396	0.044(a)
58	Toluene	92	16.108	16.124	(0.846)	120571	0.78007	0.78
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	17.194	17.215	(0.903)	45913	0.26949	0.27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.568	17.584	(0.922)	14190	0.17487	0.17(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.045	19.066	(1.000)	3020372	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	606839	2.83135	2.8
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.264	19.280	(1.012)	41565	0.13033	0.13(a)
69	Xylene (m,p)	106	19.515	19.532	(1.025)	25842	0.19765	0.20(a)
M 70	Xylenes, Total	106				133689	1.00090	1.0
71	Xylene (o)	106	20.334	20.345	(1.068)	107847	0.80325	0.80
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	94972	0.23802	0.24
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	21.821	21.832	(1.146)	42160	0.31083	0.31(a)
79	4-Ethyltoluene	105	21.837	21.853	(1.147)	23476	0.07235	0.072(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.501	22.517	(1.181)	43820	0.14649	0.15(a)
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.213)	30189	0.17384	0.17(a)
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.512	23.528	(1.235)	34674	0.12456	0.12(a)
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.242)	18724	0.09380	0.094(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	giem010.d	Date:	10-JUN-2013 16:52
Client ID:	SV40772-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-4		
Lab Sample ID:	200-16861-4		



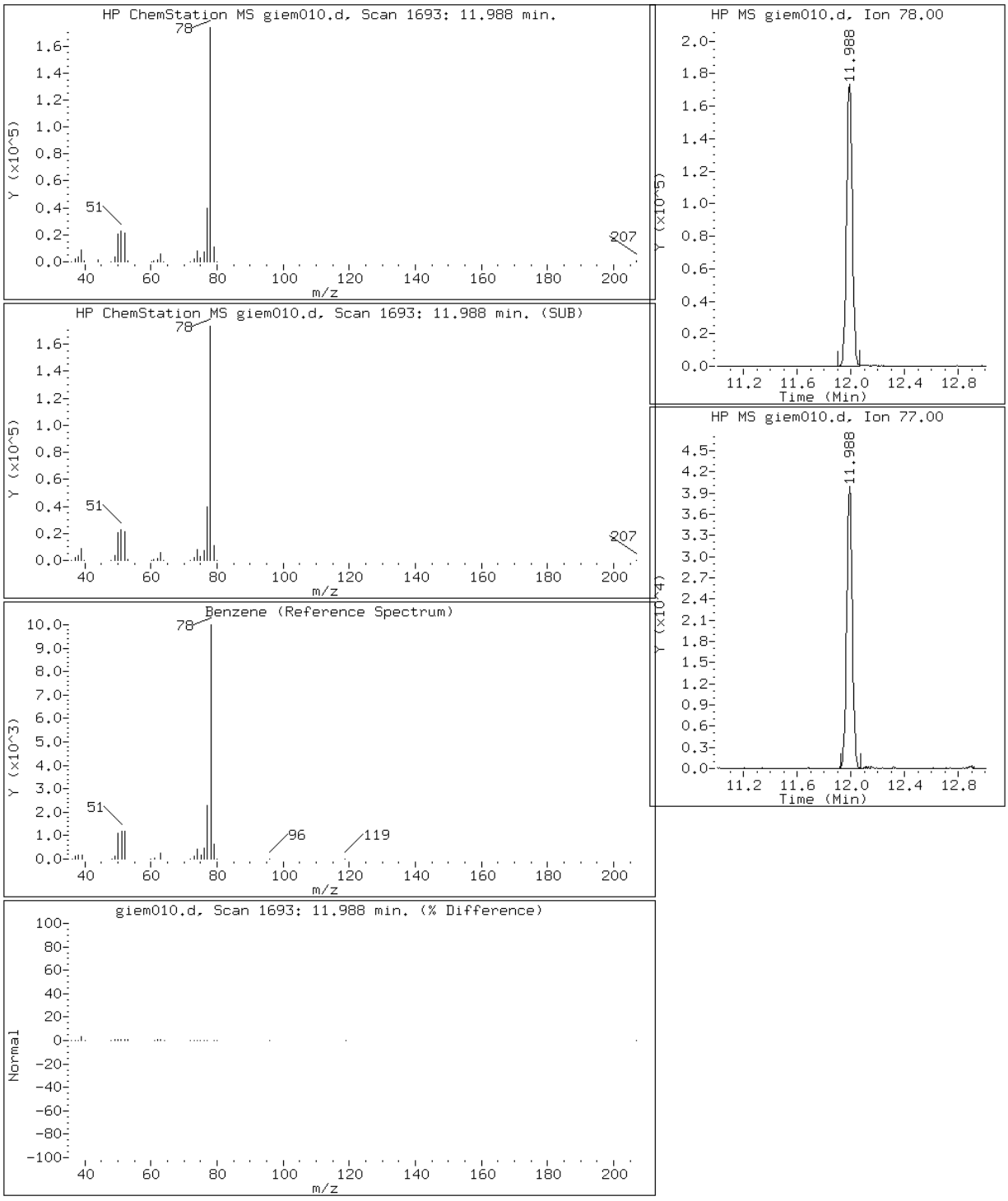
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

44 Benzene



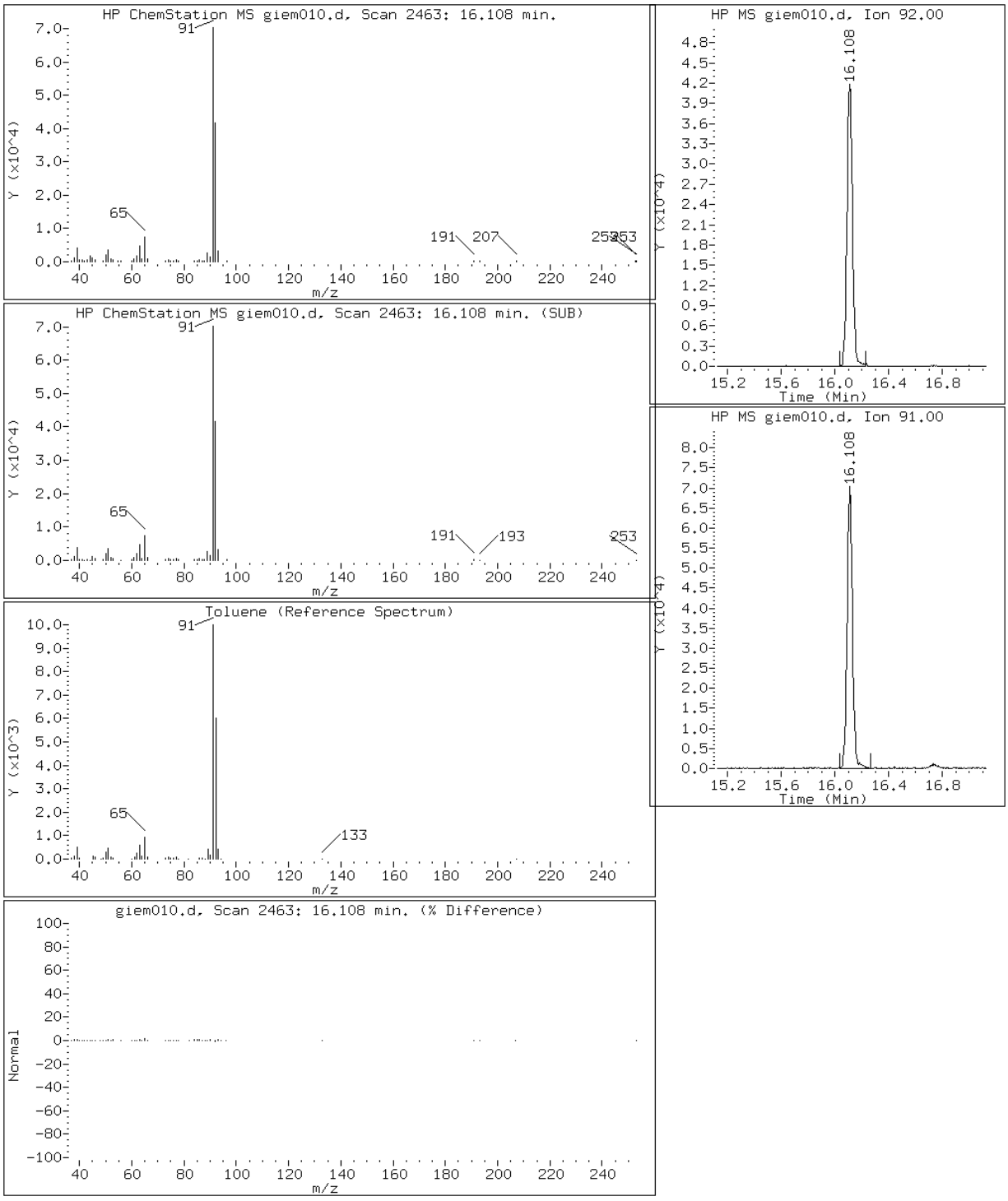
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

58 Toluene



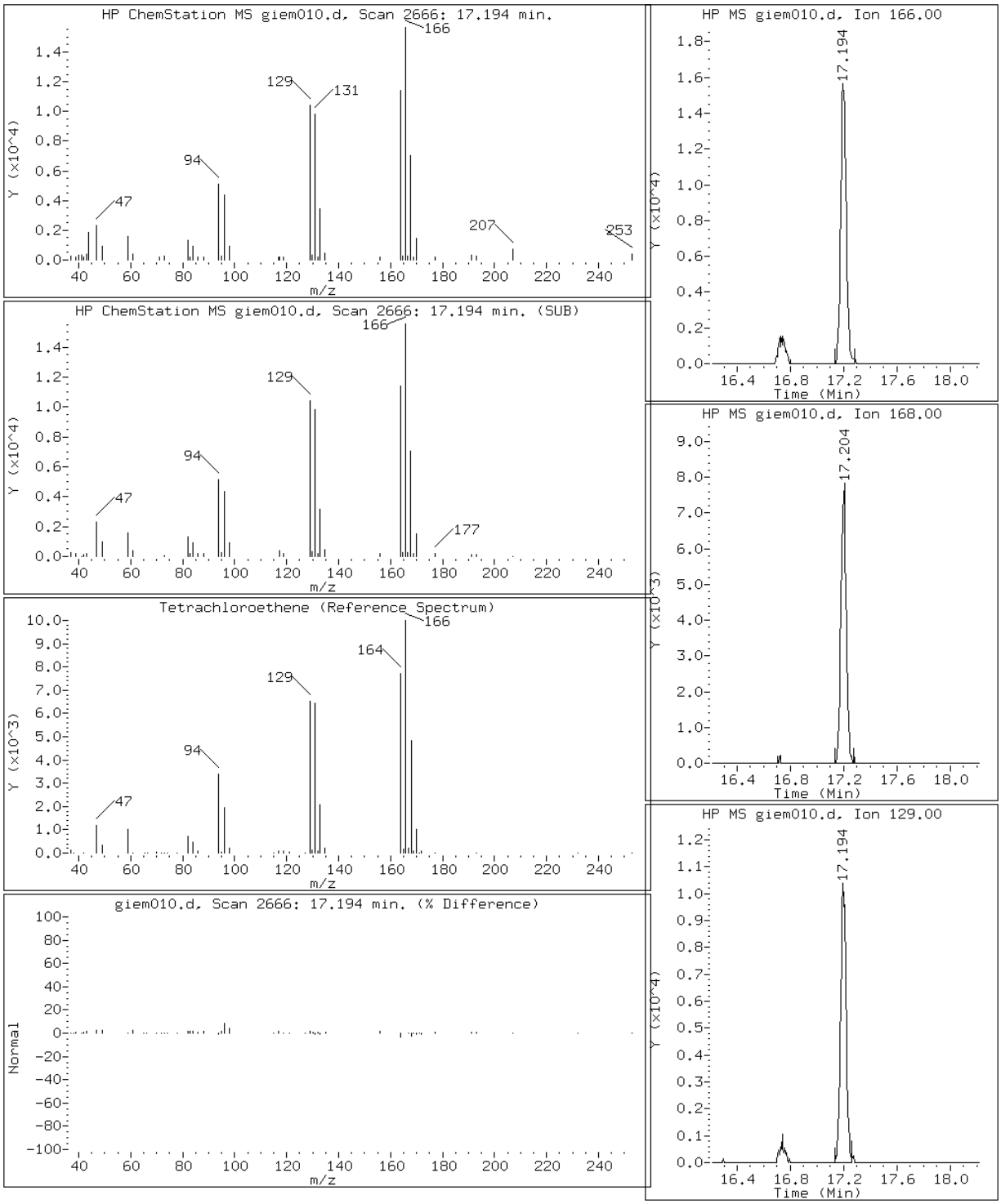
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

61 Tetrachloroethene



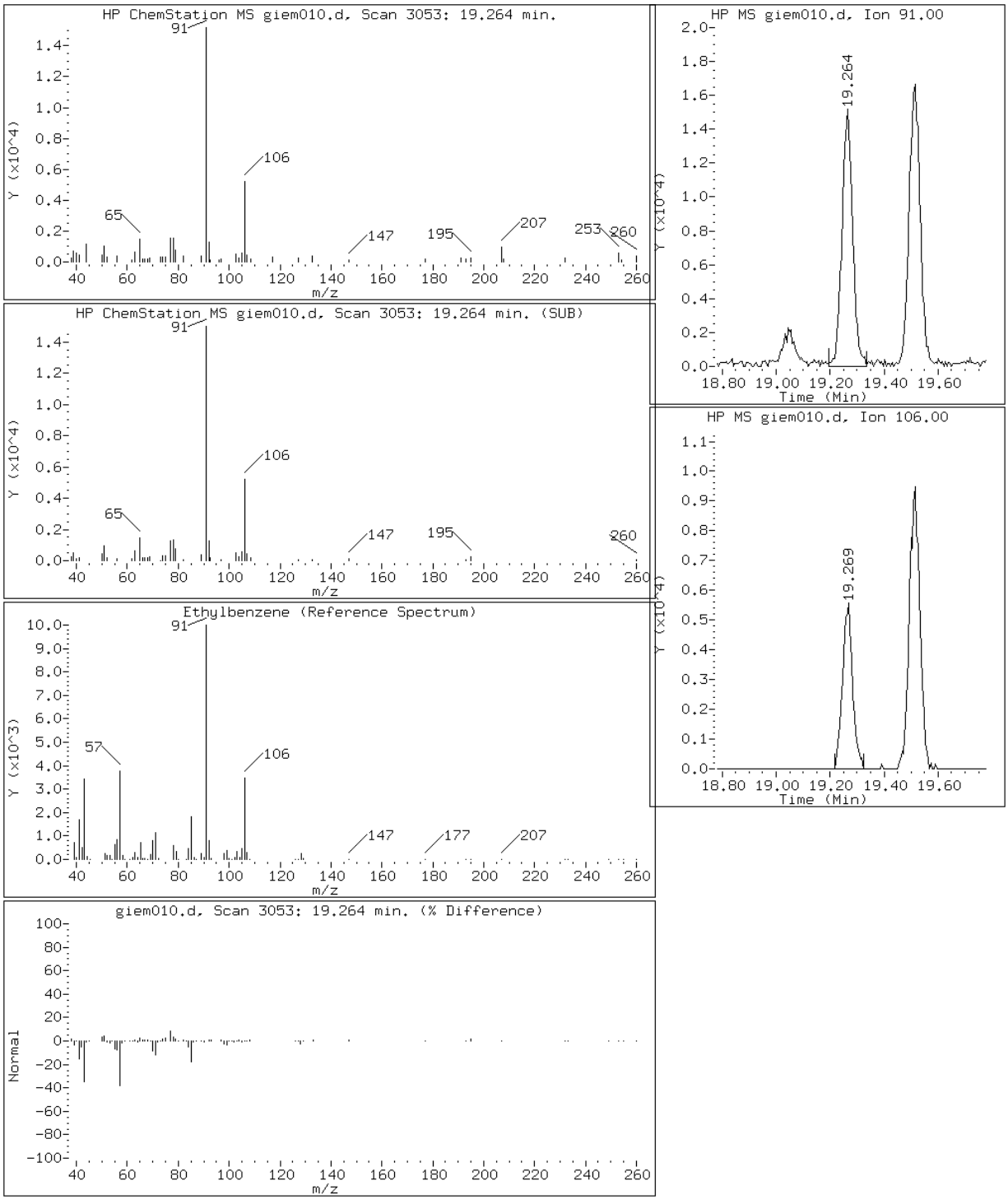
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

68 Ethylbenzene



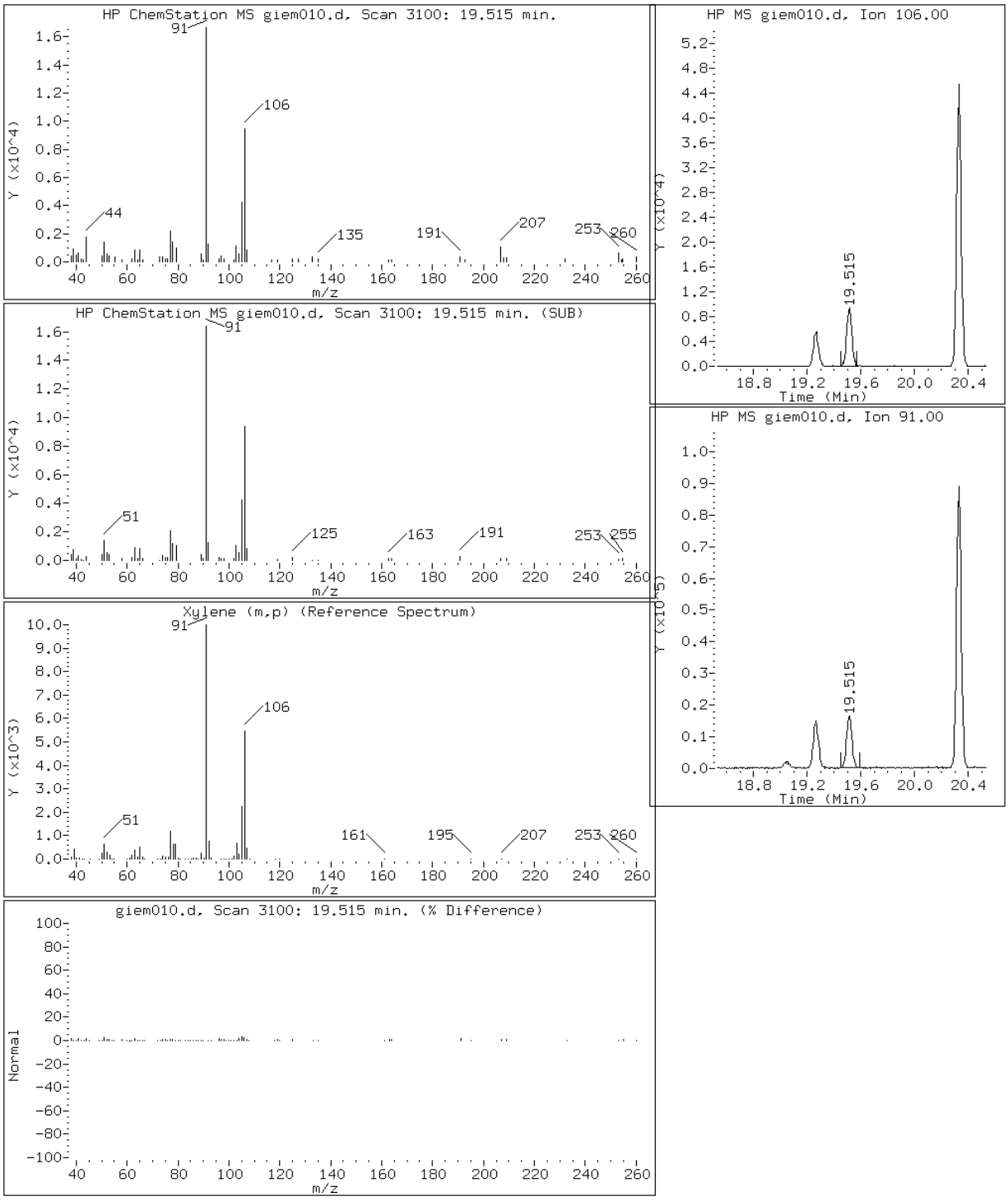
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

69 Xylene (m,p)



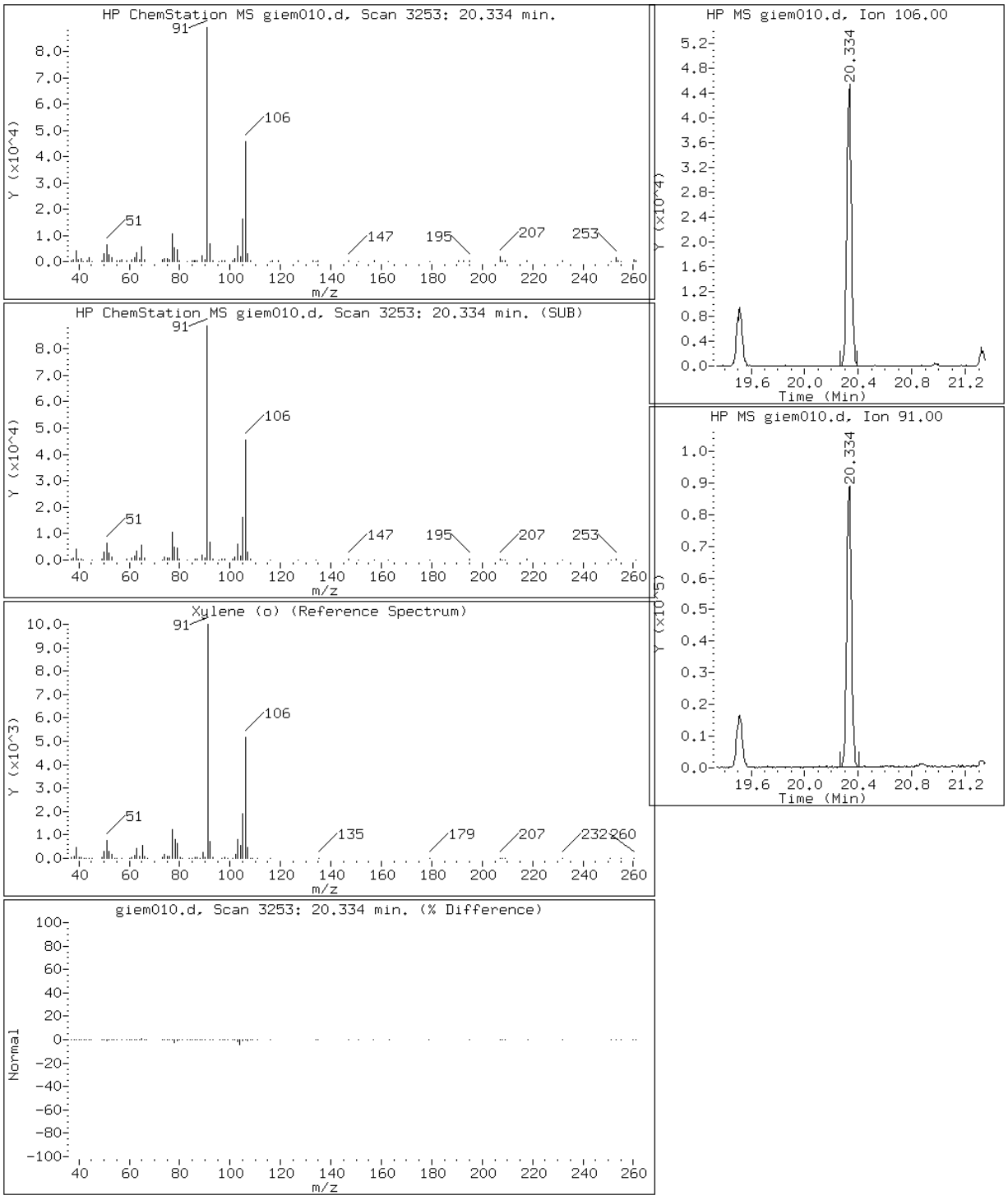
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

71 Xylene (o)



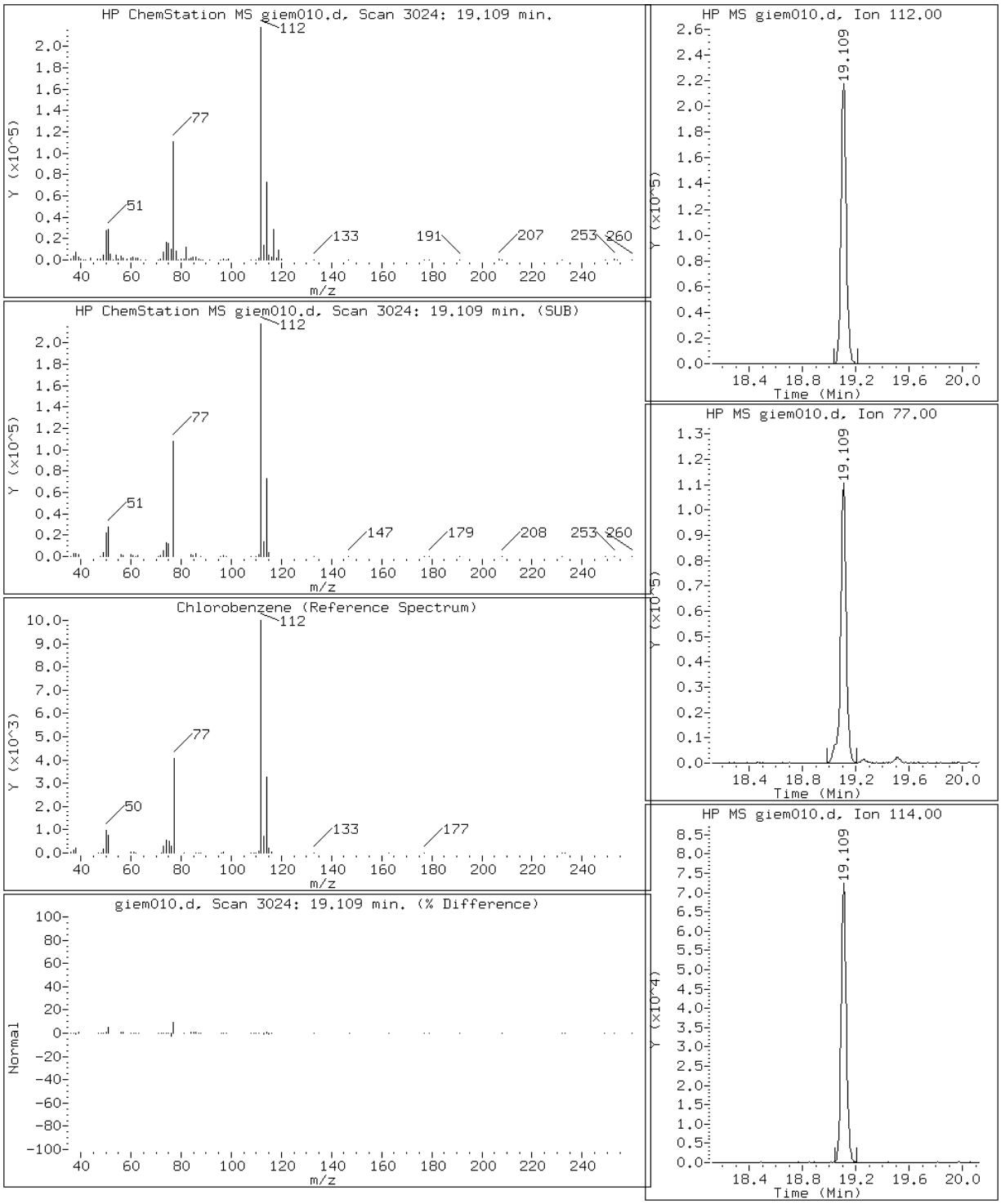
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

66 Chlorobenzene



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55724/3	gie003.d
Level 2	IC 200-55724/4	gie004.d
Level 3	IC 200-55724/5	gie005.d
Level 4	IC 200-55724/6	gie006.d
Level 5	ICIS 200-55724/7	gie007.d
Level 6	IC 200-55724/8	gie008.d
Level 7	IC 200-55724/9	gie009.d
Level 8	IC 200-55724/10	gie010.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								
Propylene	+++++ 0.2195	+++++ 0.2083	0.2816 0.1832	0.2192	0.2185	Ave		0.2217				14.6		30.0			
Dichlorodifluoromethane	+++++ 1.6623	+++++ 1.6029	1.7565 1.3812	1.6814	1.6500	Ave		1.6224				7.9		30.0			
Freon 22	+++++ 0.6793	+++++ 0.6597	0.7067 0.5775	0.6813	0.6761	Ave		0.6634				6.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5663	1.5771 1.5056	1.6701 1.2837	1.6024	1.5629	Ave		1.5383				8.0		30.0			
Chloromethane	+++++ 0.3332	+++++ 0.3226	0.3615 0.2827	0.3322	0.3295	Ave		0.3269				7.8		30.0			
n-Butane	+++++ 0.4680	+++++ 0.4508	0.5818 0.3907	0.4608	0.4542	Ave		0.4677				13.3		30.0			
Vinyl chloride	0.5165 0.4350	0.4311 0.4192	0.4234 0.3719	0.4319	0.4217	Ave		0.4313				9.2		30.0			
1,3-Butadiene	+++++ 0.2766	0.2886 0.2690	0.3058 0.2368	0.2805	0.2760	Ave		0.2762				7.6		30.0			
Bromomethane	+++++ 0.5791	0.5660 0.5626	0.5958 0.4930	0.5826	0.5786	Ave		0.5654				6.0		30.0			
Chloroethane	+++++ 0.1758	+++++ 0.1695	0.1795 0.1524	0.1709	0.1729	Ave		0.1702				5.5		30.0			
Isopentane	+++++ 0.3179	0.3411 0.3063	0.3985 0.2711	0.3153	0.3180	Ave		0.3240				12.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.6882	0.7013 0.6689	0.6829 0.5863	0.6759	0.6738	Ave		0.6682				5.6		30.0			
Trichlorofluoromethane	+++++ 2.0176	1.9680 1.9474	2.0860 1.7181	2.0268	1.9871	Ave		1.9644				6.0		30.0			
n-Pentane	+++++ 0.5630	+++++ 0.5390	0.6715 0.4687	0.5654	0.5492	Ave		0.5595				11.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
Ethanol	+++++ 0.1171	+++++ 0.1204	0.1394 0.1073	0.1229	0.1216	Ave		0.1214				8.6		30.0			
Ethyl ether	+++++ 0.2829	0.2768 0.2726	0.2720 0.2395	0.2736	0.2743	Ave		0.2702				5.2		30.0			
Acrolein	+++++ 0.1161	+++++ 0.1285	+++++ 0.1176	0.1565	0.1463	Ave		0.1330				13.4		30.0			
Freon TF	+++++ 1.2736	1.3298 1.2232	1.3588 1.0508	1.2813	1.2520	Ave		1.2528				8.0		30.0			
1,1-Dichloroethene	+++++ 0.5302	0.5815 0.5120	0.5621 0.4463	0.5336	0.5215	Ave		0.5268				8.1		30.0			
Acetone	+++++ 0.5723	+++++ 0.5578	+++++ 0.4946	0.9515	0.7057	Ave		0.6564				27.7		30.0			
Carbon disulfide	+++++ 1.5718	+++++ 1.5293	1.6031 1.3453	1.5742	1.5753	Ave		1.5332				6.2		30.0			
Isopropyl alcohol	+++++ 0.4385	+++++ 0.3975	+++++ 0.3609	0.4263	0.4405	Ave		0.4127				8.2		30.0			
3-Chloropropene	+++++ 0.3914	0.4387 0.3839	0.4118 0.3378	0.3881	0.3899	Ave		0.3917				7.8		30.0			
Acetonitrile	+++++ 0.2403	+++++ 0.2320	+++++ 0.2047	0.2547	0.2405	Ave		0.2344				7.9		30.0			
Methylene Chloride	+++++ 0.4459	+++++ 0.4333	0.5407 0.3822	0.4530	0.4393	Ave		0.4491				11.5		30.0			
tert-Butyl alcohol	+++++ 0.7867	+++++ 0.7061	+++++ 0.6568	0.8177	0.8016	Ave		0.7538				9.2		30.0			
Methyl tert-butyl ether	+++++ 1.4144	1.3387 1.3722	1.3980 1.2028	1.4004	1.3843	Ave		1.3587				5.4		30.0			
trans-1,2-Dichloroethene	+++++ 0.6924	0.7192 0.6729	0.7155 0.5811	0.7002	0.6898	Ave		0.6816				6.9		30.0			
Acrylonitrile	+++++ 0.2774	+++++ 0.2691	0.2717 0.2438	0.2714	0.2753	Ave		0.2681				4.6		30.0			
n-Hexane	+++++ 0.5984	0.6028 0.5722	0.6629 0.5028	0.5901	0.5919	Ave		0.5887				8.0		30.0			
1,1-Dichloroethane	1.3640 0.9957	0.9655 0.9705	1.0062 0.8631	0.9878	0.9820	Ave		1.0169				14.5		30.0			
Vinyl acetate	+++++ 1.0430	+++++ 1.0090	+++++ 0.9000	1.0199	1.0169	Ave		0.9978				5.6		30.0			
cis-1,2-Dichloroethene	+++++ 0.8383	0.8274 0.8072	0.8373 0.7120	0.8323	0.8264	Ave		0.8116				5.6		30.0			
Methyl Ethyl Ketone	+++++ 0.2924	+++++ 0.2869	0.5834 0.2520	0.3154	0.3045	Ave		0.3391				35.9	*	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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
Ethyl acetate	+++++ 0.0495	+++++ 0.0478	+++++ 0.0408	0.0493	0.0496	Ave		0.0474				7.9		30.0			
Tetrahydrofuran	+++++ 0.0846	+++++ 0.0809	+++++ 0.0694	0.0904	0.0856	Ave		0.0822				9.6		30.0			
Chloroform	+++++ 1.9588	1.8822 1.8850	1.9895 1.6528	1.9547	1.9325	Ave		1.8936				6.0		30.0			
Cyclohexane	+++++ 0.1730	0.1866 0.1635	0.1950 0.1377	0.1856	0.1749	Ave		0.1738				10.9		30.0			
1,1,1-Trichloroethane	+++++ 0.3830	0.4127 0.3659	0.4111 0.3131	0.4002	0.3820	Ave		0.3811				9.0		30.0			
Carbon tetrachloride	0.5829 0.4876	0.4704 0.4697	0.4925 0.4076	0.4952	0.4836	Ave		0.4862				9.9		30.0			
2,2,4-Trimethylpentane	+++++ 0.5766	0.6490 0.5435	0.6624 0.4484	0.6333	0.5909	Ave		0.5863				12.6		30.0			
Benzene	+++++ 0.4594	0.5472 0.4331	0.5180 0.3597	0.5031	0.4714	Ave		0.4703				13.2		30.0			
1,2-Dichloroethane	+++++ 0.2343	0.2487 0.2256	0.2355 0.1961	0.2400	0.2341	Ave		0.2306				7.3		30.0			
n-Heptane	+++++ 0.2016	0.2347 0.1890	0.2480 0.1575	0.2188	0.2042	Ave		0.2077				14.4		30.0			
n-Butanol	+++++ 0.0647	+++++ 0.0611	+++++ 0.0585	0.0424	0.0626	Ave		0.0579				15.4		30.0			
Trichloroethene	0.3774 0.3043	0.3125 0.2905	0.2944 0.2479	0.3029	0.2994	Ave		0.3037				11.7		30.0			
1,2-Dichloropropane	+++++ 0.2212	0.2178 0.2109	0.2206 0.1794	0.2269	0.2201	Ave		0.2138				7.4		30.0			
Methyl methacrylate	+++++ 0.2076	+++++ 0.1991	0.1899 0.1698	0.2073	0.2020	Ave		0.1959				7.3		30.0			
1,4-Dioxane	+++++ 0.0896	+++++ 0.0831	+++++ 0.0702	0.0904	0.0967	Ave		0.0860				11.7		30.0			
Dibromomethane	+++++ 0.3586	0.3245 0.3479	0.2999 0.3129	0.3343	0.3440	Ave		0.3317				6.2		30.0			
Bromodichloromethane	+++++ 0.5213	0.4726 0.5032	0.4809 0.4356	0.5135	0.5072	Ave		0.4906				6.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.3712	0.3168 0.3602	0.3030 0.3119	0.3607	0.3636	Ave		0.3410				8.5		30.0			
Methyl isobutyl ketone	+++++ 0.3364	+++++ 0.3223	0.3226 0.2706	0.3580	0.3429	Ave		0.3255				9.2		30.0			
Toluene	+++++ 0.5160	0.5409 0.4921	0.5702 0.4148	0.5322	0.5160	Ave		0.5117				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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
n-Octane	+++++ 0.3361	0.3895 0.3138	0.3814 0.2533	0.3670	0.3435	Ave		0.3406				13.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.3734	0.2782 0.3646	0.2842 0.3200	0.3513	0.3635	Ave		0.3336				11.9		30.0			
1,1,2-Trichloroethane	+++++ 0.2629	0.2837 0.2519	0.2939 0.2120	0.2705	0.2651	Ave		0.2629				10.0		30.0			
Tetrachloroethene	0.6971 0.5594	0.5667 0.5443	0.5712 0.4807	0.5489	0.5442	Ave		0.5641				10.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3107	+++++ 0.3054	0.1191 0.2640	0.2927	0.3200	Ave		0.2687				28.2		30.0			
Dibromochloromethane	+++++ 0.6754	0.5584 0.6568	0.6087 0.5736	0.6513	0.6546	Ave		0.6255				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5221	0.4775 0.5093	0.4453 0.4435	0.5010	0.5131	Ave		0.4874				6.7		30.0			
Chlorobenzene	+++++ 0.7440	0.7175 0.7155	0.7166 0.6153	0.7306	0.7279	Ave		0.7096				6.0		30.0			
Ethylbenzene	+++++ 1.0882	1.0942 1.0417	1.1113 0.8703	1.1015	1.0838	Ave		1.0559				8.0		30.0			
n-Nonane	+++++ 0.4064	0.4533 0.3776	0.4748 0.3024	0.4376	0.4160	Ave		0.4097				13.9		30.0			
m-Xylene & p-Xylene	+++++ 0.4500	0.4450 0.4271	0.4533 0.3418	0.4610	0.4520	Ave		0.4329				9.6		30.0			
o-Xylene	+++++ 0.4595	0.4467 0.4420	0.4670 0.3694	0.4686	0.4585	Ave		0.4445				7.8		30.0			
Styrene	+++++ 0.6841	0.5363 0.6590	0.5149 0.5630	0.6462	0.6121	Ave		0.6022				10.8		30.0			
Bromoform	+++++ 0.7301	0.5148 0.7192	0.5218 0.6279	0.6655	0.6903	Ave		0.6385				13.9		30.0			
Cumene	+++++ 1.2588	1.2756 1.2048	1.3270 0.9860	1.2852	1.2589	Ave		1.2280				9.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6571	0.6608 0.6220	0.6750 0.4961	0.6902	0.6687	Ave		0.6386				10.4		30.0			
n-Propylbenzene	+++++ 1.3992	1.3143 1.3240	1.3453 1.0322	1.4256	1.4070	Ave		1.3211				10.2		30.0			
1,2,3-Trichloropropane	+++++ 0.4580	+++++ 0.4352	0.4667 0.3479	0.4739	0.4669	Ave		0.4414				10.8		30.0			
n-Decane	+++++ 0.4446	+++++ 0.3969	0.5707 0.2813	0.5249	0.4761	Ave		0.4491				22.7		30.0			
4-Ethyltoluene	+++++ 1.1343	1.0874 1.0357	1.1301 0.7443	1.2078	1.1805	Ave		1.0743				14.5		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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
2-Chlorotoluene	+++++ 0.9066	0.9710 0.8219	0.9834 0.6068	0.9824	0.9401	Ave		0.8875				15.4		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0736	1.0681 1.0175	1.0875 0.8239	1.0868	1.0656	Ave		1.0318				9.2		30.0			
Alpha Methyl Styrene	+++++ 0.5603	0.4032 0.5470	0.2678 0.4689	0.4626	0.3267	Ave		0.4338				25.1		30.0			
tert-Butylbenzene	+++++ 1.0512	1.1004 0.9965	1.1376 0.8096	1.0894	1.0564	Ave		1.0345				10.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0416	0.9802 0.9972	1.0033 0.8058	1.0591	1.0455	Ave		0.9904				8.7		30.0			
sec-Butylbenzene	+++++ 1.5067	1.5747 1.4189	1.6081 1.1163	1.5917	1.5304	Ave		1.4781				11.6		30.0			
4-Isopropyltoluene	+++++ 1.2956	1.2760 1.2249	1.3192 0.9447	1.3396	1.3076	Ave		1.2439				11.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7365	0.4868 0.7293	0.4605 0.6163	0.6507	0.7095	Ave		0.6271				18.1		30.0			
1,4-Dichlorobenzene	+++++ 0.6935	0.3956 0.7027	0.3693 0.6265	0.5776	0.6594	Ave		0.5750				24.0		30.0			
Benzyl chloride	+++++ 0.6602	0.3466 0.6883	0.3230 0.6398	0.5707	0.6568	Ave		0.5551				27.9		30.0			
n-Butylbenzene	+++++ 0.9810	0.8683 0.9191	0.9321 0.6875	1.0454	1.0183	Ave		0.9217				13.0		30.0			
n-Undecane	+++++ 0.4885	+++++ 0.4368	+++++ 0.3101	0.5860	0.5229	Ave		0.4689				22.2		30.0			
1,2-Dichlorobenzene	+++++ 0.7427	0.5628 0.7368	0.5428 0.6410	0.6807	0.7197	Ave		0.6609				12.4		30.0			
n-Dodecane	+++++ 0.4970	+++++ 0.4409	+++++ 0.2024	0.5506	0.5090	Ave		0.4400				31.5	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.4217	+++++ 0.4397	0.1618 0.3661	0.3294	0.3949	Ave		0.3523				28.7		30.0			
Hexachlorobutadiene	+++++ 0.6963	0.7044 0.6874	0.6980 0.4836	0.7183	0.6992	Ave		0.6696				12.3		30.0			
Naphthalene	+++++ 1.0023	+++++ 1.0042	0.5801 0.7746	0.9479	0.9750	Ave		0.8807				19.3		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4872	0.2992 0.4848	0.3253 0.3104	0.4569	0.4783	Ave		0.4060				22.0		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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55724/3	gie003.d
Level 2	IC 200-55724/4	gie004.d
Level 3	IC 200-55724/5	gie005.d
Level 4	IC 200-55724/6	gie006.d
Level 5	ICIS 200-55724/7	gie007.d
Level 6	IC 200-55724/8	gie008.d
Level 7	IC 200-55724/9	gie009.d
Level 8	IC 200-55724/10	gie010.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
Propylene	BCM	Ave	+++++ 202945	+++++ 256266	8648 456386	69287	135000	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1537039	+++++ 1971717	53951 3440117	531385	1019426	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 628062	+++++ 811496	21706 1438472	215312	417745	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1448221	20326 1852037	51295 3197250	506416	965610	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 308068	+++++ 396773	11104 704189	104976	203578	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 432694	+++++ 554545	17871 973196	145616	280604	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1305 402248	5556 515694	13003 926278	136493	260537	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 255776	3719 330924	9394 589846	88637	170529	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 535497	7295 692117	18300 1227996	184124	357460	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 162516	+++++ 208553	5514 379474	54007	106813	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 293930	4396 376754	12241 675149	99648	196444	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 636331	9039 822792	20975 1460177	213597	416297	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1865583	25364 2395540	64069 4279326	640540	1227745	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 520543	+++++ 663036	20625 1167474	178699	339291	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 144364	+++++ 296100	42809 668385	77653	112661	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Ethyl ether	BCM	Ave	+++++ 261545	3568 335322	8355 596625	86461	169472	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 107309	+++++ 158051	+++++ 292840	49460	90360	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1177657	17138 1504652	41734 2617150	404947	773531	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 490278	7495 629797	17264 1111606	168653	322228	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 529183	+++++ 686204	+++++ 1231798	300701	436044	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1453332	+++++ 1881203	49238 3350693	497511	973265	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 405411	+++++ 488983	+++++ 898931	134737	272143	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 361867	5654 472286	12649 841473	122660	240891	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 222154	+++++ 285432	+++++ 509898	80490	148585	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 412322	+++++ 533066	16607 951881	143160	271417	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 727427	+++++ 868636	+++++ 1635992	258424	495255	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1307845	17253 1687929	42940 2995863	442579	855293	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 640216	9269 827761	21975 1447283	221289	426181	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 256532	+++++ 331046	8344 607224	85780	170094	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 553258	7769 703822	20361 1252406	186489	365675	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3446 920630	12444 1193803	30905 2149813	312180	606743	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 964397	+++++ 1241189	+++++ 2241699	322341	628271	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 775159	10663 992994	25718 1773301	263046	510599	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 270335	+++++ 352872	17920 627691	99678	188110	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 45762	+++++ 58771	+++++ 101682	15576	30619	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 472057	+++++ 610095	+++++ 1085323	162351	313186	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Chloroform	BCM	Ave	+++++ 1811173	24258 2318750	61106 4116720	617771	1193962	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 965387	13437 1232361	34413 2154474	333242	640115	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2137064	29718 2757820	72551 4898031	718343	1397857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	8413 2720528	33869 3539998	86924 6375164	889010	1769771	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3217575	46730 4096205	116903 7013600	1136889	2162590	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2563627	39397 3263893	91419 5626806	903049	1725233	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1307404	17906 1700319	41567 3067983	430895	856580	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1124950	16901 1424715	43768 2463713	392816	747142	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 361038	+++++ 460286	+++++ 915370	76136	229110	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	5446 1697845	22504 2189175	51958 3877351	543765	1095532	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 1234080	15682 1589657	38928 2806031	407291	805397	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 1158275	+++++ 1500597	33506 2656205	372204	739196	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 500059	+++++ 626119	+++++ 1098005	162367	353804	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 2000720	23366 2622347	52934 4895298	600164	1258739	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 2908629	34027 3792213	84866 6813885	921763	1856119	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2071349	22807 2714524	53479 4878657	647497	1330569	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1876911	+++++ 2429032	56938 4233237	642704	1254681	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 2736482	33743 3546972	85381 6236553	890785	1784113	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1875319	28044 2364998	67309 3962281	658822	1257001	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2083338	20033 2747968	50153 5005180	630591	1330176	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1394192	17696 1815555	44014 3188222	452728	916459	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Tetrachloroethene	CBZ	Ave	8630 2966707	35351 3923321	85534 7228014	918709	1881634	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1647717	+++++ 2201460	17841 3969784	489827	1106499	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 3582274	34829 4733805	91153 8624810	1090049	2263148	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 2768853	29783 3670661	66689 6669252	838577	1773936	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 3945734	44754 5157218	107312 9251478	1222799	2516566	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 5771428	68254 7508092	166421 13086651	1843544	3747370	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 2155380	28276 2721849	71105 4547424	732421	1438324	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 4773833	55512 6156140	135774 10278157	1543117	3125450	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 2437331	27864 3185750	69939 5554107	784247	1585097	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 3628153	33451 4749576	77105 8465265	1081569	2116145	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 3872045	32112 5183474	78145 9441266	1113831	2386786	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 6676329	79570 8683839	198721 14825918	2151061	4352523	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3485271	41219 4483273	101082 7459449	1155157	2311876	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 7421110	81982 9542751	201463 15520244	2386024	4864496	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2429379	+++++ 3136768	69887 5231111	793107	1614354	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 2358044	+++++ 2860471	85470 4229539	878525	1646001	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 6016019	67833 7464877	169237 11191444	2021490	4081554	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 4808588	60568 5924051	147258 9124700	1644228	3250507	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 5694260	66623 7333680	162849 12387856	1818963	3684153	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 2971869	25153 3942532	40096 7050144	774295	1129426	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 5575377	68644 7182654	170353 12172816	1823408	3652429	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 5524348	61143 7187742	150241 12116052	1772564	3614818	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 7991374	98228 10226533	240810 16784733	2664060	5291261	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 6871612	79595 8828574	197554 14205142	2242011	4520826	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3906074	30363 5256425	68958 9267559	1089080	2453230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3678171	24677 5064744	55308 9420431	966762	2279921	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 3501463	21619 4961009	48371 9620527	955200	2270880	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 5203159	54160 6624510	139579 10338126	1749631	3520840	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 2590839	+++++ 3147957	+++++ 4662998	980861	1807992	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3939346	35107 5310263	81281 9638310	1139337	2488268	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 2635844	+++++ 3177956	+++++ 3043492	921469	1759701	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2236740	+++++ 3168861	24236 5505447	551370	1365217	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 3692763	43940 4954499	104528 7271392	1202277	2417444	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 5315989	+++++ 7237908	86871 11647365	1586495	3371066	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2584080	18661 3493898	48718 4666815	764727	1653731	+++++ 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/G.i/Gsvr.p/gieto15.b/gie003.d
Lab Smp Id: ic 491727
Inj Date : 17-MAY-2013 11:22
Operator : pad Inst ID: G.i
Smp Info : ic 491727
Misc Info : 40,1, level 8
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 11:22 Cal File: gie003.d
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	3.862	3.862	(0.357)	1305	0.04000	0.048(aM)
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

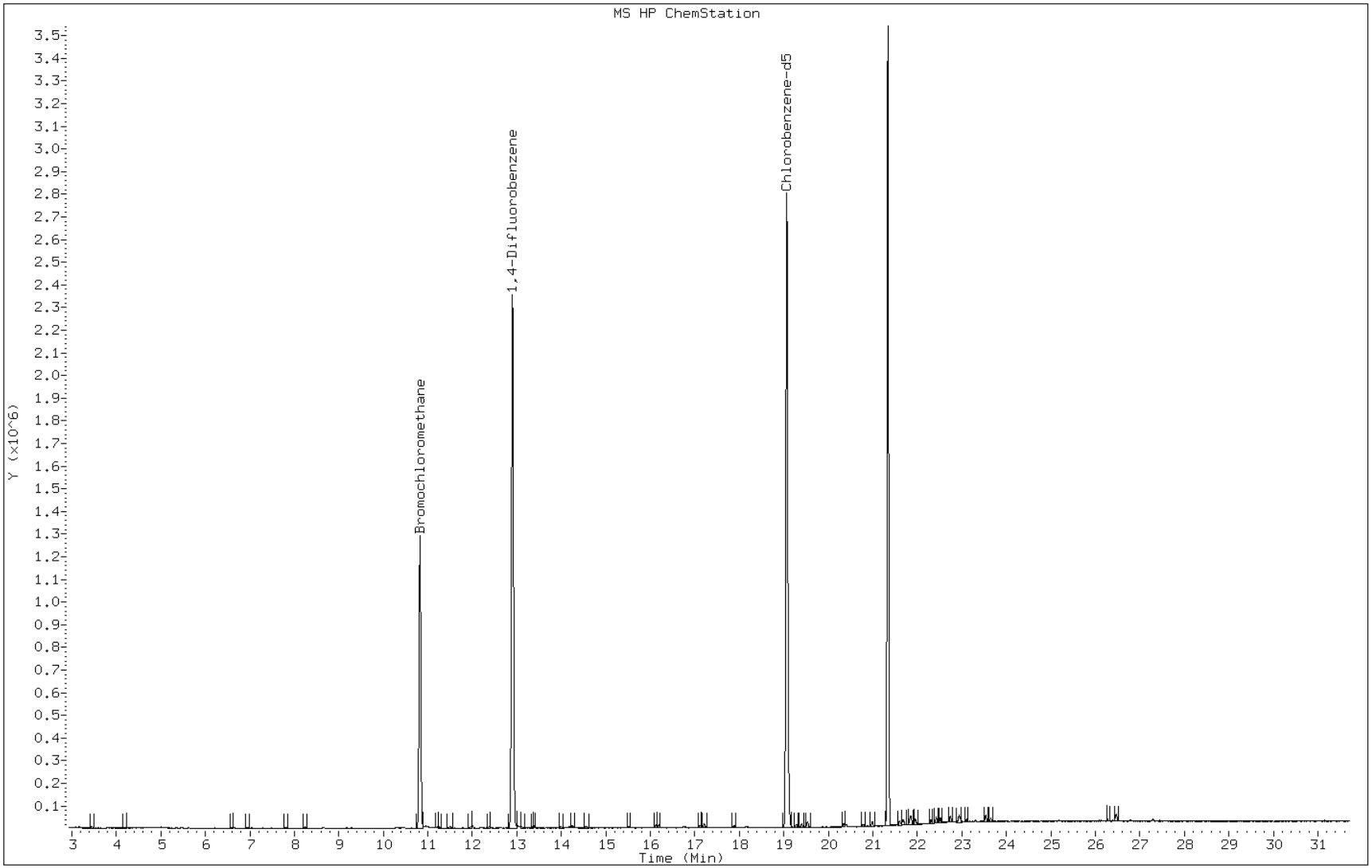
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	Compound Not Detected.					
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	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.					
24	Acetonitrile	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.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	9.174	9.174	(0.848)	3446	0.04000	0.054(aM)
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	631600	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	11.502	11.507	(0.891)	8413	0.04000	0.048(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	12.903	12.909	(1.000)	3607968	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	13.385	13.385	(1.037)	5446	0.04000	0.050(a)
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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.					
57	n-Octane	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	17.215	17.215	(0.903)	8630	0.04000	0.049(aQ)
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.061	19.066	(1.000)	3094896	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

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:	gie003.d	Date:	17-MAY-2013 11:22
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491727		
Lab Sample ID:	ic 491727		



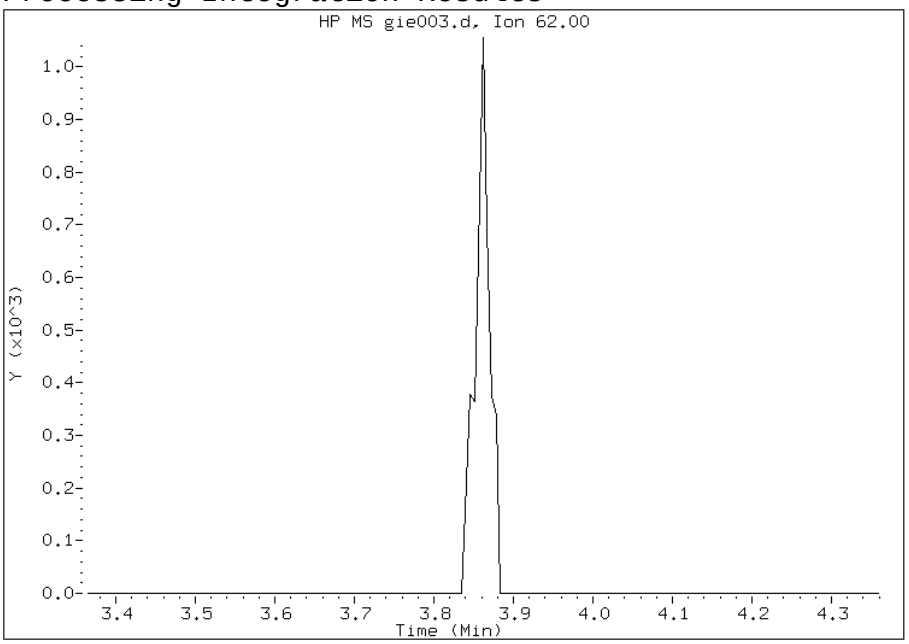
Manual Integration Report

Data File: gie003.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 11:22
Instrument ID: G.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 3.86



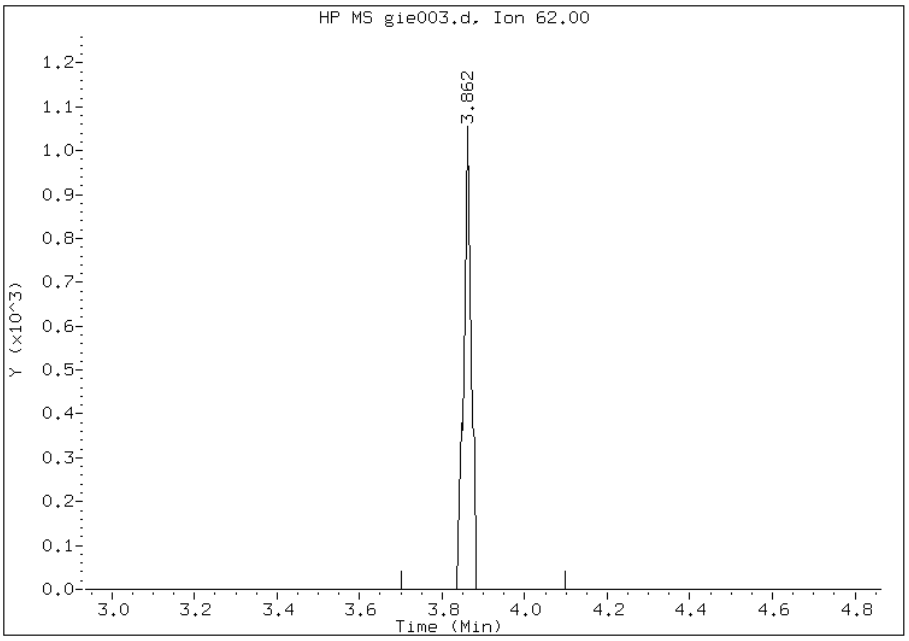
Manual Integration Results

RT: 3.86

Response: 1305

Amount: 0.047901

Conc: 0.047901



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

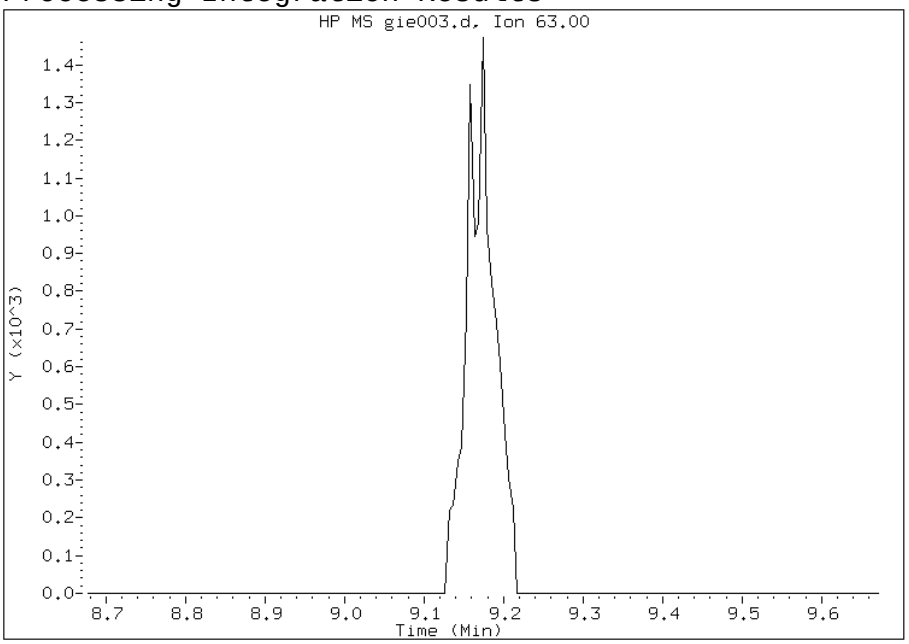
Manual Integration Report

Data File: gie003.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 11:22
Instrument ID: G.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 9.17



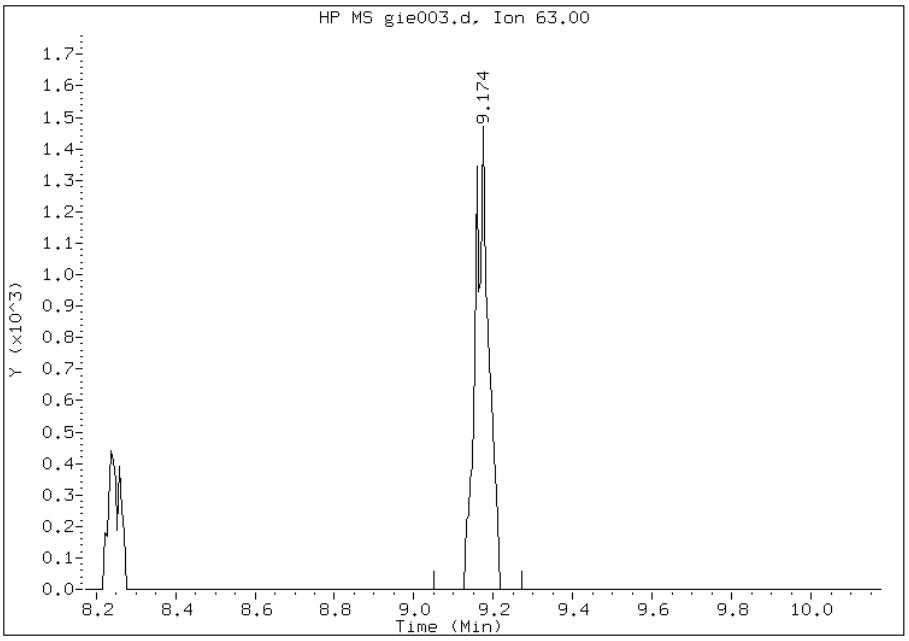
Manual Integration Results

RT: 9.17

Response: 3446

Amount: 0.053655

Conc: 0.053655



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie004.d
Lab Smp Id: ic 491727
Inj Date : 17-MAY-2013 12:12
Operator : pad Inst ID: G.i
Smp Info : ic 491727
Misc Info : 200,1, level 1
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 12:12 Cal File: gie004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)	ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	3311	0.20000	0.23(a)
2	Dichlorodifluoromethane	85	3.156	3.156	(0.292)	22051	0.20000	0.21(a)
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.450	3.445	(0.319)	20326	0.20000	0.21
5	Chloromethane	50	3.595	3.595	(0.332)	4768	0.20000	0.23(a)
6	Butane	43	Compound Not Detected.					
7	Vinyl chloride	62	3.862	3.862	(0.357)	5556	0.20000	0.20
8	1,3-Butadiene	54	3.942	3.948	(0.364)	3719	0.20000	0.21
9	Bromomethane	94	4.675	4.681	(0.432)	7295	0.20000	0.20
10	Chloroethane	64	4.943	4.943	(0.457)	2241	0.20000	0.20(aQ)
11	2-Methylbutane	43	5.023	5.018	(0.464)	4396	0.20000	0.21
12	Vinyl bromide	106	5.355	5.355	(0.495)	9039	0.20000	0.21
13	Trichlorofluoromethane	101	5.462	5.467	(0.505)	25364	0.20000	0.20
14	Pentane	43	5.612	5.622	(0.519)	8280	0.20000	0.23(aM)
15	Ethanol	45	Compound Not Detected.					

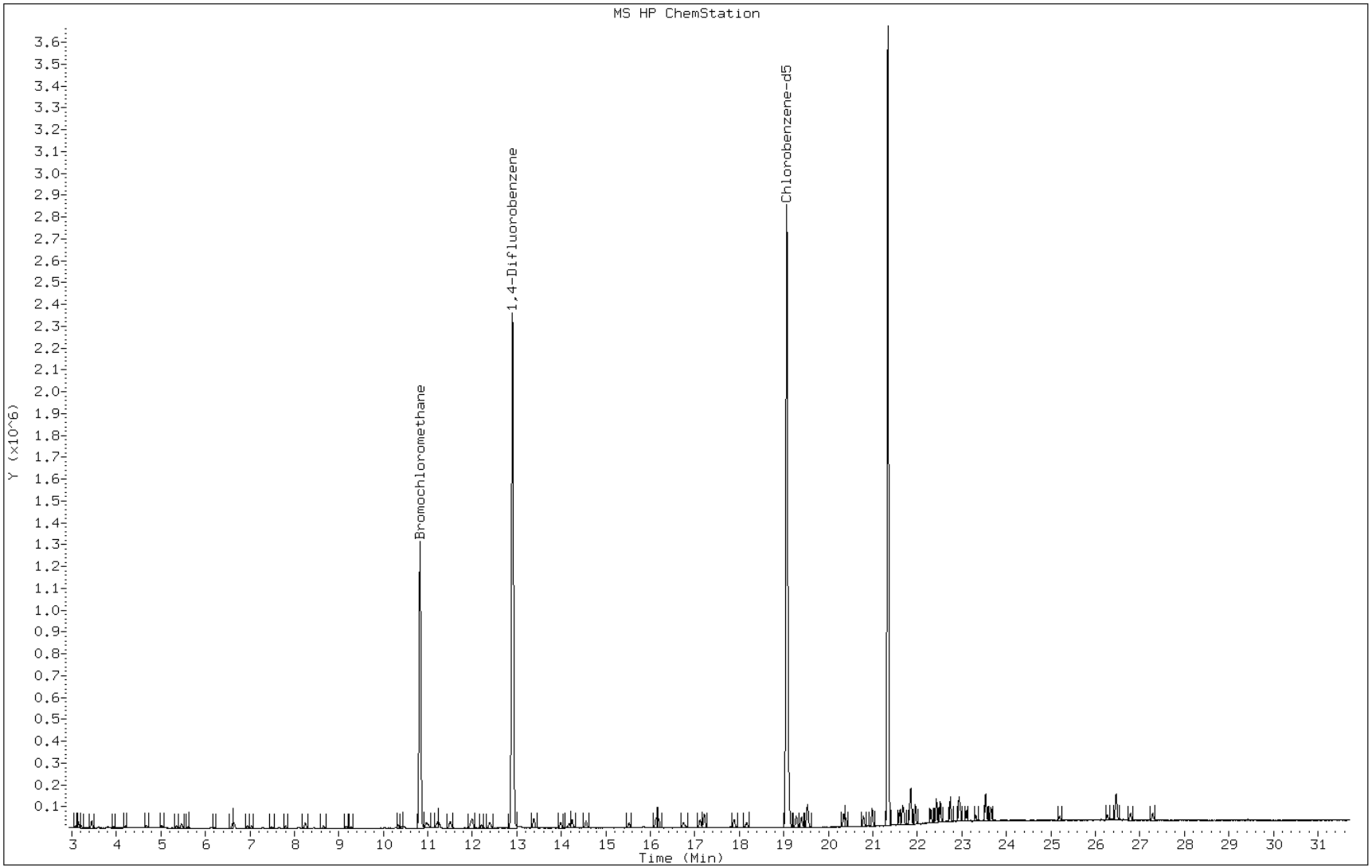
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
16	Ethyl ether	59	6.200	6.184	(0.573)	3568	0.20000	0.20
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	17138	0.20000	0.21
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	6.655	6.655	(0.615)	7495	0.20000	0.22
20	Acetone	43	6.944	6.928	(0.642)	21029	0.20000	0.50(a)
21	Carbon disulfide	76	7.040	7.040	(0.650)	19783	0.20000	0.20(a)
22	Isopropanol	45	7.281	7.254	(0.673)	5451	0.20000	0.20(a)
23	Allyl chloride	41	7.489	7.495	(0.692)	5654	0.20000	0.22(a)
24	Acetonitrile	41	7.650	7.655	(0.707)	3895	0.20000	0.26(a)
25	Methylene chloride	49	7.794	7.800	(0.720)	7373	0.20000	0.25(a)
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	8.238	8.228	(0.761)	17253	0.20000	0.20
28	1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	9269	0.20000	0.21
29	Acrylonitrile	53	8.442	8.442	(0.780)	3587	0.20000	0.21(a)
30	n-Hexane	57	8.656	8.656	(0.800)	7769	0.20000	0.20
31	1,1-Dichloroethane	63	9.169	9.174	(0.847)	12444	0.20000	0.19(a)
32	Vinyl acetate	43	9.276	9.271	(0.857)	13007	0.20000	0.20(a)
M 33	1,2-Dichloroethene,Total	61				19932	0.40000	0.41
34	1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	10663	0.20000	0.20
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	4859	0.20000	0.22(aQ)
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	644404	10.0000	
38	Tetrahydrofuran	42	10.860	10.833	(0.842)	6569	0.20000	0.22(a)
39	Chloroform	83	10.967	10.972	(1.013)	24258	0.20000	0.20
40	Cyclohexane	84	11.202	11.207	(0.868)	13437	0.20000	0.21
41	1,1,1-Trichloroethane	97	11.245	11.250	(0.871)	29718	0.20000	0.22
42	Carbon tetrachloride	117	11.507	11.507	(0.892)	33869	0.20000	0.19(a)
43	2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	46730	0.20000	0.22
44	Benzene	78	11.999	12.004	(0.930)	39397	0.20000	0.23
45	1,2-Dichloroethane	62	12.202	12.208	(0.946)	17906	0.20000	0.22
46	n-Heptane	43	12.395	12.390	(0.961)	16901	0.20000	0.23
* 47	1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3600147	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	13.390	13.385	(1.038)	22504	0.20000	0.21
50	1,2-Dichloropropane	63	13.989	13.989	(1.084)	15682	0.20000	0.20
51	Methyl methacrylate	69	14.176	14.171	(1.099)	13629	0.20000	0.19(a)
52	Dibromomethane	174	14.241	14.251	(1.104)	23366	0.20000	0.20
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	14.562	14.556	(1.129)	34027	0.20000	0.19(a)
55	1,3-Dichloropropene (cis)	75	15.530	15.525	(1.204)	22807	0.20000	0.19(a)
56	Methyl isobutyl ketone	43	15.856	15.835	(1.229)	6880	0.20000	0.059(a)
57	n-Octane	43	16.183	16.183	(1.254)	28044	0.20000	0.23(a)
58	Toluene	92	16.124	16.124	(0.846)	33743	0.20000	0.21
59	1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	20033	0.20000	0.17(a)
60	1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	17696	0.20000	0.22
61	Tetrachloroethene	166	17.215	17.215	(0.903)	35351	0.20000	0.20
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
63	Dibromochloromethane	129	17.884	17.889	(0.938)	34829	0.20000	0.18(a)
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	29783	0.20000	0.20
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3118906	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	44754	0.20000	0.20
67	n-Nonane	57	19.403	19.403	(1.018)	28276	0.20000	0.22
68	Ethylbenzene	91	19.280	19.280	(1.011)	68254	0.20000	0.21
69	Xylene (m,p)	106	19.526	19.532	(1.024)	55512	0.40000	0.41
M 70	Xylenes, Total	106				83376	0.20000	0.61
71	Xylene (o)	106	20.350	20.345	(1.067)	27864	0.20000	0.20
72	Styrene	104	20.393	20.393	(1.070)	33451	0.20000	0.18(a)
73	Bromoform	173	20.789	20.789	(1.090)	32112	0.20000	0.16(a)
74	Isopropylbenzene	105	20.987	20.987	(1.101)	79570	0.20000	0.21
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	41219	0.20000	0.21
76	n-Propylbenzene	91	21.671	21.671	(1.137)	81982	0.20000	0.20
77	1,2,3-Trichloropropane	75	21.693	21.698	(1.138)	30214	0.20000	0.22(a)
78	n-Decane	57	21.826	21.832	(1.145)	34377	0.20000	0.25(a)
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	67833	0.20000	0.20
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	60568	0.20000	0.22
81	1,3,5-Trimethylbenzene	105	21.950	21.955	(1.151)	66623	0.20000	0.21
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	25153	0.20000	0.19(a)
83	tert-butylbenzene	119	22.426	22.431	(1.176)	68644	0.20000	0.21
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	61143	0.20000	0.20
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	98228	0.20000	0.21
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	79595	0.20000	0.21
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	30363	0.20000	0.16(a)
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	24677	0.20000	0.14(a)
89	Benzyl chloride	91	23.308	23.314	(1.222)	21619	0.20000	0.12(a)
90	Undecane	57	23.544	23.544	(1.235)	34124	0.20000	0.23(a)
91	n-Butylbenzene	91	23.528	23.528	(1.234)	54160	0.20000	0.19(a)
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	35107	0.20000	0.17(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	26.267	26.272	(1.378)	12948	0.20000	0.12(a)
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	43940	0.20000	0.21
96	Naphthalene	128	26.796	26.796	(1.405)	37531	0.20000	0.14(a)
97	1,2,3-Trichlorobenzene	180	27.294	27.289	(1.432)	18661	0.20000	0.15(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:	gie004.d	Date:	17-MAY-2013 12:12
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491727		
Lab Sample ID:	ic 491727		



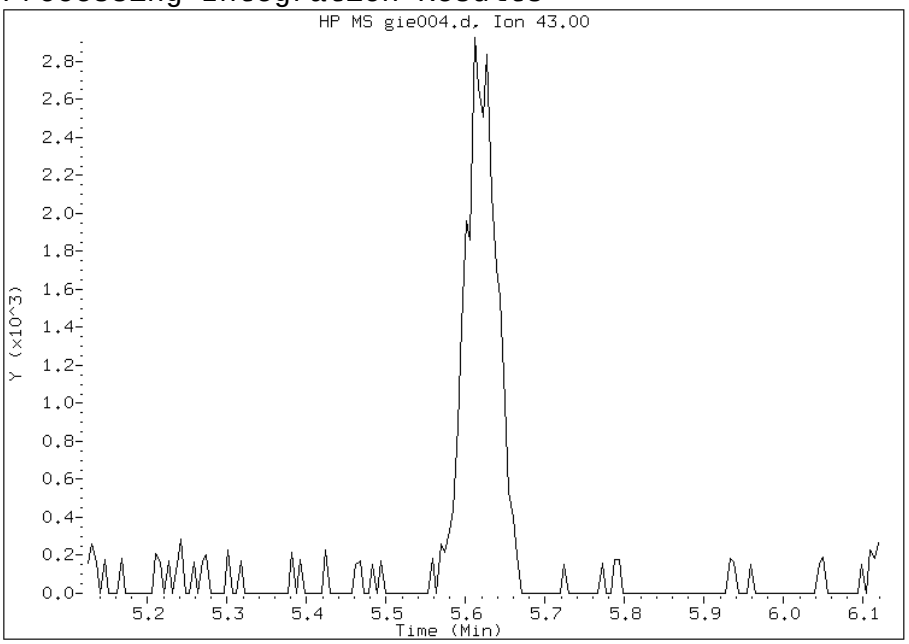
Manual Integration Report

Data File: gie004.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 12:12
Instrument ID: G.i
Client ID:
Compound: 14 Pentane
CAS #: 109-66-0
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 5.62



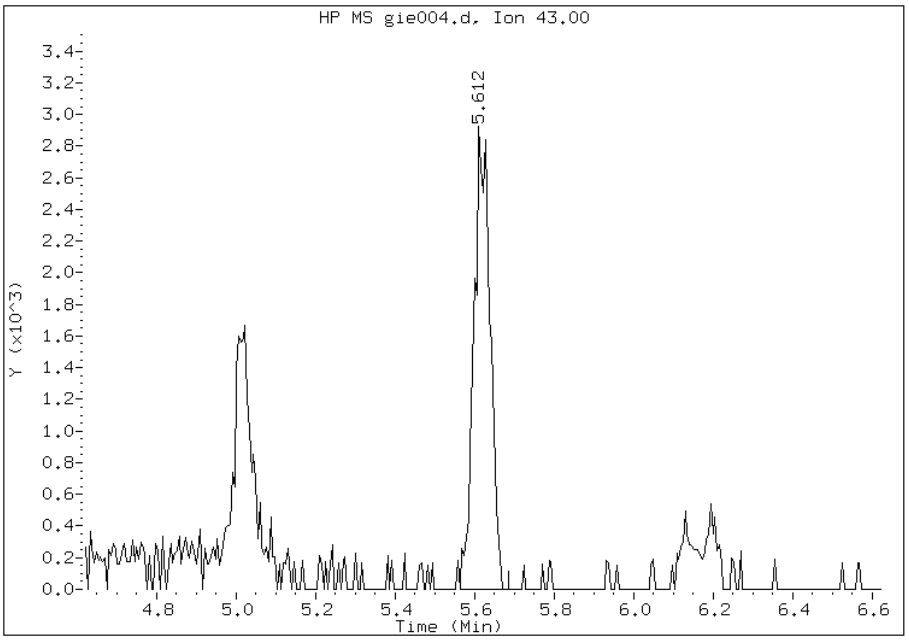
Manual Integration Results

RT: 5.61

Response: 8280

Amount: 0.229666

Conc: 0.229666



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie005.d
Lab Smp Id: ic 491513
Inj Date : 17-MAY-2013 13:02
Operator : pad Inst ID: G.i
Smp Info : ic 491513
Misc Info : 200,1, level 2
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 13:02 Cal File: gie005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	3.081	3.081	(0.285)	8648	0.50000	0.63(a)
2 Dichlorodifluoromethane	85	3.156	3.156	(0.292)	53951	0.50000	0.54
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	21706	0.50000	0.53
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	51295	0.50000	0.54
5 Chloromethane	50	3.595	3.595	(0.332)	11104	0.50000	0.55
6 Butane	43	3.814	3.814	(0.352)	17871	0.50000	0.62
7 Vinyl chloride	62	3.862	3.862	(0.357)	13003	0.50000	0.49
8 1,3-Butadiene	54	3.948	3.948	(0.365)	9394	0.50000	0.55
9 Bromomethane	94	4.681	4.681	(0.432)	18300	0.50000	0.53
10 Chloroethane	64	4.932	4.943	(0.456)	5514	0.50000	0.53
11 2-Methylbutane	43	5.018	5.018	(0.464)	12241	0.50000	0.62
12 Vinyl bromide	106	5.360	5.355	(0.495)	20975	0.50000	0.51
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	64069	0.50000	0.53
14 Pentane	43	5.622	5.622	(0.520)	20625	0.50000	0.60

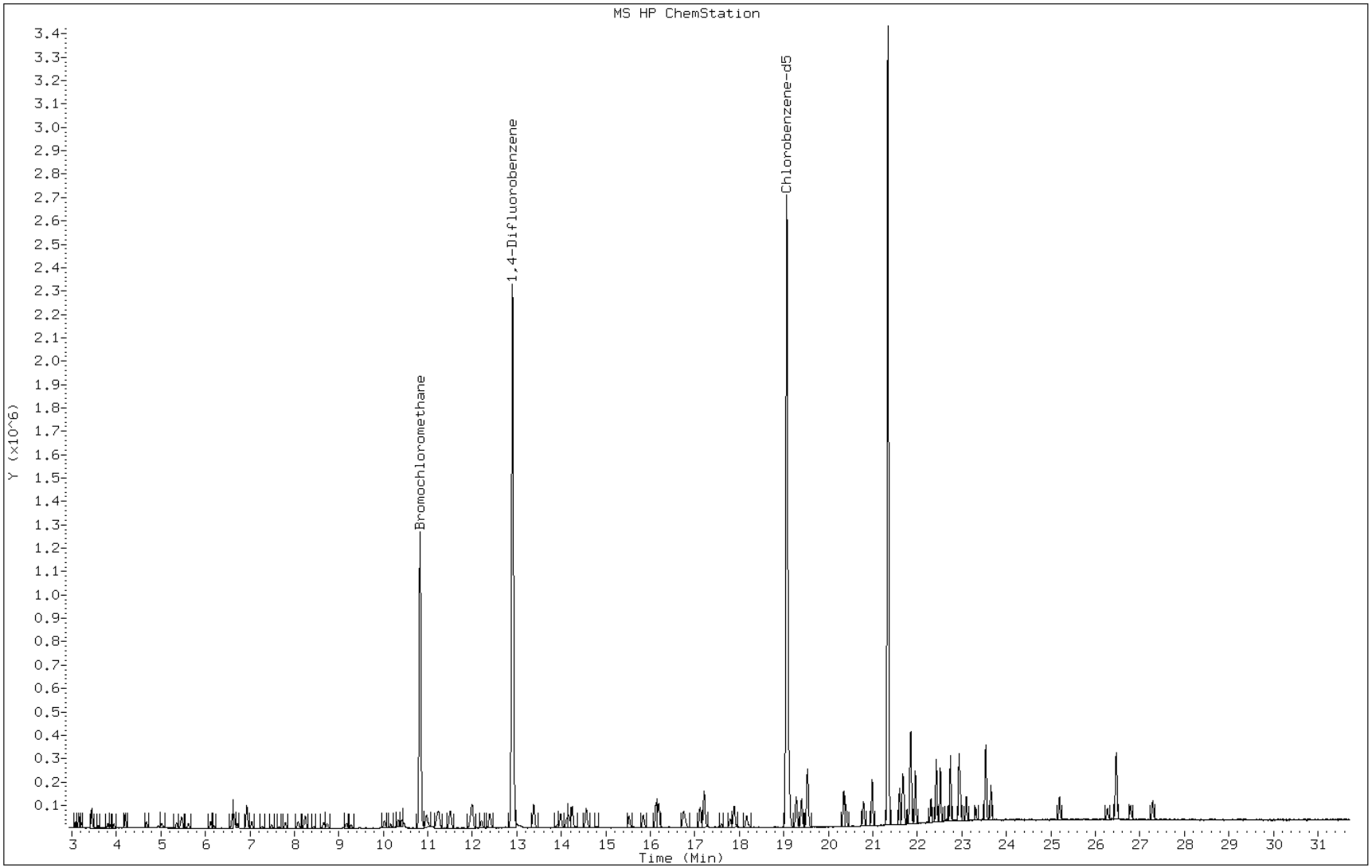
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	6.120	6.120	(0.565)	42809	5.00000	5.7
16	Ethyl ether	59	6.184	6.184	(0.571)	8355	0.50000	0.50
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	41734	0.50000	0.54
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	6.655	6.655	(0.615)	17264	0.50000	0.53
20	Acetone	43	6.933	6.928	(0.641)	158437	0.50000	3.9(a)
21	Carbon disulfide	76	7.040	7.040	(0.650)	49238	0.50000	0.52
22	Isopropanol	45	7.275	7.254	(0.672)	16444	0.50000	0.65(a)
23	Allyl chloride	41	7.484	7.495	(0.692)	12649	0.50000	0.53
24	Acetonitrile	41	7.655	7.655	(0.707)	8276	0.50000	0.57(a)
25	Methylene chloride	49	7.794	7.800	(0.720)	16607	0.50000	0.60
26	Tert-butyl alcohol	59	8.083	8.062	(0.747)	55454	0.50000	1.2(a)
27	Methyl tert-butyl ether	73	8.238	8.228	(0.761)	42940	0.50000	0.51
28	1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	21975	0.50000	0.52
29	Acrylonitrile	53	8.431	8.442	(0.779)	8344	0.50000	0.51
30	n-Hexane	57	8.656	8.656	(0.800)	20361	0.50000	0.56
31	1,1-Dichloroethane	63	9.174	9.174	(0.848)	30905	0.50000	0.49
32	Vinyl acetate	43	9.271	9.271	(0.857)	30848	0.50000	0.50(a)
M 33	1,2-Dichloroethene,Total	61				47693	1.00000	1.0
34	1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	25718	0.50000	0.52
35	Ethyl acetate	88	10.469	10.464	(0.967)	1561	0.50000	0.54(a)
36	Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	17920	0.50000	0.86(Q)
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	614289	10.0000	
38	Tetrahydrofuran	42	10.854	10.833	(0.841)	17156	0.50000	0.59(a)
39	Chloroform	83	10.967	10.972	(1.013)	61106	0.50000	0.53
40	Cyclohexane	84	11.218	11.207	(0.869)	34413	0.50000	0.56
41	1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	72551	0.50000	0.54
42	Carbon tetrachloride	117	11.496	11.507	(0.891)	86924	0.50000	0.51
43	2,2,4-Trimethylpentane	57	11.972	11.978	(0.928)	116903	0.50000	0.56
44	Benzene	78	12.004	12.004	(0.930)	91419	0.50000	0.55
45	1,2-Dichloroethane	62	12.202	12.208	(0.946)	41567	0.50000	0.51
46	n-Heptane	43	12.395	12.390	(0.961)	43768	0.50000	0.60
* 47	1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3529682	10.0000	
48	n-Butanol	56	13.358	13.342	(1.035)	7345	0.50000	0.36(a)
49	Trichloroethene	95	13.379	13.385	(1.037)	51958	0.50000	0.48
50	1,2-Dichloropropane	63	13.984	13.989	(1.084)	38928	0.50000	0.52
51	Methyl methacrylate	69	14.171	14.171	(1.098)	33506	0.50000	0.48(aQ)
52	Dibromomethane	174	14.246	14.251	(1.104)	52934	0.50000	0.45
53	1,4-Dioxane	88	14.235	14.225	(1.103)	9065	0.50000	0.30(a)
54	Bromodichloromethane	83	14.562	14.556	(1.129)	84866	0.50000	0.49
55	1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	53479	0.50000	0.44
56	Methyl isobutyl ketone	43	15.840	15.835	(1.228)	56938	0.50000	0.50
57	n-Octane	43	16.177	16.183	(1.254)	67309	0.50000	0.56
58	Toluene	92	16.124	16.124	(0.846)	85381	0.50000	0.56
59	1,3-Dichloropropene (trans)	75	16.744	16.739	(1.298)	50153	0.50000	0.43
60	1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	44014	0.50000	0.56
61	Tetrachloroethene	166	17.210	17.215	(0.903)	85534	0.50000	0.51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.590	17.584	(0.923)	17841	0.50000	0.22(aM)
63	Dibromochloromethane	129	17.889	17.889	(0.938)	91153	0.50000	0.49
64	1,2-Dibromoethane	107	18.157	18.162	(0.952)	66689	0.50000	0.46
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	2995021	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	107312	0.50000	0.50
67	n-Nonane	57	19.398	19.403	(1.017)	71105	0.50000	0.58
68	Ethylbenzene	91	19.275	19.280	(1.011)	166421	0.50000	0.53
69	Xylene (m,p)	106	19.531	19.532	(1.024)	135774	1.00000	1.0
M 70	Xylenes, Total	106				205713	0.50000	1.6
71	Xylene (o)	106	20.345	20.345	(1.067)	69939	0.50000	0.53
72	Styrene	104	20.393	20.393	(1.070)	77105	0.50000	0.43
73	Bromoform	173	20.789	20.789	(1.090)	78145	0.50000	0.41
74	Isopropylbenzene	105	20.987	20.987	(1.101)	198721	0.50000	0.54
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	101082	0.50000	0.53
76	n-Propylbenzene	91	21.671	21.671	(1.137)	201463	0.50000	0.51
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	69887	0.50000	0.53
78	n-Decane	57	21.832	21.832	(1.145)	85470	0.50000	0.64
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	169237	0.50000	0.53
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	147258	0.50000	0.55
81	1,3,5-Trimethylbenzene	105	21.950	21.955	(1.151)	162849	0.50000	0.53
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	40096	0.50000	0.31
83	tert-butylbenzene	119	22.426	22.431	(1.176)	170353	0.50000	0.55
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	150241	0.50000	0.51
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	240810	0.50000	0.54
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	197554	0.50000	0.53
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	68958	0.50000	0.37
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	55308	0.50000	0.32
89	Benzyl chloride	91	23.314	23.314	(1.223)	48371	0.50000	0.29
90	Undecane	57	23.544	23.544	(1.235)	89240	0.50000	0.64(a)
91	n-Butylbenzene	91	23.528	23.528	(1.234)	139579	0.50000	0.51
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	81281	0.50000	0.41
93	Dodecane	57	25.197	25.197	(1.322)	49884	0.50000	0.38(a)
94	1,2,4-Trichlorobenzene	180	26.277	26.272	(1.378)	24236	0.50000	0.23(a)
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	104528	0.50000	0.52
96	Naphthalene	128	26.791	26.796	(1.405)	86871	0.50000	0.33(a)
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	48718	0.50000	0.40

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:	gie005.d	Date:	17-MAY-2013 13:02
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491513		
Lab Sample ID:	ic 491513		



Manual Integration Report

Data File: gie005.d
Lab Sample ID: ic 491513
Inj. Date and Time: 17-MAY-2013 13:02
Instrument ID: G.i
Client ID:
Compound: 62 2-Hexanone
CAS #: 591-78-6
Report Date: 05/20/2013

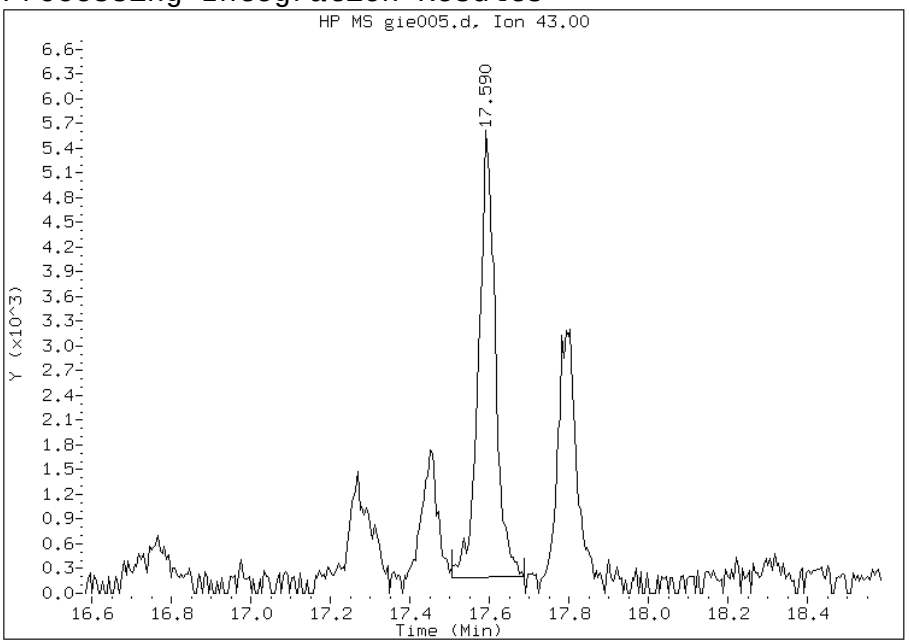
Processing Integration Results

RT: 17.59

Response: 15805

Amount: 0.248009

Conc: 0.248009



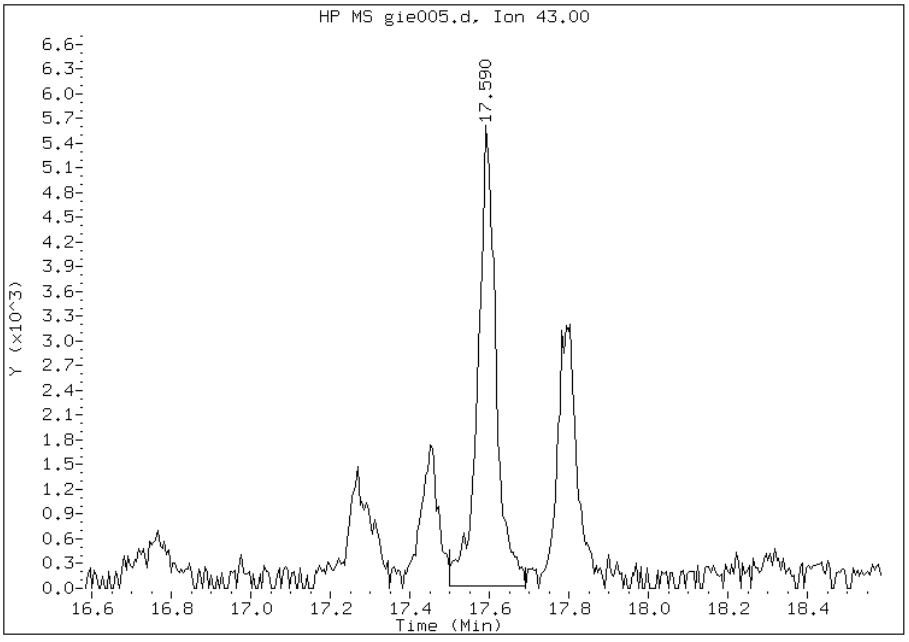
Manual Integration Results

RT: 17.59

Response: 17841

Amount: 0.221727

Conc: 0.221727



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie006.d
Lab Smp Id: ic 491510
Inj Date : 17-MAY-2013 13:52
Operator : pad Inst ID: G.i
Smp Info : ic 491510
Misc Info : 200,1, level 3
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 13:52 Cal File: gie006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	3.087	3.081	(0.285)	69287	5.00000	4.9(a)
2 Dichlorodifluoromethane	85	3.161	3.156	(0.292)	531385	5.00000	5.2
3 Chlorodifluoromethane	51	3.220	3.215	(0.297)	215312	5.00000	5.1
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	506416	5.00000	5.2
5 Chloromethane	50	3.595	3.595	(0.332)	104976	5.00000	5.1
6 Butane	43	3.814	3.814	(0.352)	145616	5.00000	4.9
7 Vinyl chloride	62	3.862	3.862	(0.357)	136493	5.00000	5.0
8 1,3-Butadiene	54	3.948	3.948	(0.365)	88637	5.00000	5.1
9 Bromomethane	94	4.681	4.681	(0.432)	184124	5.00000	5.2
10 Chloroethane	64	4.943	4.943	(0.456)	54007	5.00000	5.0
11 2-Methylbutane	43	5.012	5.018	(0.463)	99648	5.00000	4.9
12 Vinyl bromide	106	5.355	5.355	(0.495)	213597	5.00000	5.1
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	640540	5.00000	5.2
14 Pentane	43	5.622	5.622	(0.519)	178699	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	77653	10.0000	10
	16 Ethyl ether	59	6.189	6.184	(0.572)	86461	5.00000	5.1
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	404947	5.00000	5.1
	18 Acrolein	56	6.596	6.596	(0.609)	49460	5.00000	5.9
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	168653	5.00000	5.1
	20 Acetone	43	6.928	6.928	(0.640)	300701	5.00000	7.2
	21 Carbon disulfide	76	7.045	7.040	(0.651)	497511	5.00000	5.1
	22 Isopropanol	45	7.259	7.254	(0.670)	134737	5.00000	5.2
	23 Allyl chloride	41	7.495	7.495	(0.692)	122660	5.00000	5.0
	24 Acetonitrile	41	7.655	7.655	(0.707)	80490	5.00000	5.4
	25 Methylene chloride	49	7.805	7.800	(0.721)	143160	5.00000	5.0
	26 Tert-butyl alcohol	59	8.067	8.062	(0.745)	258424	5.00000	5.4
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	442579	5.00000	5.2
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	221289	5.00000	5.1
	29 Acrylonitrile	53	8.436	8.442	(0.779)	85780	5.00000	5.1
	30 n-Hexane	57	8.661	8.656	(0.800)	186489	5.00000	5.0
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	312180	5.00000	4.9
	32 Vinyl acetate	43	9.276	9.271	(0.857)	322341	5.00000	5.1
M	33 1,2-Dichloroethene,Total	61				484335	10.0000	10
	34 1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	263046	5.00000	5.1
	35 Ethyl acetate	88	10.458	10.464	(0.966)	15576	5.00000	5.2
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	99678	5.00000	4.7
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	632078	10.0000	
	38 Tetrahydrofuran	42	10.833	10.833	(0.840)	162351	5.00000	5.5
	39 Chloroform	83	10.967	10.972	(1.013)	617771	5.00000	5.2
	40 Cyclohexane	84	11.207	11.207	(0.869)	333242	5.00000	5.3
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	718343	5.00000	5.2
	42 Carbon tetrachloride	117	11.507	11.507	(0.892)	889010	5.00000	5.1
	43 2,2,4-Trimethylpentane	57	11.972	11.978	(0.928)	1136889	5.00000	5.4
	44 Benzene	78	12.004	12.004	(0.930)	903049	5.00000	5.3
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	430895	5.00000	5.2
	46 n-Heptane	43	12.390	12.390	(0.960)	392816	5.00000	5.3
*	47 1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3590206	10.0000	
	48 n-Butanol	56	13.353	13.342	(1.035)	76136	5.00000	3.7(a)
	49 Trichloroethene	95	13.385	13.385	(1.037)	543765	5.00000	5.0
	50 1,2-Dichloropropane	63	13.984	13.989	(1.084)	407291	5.00000	5.3
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	372204	5.00000	5.3
	52 Dibromomethane	174	14.246	14.251	(1.104)	600164	5.00000	5.0
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	162367	5.00000	5.3
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	921763	5.00000	5.2
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	647497	5.00000	5.3
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	642704	5.00000	5.5
	57 n-Octane	43	16.183	16.183	(1.254)	658822	5.00000	5.4
	58 Toluene	92	16.124	16.124	(0.846)	890785	5.00000	5.2
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	630591	5.00000	5.3
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	452728	5.00000	5.1
	61 Tetrachloroethene	166	17.210	17.215	(0.903)	918709	5.00000	4.9

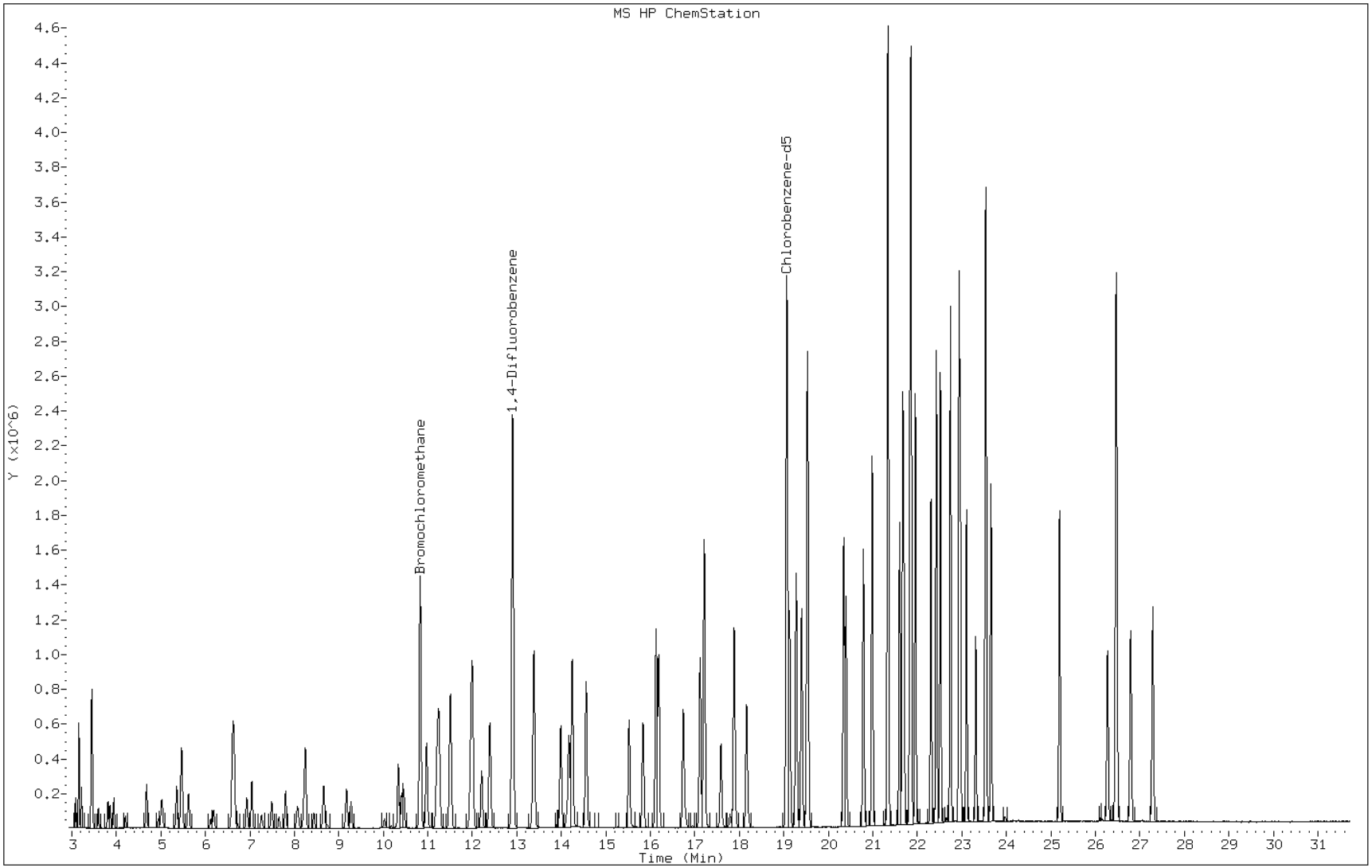
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	489827	5.00000	5.4
63	Dibromochloromethane	129	17.884	17.889	(0.938)	1090049	5.00000	5.2
64	1,2-Dibromoethane	107	18.162	18.162	(0.953)	838577	5.00000	5.1
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3347409	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	1222799	5.00000	5.1
67	n-Nonane	57	19.398	19.403	(1.017)	732421	5.00000	5.3
68	Ethylbenzene	91	19.280	19.280	(1.011)	1843544	5.00000	5.2
69	Xylene (m,p)	106	19.531	19.532	(1.024)	1543117	10.0000	11
M 70	Xylenes, Total	106				2327364	5.00000	16
71	Xylene (o)	106	20.345	20.345	(1.067)	784247	5.00000	5.3
72	Styrene	104	20.393	20.393	(1.070)	1081569	5.00000	5.4
73	Bromoform	173	20.789	20.789	(1.090)	1113831	5.00000	5.2
74	Isopropylbenzene	105	20.987	20.987	(1.101)	2151061	5.00000	5.2
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	1155157	5.00000	5.4
76	n-Propylbenzene	91	21.671	21.671	(1.137)	2386024	5.00000	5.4
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	793107	5.00000	5.4
78	n-Decane	57	21.832	21.832	(1.145)	878525	5.00000	5.8
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	2021490	5.00000	5.6
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	1644228	5.00000	5.5
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	1818963	5.00000	5.3
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	774295	5.00000	5.3
83	tert-butylbenzene	119	22.426	22.431	(1.176)	1823408	5.00000	5.3
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	1772564	5.00000	5.3
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	2664060	5.00000	5.4
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	2242011	5.00000	5.4
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	1089080	5.00000	5.2
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	966762	5.00000	5.0
89	Benzyl chloride	91	23.314	23.314	(1.223)	955200	5.00000	5.1
90	Undecane	57	23.544	23.544	(1.235)	980861	5.00000	6.2
91	n-Butylbenzene	91	23.528	23.528	(1.234)	1749631	5.00000	5.7
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	1139337	5.00000	5.1
93	Dodecane	57	25.197	25.197	(1.322)	921469	5.00000	6.3
94	1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	551370	5.00000	4.7
95	1,3-Hexachlorobutadiene	225	26.465	26.470	(1.388)	1202277	5.00000	5.4
96	Naphthalene	128	26.796	26.796	(1.405)	1586495	5.00000	5.4
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	764727	5.00000	5.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: gie006.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 491510
Lab Sample ID: ic 491510

Date: 17-MAY-2013 13:52
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie007.d
Lab Smp Id: icis 491496
Inj Date : 17-MAY-2013 14:42
Operator : pad Inst ID: G.i
Smp Info : icis 491496
Misc Info : 200,1, level 4
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 14:42 Cal File: gie007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

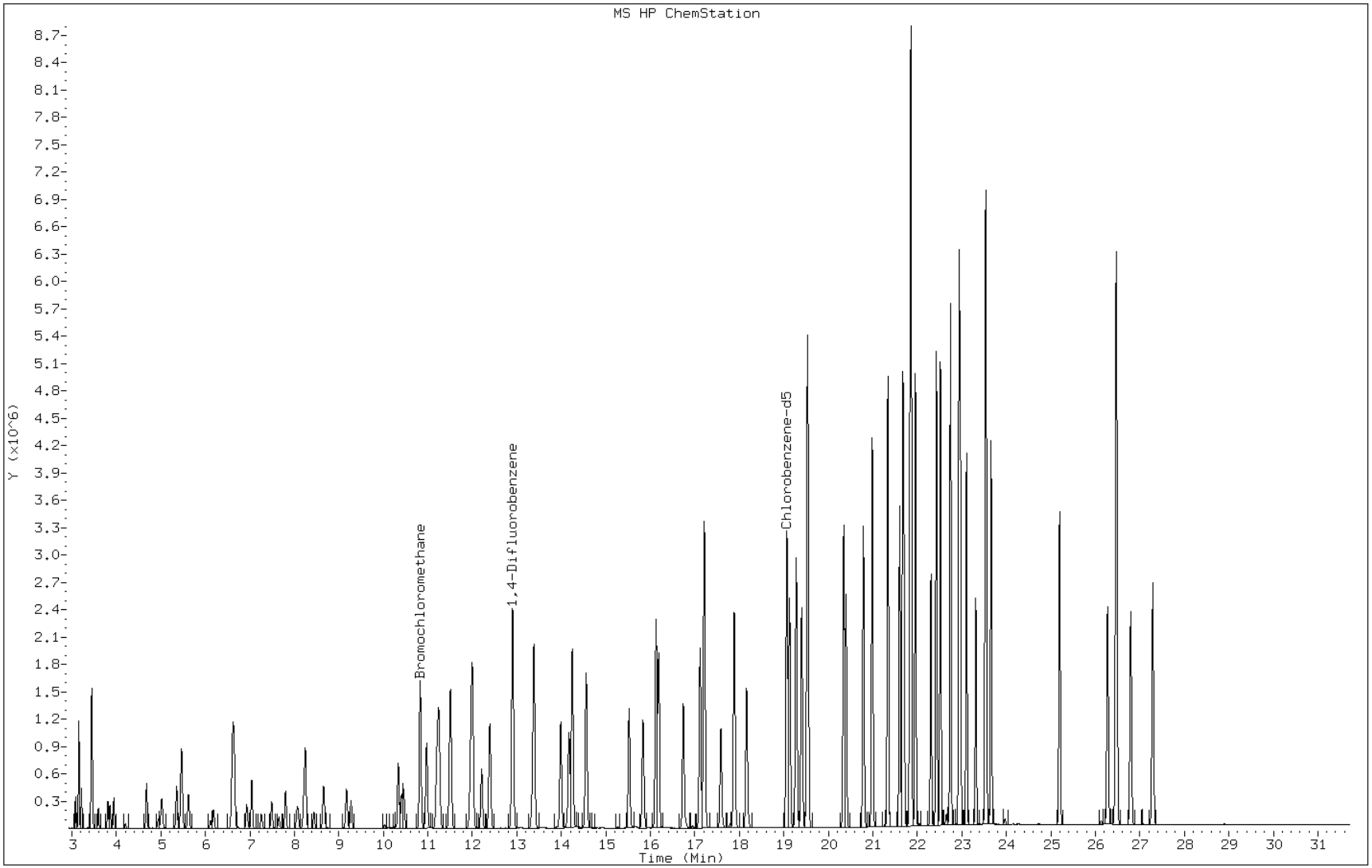
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	135000	10.0000	9.9
2	Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1019426	10.0000	10
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	417745	10.0000	10
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	965610	10.0000	10
5	Chloromethane	50	3.595	3.595	(0.332)	203578	10.0000	10
6	Butane	43	3.814	3.814	(0.352)	280604	10.0000	9.7
7	Vinyl chloride	62	3.862	3.862	(0.357)	260537	10.0000	9.8
8	1,3-Butadiene	54	3.948	3.948	(0.365)	170529	10.0000	10
9	Bromomethane	94	4.681	4.681	(0.432)	357460	10.0000	10
10	Chloroethane	64	4.943	4.943	(0.456)	106813	10.0000	10
11	2-Methylbutane	43	5.018	5.018	(0.463)	196444	10.0000	9.8
12	Vinyl bromide	106	5.355	5.355	(0.495)	416297	10.0000	10
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	1227745	10.0000	10
14	Pentane	43	5.622	5.622	(0.519)	339291	10.0000	9.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	112661	15.0000	15
	16 Ethyl ether	59	6.184	6.184	(0.571)	169472	10.0000	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	773531	10.0000	10
	18 Acrolein	56	6.596	6.596	(0.609)	90360	10.0000	11
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	322228	10.0000	9.9
	20 Acetone	43	6.928	6.928	(0.640)	436044	10.0000	11
	21 Carbon disulfide	76	7.040	7.040	(0.650)	973265	10.0000	10
	22 Isopropanol	45	7.254	7.254	(0.670)	272143	10.0000	11
	23 Allyl chloride	41	7.495	7.495	(0.692)	240891	10.0000	10
	24 Acetonitrile	41	7.655	7.655	(0.707)	148585	10.0000	10
	25 Methylene chloride	49	7.800	7.800	(0.720)	271417	10.0000	9.8
	26 Tert-butyl alcohol	59	8.062	8.062	(0.745)	495255	10.0000	11
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	855293	10.0000	10
	28 1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	426181	10.0000	10
	29 Acrylonitrile	53	8.442	8.442	(0.780)	170094	10.0000	10
	30 n-Hexane	57	8.656	8.656	(0.799)	365675	10.0000	10
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	606743	10.0000	9.7
	32 Vinyl acetate	43	9.271	9.271	(0.856)	628271	10.0000	10
M	33 1,2-Dichloroethene,Total	61				936780	20.0000	20
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	510599	10.0000	10
	35 Ethyl acetate	88	10.464	10.464	(0.966)	30619	10.0000	10
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	188110	10.0000	9.0
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	617845	10.0000	
	38 Tetrahydrofuran	42	10.833	10.833	(0.839)	313186	10.0000	10
	39 Chloroform	83	10.972	10.972	(1.013)	1193962	10.0000	10
	40 Cyclohexane	84	11.207	11.207	(0.868)	640115	10.0000	10
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	1397857	10.0000	10
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	1769771	10.0000	9.9
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	2162590	10.0000	10
	44 Benzene	78	12.004	12.004	(0.930)	1725233	10.0000	10
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	856580	10.0000	10
	46 n-Heptane	43	12.390	12.390	(0.960)	747142	10.0000	9.8
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3659543	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	229110	10.0000	11
	49 Trichloroethene	95	13.385	13.385	(1.037)	1095532	10.0000	9.9
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	805397	10.0000	10
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	739196	10.0000	10
	52 Dibromomethane	174	14.251	14.251	(1.104)	1258739	10.0000	10
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	353804	10.0000	11
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	1856119	10.0000	10
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	1330569	10.0000	11
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1254681	10.0000	11
	57 n-Octane	43	16.183	16.183	(1.254)	1257001	10.0000	10
	58 Toluene	92	16.124	16.124	(0.846)	1784113	10.0000	10
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	1330176	10.0000	11
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	916459	10.0000	10
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	1881634	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)
62	2-Hexanone	43	17.584	17.584	(0.922)	1106499	10.0000	12
63	Dibromochloromethane	129	17.889	17.889	(0.938)	2263148	10.0000	10
64	1,2-Dibromoethane	107	18.162	18.162	(0.953)	1773936	10.0000	11
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3457464	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	2516566	10.0000	10
67	n-Nonane	57	19.403	19.403	(1.018)	1438324	10.0000	10
68	Ethylbenzene	91	19.280	19.280	(1.011)	3747370	10.0000	10
69	Xylene (m,p)	106	19.532	19.532	(1.024)	3125450	20.0000	21
M 70	Xylenes, Total	106				4710547	10.0000	31
71	Xylene (o)	106	20.345	20.345	(1.067)	1585097	10.0000	10
72	Styrene	104	20.393	20.393	(1.070)	2116145	10.0000	10
73	Bromoform	173	20.789	20.789	(1.090)	2386786	10.0000	11
74	Isopropylbenzene	105	20.987	20.987	(1.101)	4352523	10.0000	10
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	2311876	10.0000	10
76	n-Propylbenzene	91	21.671	21.671	(1.137)	4864496	10.0000	11
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	1614354	10.0000	11
78	n-Decane	57	21.832	21.832	(1.145)	1646001	10.0000	11
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	4081554	10.0000	11
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	3250507	10.0000	11
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	3684153	10.0000	10
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	1129426	10.0000	7.5
83	tert-butylbenzene	119	22.431	22.431	(1.176)	3652429	10.0000	10
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	3614818	10.0000	11
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	5291261	10.0000	10
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	4520826	10.0000	11
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	2453230	10.0000	11
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	2279921	10.0000	11
89	Benzyl chloride	91	23.314	23.314	(1.223)	2270880	10.0000	12
90	Undecane	57	23.544	23.544	(1.235)	1807992	10.0000	11
91	n-Butylbenzene	91	23.528	23.528	(1.234)	3520840	10.0000	11
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	2488268	10.0000	11
93	Dodecane	57	25.197	25.197	(1.322)	1759701	10.0000	12
94	1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	1365217	10.0000	11
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	2417444	10.0000	10
96	Naphthalene	128	26.796	26.796	(1.405)	3371066	10.0000	11
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	1653731	10.0000	12

Data File:	gie007.d	Date:	17-MAY-2013 14:42
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 491496		
Lab Sample ID:	icis 491496		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie008.d
Lab Smp Id: ic 491507
Inj Date : 17-MAY-2013 15:32
Operator : pad Inst ID: G.i
Smp Info : ic 491507
Misc Info : 200,1, level 5
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 15:32 Cal File: gie008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

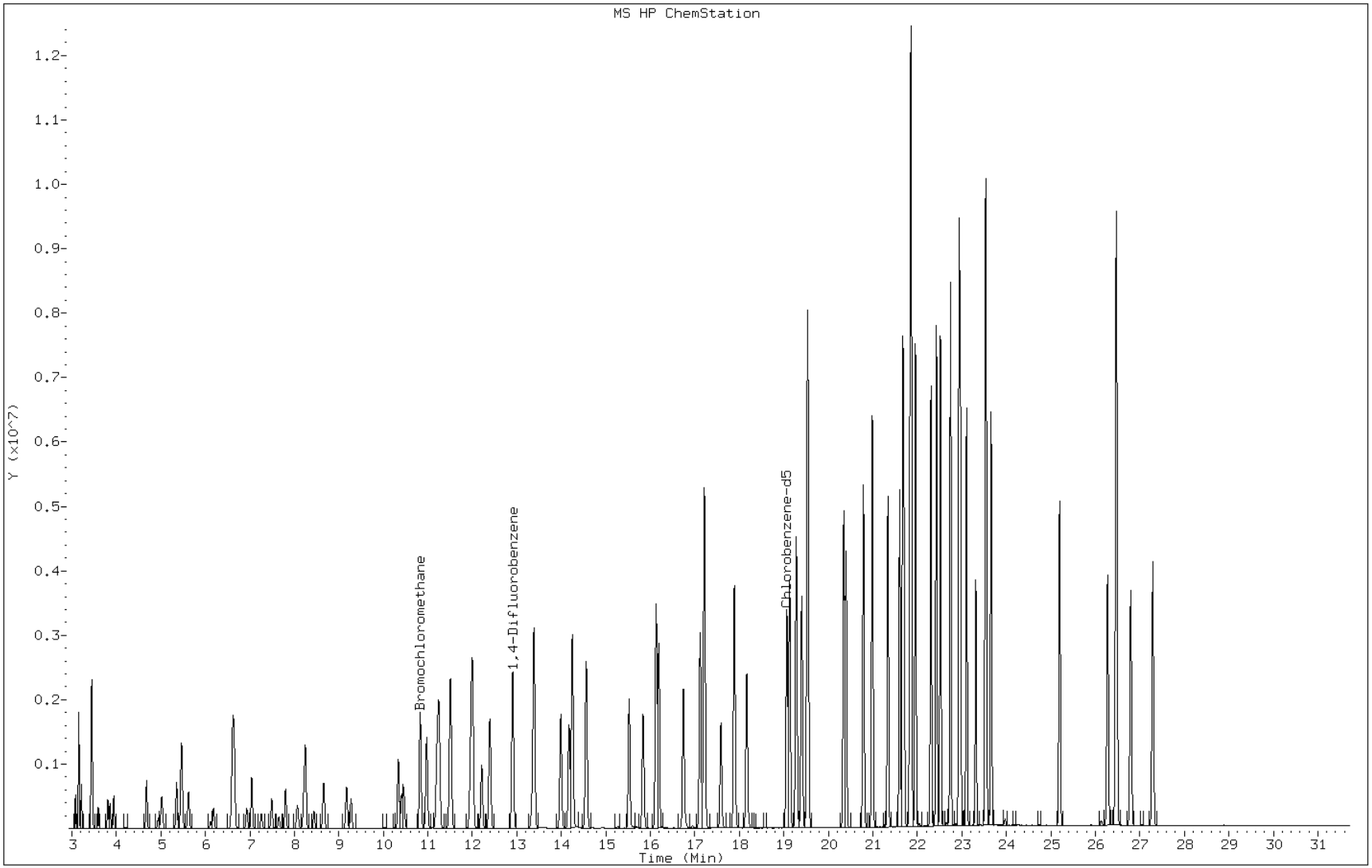
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	202945	15.0000	15
2	Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1537039	15.0000	15
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	628062	15.0000	15
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1448221	15.0000	15
5	Chloromethane	50	3.589	3.595	(0.332)	308068	15.0000	15
6	Butane	43	3.809	3.814	(0.352)	432694	15.0000	15
7	Vinyl chloride	62	3.857	3.862	(0.356)	402248	15.0000	15
8	1,3-Butadiene	54	3.942	3.948	(0.364)	255776	15.0000	15
9	Bromomethane	94	4.681	4.681	(0.432)	535497	15.0000	15
10	Chloroethane	64	4.938	4.943	(0.456)	162516	15.0000	15
11	2-Methylbutane	43	5.018	5.018	(0.463)	293930	15.0000	15
12	Vinyl bromide	106	5.355	5.355	(0.495)	636331	15.0000	15
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	1865583	15.0000	15
14	Pentane	43	5.622	5.622	(0.519)	520543	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	144364	20.0000	19
	16 Ethyl ether	59	6.184	6.184	(0.571)	261545	15.0000	16
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	1177657	15.0000	15
	18 Acrolein	56	6.596	6.596	(0.609)	107309	15.0000	13
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	490278	15.0000	15
	20 Acetone	43	6.928	6.928	(0.640)	529183	15.0000	13
	21 Carbon disulfide	76	7.040	7.040	(0.650)	1453332	15.0000	15
	22 Isopropanol	45	7.254	7.254	(0.670)	405411	15.0000	16
	23 Allyl chloride	41	7.495	7.495	(0.692)	361867	15.0000	15
	24 Acetonitrile	41	7.655	7.655	(0.707)	222154	15.0000	15
	25 Methylene chloride	49	7.805	7.800	(0.721)	412322	15.0000	15
	26 Tert-butyl alcohol	59	8.067	8.062	(0.745)	727427	15.0000	16
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	1307845	15.0000	16
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	640216	15.0000	15
	29 Acrylonitrile	53	8.442	8.442	(0.780)	256532	15.0000	16
	30 n-Hexane	57	8.661	8.656	(0.800)	553258	15.0000	15
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	920630	15.0000	15
	32 Vinyl acetate	43	9.276	9.271	(0.857)	964397	15.0000	16
M	33 1,2-Dichloroethene,Total	61				1415375	30.0000	31
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	775159	15.0000	15
	35 Ethyl acetate	88	10.464	10.464	(0.966)	45762	15.0000	16
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	270335	15.0000	13
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	616423	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	472057	15.0000	15
	39 Chloroform	83	10.972	10.972	(1.013)	1811173	15.0000	16
	40 Cyclohexane	84	11.213	11.207	(0.869)	965387	15.0000	15
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	2137064	15.0000	15
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	2720528	15.0000	15
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	3217575	15.0000	15
	44 Benzene	78	12.004	12.004	(0.930)	2563627	15.0000	15
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	1307404	15.0000	15
	46 n-Heptane	43	12.390	12.390	(0.960)	1124950	15.0000	15
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3719922	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	361038	15.0000	17
	49 Trichloroethene	95	13.385	13.385	(1.037)	1697845	15.0000	15
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	1234080	15.0000	16
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	1158275	15.0000	16
	52 Dibromomethane	174	14.251	14.251	(1.104)	2000720	15.0000	16
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	500059	15.0000	16
	54 Bromodichloromethane	83	14.562	14.556	(1.128)	2908629	15.0000	16
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	2071349	15.0000	16
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1876911	15.0000	16
	57 n-Octane	43	16.188	16.183	(1.254)	1875319	15.0000	15
	58 Toluene	92	16.129	16.124	(0.846)	2736482	15.0000	15
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	2083338	15.0000	17
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	1394192	15.0000	15
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	2966707	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	1647717	15.0000	17
63	Dibromochloromethane	129	17.889	17.889	(0.938)	3582274	15.0000	16
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	2768853	15.0000	16
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3535838	10.0000	
66	Chlorobenzene	112	19.130	19.125	(1.003)	3945734	15.0000	16
67	n-Nonane	57	19.403	19.403	(1.018)	2155380	15.0000	15
68	Ethylbenzene	91	19.280	19.280	(1.011)	5771428	15.0000	15
69	Xylene (m,p)	106	19.537	19.532	(1.025)	4773833	30.0000	31
M 70	Xylenes, Total	106				7211164	15.0000	47
71	Xylene (o)	106	20.345	20.345	(1.067)	2437331	15.0000	16
72	Styrene	104	20.398	20.393	(1.070)	3628153	15.0000	17
73	Bromoform	173	20.789	20.789	(1.090)	3872045	15.0000	17
74	Isopropylbenzene	105	20.987	20.987	(1.101)	6676329	15.0000	15
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	3485271	15.0000	15
76	n-Propylbenzene	91	21.671	21.671	(1.137)	7421110	15.0000	16
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	2429379	15.0000	16
78	n-Decane	57	21.832	21.832	(1.145)	2358044	15.0000	15
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	6016019	15.0000	16
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	4808588	15.0000	15
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	5694260	15.0000	16
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	2971869	15.0000	19
83	tert-butylbenzene	119	22.431	22.431	(1.176)	5575377	15.0000	15
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	5524348	15.0000	16
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	7991374	15.0000	15
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	6871612	15.0000	16
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	3906074	15.0000	18
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	3678171	15.0000	18
89	Benzyl chloride	91	23.314	23.314	(1.223)	3501463	15.0000	18
90	Undecane	57	23.544	23.544	(1.235)	2590839	15.0000	16
91	n-Butylbenzene	91	23.528	23.528	(1.234)	5203159	15.0000	16
92	1,2-Dichlorobenzene	146	23.661	23.656	(1.241)	3939346	15.0000	17
93	Dodecane	57	25.197	25.197	(1.322)	2635844	15.0000	17
94	1,2,4-Trichlorobenzene	180	26.277	26.272	(1.378)	2236740	15.0000	18
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	3692763	15.0000	16
96	Naphthalene	128	26.796	26.796	(1.405)	5315989	15.0000	17
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	2584080	15.0000	18

Data File:	gie008.d	Date:	17-MAY-2013 15:32
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491507		
Lab Sample ID:	ic 491507		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie009.d
Lab Smp Id: ic 491499
Inj Date : 17-MAY-2013 16:22
Operator : pad Inst ID: G.i
Smp Info : ic 491499
Misc Info : 200,1, level 6
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 16:22 Cal File: gie009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

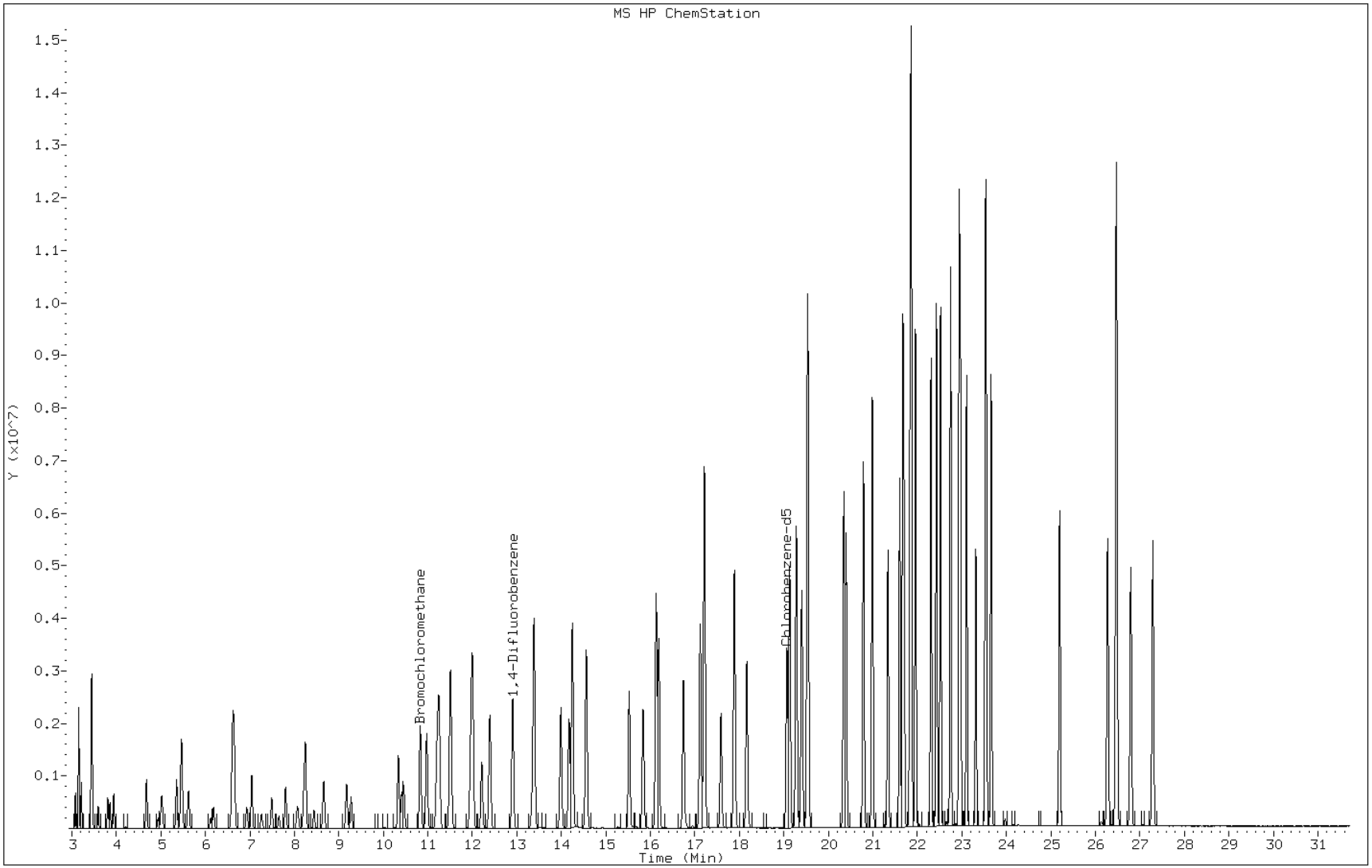
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	3.081	3.081	(0.285)	256266	20.0000	19
2 Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1971717	20.0000	20
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	811496	20.0000	20
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1852037	20.0000	20
5 Chloromethane	50	3.589	3.595	(0.332)	396773	20.0000	20
6 Butane	43	3.809	3.814	(0.352)	554545	20.0000	19
7 Vinyl chloride	62	3.857	3.862	(0.356)	515694	20.0000	19
8 1,3-Butadiene	54	3.943	3.948	(0.364)	330924	20.0000	19
9 Bromomethane	94	4.675	4.681	(0.432)	692117	20.0000	20
10 Chloroethane	64	4.943	4.943	(0.456)	208553	20.0000	20
11 2-Methylbutane	43	5.018	5.018	(0.463)	376754	20.0000	19
12 Vinyl bromide	106	5.355	5.355	(0.495)	822792	20.0000	20
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	2395540	20.0000	20
14 Pentane	43	5.622	5.622	(0.519)	663036	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	296100	40.0000	40
	16 Ethyl ether	59	6.184	6.184	(0.571)	335322	20.0000	20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	1504652	20.0000	20
	18 Acrolein	56	6.596	6.596	(0.609)	158051	20.0000	19
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	629797	20.0000	19
	20 Acetone	43	6.928	6.928	(0.640)	686204	20.0000	17
	21 Carbon disulfide	76	7.040	7.040	(0.650)	1881203	20.0000	20
	22 Isopropanol	45	7.259	7.254	(0.670)	488983	20.0000	19
	23 Allyl chloride	41	7.495	7.495	(0.692)	472286	20.0000	20
	24 Acetonitrile	41	7.655	7.655	(0.707)	285432	20.0000	20
	25 Methylene chloride	49	7.800	7.800	(0.720)	533066	20.0000	19
	26 Tert-butyl alcohol	59	8.072	8.062	(0.746)	868636	20.0000	19
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	1687929	20.0000	20
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	827761	20.0000	20
	29 Acrylonitrile	53	8.442	8.442	(0.780)	331046	20.0000	20
	30 n-Hexane	57	8.661	8.656	(0.800)	703822	20.0000	19
	31 1,1-Dichloroethane	63	9.175	9.174	(0.847)	1193803	20.0000	19
	32 Vinyl acetate	43	9.276	9.271	(0.857)	1241189	20.0000	20
M	33 1,2-Dichloroethene,Total	61				1820755	40.0000	40
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	992994	20.0000	20
	35 Ethyl acetate	88	10.464	10.464	(0.966)	58771	20.0000	20
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	352872	20.0000	17
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	615054	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	610095	20.0000	20
	39 Chloroform	83	10.972	10.972	(1.013)	2318750	20.0000	20
	40 Cyclohexane	84	11.207	11.207	(0.868)	1232361	20.0000	19
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	2757820	20.0000	19
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	3539998	20.0000	19
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	4096205	20.0000	19
	44 Benzene	78	12.010	12.004	(0.930)	3263893	20.0000	18
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	1700319	20.0000	20
	46 n-Heptane	43	12.395	12.390	(0.960)	1424715	20.0000	18
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3768456	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	460286	20.0000	21
	49 Trichloroethene	95	13.385	13.385	(1.037)	2189175	20.0000	19
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	1589657	20.0000	20
	51 Methyl methacrylate	69	14.177	14.171	(1.098)	1500597	20.0000	20
	52 Dibromomethane	174	14.251	14.251	(1.104)	2622347	20.0000	21
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	626119	20.0000	19
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	3792213	20.0000	21
	55 1,3-Dichloropropene (cis)	75	15.530	15.525	(1.203)	2714524	20.0000	21
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	2429032	20.0000	20
	57 n-Octane	43	16.188	16.183	(1.254)	2364998	20.0000	18
	58 Toluene	92	16.129	16.124	(0.846)	3546972	20.0000	19
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	2747968	20.0000	22
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	1815555	20.0000	19
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	3923321	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	2201460	20.0000	23
63	Dibromochloromethane	129	17.889	17.889	(0.938)	4733805	20.0000	21
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	3670661	20.0000	21
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3603796	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	5157218	20.0000	20
67	n-Nonane	57	19.403	19.403	(1.018)	2721849	20.0000	18
68	Ethylbenzene	91	19.280	19.280	(1.011)	7508092	20.0000	20
69	Xylene (m,p)	106	19.537	19.532	(1.025)	6156140	40.0000	39
M 70	Xylenes, Total	106				9341890	20.0000	59
71	Xylene (o)	106	20.350	20.345	(1.067)	3185750	20.0000	20
72	Styrene	104	20.398	20.393	(1.070)	4749576	20.0000	22
73	Bromoform	173	20.794	20.789	(1.091)	5183474	20.0000	23
74	Isopropylbenzene	105	20.987	20.987	(1.101)	8683839	20.0000	20
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	4483273	20.0000	19
76	n-Propylbenzene	91	21.671	21.671	(1.137)	9542751	20.0000	20
77	1,2,3-Trichloropropane	75	21.704	21.698	(1.138)	3136768	20.0000	20
78	n-Decane	57	21.832	21.832	(1.145)	2860471	20.0000	18
79	4-Ethyltoluene	105	21.859	21.853	(1.146)	7464877	20.0000	19
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	5924051	20.0000	19
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.151)	7333680	20.0000	20
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	3942532	20.0000	25
83	tert-butylbenzene	119	22.431	22.431	(1.176)	7182654	20.0000	19
84	1,2,4-Trimethylbenzene	105	22.522	22.517	(1.181)	7187742	20.0000	20
85	sec-Butylbenzene	105	22.747	22.741	(1.193)	10226533	20.0000	19
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	8828574	20.0000	20
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	5256425	20.0000	23
88	1,4-Dichlorobenzene	146	23.110	23.105	(1.212)	5064744	20.0000	24
89	Benzyl chloride	91	23.314	23.314	(1.223)	4961009	20.0000	25
90	Undecane	57	23.549	23.544	(1.235)	3147957	20.0000	19
91	n-Butylbenzene	91	23.528	23.528	(1.234)	6624510	20.0000	20
92	1,2-Dichlorobenzene	146	23.662	23.656	(1.241)	5310263	20.0000	22
93	Dodecane	57	25.197	25.197	(1.322)	3177956	20.0000	20
94	1,2,4-Trichlorobenzene	180	26.278	26.272	(1.378)	3168861	20.0000	25
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	4954499	20.0000	21
96	Naphthalene	128	26.796	26.796	(1.405)	7237908	20.0000	23
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	3493898	20.0000	24

Data File:	gie009.d	Date:	17-MAY-2013 16:22
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491499		
Lab Sample ID:	ic 491499		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie010.d
Lab Smp Id: ic 491500
Inj Date : 17-MAY-2013 17:12
Operator : pad Inst ID: G.i
Smp Info : ic 491500
Misc Info : 200,1, level 7
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	3.087	3.081	(0.285)	456386	40.0000	33
2	Dichlorodifluoromethane	85	3.161	3.156	(0.292)	3440117	40.0000	34
3	Chlorodifluoromethane	51	3.220	3.215	(0.297)	1438472	40.0000	35
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	3197250	40.0000	33
5	Chloromethane	50	3.595	3.595	(0.332)	704189	40.0000	35
6	Butane	43	3.814	3.814	(0.352)	973196	40.0000	33
7	Vinyl chloride	62	3.862	3.862	(0.357)	926278	40.0000	34
8	1,3-Butadiene	54	3.948	3.948	(0.364)	589846	40.0000	34
9	Bromomethane	94	4.681	4.681	(0.432)	1227996	40.0000	35
10	Chloroethane	64	4.943	4.943	(0.456)	379474	40.0000	36
11	2-Methylbutane	43	5.023	5.018	(0.464)	675149	40.0000	33
12	Vinyl bromide	106	5.360	5.355	(0.495)	1460177	40.0000	35
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	4279326	40.0000	35
14	Pentane	43	5.622	5.622	(0.519)	1167474	40.0000	34

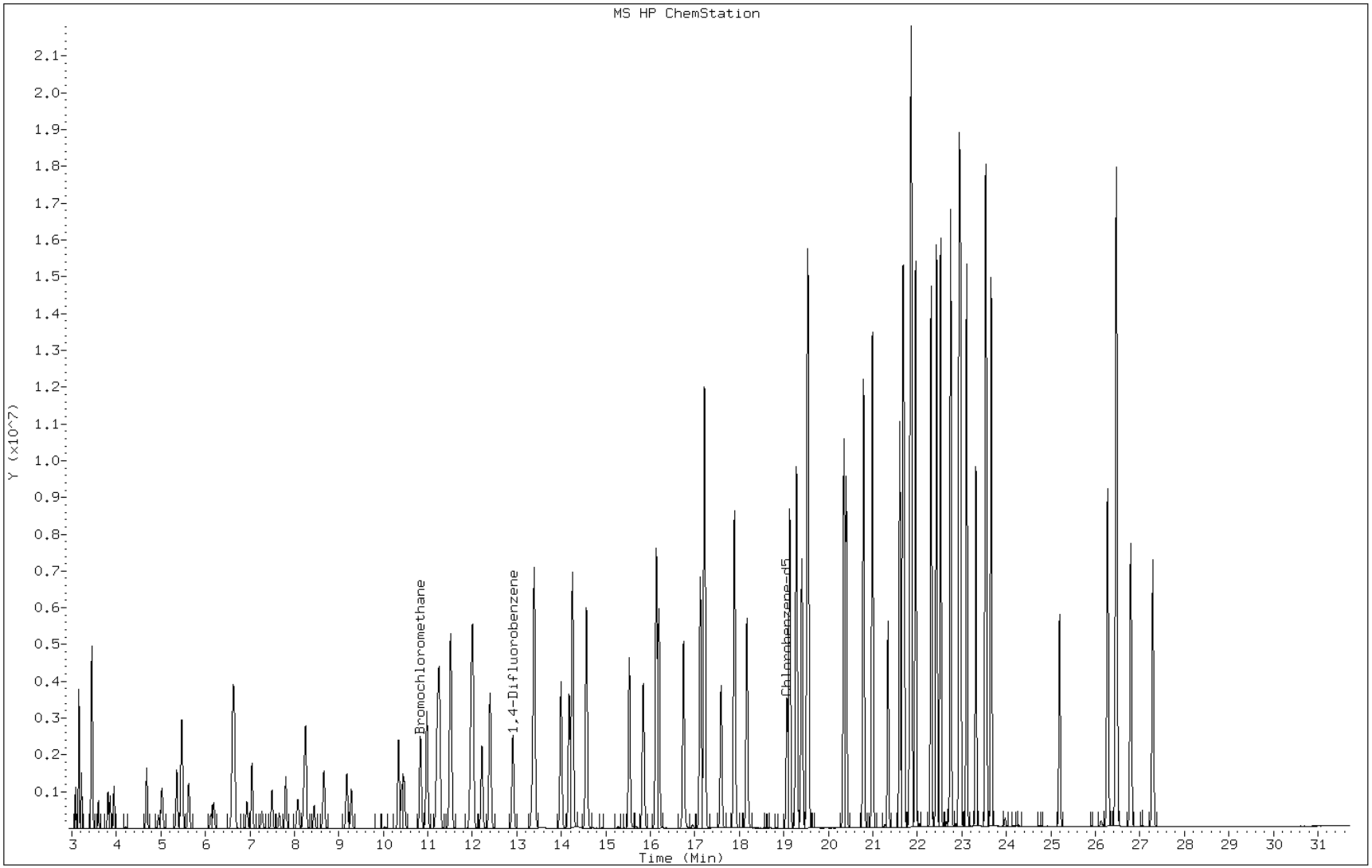
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.125	6.120	(0.565)	668385	100.000	88
	16 Ethyl ether	59	6.189	6.184	(0.571)	596625	40.0000	35
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.623	6.617	(0.611)	2617150	40.0000	34
	18 Acrolein	56	6.601	6.596	(0.609)	292840	40.0000	35
	19 1,1-Dichloroethene	96	6.660	6.655	(0.615)	1111606	40.0000	34
	20 Acetone	43	6.933	6.928	(0.640)	1231798	40.0000	30
	21 Carbon disulfide	76	7.045	7.040	(0.650)	3350693	40.0000	35
	22 Isopropanol	45	7.270	7.254	(0.671)	898931	40.0000	35
	23 Allyl chloride	41	7.500	7.495	(0.692)	841473	40.0000	35
	24 Acetonitrile	41	7.661	7.655	(0.707)	509898	40.0000	35
	25 Methylene chloride	49	7.805	7.800	(0.720)	951881	40.0000	34
	26 Tert-butyl alcohol	59	8.078	8.062	(0.746)	1635992	40.0000	35
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	2995863	40.0000	35
	28 1,2-Dichloroethene (trans)	61	8.260	8.249	(0.762)	1447283	40.0000	34
	29 Acrylonitrile	53	8.447	8.442	(0.780)	607224	40.0000	36
	30 n-Hexane	57	8.661	8.656	(0.800)	1252406	40.0000	34
	31 1,1-Dichloroethane	63	9.180	9.174	(0.847)	2149813	40.0000	34
	32 Vinyl acetate	43	9.282	9.271	(0.857)	2241699	40.0000	36
M	33 1,2-Dichloroethene,Total	61				3220584	80.0000	69
	34 1,2-Dichloroethene (cis)	96	10.346	10.341	(0.955)	1773301	40.0000	35
	35 Ethyl acetate	88	10.464	10.464	(0.966)	101682	40.0000	34
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.961)	627691	40.0000	30
*	37 Bromochloromethane	128	10.833	10.828	(1.000)	622674	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	1085323	40.0000	34
	39 Chloroform	83	10.977	10.972	(1.013)	4116720	40.0000	35
	40 Cyclohexane	84	11.213	11.207	(0.869)	2154474	40.0000	32
	41 1,1,1-Trichloroethane	97	11.256	11.250	(0.872)	4898031	40.0000	33
	42 Carbon tetrachloride	117	11.512	11.507	(0.892)	6375164	40.0000	34
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	7013600	40.0000	31
	44 Benzene	78	12.010	12.004	(0.930)	5626806	40.0000	31
	45 1,2-Dichloroethane	62	12.213	12.208	(0.946)	3067983	40.0000	34
	46 n-Heptane	43	12.395	12.390	(0.960)	2463713	40.0000	30
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3910624	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	915370	40.0000	40(A)
	49 Trichloroethene	95	13.390	13.385	(1.037)	3877351	40.0000	33
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	2806031	40.0000	34
	51 Methyl methacrylate	69	14.177	14.171	(1.098)	2656205	40.0000	35
	52 Dibromomethane	174	14.251	14.251	(1.104)	4895298	40.0000	38
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	1098005	40.0000	33
	54 Bromodichloromethane	83	14.562	14.556	(1.128)	6813885	40.0000	36
	55 1,3-Dichloropropene (cis)	75	15.530	15.525	(1.203)	4878657	40.0000	37
	56 Methyl isobutyl ketone	43	15.840	15.835	(1.227)	4233237	40.0000	33
	57 n-Octane	43	16.188	16.183	(1.254)	3962281	40.0000	30
	58 Toluene	92	16.129	16.124	(0.846)	6236553	40.0000	32
	59 1,3-Dichloropropene (trans)	75	16.744	16.739	(1.297)	5005180	40.0000	38
	60 1,1,2-Trichloroethane	83	17.124	17.119	(0.898)	3188222	40.0000	32
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	7228014	40.0000	34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	62 2-Hexanone	43	17.590	17.584	(0.923)	3969784	40.0000	39
	63 Dibromochloromethane	129	17.889	17.889	(0.938)	8624810	40.0000	37
	64 1,2-Dibromoethane	107	18.167	18.162	(0.953)	6669252	40.0000	36
*	65 Chlorobenzene-d5	117	19.066	19.066	(1.000)	3759093	10.0000	
	66 Chlorobenzene	112	19.130	19.125	(1.003)	9251478	40.0000	35
	67 n-Nonane	57	19.403	19.403	(1.018)	4547424	40.0000	30
	68 Ethylbenzene	91	19.285	19.280	(1.012)	13086651	40.0000	33
	69 Xylene (m,p)	106	19.537	19.532	(1.025)	10278157	80.0000	63
M	70 Xylenes, Total	106				15832264	40.0000	96
	71 Xylene (o)	106	20.350	20.345	(1.067)	5554107	40.0000	33
	72 Styrene	104	20.398	20.393	(1.070)	8465265	40.0000	37
	73 Bromoform	173	20.794	20.789	(1.091)	9441266	40.0000	39
	74 Isopropylbenzene	105	20.992	20.987	(1.101)	14825918	40.0000	32
	75 1,1,2,2-Tetrachloroethane	83	21.607	21.602	(1.133)	7459449	40.0000	31
	76 n-Propylbenzene	91	21.677	21.671	(1.137)	15520244	40.0000	31
	77 1,2,3-Trichloropropane	75	21.704	21.698	(1.138)	5231111	40.0000	32
	78 n-Decane	57	21.832	21.832	(1.145)	4229539	40.0000	25
	79 4-Ethyltoluene	105	21.859	21.853	(1.146)	11191444	40.0000	28
	80 2-Chlorotoluene	91	21.869	21.864	(1.147)	9124700	40.0000	27
	81 1,3,5-Trimethylbenzene	105	21.960	21.955	(1.152)	12387856	40.0000	32
	82 Alpha Methyl Styrene	118	22.313	22.308	(1.170)	7050144	40.0000	43(A)
	83 tert-butylbenzene	119	22.431	22.431	(1.176)	12172816	40.0000	31
	84 1,2,4-Trimethylbenzene	105	22.522	22.517	(1.181)	12116052	40.0000	33
	85 sec-Butylbenzene	105	22.747	22.741	(1.193)	16784733	40.0000	30
	86 4-Isopropyltoluene	119	22.945	22.939	(1.203)	14205142	40.0000	30
	87 1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	9267559	40.0000	39
	88 1,4-Dichlorobenzene	146	23.111	23.105	(1.212)	9420431	40.0000	44(A)
	89 Benzyl chloride	91	23.314	23.314	(1.223)	9620527	40.0000	46(A)
	90 Undecane	57	23.549	23.544	(1.235)	4662998	40.0000	26
	91 n-Butylbenzene	91	23.528	23.528	(1.234)	10338126	40.0000	30
	92 1,2-Dichlorobenzene	146	23.662	23.656	(1.241)	9638310	40.0000	39
	93 Dodecane	57	25.197	25.197	(1.322)	3043492	40.0000	18
	94 1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	5505447	40.0000	42(A)
	95 1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	7271392	40.0000	29
	96 Naphthalene	128	26.796	26.796	(1.405)	11647365	40.0000	35
	97 1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	4666815	40.0000	31

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	gie010.d	Date:	17-MAY-2013 17:12
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491500		
Lab Sample ID:	ic 491500		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
Propylene	Ave	0.2217	0.2188		9.87	10.0	-1.3	30.0
Dichlorodifluoromethane	Ave	1.622	1.723		10.6	10.0	6.2	30.0
Freon 22	Ave	0.6634	0.6929		10.4	10.0	4.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.538	1.624		10.6	10.0	5.6	30.0
Chloromethane	Ave	0.3269	0.3397		10.4	10.0	3.9	30.0
n-Butane	Ave	0.4677	0.4596		9.83	10.0	-1.7	30.0
Vinyl chloride	Ave	0.4313	0.4451		10.3	10.0	3.2	30.0
1,3-Butadiene	Ave	0.2762	0.2907		10.5	10.0	5.3	30.0
Bromomethane	Ave	0.5654	0.5813		10.3	10.0	2.8	30.0
Chloroethane	Ave	0.1702	0.1779		10.5	10.0	4.5	30.0
Isopentane	Ave	0.3240	0.3222		9.94	10.0	-0.6	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6682	0.7131		10.7	10.0	6.7	30.0
Trichlorofluoromethane	Ave	1.964	2.107		10.7	10.0	7.3	30.0
n-Pentane	Ave	0.5595	0.5492		9.81	10.0	-1.8	30.0
Ethanol	Ave	0.1214	0.1504		18.6	15.0	23.9	30.0
Ethyl ether	Ave	0.2702	0.2722		10.1	10.0	0.7	30.0
Acrolein	Ave	0.1330	0.1269		9.54	10.0	-4.6	30.0
Freon TF	Ave	1.253	1.419		11.3	10.0	13.2	30.0
1,1-Dichloroethene	Ave	0.5268	0.6057		11.5	10.0	15.0	30.0
Acetone	Ave	0.6564	0.8468		12.9	10.0	29.0	30.0
Carbon disulfide	Ave	1.533	1.626		10.6	10.0	6.1	30.0
Isopropyl alcohol	Ave	0.4127	0.4072		9.86	10.0	-1.3	30.0
3-Chloropropene	Ave	0.3917	0.4052		10.3	10.0	3.5	30.0
Acetonitrile	Ave	0.2344	0.2350		10.0	10.0	0.2	30.0
Methylene Chloride	Ave	0.4491	0.5030		11.2	10.0	12.0	30.0
tert-Butyl alcohol	Ave	0.7538	0.7448		9.88	10.0	-1.2	30.0
Methyl tert-butyl ether	Ave	1.359	1.454		10.7	10.0	7.0	30.0
trans-1,2-Dichloroethene	Ave	0.6816	0.7124		10.4	10.0	4.5	30.0
Acrylonitrile	Ave	0.2681	0.2843		10.6	10.0	6.0	30.0
n-Hexane	Ave	0.5887	0.6051		10.3	10.0	2.8	30.0
1,1-Dichloroethane	Ave	1.017	1.024		10.1	10.0	0.7	30.0
Vinyl acetate	Ave	0.998	1.026		10.3	10.0	2.9	30.0
cis-1,2-Dichloroethene	Ave	0.8116	0.8784		10.8	10.0	8.2	30.0
Methyl Ethyl Ketone	Ave	0.3391	0.3141		9.26	10.0	-7.4	30.0
Ethyl acetate	Ave	0.0474	0.0523		11.0	10.0	10.4	30.0
Tetrahydrofuran	Ave	0.0822	0.0868		10.6	10.0	5.6	30.0
Chloroform	Ave	1.894	2.020		10.7	10.0	6.7	30.0
Cyclohexane	Ave	0.1738	0.1805		10.4	10.0	3.9	30.0
1,1,1-Trichloroethane	Ave	0.3811	0.3956		10.4	10.0	3.8	30.0
Carbon tetrachloride	Ave	0.4862	0.4958		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
2,2,4-Trimethylpentane	Ave	0.5863	0.6061		10.3	10.0	3.4	30.0
Benzene	Ave	0.4703	0.4857		10.3	10.0	3.3	30.0
1,2-Dichloroethane	Ave	0.2306	0.2378		10.3	10.0	3.1	30.0
n-Heptane	Ave	0.2077	0.2085		10.0	10.0	0.4	30.0
n-Butanol	Ave	0.0579	0.0534		9.23	10.0	-7.7	30.0
Trichloroethene	Ave	0.3037	0.3076		10.1	10.0	1.3	30.0
1,2-Dichloropropane	Ave	0.2138	0.2189		10.2	10.0	2.4	30.0
Methyl methacrylate	Ave	0.1959	0.2050		10.5	10.0	4.6	30.0
1,4-Dioxane	Ave	0.0860	0.0833		9.68	10.0	-3.2	30.0
Dibromomethane	Ave	0.3317	0.3499		10.5	10.0	5.5	30.0
Bromodichloromethane	Ave	0.4906	0.5338		10.9	10.0	8.8	30.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3608		10.6	10.0	5.8	30.0
Methyl isobutyl ketone	Ave	0.3255	0.3454		10.6	10.0	6.1	30.0
Toluene	Ave	0.5117	0.5167		10.1	10.0	1.0	30.0
n-Octane	Ave	0.3406	0.3440		10.1	10.0	1.0	30.0
trans-1,3-Dichloropropene	Ave	0.3336	0.3580		10.7	10.0	7.3	30.0
1,1,2-Trichloroethane	Ave	0.2629	0.2542		9.67	10.0	-3.3	30.0
Tetrachloroethene	Ave	0.5641	0.5404		9.58	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2687	0.3131		11.7	10.0	16.5	30.0
Dibromochloromethane	Ave	0.6255	0.6872		11.0	10.0	9.9	30.0
1,2-Dibromoethane	Ave	0.4874	0.4991		10.2	10.0	2.4	30.0
Chlorobenzene	Ave	0.7096	0.7184		10.1	10.0	1.2	30.0
Ethylbenzene	Ave	1.056	1.082		10.2	10.0	2.5	30.0
n-Nonane	Ave	0.4097	0.4163		10.2	10.0	1.6	30.0
m-Xylene & p-Xylene	Ave	0.4329	0.4450		20.6	20.0	2.8	30.0
o-Xylene	Ave	0.4445	0.4480		10.1	10.0	0.8	30.0
Styrene	Ave	0.6022	0.6127		10.2	10.0	1.7	30.0
Bromoform	Ave	0.6385	0.7055		11.0	10.0	10.5	30.0
Cumene	Ave	1.228	1.264		10.3	10.0	3.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6386	0.6330		9.91	10.0	-0.9	30.0
n-Propylbenzene	Ave	1.321	1.403		10.6	10.0	6.2	30.0
1,2,3-Trichloropropane	Ave	0.4414	0.4588		10.4	10.0	3.9	30.0
n-Decane	Ave	0.4491	0.4681		10.4	10.0	4.2	30.0
4-Ethyltoluene	Ave	1.074	1.182		11.0	10.0	10.0	30.0
2-Chlorotoluene	Ave	0.8875	0.9519		10.7	10.0	7.3	30.0
1,3,5-Trimethylbenzene	Ave	1.032	1.039		10.1	10.0	0.7	30.0
Alpha Methyl Styrene	Ave	0.4338	0.3557		8.20	10.0	-18.0	30.0
tert-Butylbenzene	Ave	1.034	1.053		10.2	10.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	0.9904	0.9850		9.94	10.0	-0.5	30.0
sec-Butylbenzene	Ave	1.478	1.513		10.2	10.0	2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
4-Isopropyltoluene	Ave	1.244	1.287		10.3	10.0	3.4	30.0
1,3-Dichlorobenzene	Ave	0.6271	0.6516		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	0.5750	0.5992		10.4	10.0	4.2	30.0
Benzyl chloride	Ave	0.5551	0.6148		11.1	10.0	10.8	30.0
n-Butylbenzene	Ave	0.9217	0.9858		10.7	10.0	7.0	30.0
n-Undecane	Ave	0.4689	0.4881		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	0.6609	0.6429		9.73	10.0	-2.7	30.0
n-Dodecane	Ave	0.4400	0.4419		10.0	10.0	0.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3523	0.2954		8.38	10.0	-16.1	30.0
Hexachlorobutadiene	Ave	0.6696	0.5782		8.63	10.0	-13.7	30.0
Naphthalene	Ave	0.8807	0.7330		8.32	10.0	-16.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4060	0.3667		9.03	10.0	-9.7	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie015.d
Lab Smp Id: icv 489438
Inj Date : 17-MAY-2013 21:21
Operator : pad Inst ID: G.i
Smp Info : icv 489438
Misc Info : 200,1, icv
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 3 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

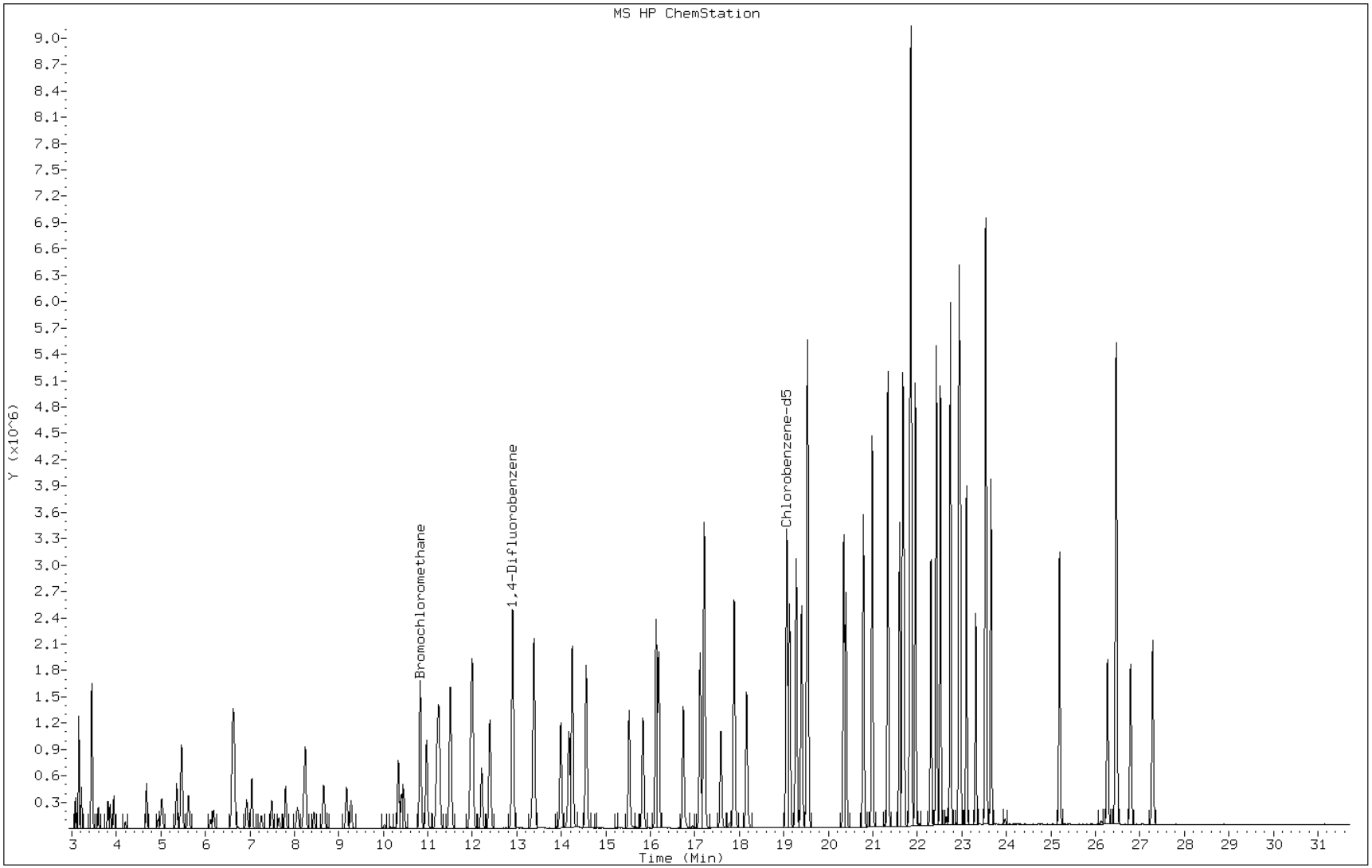
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	3.081	3.081	(0.285)	139780	9.86644	9.9
2 Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1100675	10.6178	11
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	442614	10.4414	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1037673	10.5573	11
5 Chloromethane	50	3.595	3.595	(0.332)	217021	10.3888	10
6 Butane	43	3.814	3.814	(0.352)	293634	9.82558	9.8
7 Vinyl chloride	62	3.862	3.862	(0.357)	284337	10.3168	10
8 1,3-Butadiene	54	3.948	3.948	(0.365)	185733	10.5247	11
9 Bromomethane	94	4.681	4.681	(0.432)	371365	10.2795	10
10 Chloroethane	64	4.943	4.943	(0.456)	113624	10.4507	10
11 2-Methylbutane	43	5.018	5.018	(0.463)	205849	9.94285	9.9
12 Vinyl bromide	106	5.355	5.355	(0.495)	455532	10.6699	11
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	1346295	10.7258	11
14 Pentane	43	5.622	5.622	(0.519)	350835	9.81426	9.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	6.114	6.120	(0.565)	144219	18.5875	19
	16 Ethyl ether	59	6.189	6.184	(0.572)	173904	10.0711	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	906198	11.3209	11
	18 Acrolein	56	6.596	6.596	(0.609)	81080	9.54290	9.5
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	386919	11.4957	11
	20 Acetone	43	6.928	6.928	(0.640)	540979	12.8988	13
	21 Carbon disulfide	76	7.045	7.040	(0.651)	1039026	10.6065	11
	22 Isopropanol	45	7.259	7.254	(0.670)	260151	9.86465	9.9
	23 Allyl chloride	41	7.489	7.495	(0.692)	258877	10.3444	10
	24 Acetonitrile	41	7.655	7.655	(0.707)	150127	10.0221	10
	25 Methylene chloride	49	7.800	7.800	(0.720)	321352	11.1994	11
	26 Tert-butyl alcohol	59	8.062	8.062	(0.745)	475783	9.87834	9.9
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	928542	10.6957	11
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	455090	10.4499	10
	29 Acrylonitrile	53	8.436	8.442	(0.779)	181635	10.6021	11
	30 n-Hexane	57	8.656	8.656	(0.799)	386564	10.2765	10
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	653963	10.0652	10
	32 Vinyl acetate	43	9.276	9.271	(0.857)	655718	10.2853	10
M	33 1,2-Dichloroethene,Total	61				1016257	21.2717	21
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	561167	10.8217	11
	35 Ethyl acetate	88	10.453	10.464	(0.965)	33410	11.0343	11
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	200677	9.26214	9.3
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	638955	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	330953	10.5568	11
	39 Chloroform	83	10.972	10.972	(1.013)	1290546	10.6661	11
	40 Cyclohexane	84	11.207	11.207	(0.868)	688352	10.3851	10
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	1508726	10.3779	10
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	1890920	10.1966	10
	43 2,2,4-Trimethylpentane	57	11.972	11.978	(0.927)	2311506	10.3360	10
	44 Benzene	78	12.004	12.004	(0.930)	1852035	10.3250	10
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	907006	10.3109	10
	46 n-Heptane	43	12.390	12.390	(0.960)	795067	10.0361	10
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3814293	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	203701	9.22960	9.2
	49 Trichloroethene	95	13.385	13.385	(1.037)	1173021	10.1279	10
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	834747	10.2346	10
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	781571	10.4573	10
	52 Dibromomethane	174	14.246	14.251	(1.104)	1334471	10.5462	11
	53 1,4-Dioxane	88	14.219	14.225	(1.102)	317641	9.68297	9.7
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	2035688	10.8786	11
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	1375896	10.5769	11
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1317364	10.6118	11
	57 n-Octane	43	16.183	16.183	(1.254)	1311875	10.0965	10
	58 Toluene	92	16.124	16.124	(0.846)	1860396	10.0956	10
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	1365214	10.7295	11
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	915237	9.66938	9.7
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	1945714	9.57910	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.579	17.584	(0.922)	1127091	11.6503	12
	63 Dibromochloromethane	129	17.884	17.889	(0.938)	2474204	10.9841	11
	64 1,2-Dibromoethane	107	18.162	18.162	(0.953)	1796785	10.2374	10
*	65 Chlorobenzene-d5	117	19.061	19.066	(1.000)	3601006	10.0000	
	66 Chlorobenzene	112	19.125	19.125	(1.003)	2586617	10.1225	10
	67 n-Nonane	57	19.398	19.403	(1.018)	1498729	10.1576	10
	68 Ethylbenzene	91	19.280	19.280	(1.012)	3897103	10.2497	10
	69 Xylene (m,p)	106	19.531	19.532	(1.025)	3204356	20.5566	21
M	70 Xylenes, Total	106				4817425	30.6336	31
	71 Xylene (o)	106	20.345	20.345	(1.067)	1613069	10.0770	10
	72 Styrene	104	20.398	20.393	(1.070)	2205915	10.1723	10
	73 Bromoform	173	20.789	20.789	(1.091)	2540065	11.0472	11
	74 Isopropylbenzene	105	20.987	20.987	(1.101)	4552568	10.2948	10
	75 1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	2278927	9.91080	9.9
	76 n-Propylbenzene	91	21.671	21.671	(1.137)	5052302	10.6203	11
	77 1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	1651925	10.3920	10
	78 n-Decane	57	21.832	21.832	(1.145)	1685280	10.4214	10
	79 4-Ethyltoluene	105	21.853	21.853	(1.147)	4254241	10.9969	11
	80 2-Chlorotoluene	91	21.859	21.864	(1.147)	3427188	10.7241	11
	81 1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	3741535	10.0697	10
	82 Alpha Methyl Styrene	118	22.308	22.308	(1.170)	1280616	8.19829	8.2
	83 tert-butylbenzene	119	22.426	22.431	(1.177)	3790241	10.1750	10
	84 1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	3546350	9.94387	9.9
	85 sec-Butylbenzene	105	22.741	22.741	(1.193)	5447821	10.2351	10
	86 4-Isopropyltoluene	119	22.939	22.939	(1.203)	4633047	10.3429	10
	87 1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	2345884	10.3886	10
	88 1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	2157401	10.4201	10
	89 Benzyl chloride	91	23.314	23.314	(1.223)	2213574	11.0747	11
	90 Undecane	57	23.544	23.544	(1.235)	1757472	10.4092	10
	91 n-Butylbenzene	91	23.528	23.528	(1.234)	3549189	10.6937	11
	92 1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	2314749	9.72581	9.7
	93 Dodecane	57	25.197	25.197	(1.322)	1591101	10.0429	10
	94 1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	1063548	8.38397	8.4
	95 1,3-Hexachlorobutadiene	225	26.465	26.470	(1.388)	2081506	8.63254	8.6
	96 Naphthalene	128	26.791	26.796	(1.406)	2639045	8.32148	8.3
	97 1,2,3-Trichlorobenzene	180	27.289	27.289	(1.432)	1320138	9.02950	9.0

Data File:	gie015.d	Date:	17-MAY-2013 21:21
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icv 489438		
Lab Sample ID:	icv 489438		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
Propylene	Ave	0.2217	0.1921		8.66	10.0	-13.4	30.0
Dichlorodifluoromethane	Ave	1.622	1.665		10.3	10.0	2.6	30.0
Freon 22	Ave	0.6634	0.6269		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.538	1.548		10.1	10.0	0.6	30.0
Chloromethane	Ave	0.3269	0.2968		9.08	10.0	-9.2	30.0
n-Butane	Ave	0.4677	0.4042		8.64	10.0	-13.6	30.0
Vinyl chloride	Ave	0.4313	0.3841		8.90	10.0	-11.0	30.0
1,3-Butadiene	Ave	0.2762	0.2424		8.77	10.0	-12.2	30.0
Bromomethane	Ave	0.5654	0.5500		9.73	10.0	-2.7	30.0
Chloroethane	Ave	0.1702	0.1531		9.00	10.0	-10.0	30.0
Isopentane	Ave	0.3240	0.2732		8.43	10.0	-15.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6682	0.6483		9.70	10.0	-3.0	30.0
Trichlorofluoromethane	Ave	1.964	2.003		10.2	10.0	2.0	30.0
n-Pentane	Ave	0.5595	0.4804		8.59	10.0	-14.1	30.0
Ethanol	Ave	0.1214	0.1191		14.7	15.0	-1.9	30.0
Ethyl ether	Ave	0.2702	0.2398		8.87	10.0	-11.3	30.0
Acrolein	Ave	0.1330	0.1246		9.37	10.0	-6.3	30.0
Freon TF	Ave	1.253	1.221		9.74	10.0	-2.6	30.0
1,1-Dichloroethene	Ave	0.5268	0.4972		9.44	10.0	-5.6	30.0
Acetone	Ave	0.6564	0.6308		9.61	10.0	-3.9	30.0
Carbon disulfide	Ave	1.533	1.432		9.34	10.0	-6.6	30.0
Isopropyl alcohol	Ave	0.4127	0.3483		8.44	10.0	-15.6	30.0
3-Chloropropene	Ave	0.3917	0.3345		8.54	10.0	-14.6	30.0
Acetonitrile	Ave	0.2344	0.2010		8.57	10.0	-14.3	30.0
Methylene Chloride	Ave	0.4491	0.4053		9.02	10.0	-9.7	30.0
tert-Butyl alcohol	Ave	0.7538	0.6465		8.57	10.0	-14.2	30.0
Methyl tert-butyl ether	Ave	1.359	1.251		9.20	10.0	-8.0	30.0
trans-1,2-Dichloroethene	Ave	0.6816	0.6200		9.09	10.0	-9.0	30.0
Acrylonitrile	Ave	0.2681	0.2303		8.59	10.0	-14.1	30.0
n-Hexane	Ave	0.5887	0.5099		8.66	10.0	-13.4	30.0
1,1-Dichloroethane	Ave	1.017	0.8630		8.49	10.0	-15.1	30.0
Vinyl acetate	Ave	0.998	0.8659		8.68	10.0	-13.2	30.0
cis-1,2-Dichloroethene	Ave	0.8116	0.7612		9.38	10.0	-6.2	30.0
Methyl Ethyl Ketone	Ave	0.3391	0.2556		7.54	10.0	-24.6	30.0
Ethyl acetate	Ave	0.0474	0.0451		9.52	10.0	-4.7	30.0
Tetrahydrofuran	Ave	0.0822	0.0721		8.77	10.0	-12.2	30.0
Chloroform	Ave	1.894	1.834		9.68	10.0	-3.1	30.0
Cyclohexane	Ave	0.1738	0.1524		8.77	10.0	-12.3	30.0
1,1,1-Trichloroethane	Ave	0.3811	0.3689		9.68	10.0	-3.2	30.0
Carbon tetrachloride	Ave	0.4862	0.4635		9.53	10.0	-4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
2,2,4-Trimethylpentane	Ave	0.5863	0.5096		8.69	10.0	-13.1	30.0
Benzene	Ave	0.4703	0.4217		8.97	10.0	-10.3	30.0
1,2-Dichloroethane	Ave	0.2306	0.2146		9.30	10.0	-6.9	30.0
n-Heptane	Ave	0.2077	0.1813		8.73	10.0	-12.7	30.0
n-Butanol	Ave	0.0579	0.0678		11.7	10.0	17.2	30.0
Trichloroethene	Ave	0.3037	0.2930		9.65	10.0	-3.5	30.0
1,2-Dichloropropane	Ave	0.2138	0.2080		9.73	10.0	-2.7	30.0
Methyl methacrylate	Ave	0.1959	0.1888		9.63	10.0	-3.7	30.0
1,4-Dioxane	Ave	0.0860	0.0839		9.76	10.0	-2.4	30.0
Dibromomethane	Ave	0.3317	0.3287		9.91	10.0	-0.9	30.0
Bromodichloromethane	Ave	0.4906	0.5016		10.2	10.0	2.2	30.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3416		10.0	10.0	0.2	30.0
Methyl isobutyl ketone	Ave	0.3255	0.3187		9.79	10.0	-2.1	30.0
Toluene	Ave	0.5117	0.4659		9.10	10.0	-9.0	30.0
n-Octane	Ave	0.3406	0.3327		9.76	10.0	-2.3	30.0
trans-1,3-Dichloropropene	Ave	0.3336	0.3486		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.2629	0.2505		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.5641	0.4894		8.67	10.0	-13.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2687	0.2906		10.8	10.0	8.2	30.0
Dibromochloromethane	Ave	0.6255	0.6089		9.73	10.0	-2.7	30.0
1,2-Dibromoethane	Ave	0.4874	0.4846		9.94	10.0	-0.6	30.0
Chlorobenzene	Ave	0.7096	0.6625		9.33	10.0	-6.6	30.0
Ethylbenzene	Ave	1.056	1.005		9.52	10.0	-4.8	30.0
n-Nonane	Ave	0.4097	0.3826		9.34	10.0	-6.6	30.0
m-Xylene & p-Xylene	Ave	0.4329	0.4026		18.6	20.0	-7.0	30.0
o-Xylene	Ave	0.4445	0.4100		9.22	10.0	-7.8	30.0
Styrene	Ave	0.6022	0.5963		9.90	10.0	-1.0	30.0
Bromoform	Ave	0.6385	0.6587		10.3	10.0	3.2	30.0
Cumene	Ave	1.228	1.149		9.36	10.0	-6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6386	0.6372		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.321	1.316		9.96	10.0	-0.4	30.0
1,2,3-Trichloropropane	Ave	0.4414	0.4295		9.73	10.0	-2.7	30.0
n-Decane	Ave	0.4491	0.4327		9.63	10.0	-3.6	30.0
4-Ethyltoluene	Ave	1.074	1.081		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.8875	0.8867		9.99	10.0	-0.0	30.0
1,3,5-Trimethylbenzene	Ave	1.032	0.9725		9.42	10.0	-5.8	30.0
Alpha Methyl Styrene	Ave	0.4338	0.4880		11.2	10.0	12.5	30.0
tert-Butylbenzene	Ave	1.034	0.9511		9.19	10.0	-8.1	30.0
1,2,4-Trimethylbenzene	Ave	0.9904	0.9560		9.65	10.0	-3.5	30.0
sec-Butylbenzene	Ave	1.478	1.399		9.46	10.0	-5.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
4-Isopropyltoluene	Ave	1.244	1.191		9.57	10.0	-4.2	30.0
1,3-Dichlorobenzene	Ave	0.6271	0.6403		10.2	10.0	2.1	30.0
1,4-Dichlorobenzene	Ave	0.5750	0.5956		10.4	10.0	3.6	30.0
Benzyl chloride	Ave	0.5551	0.6500		11.7	10.0	17.1	30.0
n-Butylbenzene	Ave	0.9217	0.9639		10.5	10.0	4.6	30.0
n-Undecane	Ave	0.4689	0.4809		10.3	10.0	2.6	30.0
1,2-Dichlorobenzene	Ave	0.6609	0.6478		9.80	10.0	-2.0	30.0
n-Dodecane	Ave	0.4400	0.4687		10.7	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3523	0.3262		9.26	10.0	-7.4	30.0
Hexachlorobutadiene	Ave	0.6696	0.6253		9.34	10.0	-6.6	30.0
Naphthalene	Ave	0.8807	0.7542		8.56	10.0	-14.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4060	0.3777		9.30	10.0	-7.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem003.d
Lab Smp Id: ccvis 504997
Inj Date : 10-JUN-2013 10:57
Operator : WRD Inst ID: G.i
Smp Info : ccvis 504997
Misc Info : 200,1, ccvis
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

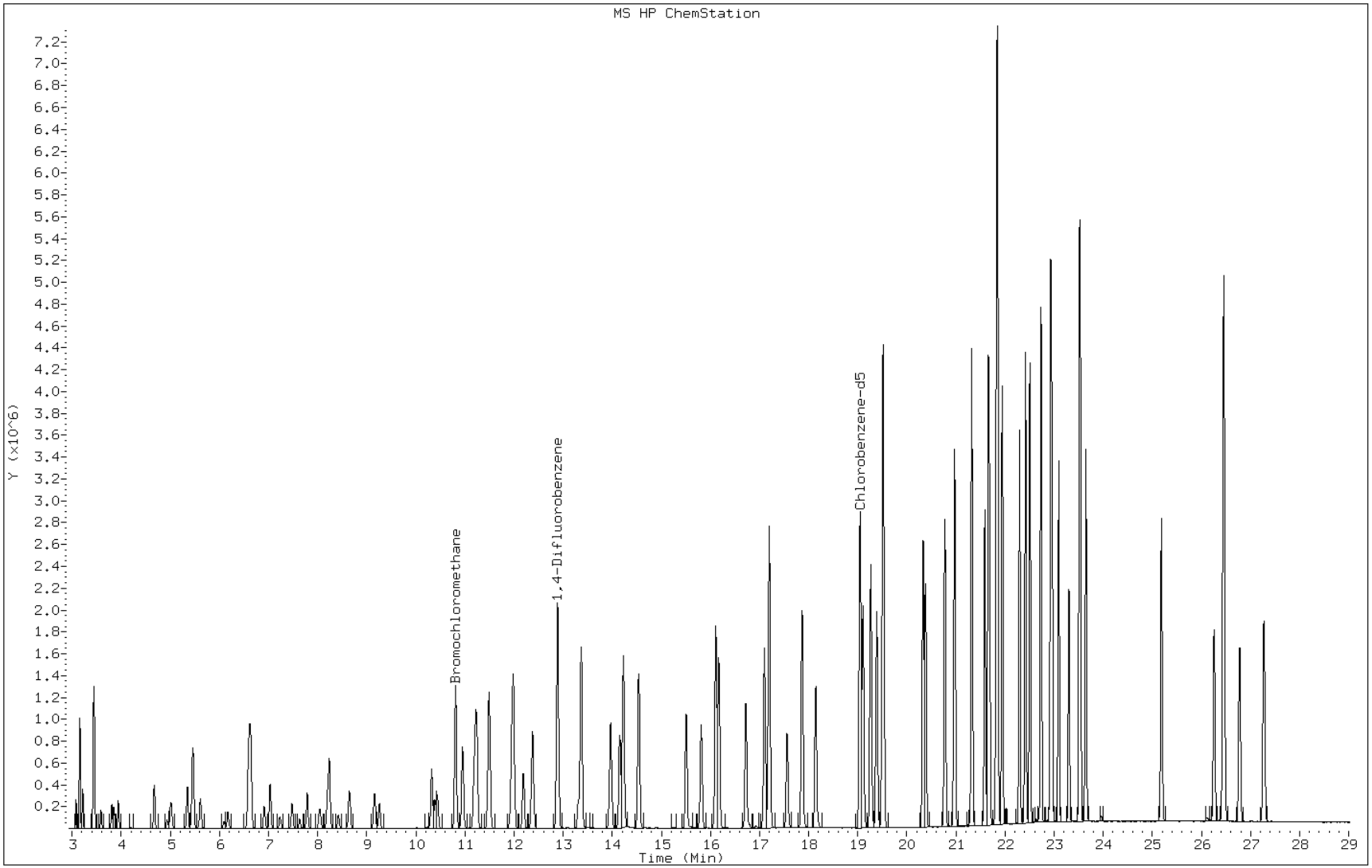
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	99433	10.0000	8.7
2	Dichlorodifluoromethane	85	3.156	3.156	(0.292)	861814	10.0000	10
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	324524	10.0000	9.4
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.319)	801362	10.0000	10
5	Chloromethane	50	3.589	3.595	(0.332)	153629	10.0000	9.1
6	Butane	43	3.809	3.814	(0.352)	209255	10.0000	8.6
7	Vinyl chloride	62	3.857	3.862	(0.357)	198826	10.0000	8.9
8	1,3-Butadiene	54	3.942	3.948	(0.365)	125471	10.0000	8.8
9	Bromomethane	94	4.670	4.681	(0.432)	284697	10.0000	9.7
10	Chloroethane	64	4.932	4.943	(0.456)	79263	10.0000	9.0
11	2-Methylbutane	43	5.012	5.018	(0.464)	141436	10.0000	8.4
12	Vinyl bromide	106	5.349	5.355	(0.495)	335602	10.0000	9.7
13	Trichlorofluoromethane	101	5.456	5.467	(0.505)	1036899	10.0000	10
14	Pentane	43	5.612	5.622	(0.519)	248703	10.0000	8.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.093	6.120	(0.564)	92530	15.0000	15
	16 Ethyl ether	59	6.173	6.184	(0.571)	124154	10.0000	8.9
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.607	6.617	(0.611)	631904	10.0000	9.7
	18 Acrolein	56	6.580	6.596	(0.609)	64480	10.0000	9.4
	19 1,1-Dichloroethene	96	6.644	6.655	(0.615)	257358	10.0000	9.4
	20 Acetone	43	6.912	6.928	(0.639)	326535	10.0000	9.6
	21 Carbon disulfide	76	7.035	7.040	(0.651)	741410	10.0000	9.3
	22 Isopropanol	45	7.238	7.254	(0.669)	180319	10.0000	8.4
	23 Allyl chloride	41	7.479	7.495	(0.692)	173158	10.0000	8.5
	24 Acetonitrile	41	7.634	7.655	(0.706)	104052	10.0000	8.6
	25 Methylene chloride	49	7.789	7.800	(0.720)	209832	10.0000	9.0
	26 Tert-butyl alcohol	59	8.040	8.062	(0.744)	334647	10.0000	8.6
	27 Methyl tert-butyl ether	73	8.211	8.228	(0.760)	647369	10.0000	9.2
	28 1,2-Dichloroethene (trans)	61	8.244	8.249	(0.762)	320928	10.0000	9.1
	29 Acrylonitrile	53	8.420	8.442	(0.779)	119225	10.0000	8.6
	30 n-Hexane	57	8.650	8.656	(0.800)	263945	10.0000	8.7
	31 1,1-Dichloroethane	63	9.158	9.174	(0.847)	446765	10.0000	8.5
	32 Vinyl acetate	43	9.260	9.271	(0.856)	448269	10.0000	8.7
M	33 1,2-Dichloroethene,Total	61				714984	20.0000	18
	34 1,2-Dichloroethene (cis)	96	10.325	10.341	(0.955)	394056	10.0000	9.4
	35 Ethyl acetate	88	10.442	10.464	(0.966)	23367	10.0000	9.5
	36 Methyl Ethyl Ketone	72	10.389	10.416	(0.961)	132302	10.0000	7.5
*	37 Bromochloromethane	128	10.811	10.828	(1.000)	517766	10.0000	
	38 Tetrahydrofuran	42	10.806	10.833	(0.839)	225045	10.0000	8.8
	39 Chloroform	83	10.951	10.972	(1.013)	949459	10.0000	9.7
	40 Cyclohexane	84	11.197	11.207	(0.869)	475409	10.0000	8.8
	41 1,1,1-Trichloroethane	97	11.234	11.250	(0.872)	1151046	10.0000	9.7
	42 Carbon tetrachloride	117	11.491	11.507	(0.892)	1446062	10.0000	9.5
	43 2,2,4-Trimethylpentane	57	11.962	11.978	(0.928)	1589769	10.0000	8.7
	44 Benzene	78	11.988	12.004	(0.930)	1315678	10.0000	9.0
	45 1,2-Dichloroethane	62	12.186	12.208	(0.946)	669545	10.0000	9.3
	46 n-Heptane	43	12.374	12.390	(0.960)	565723	10.0000	8.7
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3120448	10.0000	
	48 n-Butanol	56	13.304	13.342	(1.032)	211591	10.0000	12
	49 Trichloroethene	95	13.369	13.385	(1.037)	914061	10.0000	9.6
	50 1,2-Dichloropropane	63	13.968	13.989	(1.084)	648990	10.0000	9.7
	51 Methyl methacrylate	69	14.155	14.171	(1.098)	588997	10.0000	9.6
	52 Dibromomethane	174	14.230	14.251	(1.104)	1025398	10.0000	9.9
	53 1,4-Dioxane	88	14.192	14.225	(1.101)	261815	10.0000	9.8
	54 Bromodichloromethane	83	14.540	14.556	(1.128)	1564954	10.0000	10
	55 1,3-Dichloropropene (cis)	75	15.508	15.525	(1.203)	1065680	10.0000	10
	56 Methyl isobutyl ketone	43	15.808	15.835	(1.227)	994376	10.0000	9.8
	57 n-Octane	43	16.172	16.183	(1.255)	1037836	10.0000	9.8
	58 Toluene	92	16.108	16.124	(0.846)	1419769	10.0000	9.1
	59 1,3-Dichloropropene (trans)	75	16.718	16.739	(1.297)	1087481	10.0000	10
	60 1,1,2-Trichloroethane	83	17.097	17.119	(0.897)	763226	10.0000	9.5
	61 Tetrachloroethene	166	17.199	17.215	(0.903)	1491275	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)
62	2-Hexanone	43	17.557	17.584	(0.922)	885599	10.0000	11
63	Dibromochloromethane	129	17.868	17.889	(0.938)	1855561	10.0000	9.7
64	1,2-Dibromoethane	107	18.146	18.162	(0.953)	1476712	10.0000	9.9
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3047920	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	2018905	10.0000	9.3
67	n-Nonane	57	19.387	19.403	(1.018)	1165864	10.0000	9.3
68	Ethylbenzene	91	19.264	19.280	(1.011)	3062504	10.0000	9.5
69	Xylene (m,p)	106	19.515	19.532	(1.024)	2453382	20.0000	19
M 70	Xylenes, Total	106				3702889	10.0000	28
71	Xylene (o)	106	20.329	20.345	(1.067)	1249507	10.0000	9.2
72	Styrene	104	20.382	20.393	(1.070)	1817081	10.0000	9.9
73	Bromoform	173	20.773	20.789	(1.090)	2007270	10.0000	10
74	Isopropylbenzene	105	20.971	20.987	(1.101)	3502859	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	21.586	21.602	(1.133)	1941769	10.0000	10
76	n-Propylbenzene	91	21.661	21.671	(1.137)	4010041	10.0000	10
77	1,2,3-Trichloropropane	75	21.682	21.698	(1.138)	1308939	10.0000	9.7
78	n-Decane	57	21.821	21.832	(1.145)	1318629	10.0000	9.6
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	3293220	10.0000	10
80	2-Chlorotoluene	91	21.848	21.864	(1.147)	2702009	10.0000	10
81	1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	2963533	10.0000	9.4
82	Alpha Methyl Styrene	118	22.297	22.308	(1.170)	1486989	10.0000	11
83	tert-butylbenzene	119	22.415	22.431	(1.177)	2898387	10.0000	9.2
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	2913097	10.0000	9.7
85	sec-Butylbenzene	105	22.731	22.741	(1.193)	4262132	10.0000	9.5
86	4-Isopropyltoluene	119	22.929	22.939	(1.204)	3629995	10.0000	9.6
87	1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	1951306	10.0000	10
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	1815124	10.0000	10
89	Benzyl chloride	91	23.303	23.314	(1.223)	1980655	10.0000	12
90	Undecane	57	23.533	23.544	(1.235)	1465526	10.0000	10
91	n-Butylbenzene	91	23.517	23.528	(1.234)	2937399	10.0000	10
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	1973993	10.0000	9.8
93	Dodecane	57	25.186	25.197	(1.322)	1428227	10.0000	11
94	1,2,4-Trichlorobenzene	180	26.256	26.272	(1.378)	993900	10.0000	9.3
95	1,3-Hexachlorobutadiene	225	26.454	26.470	(1.389)	1905524	10.0000	9.3
96	Naphthalene	128	26.780	26.796	(1.406)	2298421	10.0000	8.6
97	1,2,3-Trichlorobenzene	180	27.273	27.289	(1.432)	1150908	10.0000	9.3

Data File: giem003.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 504997
Lab Sample ID: ccvis 504997

Date: 10-JUN-2013 10:57
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 17-MAY-2013 09:46
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 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

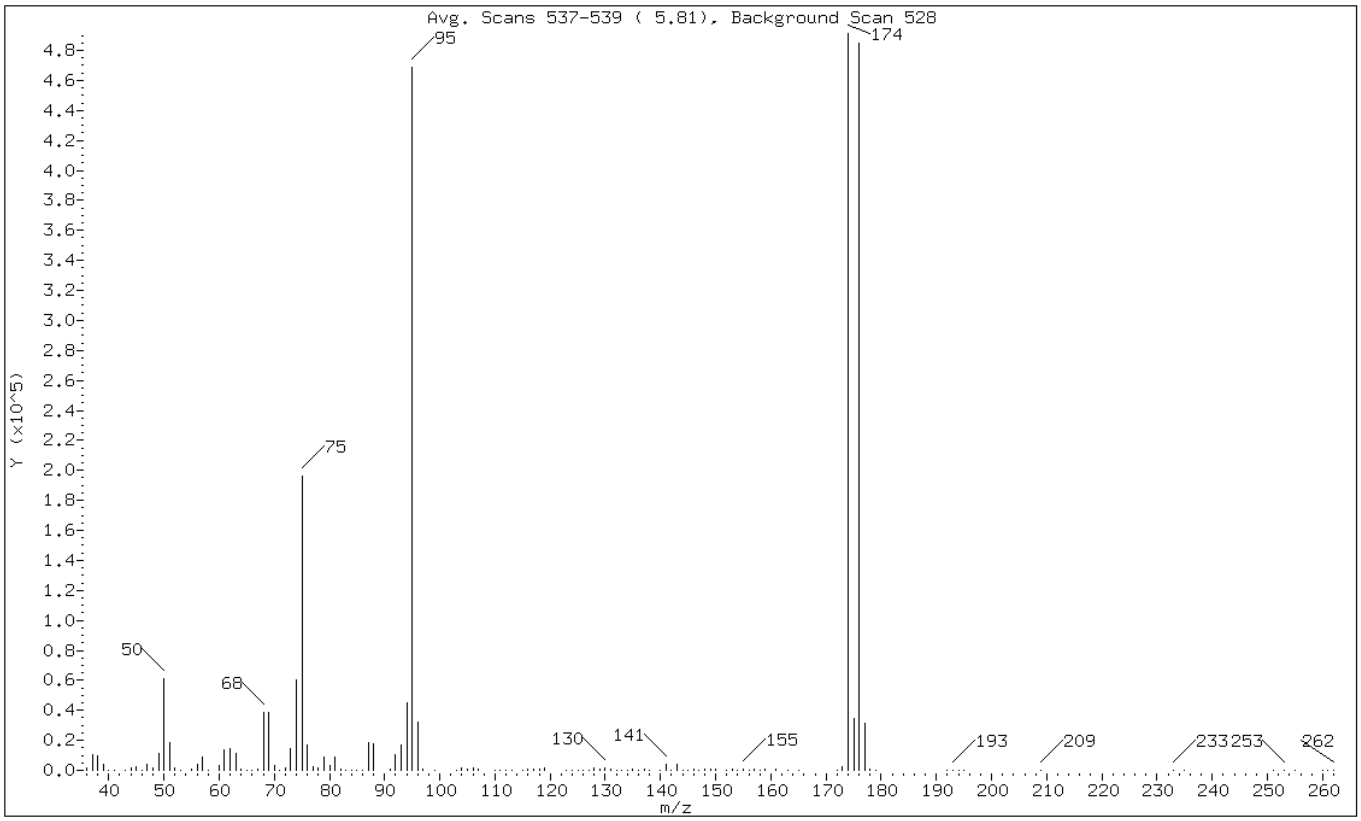
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.809	5.900	-0.091	95	469141			100.00- 100.00	95.50
5.809	5.900	-0.091	50	61164			8.00- 40.00	13.04
5.809	5.900	-0.091	75	196392			30.00- 66.00	41.86
5.809	5.900	-0.091	96	31956			5.00- 9.00	6.81
5.809	5.900	-0.091	173	2167			0.00- 2.00	0.44
5.809	5.900	-0.091	174	491264			50.00- 120.00	104.72
5.809	5.900	-0.091	175	34517			4.00- 9.00	7.03
5.809	5.900	-0.091	176	484949			93.00- 101.00	98.71
5.809	5.900	-0.091	177	31482			5.00- 9.00	6.49

Data File: gie001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 17-MAY-2013 09:46
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	13.04
75	30.00 - 66.00% of mass 95	41.86
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.46 (0.44)
174	50.00 - 120.00% of mass 95	104.72
175	4.00 - 9.00% of mass 174	7.36 (7.03)
176	93.00 - 101.00% of mass 174	103.37 (98.71)
177	5.00 - 9.00% of mass 176	6.71 (6.49)

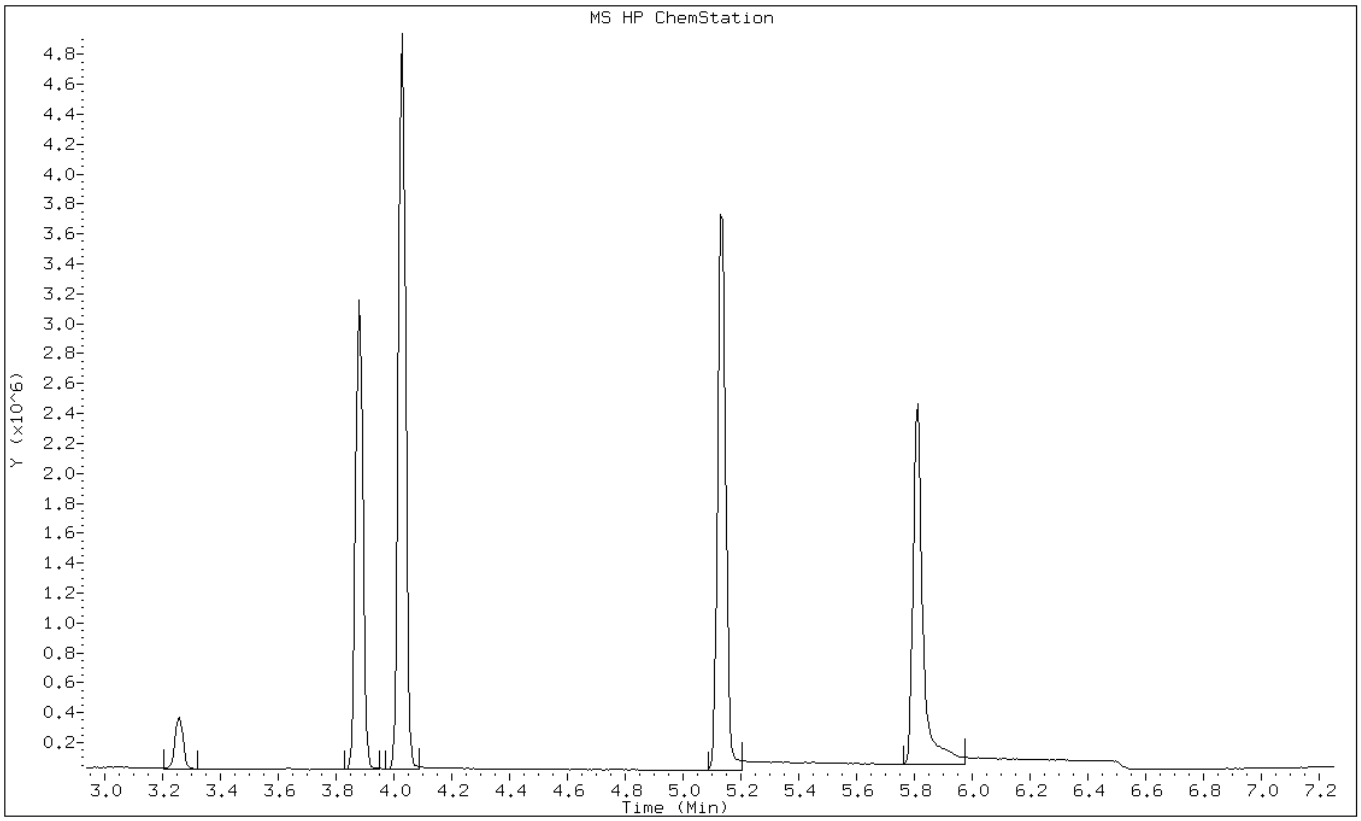
Data File: gie001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 17-MAY-2013 09:46
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gieto15.b/gie001.d
Spectrum: Avg. Scans 537-539 (5.81), Background Scan 528
Location of Maximum: 174.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1980	72.00	1628	113.00	352	152.00	211
37.00	10322	73.00	14522	115.00	316	153.00	411
38.00	9940	74.00	60216	116.00	910	154.00	350
39.00	4252	75.00	196352	117.00	1195	155.00	1203
40.00	199	76.00	17208	118.00	1149	156.00	343
41.00	96	77.00	2302	119.00	1630	157.00	896
43.00	199	78.00	1428	123.00	68	158.00	126
44.00	1226	79.00	8504	124.00	250	159.00	610
45.00	2575	80.00	3489	125.00	254	161.00	592
46.00	54	81.00	9175	126.00	96	163.00	163
47.00	3923	82.00	627	127.00	3	165.00	114
48.00	1413	83.00	70	128.00	1520	172.00	256
49.00	11020	84.00	57	129.00	876	173.00	2167
50.00	61160	85.00	127	130.00	1768	174.00	491264
51.00	18848	86.00	337	131.00	767	175.00	34512
52.00	1306	87.00	18136	132.00	57	176.00	484928
53.00	260	88.00	17512	133.00	5	177.00	31480
55.00	768	91.00	919	134.00	75	178.00	1101
56.00	3944	92.00	10804	135.00	623	179.00	192
57.00	8778	93.00	16600	136.00	57	192.00	71
58.00	305	94.00	45280	137.00	714	193.00	76
60.00	2872	95.00	469120	138.00	63	194.00	64
61.00	14022	96.00	31952	140.00	263	195.00	27
62.00	14545	97.00	986	141.00	4250	209.00	85
63.00	11496	99.00	60	142.00	348	233.00	81
64.00	969	103.00	138	143.00	4173	235.00	56
65.00	179	104.00	1625	144.00	344	251.00	56
66.00	196	105.00	593	145.00	375	253.00	338
67.00	1031	106.00	1607	146.00	794	255.00	219
68.00	38216	107.00	403	147.00	302	260.00	58
69.00	38200	110.00	299	148.00	1128	261.00	124
70.00	2832	111.00	311	149.00	455	262.00	59
71.00	130	112.00	274	150.00	641		

Data File:	gie001.d	Date:	17-MAY-2013 09:46
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/giemto15.b/giem001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-JUN-2013 09:23
Operator : WRD Inst ID: G.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 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

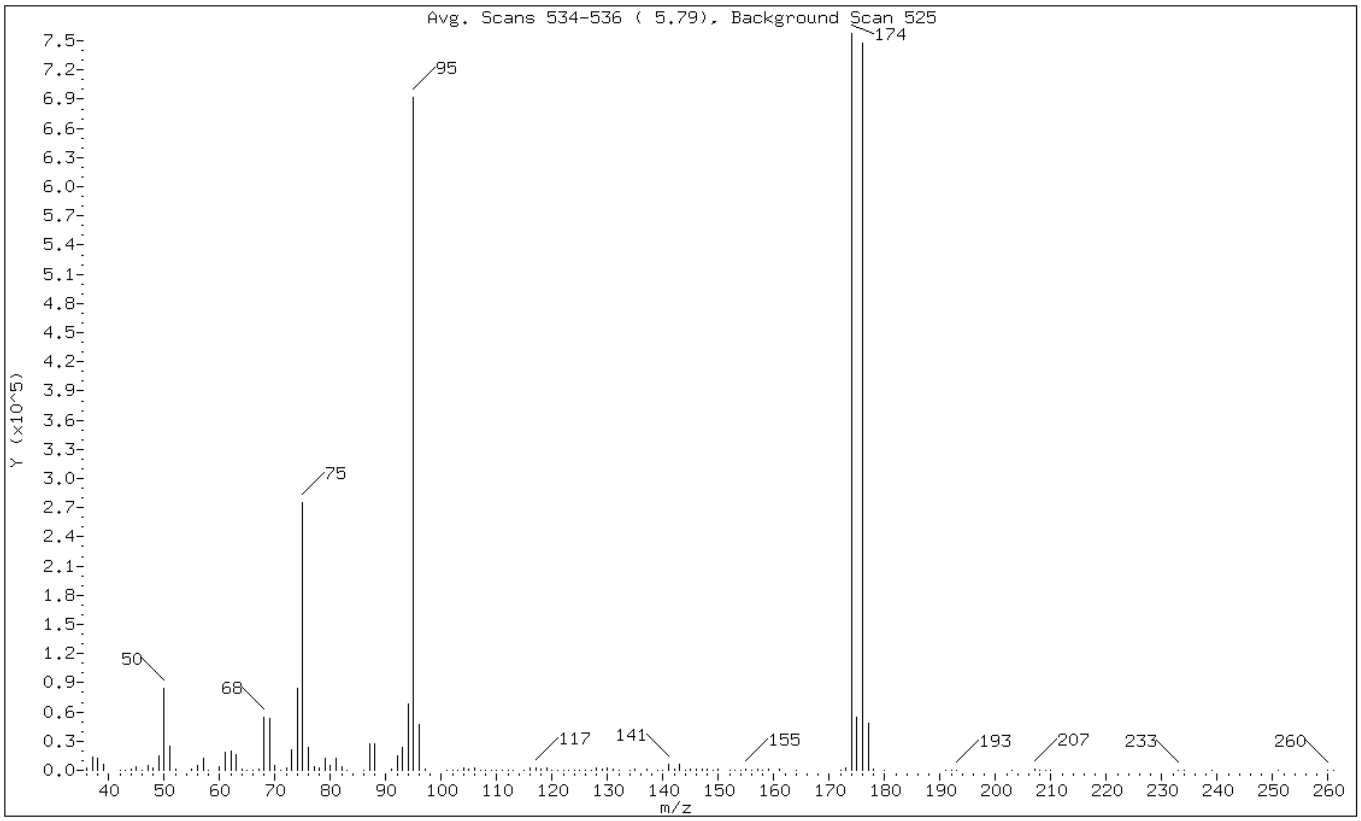
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.793	5.900	-0.107	95	691648			100.00- 100.00	91.29
5.793	5.900	-0.107	50	83709			8.00- 40.00	12.10
5.793	5.900	-0.107	75	275434			30.00- 66.00	39.82
5.793	5.900	-0.107	96	46680			5.00- 9.00	6.75
5.793	5.900	-0.107	173	2996			0.00- 2.00	0.40
5.793	5.900	-0.107	174	757610			50.00- 120.00	109.54
5.793	5.900	-0.107	175	54120			4.00- 9.00	7.14
5.793	5.900	-0.107	176	748137			93.00- 101.00	98.75
5.793	5.900	-0.107	177	48936			5.00- 9.00	6.54

Data File: giem001.d
Client ID: BFB
Operator: WRD
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 10-JUN-2013 09:23
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	12.10
75	30.00 - 66.00% of mass 95	39.82
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.43 (0.40)
174	50.00 - 120.00% of mass 95	109.54
175	4.00 - 9.00% of mass 174	7.82 (7.14)
176	93.00 - 101.00% of mass 174	108.17 (98.75)
177	5.00 - 9.00% of mass 176	7.08 (6.54)

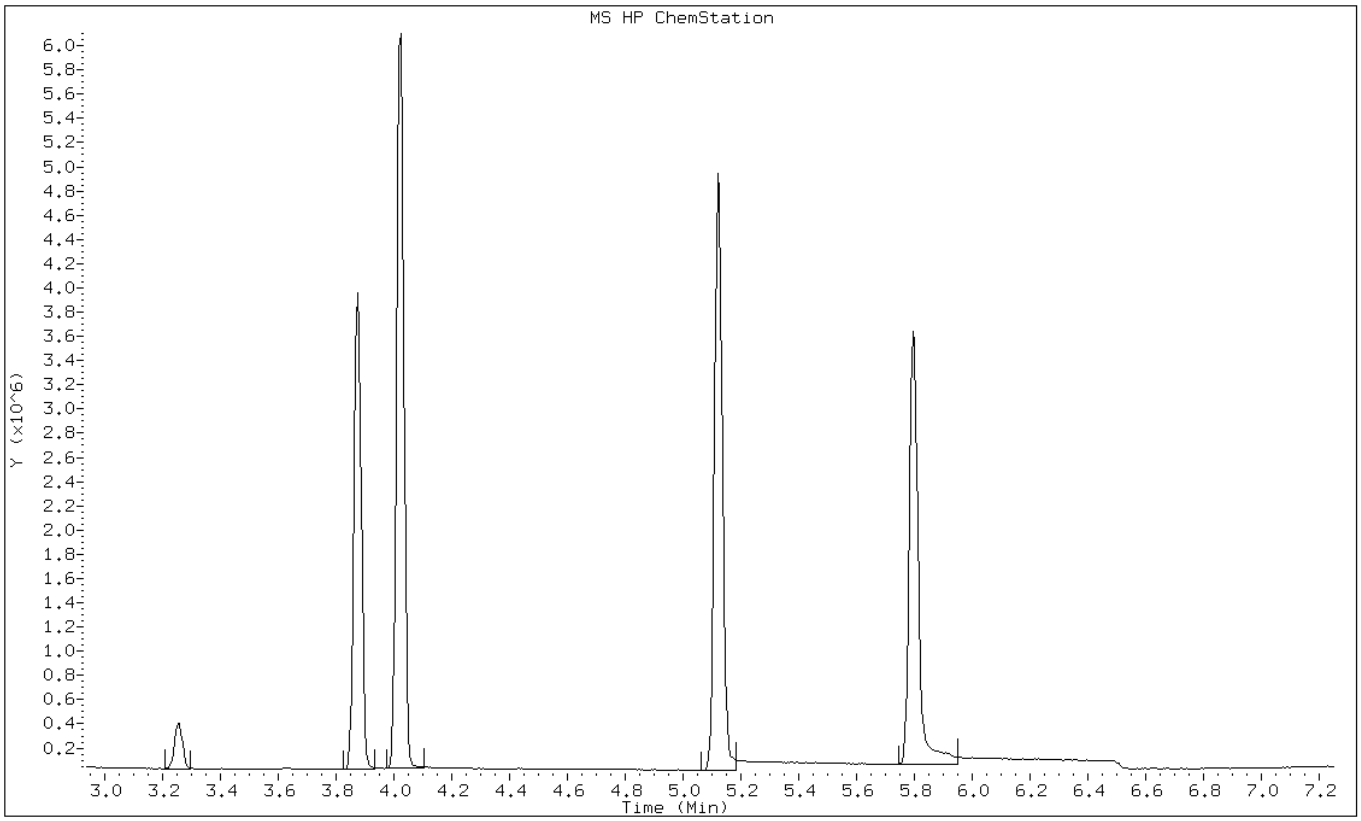
Data File: giem001.d
Client ID: BFB
Operator: WRD
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 10-JUN-2013 09:23
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/giemto15.b/giem001.d
Spectrum: Avg. Scans 534-536 (5.79), Background Scan 525
Location of Maximum: 174.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2464	74.00	84464	115.00	387	152.00	307
37.00	14027	75.00	275392	116.00	2093	153.00	560
38.00	12327	76.00	22960	117.00	2951	154.00	443
39.00	5758	77.00	3650	118.00	1611	155.00	1733
42.00	31	78.00	1967	119.00	2781	156.00	526
43.00	227	79.00	11824	120.00	135	157.00	1420
44.00	1512	80.00	4703	121.00	55	158.00	425
45.00	3748	81.00	12658	122.00	133	159.00	987
46.00	340	82.00	3318	123.00	284	161.00	911
47.00	4716	83.00	204	124.00	409	164.00	58
48.00	2182	86.00	595	125.00	328	172.00	548
49.00	15019	87.00	26936	126.00	294	173.00	2996
50.00	83704	88.00	26848	127.00	68	174.00	757568
51.00	25008	91.00	1496	128.00	2489	175.00	54120
52.00	836	92.00	15456	129.00	1209	176.00	748096
55.00	772	93.00	23840	130.00	2403	177.00	48936
56.00	5468	94.00	68048	131.00	1065	178.00	1671
57.00	11976	95.00	691648	132.00	143	180.00	55
58.00	228	96.00	46680	134.00	247	191.00	101
60.00	3323	97.00	1554	135.00	994	192.00	206
61.00	18232	101.00	64	137.00	941	193.00	261
62.00	19288	102.00	56	139.00	96	203.00	132
63.00	15659	103.00	142	140.00	452	207.00	1198
64.00	1633	104.00	2216	141.00	6002	208.00	184
65.00	399	105.00	1084	142.00	659	209.00	44
66.00	88	106.00	2252	143.00	5969	210.00	121
67.00	1133	107.00	567	144.00	379	233.00	132
68.00	54408	108.00	120	145.00	708	234.00	50
69.00	53896	109.00	137	146.00	1069	239.00	70
70.00	4368	110.00	240	147.00	710	251.00	124
71.00	82	111.00	617	148.00	1650	260.00	229
72.00	2274	112.00	316	149.00	330	261.00	130
73.00	20560	113.00	400	150.00	849		

Data File:	giem001.d	Date:	10-JUN-2013 09:23
Client ID:	BFB	Instrument:	G.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-56885/5

Matrix: Air Lab File ID: giem005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:57

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.20	U	0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.040	U	0.040	0.015
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.50	U	0.50	0.022
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.20	U	0.20	0.016
108-90-7	Chlorobenzene	112.30	0.20	U	0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-56885/5

Matrix: Air Lab File ID: giem005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:57

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	0.75	U	0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.27	U	0.27	0.10
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	2.2	U	2.2	0.096
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.069
1330-20-7	Xylenes, Total	106.17	0.87	U	0.87	0.069
108-90-7	Chlorobenzene	112.30	0.92	U	0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem005.d
Lab Smp Id: mb
Inj Date : 10-JUN-2013 12:57
Operator : WRD Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

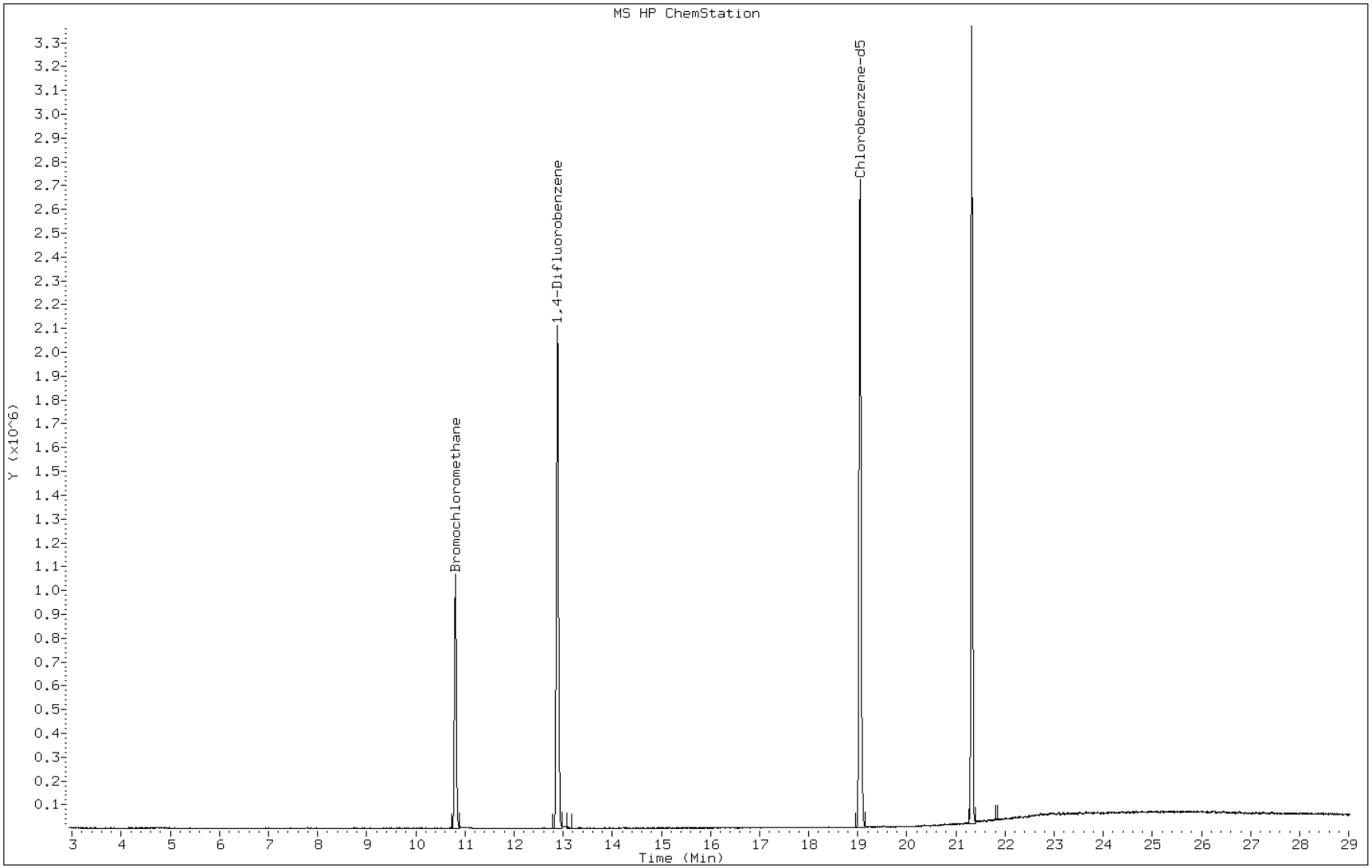
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	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.					
	24 Acetonitrile	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.806	10.828	(1.000)	527784	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	12.887	12.909	(1.000)	3327602	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.045	19.066	(1.000)	3072671	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: giem005.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 10-JUN-2013 12:57
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: LCS 200-56885/4

Matrix: Air Lab File ID: giem004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:10

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	10.3		0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	11.5		0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	10.1		0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	10.6		0.20	0.084
71-43-2	Benzene	78.11	9.29		0.20	0.018
79-01-6	Trichloroethene	131.39	10.3		0.040	0.0092
108-88-3	Toluene	92.14	9.71		0.20	0.014
127-18-4	Tetrachloroethene	165.83	9.46		0.040	0.015
100-41-4	Ethylbenzene	106.17	10.0		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	19.3		0.50	0.022
95-47-6	o-Xylene	106.17	9.55		0.20	0.016
1330-20-7	Xylenes, Total	106.17	28.9		0.20	0.016
108-90-7	Chlorobenzene	112.30	9.81		0.20	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem004.d
Lab Smp Id: lcs 507397
Inj Date : 10-JUN-2013 12:10
Operator : WRD Inst ID: G.i
Smp Info : lcs 507397
Misc Info : 200,1,lcs
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

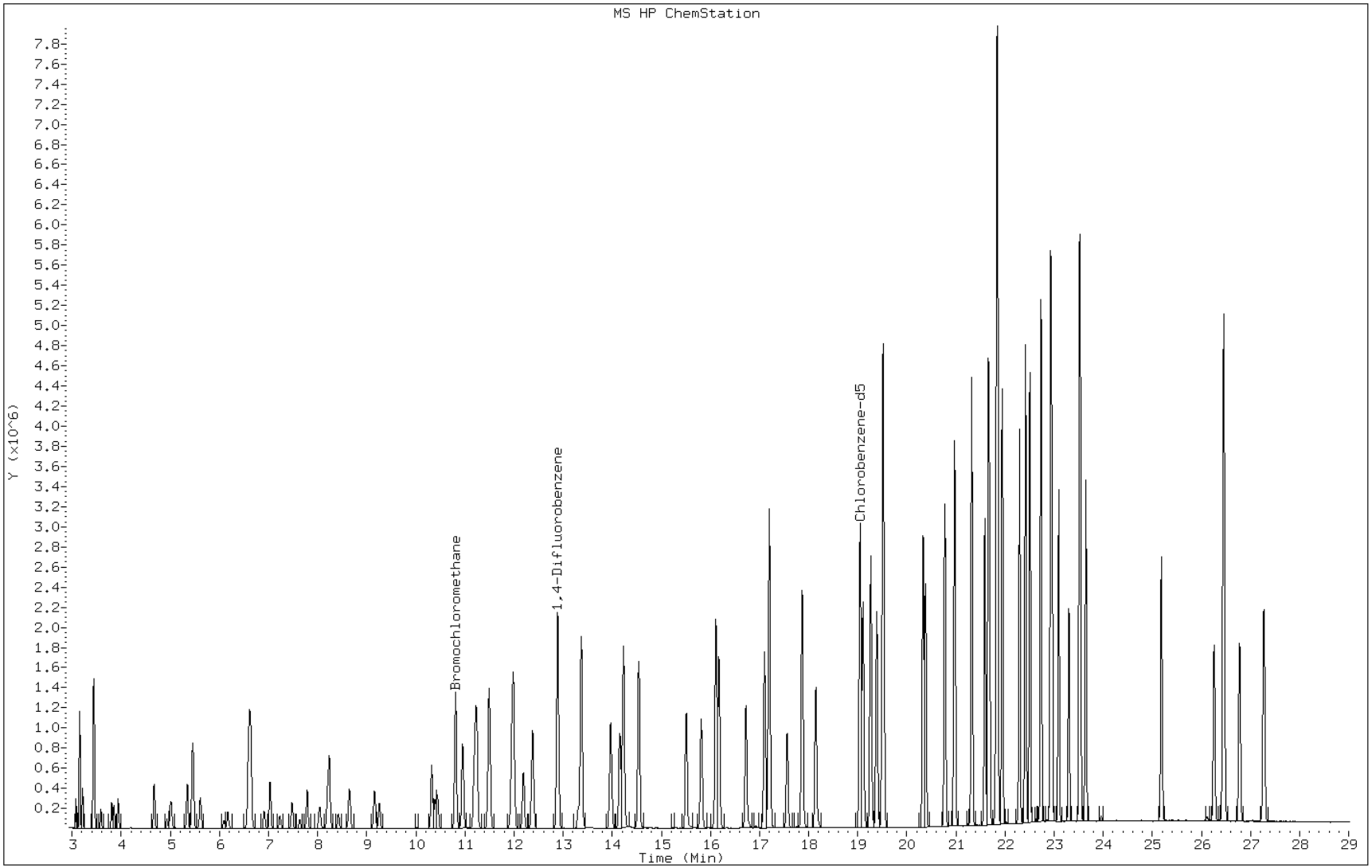
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	3.076	3.081	(0.284)	114357	9.81726	9.8
2	Dichlorodifluoromethane	85	3.151	3.156	(0.291)	999232	11.7235	12
3	Chlorodifluoromethane	51	3.209	3.215	(0.297)	369037	10.5880	11
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.440	3.445	(0.318)	916393	11.3394	11
5	Chloromethane	50	3.584	3.595	(0.331)	176929	10.3009	10
6	Butane	43	3.803	3.814	(0.352)	240421	9.78446	9.8
7	Vinyl chloride	62	3.851	3.862	(0.356)	232419	10.2564	10
8	1,3-Butadiene	54	3.937	3.948	(0.364)	150261	10.3557	10
9	Bromomethane	94	4.670	4.681	(0.432)	314483	10.5872	11
10	Chloroethane	64	4.932	4.943	(0.456)	88609	9.91211	9.9
11	2-Methylbutane	43	5.012	5.018	(0.464)	160372	9.42113	9.4
12	Vinyl bromide	106	5.344	5.355	(0.494)	389574	11.0979	11
13	Trichlorofluoromethane	101	5.456	5.467	(0.505)	1179369	11.4275	11
14	Pentane	43	5.611	5.622	(0.519)	277665	9.44688	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.093	6.120	(0.564)	113923	17.8576	18
16	Ethyl ether	59	6.173	6.184	(0.571)	137236	9.66600	9.7
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.607	6.617	(0.611)	771784	11.7264	12
18	Acrolein	56	6.580	6.596	(0.609)	62702	8.97554	9.0
19	1,1-Dichloroethene	96	6.644	6.655	(0.615)	318277	11.5009	12
20	Acetone	43	6.911	6.928	(0.639)	281811	8.17222	8.2
21	Carbon disulfide	76	7.035	7.040	(0.651)	845413	10.4960	10
22	Isopropanol	45	7.232	7.254	(0.669)	211057	9.73349	9.7
23	Allyl chloride	41	7.479	7.495	(0.692)	199819	9.71092	9.7
24	Acetonitrile	41	7.634	7.655	(0.706)	110019	8.93265	8.9
25	Methylene chloride	49	7.789	7.800	(0.720)	246468	10.4469	10
26	Tert-butyl alcohol	59	8.040	8.062	(0.744)	400165	10.1048	10
27	Methyl tert-butyl ether	73	8.211	8.228	(0.760)	760643	10.6562	11
28	1,2-Dichloroethene (trans)	61	8.244	8.249	(0.762)	362941	10.1359	10
29	Acrylonitrile	53	8.420	8.442	(0.779)	138626	9.84126	9.8
30	n-Hexane	57	8.650	8.656	(0.800)	300220	9.70681	9.7
31	1,1-Dichloroethane	63	9.158	9.174	(0.847)	512263	9.58904	9.6
32	Vinyl acetate	43	9.260	9.271	(0.856)	503585	9.60692	9.6
M 33	1,2-Dichloroethene,Total	61				817004	20.7856	21
34	1,2-Dichloroethene (cis)	96	10.325	10.341	(0.955)	454063	10.6496	11
35	Ethyl acetate	88	10.442	10.464	(0.966)	25248	10.1416	10
36	Methyl Ethyl Ketone	72	10.394	10.416	(0.961)	149262	8.37868	8.4
* 37	Bromochloromethane	128	10.811	10.828	(1.000)	525361	10.0000	
38	Tetrahydrofuran	42	10.806	10.833	(0.839)	257288	9.45164	9.5
39	Chloroform	83	10.956	10.972	(1.013)	1063947	10.6946	11
40	Cyclohexane	84	11.191	11.207	(0.868)	534744	9.29115	9.3
41	1,1,1-Trichloroethane	97	11.234	11.250	(0.872)	1305391	10.3410	10
42	Carbon tetrachloride	117	11.491	11.507	(0.892)	1629143	10.1173	10
43	2,2,4-Trimethylpentane	57	11.962	11.978	(0.928)	1789235	9.21402	9.2
44	Benzene	78	11.988	12.004	(0.930)	1446739	9.28871	9.3
45	1,2-Dichloroethane	62	12.192	12.208	(0.946)	752769	9.85529	9.9
46	n-Heptane	43	12.379	12.390	(0.961)	624239	9.07478	9.1
* 47	1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3312006	10.0000	
48	n-Butanol	56	13.310	13.342	(1.033)	176084	9.18824	9.2
49	Trichloroethene	95	13.369	13.385	(1.037)	1035474	10.2961	10
50	1,2-Dichloropropane	63	13.968	13.989	(1.084)	710580	10.0335	10
51	Methyl methacrylate	69	14.150	14.171	(1.098)	665775	10.2589	10
52	Dibromomethane	174	14.230	14.251	(1.104)	1217543	11.0814	11
53	1,4-Dioxane	88	14.198	14.225	(1.102)	307869	10.8084	11
54	Bromodichloromethane	83	14.540	14.556	(1.128)	1830812	11.2676	11
55	1,3-Dichloropropene (cis)	75	15.508	15.525	(1.203)	1186492	10.5041	11
56	Methyl isobutyl ketone	43	15.813	15.835	(1.227)	1124296	10.4300	10
57	n-Octane	43	16.172	16.183	(1.255)	1119645	9.92388	9.9
58	Toluene	92	16.108	16.124	(0.846)	1615485	9.70852	9.7
59	1,3-Dichloropropene (trans)	75	16.723	16.739	(1.298)	1177036	10.6534	11
60	1,1,2-Trichloroethane	83	17.103	17.119	(0.898)	819208	9.58476	9.6
61	Tetrachloroethene	166	17.199	17.215	(0.903)	1735226	9.46071	9.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.563	17.584	(0.922)	934844	10.7013	11
	63 Dibromochloromethane	129	17.868	17.889	(0.938)	2216112	10.8954	11
	64 1,2-Dibromoethane	107	18.146	18.162	(0.953)	1608459	10.1491	10
*	65 Chlorobenzene-d5	117	19.050	19.066	(1.000)	3251635	10.0000	
	66 Chlorobenzene	112	19.109	19.125	(1.003)	2263769	9.81093	9.8
	67 n-Nonane	57	19.387	19.403	(1.018)	1267631	9.51442	9.5
	68 Ethylbenzene	91	19.264	19.280	(1.011)	3448942	10.0456	10
	69 Xylene (m,p)	106	19.515	19.532	(1.024)	2721349	19.3338	19
M	70 Xylenes, Total	106				4102328	28.8878	29
	71 Xylene (o)	106	20.334	20.345	(1.067)	1380979	9.55406	9.6
	72 Styrene	104	20.382	20.393	(1.070)	1996001	10.1933	10
	73 Bromoform	173	20.773	20.789	(1.090)	2312034	11.1359	11
	74 Isopropylbenzene	105	20.970	20.987	(1.101)	3976941	9.95939	10
	75 1,1,2,2-Tetrachloroethane	83	21.586	21.602	(1.133)	2004202	9.65254	9.7
	76 n-Propylbenzene	91	21.661	21.671	(1.137)	4433255	10.3203	10
	77 1,2,3-Trichloropropane	75	21.682	21.698	(1.138)	1409177	9.81738	9.8
	78 n-Decane	57	21.821	21.832	(1.145)	1389885	9.51819	9.5
	79 4-Ethyltoluene	105	21.842	21.853	(1.147)	3634650	10.4048	10
	80 2-Chlorotoluene	91	21.848	21.864	(1.147)	2976741	10.3154	10
	81 1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	3253973	9.69843	9.7
	82 Alpha Methyl Styrene	118	22.292	22.308	(1.170)	1635785	11.5972	12
	83 tert-butylbenzene	119	22.415	22.431	(1.177)	3290811	9.78342	9.8
	84 1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	3121303	9.69241	9.7
	85 sec-Butylbenzene	105	22.731	22.741	(1.193)	4725321	9.83158	9.8
	86 4-Isopropyltoluene	119	22.928	22.939	(1.204)	4033787	9.97270	10
	87 1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	2003767	9.82696	9.8
	88 1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	1850410	9.89766	9.9
	89 Benzyl chloride	91	23.298	23.314	(1.223)	1967798	10.9028	11
	90 Undecane	57	23.533	23.544	(1.235)	1537410	10.0842	10
	91 n-Butylbenzene	91	23.512	23.528	(1.234)	3135695	10.4630	10
	92 1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	1993131	9.27427	9.3
	93 Dodecane	57	25.186	25.197	(1.322)	1347762	9.42095	9.4
	94 1,2,4-Trichlorobenzene	180	26.256	26.272	(1.378)	996541	8.69981	8.7
	95 1,3-Hexachlorobutadiene	225	26.454	26.470	(1.389)	1925514	8.84362	8.8
	96 Naphthalene	128	26.775	26.796	(1.406)	2563106	8.95040	9.0
	97 1,2,3-Trichlorobenzene	180	27.272	27.289	(1.432)	1339860	10.1491	10

Data File: giem004.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 507397
Lab Sample ID: lcs 507397

Date: 10-JUN-2013 12:10
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: GIE	Start Date: 5/17/13 Time: 0946	ISTD Container ID: 248062	Instrument ID: G
Test Method: TO15	End Date: 5/18/13 Time: 0946	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 5/17/13		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.*

Bradley W. Chiquin Paul Daigle
PAD

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
0946	GIE 001	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
1032	002	4633	VIBLK	N/A	1	200	PAD	✓	✓	PAD	
1122	003	4943	IC-08	N/A	2	40	PAD	N/A	✓	PAD	491727
1212	004	4943	IC-01	N/A	2	200	PAD	N/A	✓	PAD	491727
1302	005	5464	IC-02	N/A	3	200	PAD	N/A	✓	PAD	491513
1352	006	5465	IC-03	N/A	4	200	PAD	N/A	✓	PAD	491510
1442	007	5447	ICIS-04	N/A	5	200	PAD	N/A	✓	PAD	491496
1532	008	3646	IC-05	N/A	6	200	PAD	N/A	✓	PAD	491507
1622	009	3535	IC-06	N/A	7	200	PAD	N/A	✓	PAD	491499
1712	010	3503	IC-07	N/A	8	200	PAD	N/A	✓	PAD	491500
1801	011	4633	VIBLK	N/A	1	200	PAD	✓	✓	PAD	
1851	012	4633	~~ICV~~ VIBLK	N/A	1	200	PAD	✓	✓	PAD	
1941	013	5414	ICV	N/A	9	200	PAD	✓	↑	PAD	R
2031	014	4633	VIBLK	N/A	1	200	PAD	✓	✓	PAD	
2121	015	5414	ICV	N/A	9	200	PAD	✓	✓	PAD	AG 489438
2211	016	4633	VIBLK	N/A	1	200	PAD	✓	✓	PAD	

5/20/13 PAD 5/20/13

PAD 5/20/13

Legend: C=Complete • ~~R=Reanalyze~~ • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: GIEM	Start Date: 6/10/13	Time: 0923	ISTD Container ID: 248CX62	Instrument ID: G
Test Method: TO15	End Date: 6/10/13	Time: 0923	CCV Container ID: 504997	Instrument: 5973
ICAL Date: 55724			ICV/LCS Container ID: 507397	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
0923	GIEM01	N/A	BFB	N/A			BC	—	✓	BC	
1010	02	3155	CCV-X		1	200		—	R		R-Valve Closed
1057	03	3158	CCV15		1			—	✓		All Good
1210	04	3643	LCS		2			✓	✓		
1257	05	12683	MB		3			✓	✓		
1344	06		16830-2	10	4	20		✓	✓		
1431	07	5111	16886-1	1	5	200		✓	✓		
1519	08	5027	-2		6			✓	✓		
1605	09	4150	-3		7			✓	✓		
1652	10	4307	-4		8			✓	✓		
1739	11	4356	16858-10	10	9	20		✓	✓		
1826	12	4258	-11		10			✓	✓		
1913	13	5127	-12		11			✓	✓		
2000	14	5129	16882-01	1	12	200		✓	✓		
2047	15	3029	-02		13			✓	✓		
2134	16	4559	-03		14			✓	✓		
2221	17	4159	16881-01		15			✓	✓		
2308	18	3337	-02		16			✓	✓		
2355	19	4072	-03		1			✓	✓		
0042	20	5084	-04		2			✓	✓		
0129	21	6356	16868-01		3			✓	✓		
0216	22	7485	-02		4			✓	✓		
0303	23	6587	-03		5			✓	✓		
0350	24	12272	-04		6			✓	✓		
0447	25	4912	16905-9	0.2	7	1000	WRD	✓	✓		
0545	26	4297	16912-11		8	1000		✓	✓		ACE, MeCl2, Ethanol, TCFM, Chloroeth, CDFM, DCDFM↑
0841	27	3635	16906-8		9	1000		✓	✓		←BTEX + STYRENE-OK

BC 6/11/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Start Date: 05/17/2013 09:46

Analysis Batch Number: 55724 End Date: 05/17/2013 22:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-55724/1		05/17/2013 09:46	1	gie001.d	RTX-624 0.32(mm)
VIBLK 200-55724/2		05/17/2013 10:32	1		RTX-624 0.32(mm)
IC 200-55724/3		05/17/2013 11:22	1	gie003.d	RTX-624 0.32(mm)
IC 200-55724/4		05/17/2013 12:12	1	gie004.d	RTX-624 0.32(mm)
IC 200-55724/5		05/17/2013 13:02	1	gie005.d	RTX-624 0.32(mm)
IC 200-55724/6		05/17/2013 13:52	1	gie006.d	RTX-624 0.32(mm)
ICIS 200-55724/7		05/17/2013 14:42	1	gie007.d	RTX-624 0.32(mm)
IC 200-55724/8		05/17/2013 15:32	1	gie008.d	RTX-624 0.32(mm)
IC 200-55724/9		05/17/2013 16:22	1	gie009.d	RTX-624 0.32(mm)
IC 200-55724/10		05/17/2013 17:12	1	gie010.d	RTX-624 0.32(mm)
VIBLK 200-55724/11		05/17/2013 18:01	1		RTX-624 0.32(mm)
VIBLK 200-55724/12		05/17/2013 18:51	1		RTX-624 0.32(mm)
ICV 200-55724/13		05/17/2013 19:41	1		RTX-624 0.32(mm)
VIBLK 200-55724/14		05/17/2013 20:31	1		RTX-624 0.32(mm)
ICV 200-55724/15		05/17/2013 21:21	1	gie015.d	RTX-624 0.32(mm)
VIBLK 200-55724/16		05/17/2013 22:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Start Date: 06/10/2013 09:23

Analysis Batch Number: 56885 End Date: 06/11/2013 08:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56885/1		06/10/2013 09:23	1	giem001.d	RTX-624 0.32(mm)
CCVIS 200-56885/2		06/10/2013 10:10	1		RTX-624 0.32(mm)
CCVIS 200-56885/3		06/10/2013 10:57	1	giem003.d	RTX-624 0.32(mm)
LCS 200-56885/4		06/10/2013 12:10	1	giem004.d	RTX-624 0.32(mm)
MB 200-56885/5		06/10/2013 12:57	1	giem005.d	RTX-624 0.32(mm)
ZZZZZ		06/10/2013 13:44	10		RTX-624 0.32(mm)
200-16861-1	SV40811-053013	06/10/2013 14:31	1	giem007.d	RTX-624 0.32(mm)
200-16861-2	SV40771-053013	06/10/2013 15:19	1	giem008.d	RTX-624 0.32(mm)
200-16861-3	SV40812-053013	06/10/2013 16:05	1	giem009.d	RTX-624 0.32(mm)
200-16861-4	SV40772-053013	06/10/2013 16:52	1	giem010.d	RTX-624 0.32(mm)
ZZZZZ		06/10/2013 17:39	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 18:26	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 19:13	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 20:00	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 20:47	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 21:34	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 22:21	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 23:08	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 23:55	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 00:42	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 01:29	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 02:16	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 03:03	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 03:50	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 04:47	0.2		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 05:45	0.2		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 08:41	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Walker + Coke	200-16861	6/7/13	1030	29.4	22	611	BL

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) MA MCP: Check return flow rate for flow controllers	N/A		
(4) 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
16861-1	5111	-4.5	N	4612	Y	5111 CLQH	N/A
-2	5027	-5.4		4977	Y	5027 CLQH	
-3	4150	-5.5		4603	Y	4150 CLQH	
-4	4307	-4.7		4630	Y	4307 CLQH	
-5	3275	-4.4		5000	Y	3275 CLQH	
-6	4305	-7.8		4514	Y	4305 CLQH	
-7	3236	-5.3		5237	Y	3236 CLQH	

BL 6/7/13

[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 # N/A

200-16615-A-1
3236
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-601220

Loc: 200
16615
#1
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	5/23/13	S	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: G8	Gauge ID: G8 / G8
1	3236	-29.8	-30.0	-30.0	0.0	Date: 5/24/13	Date: 5/28/13 / 5/29/13
2	4305					Time: 1043	Time: 1644 / 1220
3	5027					Tech: ANI	Tech: C / C
4	4307					BP: 29.2 ("Hg)	BP: 29.5 / -30.0 ("Hg)
5	3275					Temp 22 (°C)	Temp: 22 / 22 (°C)
6	4150					[3]Acceptance Criteria:	
7	5111					(1) The difference must be less than or equal to + 0.5	
8	4554		-30.1	-30.0	0.0	(2) Pressure readings must be at least 24 hours apart.	
9	3534		Reclean			If time frame was not met, the PM must authorize shipment of canister:	
10	5021		-30.0	-30.0	0.0	*PM Authorization:*	
11	2945						
12	5164					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
3236	5/24/13	CLQH	WM		✓				5/29/13	PAD
4305					✓					
5027					✓					
4307					✓					
3275					✓					
4150					✓					
5111					✓					
4554	5/28/13	CLQI								
3534	Reclean									
5021	5/28/13	CLQI	WM		✓					
2945					✓					
5164					✓					

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 ALL For Routine .04ppb

BR-FAI023.10.19.09.7
TestAmerica

200-16615-A-2
4305
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501221

Loc: 200
16615
#2
A

200-16615-A-3
5027
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501222

Loc: 200
16615
#3
A

200-16615-A-4
4307
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501223

Loc: 200
16615
#4
A

200-16615-A-5
3275
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501224

Loc: 200
16615
#5
A

200-16615-A-6
4160
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501225

Loc: 200
16615
#6
A

200-16615-A-7
5111
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501226

Loc: 200
16615
#7
A

200-16615-A-8
4554
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501227

Loc: 200
16615
#8
A

200-16615-A-9
3534
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501228

Loc: 200
16615
#9
A

200-16615-A-10
5021
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501229

Loc: 200
16615
#10
A

200-16615-A-11
2945
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501230

Loc: 200
16615
#11
A

200-16615-A-12
5164
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501231

Loc: 200
16615
#12
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqi03.d

Lab ID: LCS 200-56146/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.2	112	70-130	
Dichlorodifluoromethane	10.0	11.3	113	70-130	
Freon 22	10.0	11.1	111	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	10.3	103	70-130	
n-Butane	10.0	10.5	105	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	11.1	111	70-130	
Bromomethane	10.0	9.69	97	70-130	
Chloroethane	10.0	9.84	98	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	11.2	112	70-130	
Ethanol	15.0	18.1	120	70-130	
Freon TF	10.0	11.4	114	70-130	
1,1-Dichloroethene	10.0	11.2	112	70-130	
Acetone	10.0	11.4	114	70-130	
Isopropyl alcohol	10.0	10.7	107	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	11.0	110	70-130	
Methylene Chloride	10.0	11.3	113	70-130	
tert-Butyl alcohol	10.0	10.9	110	70-130	
Methyl tert-butyl ether	10.0	10.2	102	70-130	
trans-1,2-Dichloroethene	10.0	11.1	111	70-130	
n-Hexane	10.0	10.6	106	70-130	
1,1-Dichloroethane	10.0	10.7	107	70-130	
Vinyl acetate	10.0	9.52	95	70-130	
Ethyl acetate	10.0	9.76	98	70-130	
Methyl Ethyl Ketone	10.0	9.33	93	70-130	
cis-1,2-Dichloroethene	10.0	10.6	106	70-130	
Chloroform	10.0	11.1	111	70-130	
Tetrahydrofuran	10.0	11.3	113	70-130	
1,1,1-Trichloroethane	10.0	12.5	125	70-130	
Cyclohexane	10.0	11.5	115	70-130	
Carbon tetrachloride	10.0	12.6	126	70-130	
2,2,4-Trimethylpentane	10.0	12.0	120	70-130	
Benzene	10.0	11.2	112	70-130	
1,2-Dichloroethane	10.0	12.9	129	70-130	
n-Heptane	10.0	12.3	123	70-130	
Trichloroethene	10.0	11.4	114	70-130	
Methyl methacrylate	10.0	11.1	111	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqi03.d

Lab ID: LCS 200-56146/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	12.7	127	70-130	
cis-1,3-Dichloropropene	10.0	11.2	112	70-130	
methyl isobutyl ketone	10.0	13.7	137	70-130	*
Toluene	10.0	11.4	114	70-130	
trans-1,3-Dichloropropene	10.0	11.4	114	70-130	
1,1,2-Trichloroethane	10.0	11.1	111	70-130	
Tetrachloroethene	10.0	12.2	122	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	14.7	147	70-130	*
Dibromochloromethane	10.0	13.5	135	70-130	*
1,2-Dibromoethane	10.0	11.9	120	70-130	
Chlorobenzene	10.0	11.4	114	70-130	
Ethylbenzene	10.0	11.5	115	70-130	
m,p-Xylene	20.0	22.4	112	70-130	
Xylene, o-	10.0	11.1	111	70-130	
Styrene	10.0	12.2	122	70-130	
Bromoform	10.0	12.9	129	70-130	
Cumene	10.0	11.7	117	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	11.9	119	70-130	
4-Ethyltoluene	10.0	12.3	123	70-130	
1,3,5-Trimethylbenzene	10.0	11.9	119	70-130	
2-Chlorotoluene	10.0	12.3	123	70-130	
tert-Butylbenzene	10.0	11.9	119	70-130	
1,2,4-Trimethylbenzene	10.0	11.9	119	70-130	
sec-Butylbenzene	10.0	11.9	119	70-130	
4-Isopropyltoluene	10.0	12.7	127	70-130	
1,3-Dichlorobenzene	10.0	11.2	112	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	12.8	128	70-130	
n-Butylbenzene	10.0	13.1	132	70-130	*
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	11.9	119	70-130	
Hexachlorobutadiene	10.0	12.4	124	70-130	
Naphthalene	10.0	12.3	123	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqh03.d

Lab ID: LCS 200-56177/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.9	109	70-130	
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Freon 22	10.0	10.9	109	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70-130	
Chloromethane	10.0	10.2	102	70-130	
n-Butane	10.0	10.4	104	70-130	
Vinyl chloride	10.0	10.2	102	70-130	
1,3-Butadiene	10.0	11.0	110	70-130	
Bromomethane	10.0	9.65	97	70-130	
Chloroethane	10.0	9.88	99	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	11.0	110	70-130	
Ethanol	15.0	18.5	123	70-130	
Freon TF	10.0	11.4	114	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	12.3	123	70-130	
Isopropyl alcohol	10.0	10.3	103	70-130	
Carbon disulfide	10.0	10.2	102	70-130	
3-Chloropropene	10.0	10.9	109	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	10.5	106	70-130	
Vinyl acetate	10.0	11.1	111	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	9.63	96	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.9	109	70-130	
1,1,1-Trichloroethane	10.0	11.1	111	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	11.2	112	70-130	
2,2,4-Trimethylpentane	10.0	10.6	106	70-130	
Benzene	10.0	10.1	101	70-130	
1,2-Dichloroethane	10.0	11.5	115	70-130	
n-Heptane	10.0	10.8	108	70-130	
Trichloroethene	10.0	10.0	100	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.0	100	70-130	
1,4-Dioxane	10.0	8.96	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqh03.d

Lab ID: LCS 200-56177/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.7	117	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	11.8	118	70-130	
Toluene	10.0	9.73	97	70-130	
trans-1,3-Dichloropropene	10.0	11.3	113	70-130	
1,1,2-Trichloroethane	10.0	9.33	93	70-130	
Tetrachloroethene	10.0	9.62	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.0	110	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.55	95	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	19.8	99	70-130	
Xylene, o-	10.0	9.80	98	70-130	
Styrene	10.0	10.8	108	70-130	
Bromoform	10.0	11.2	112	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.29	93	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.6	106	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	10.0	100	70-130	
sec-Butylbenzene	10.0	10.2	102	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	9.60	96	70-130	
1,4-Dichlorobenzene	10.0	9.47	95	70-130	
Benzyl chloride	10.0	10.5	105	70-130	
n-Butylbenzene	10.0	10.7	107	70-130	
1,2-Dichlorobenzene	10.0	9.23	92	70-130	
1,2,4-Trichlorobenzene	10.0	9.06	91	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	9.30	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqi04.d Lab Sample ID: MB 200-56146/4

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

Instrument ID: C.i Date Analyzed: 05/28/2013 11:48

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 200-56146/3	clqi03.d	05/28/2013 10:55
4554	200-16615-8	clqi13.d	05/28/2013 19:54
5021	200-16615-10	clqi15.d	05/28/2013 21:42
2945	200-16615-11	clqi24.d	05/29/2013 05:35
5164	200-16615-12	clqi25.d	05/29/2013 06:30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56146/4

Matrix: Air Lab File ID: clqi04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/28/2013 11:48

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.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-56146/4

Matrix: Air | Lab File ID: clqi04.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 05/28/2013 11:48

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.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56146/4

Matrix: Air Lab File ID: clqi04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/28/2013 11:48

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.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clqito15.b/clqi04.d
Lab Smp Id: mb
Inj Date : 28-MAY-2013 11:48
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.375)	1289	0.05105	0.051(a)
6	Butane	43	4.382	4.387	(0.397)	4962	0.11269	0.11(a)
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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

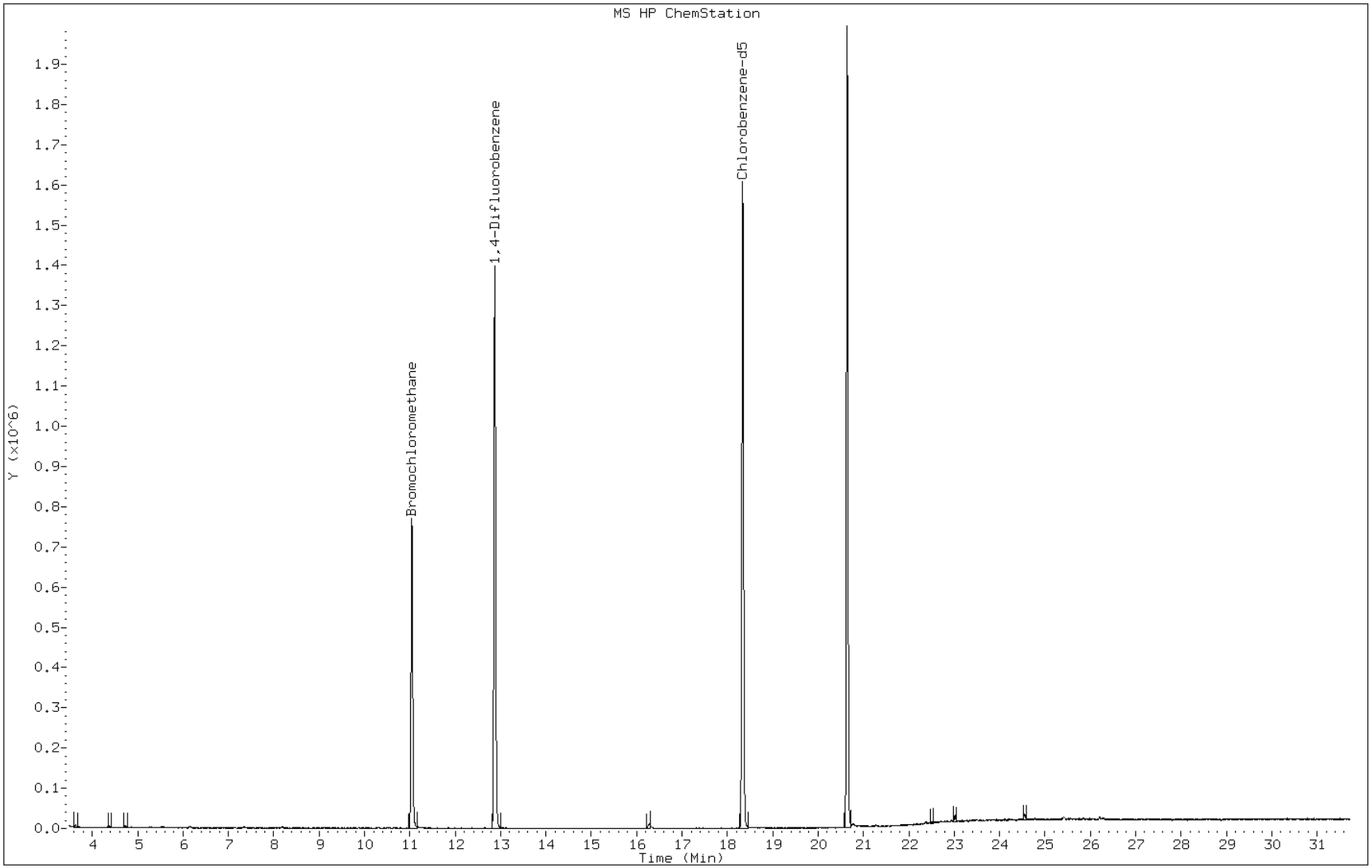
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.344	7.328	(0.665)	7389	0.21098	0.21(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	8.182	8.198	(0.741)	3189	0.10314	0.10(aM)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	282960	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	12.873	12.883	(1.000)	1596998	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.338	18.348	(1.000)	1406026	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	23.013	23.018	(1.255)	4992	0.08832	0.088(a)
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	25.420	25.425	(1.386)	2379	0.05289	0.053(a)
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	clqi04.d	Date:	28-MAY-2013 11:48
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		



Manual Integration Report

Data File: clqi04.d
Lab Sample ID: mb
Inj. Date and Time: 28-MAY-2013 11:48
Instrument ID: C.i
Client ID:
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

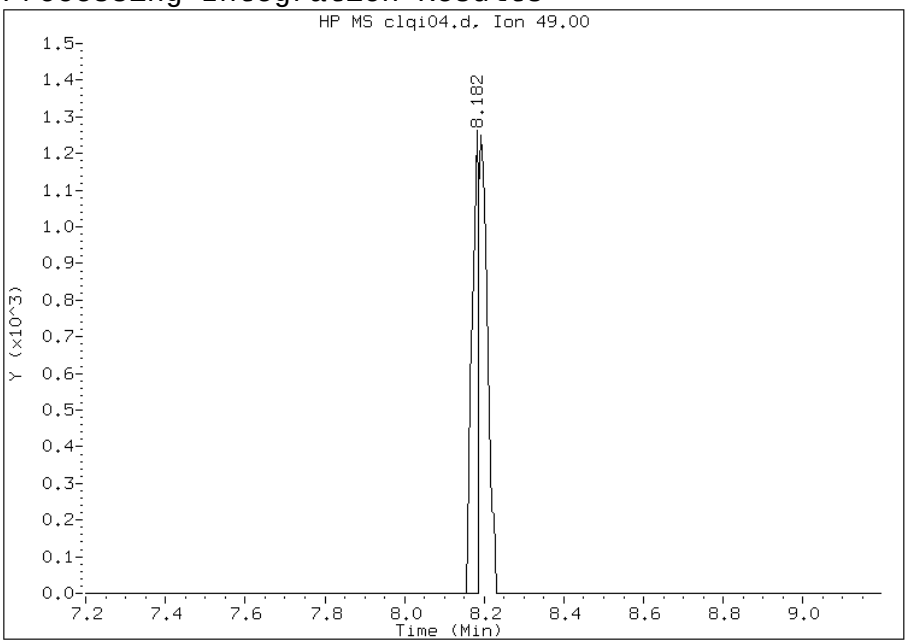
Processing Integration Results

RT: 8.18

Response: 1605

Amount: 0.051895

Conc: 0.051895



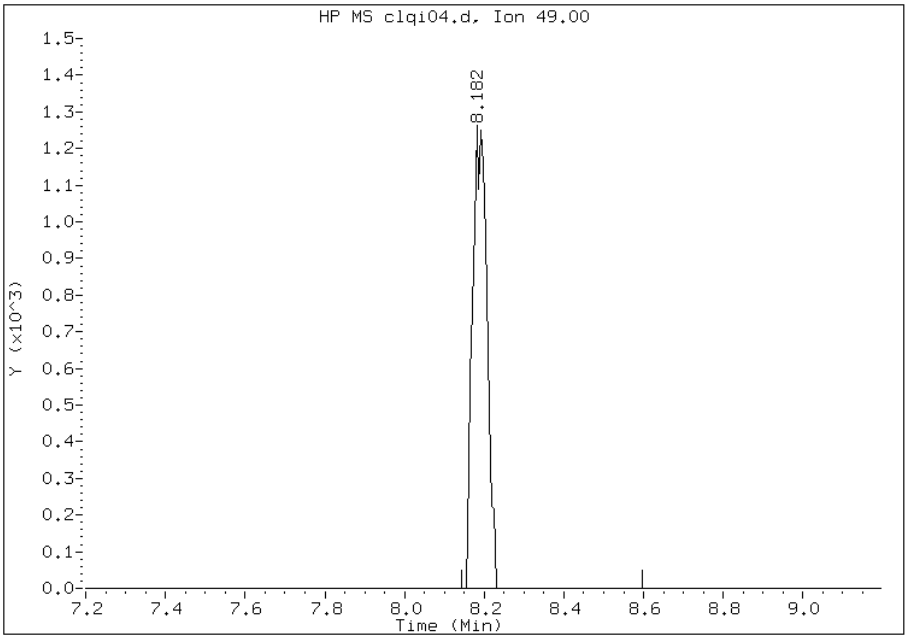
Manual Integration Results

RT: 8.18

Response: 3189

Amount: 0.103141

Conc: 0.103141



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqh04.d Lab Sample ID: MB 200-56177/4

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

Instrument ID: C.i Date Analyzed: 05/24/2013 11:39

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 200-56177/3	clqh03.d	05/24/2013 10:47
3236	200-16615-1	clqh20.d	05/25/2013 01:41
4305	200-16615-2	clqh21.d	05/25/2013 02:36
5027	200-16615-3	clqh22.d	05/25/2013 03:30
4307	200-16615-4	clqh25.d	05/25/2013 06:14
3275	200-16615-5	clqh26.d	05/25/2013 07:08
4150	200-16615-6	clqh27.d	05/25/2013 08:02
5111	200-16615-7	clqh28.d	05/25/2013 08:55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56177/4

Matrix: Air Lab File ID: clqh04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/24/2013 11:39

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.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-56177/4

Matrix: Air | Lab File ID: clqh04.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 05/24/2013 11:39

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.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56177/4

Matrix: Air Lab File ID: clqh04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/24/2013 11:39

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.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clqhto15.b/clqh04.d
Lab Smp Id: mb
Inj Date : 24-MAY-2013 11:39
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.374)	1152	0.04468	0.045(aQ)
6	Butane	43	4.382	4.387	(0.397)	4274	0.09500	0.095(a)
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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

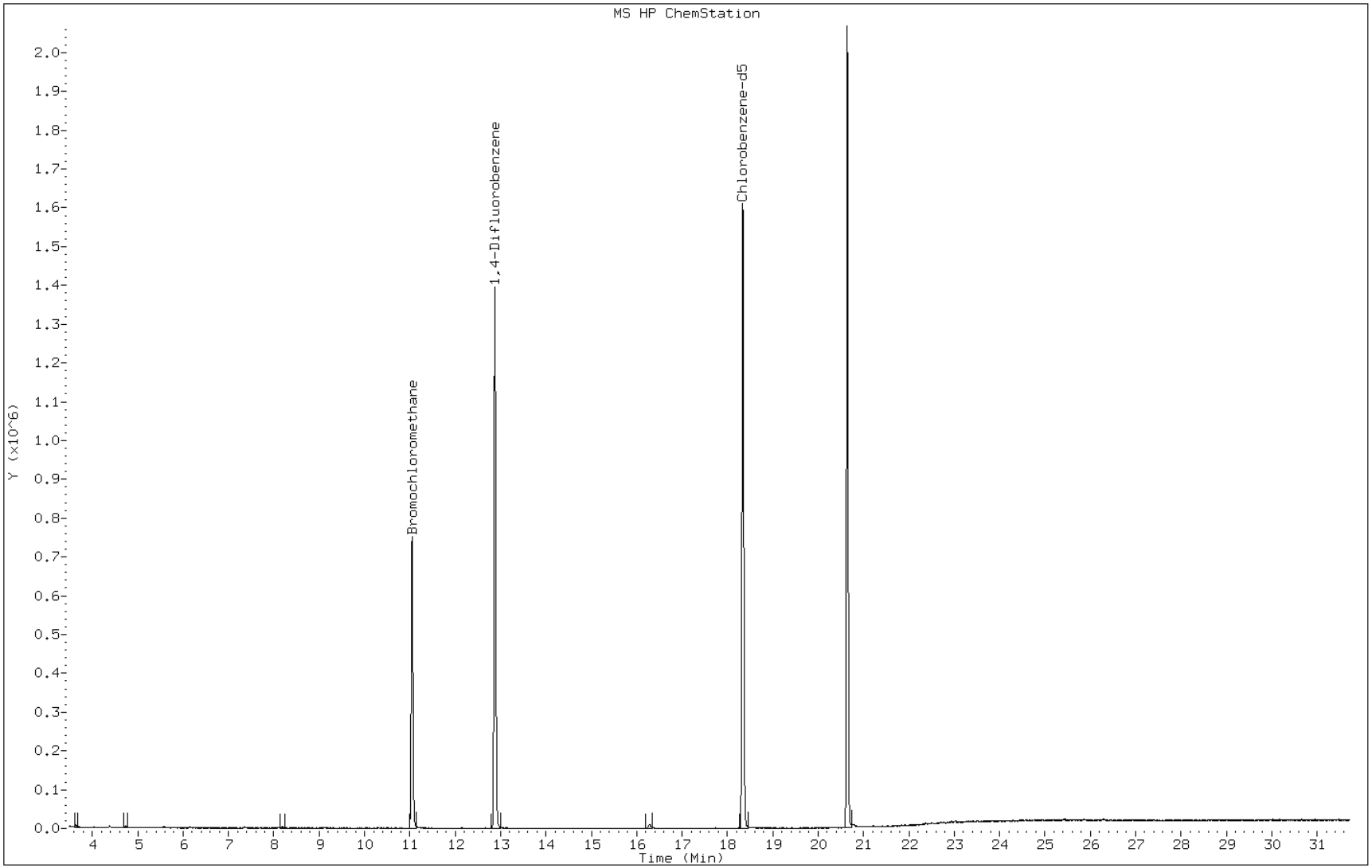
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	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.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3299	0.10441	0.10(a)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	289157	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	12.873	12.883	(1.000)	1608032	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.343	18.348	(1.000)	1430254	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh04.d	Date:	24-MAY-2013 11:39
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 V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clq01.d BFB Injection Date: 05/12/2013

Instrument ID: C.i BFB Injection Time: 21:15

Analysis Batch No.: 55509

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.6	
75	30.0 - 66.0% of mass 95	52.8	
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	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	67.9	
175	4.0 - 9.0 % of mass 174	4.7	(6.9)1
176	93.0 - 101.0% of mass 174	65.6	(96.6)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 200-55509/4	clq04.d	05/12/2013	23:49
	IC 200-55509/5	clq05.d	05/13/2013	00:42
	IC 200-55509/6	clq06.d	05/13/2013	01:35
	IC 200-55509/7	clq07.d	05/13/2013	02:27
	ICIS 200-55509/8	clq08.d	05/13/2013	03:20
	IC 200-55509/9	clq09.d	05/13/2013	04:12
	IC 200-55509/10	clq10.d	05/13/2013	05:05
	IC 200-55509/11	clq11.d	05/13/2013	05:58
	ICV 200-55509/14	clq14.d	05/13/2013	08:36

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqh01.d BFB Injection Date: 05/24/2013

Instrument ID: C.i BFB Injection Time: 09:02

Analysis Batch No.: 56177

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.3	
75	30.0 - 66.0% of mass 95	54.5	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	65.1	
175	4.0 - 9.0 % of mass 174	4.6	(7.1)1
176	93.0 - 101.0% of mass 174	62.7	(96.3)1
177	5.0 - 9.0% of mass 176	4.2	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-56177/2	clqh02.d	05/24/2013	09:54
	LCS 200-56177/3	clqh03.d	05/24/2013	10:47
	MB 200-56177/4	clqh04.d	05/24/2013	11:39
3236	200-16615-1	clqh20.d	05/25/2013	01:41
4305	200-16615-2	clqh21.d	05/25/2013	02:36
5027	200-16615-3	clqh22.d	05/25/2013	03:30
4307	200-16615-4	clqh25.d	05/25/2013	06:14
3275	200-16615-5	clqh26.d	05/25/2013	07:08
4150	200-16615-6	clqh27.d	05/25/2013	08:02
5111	200-16615-7	clqh28.d	05/25/2013	08:55

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqi01.d BFB Injection Date: 05/28/2013

Instrument ID: C.i BFB Injection Time: 09:09

Analysis Batch No.: 56146

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.6	
75	30.0 - 66.0% of mass 95	54.0	
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	63.9	
175	4.0 - 9.0 % of mass 174	4.5	(7.1)1
176	93.0 - 101.0% of mass 174	61.4	(96.0)1
177	5.0 - 9.0% of mass 176	4.1	(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 200-56146/2	clqi02.d	05/28/2013	10:03
	LCS 200-56146/3	clqi03.d	05/28/2013	10:55
	MB 200-56146/4	clqi04.d	05/28/2013	11:48
4554	200-16615-8	clqi13.d	05/28/2013	19:54
5021	200-16615-10	clqi15.d	05/28/2013	21:42
2945	200-16615-11	clqi24.d	05/29/2013	05:35
5164	200-16615-12	clqi25.d	05/29/2013	06:30

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: ICIS 200-55509/8 Date Analyzed: 05/13/2013 03:20

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clq08.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		429129	11.06	2382390	12.88	2156504	18.35
UPPER LIMIT		600781	11.39	3335346	13.21	3019106	18.68
LOWER LIMIT		257477	10.73	1429434	12.55	1293902	18.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-55509/14		431213	11.06	2377178	12.88	2146153	18.35

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: CCVIS 200-56177/2 Date Analyzed: 05/24/2013 09:54

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clqh02.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		308509	11.05	1674497	12.88	1553660	18.34
UPPER LIMIT		431913	11.38	2344296	13.21	2175124	18.67
LOWER LIMIT		185105	10.72	1004698	12.55	932196	18.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56177/3		310390	11.05	1708533	12.88	1568069	18.34
MB 200-56177/4		289157	11.05	1608032	12.87	1430254	18.34
200-16615-1	3236	312151	11.05	1740838	12.87	1528761	18.34
200-16615-2	4305	281704	11.05	1598588	12.88	1412067	18.34
200-16615-3	5027	279948	11.05	1572193	12.87	1350977	18.34
200-16615-4	4307	271952	11.05	1540081	12.87	1349063	18.34
200-16615-5	3275	277648	11.05	1544007	12.88	1361445	18.34
200-16615-6	4150	274867	11.05	1530070	12.88	1351268	18.34
200-16615-7	5111	272838	11.05	1534207	12.88	1355604	18.34

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: CCVIS 200-56146/2 Date Analyzed: 05/28/2013 10:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clqi02.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		308660	11.05	1691284	12.88	1452806	18.34
UPPER LIMIT		432124	11.38	2367798	13.21	2033928	18.67
LOWER LIMIT		185196	10.72	1014770	12.55	871684	18.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56146/3		309336	11.05	1525036	12.88	1191934	18.34
MB 200-56146/4		282960	11.04	1596998	12.87	1406026	18.34
200-16615-8	4554	266490	11.04	1476702	12.87	1324304	18.34
200-16615-10	5021	260376	11.05	1454811	12.87	1283059	18.34
200-16615-11	2945	256860	11.04	1435164	12.87	1250642	18.34
200-16615-12	5164	254230	11.05	1431281	12.87	1235288	18.34

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 Lab Sample ID: 200-16615-1

Matrix: Air Lab File ID: clqh20.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 | Lab Sample ID: 200-16615-1

Matrix: Air | Lab File ID: clqh20.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 Lab Sample ID: 200-16615-1

Matrix: Air Lab File ID: clqh20.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-1
Client Smp ID: 3236
Inj Date : 25-MAY-2013 01:41
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-1
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 6
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1362	0.04889	0.0098(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

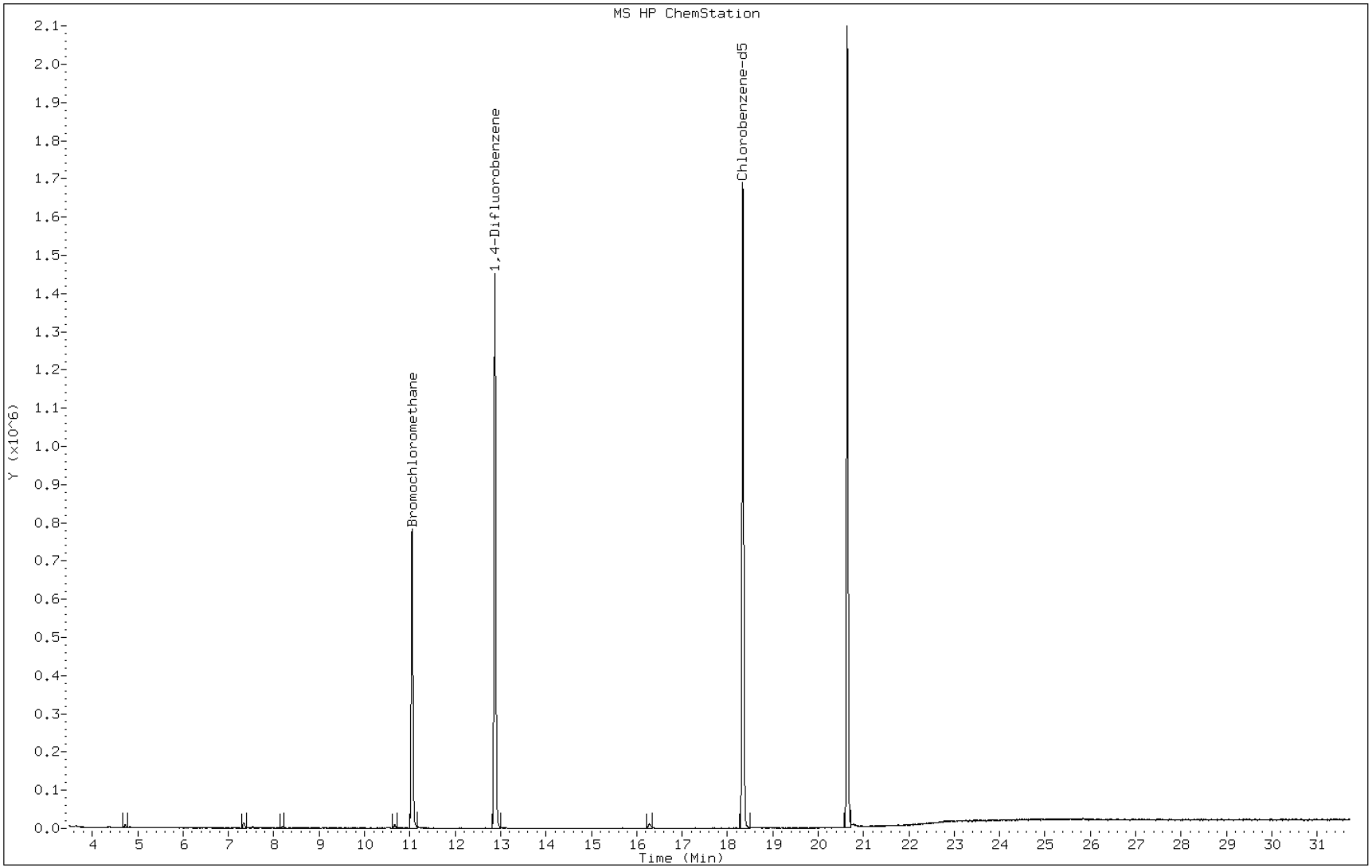
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.664)	24542	0.63521	0.13(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.192	8.198	(0.742)	3424	0.10036	0.020(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.674	10.653	(0.966)	4451	0.32358	0.065(aQ)
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	312151	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	12.873	12.883	(1.000)	1740838	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1528761	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh20.d	Date:	25-MAY-2013 01:41
Client ID:	3236	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-1		
Lab Sample ID:	200-16615-1		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 | Lab Sample ID: 200-16615-2

Matrix: Air | Lab File ID: clqh21.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 | Lab Sample ID: 200-16615-2

Matrix: Air | Lab File ID: clqh21.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 Lab Sample ID: 200-16615-2

Matrix: Air Lab File ID: clqh21.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-2
Client Smp ID: 4305
Inj Date : 25-MAY-2013 02:36
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-2
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 7
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1014	0.04034	0.0081(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

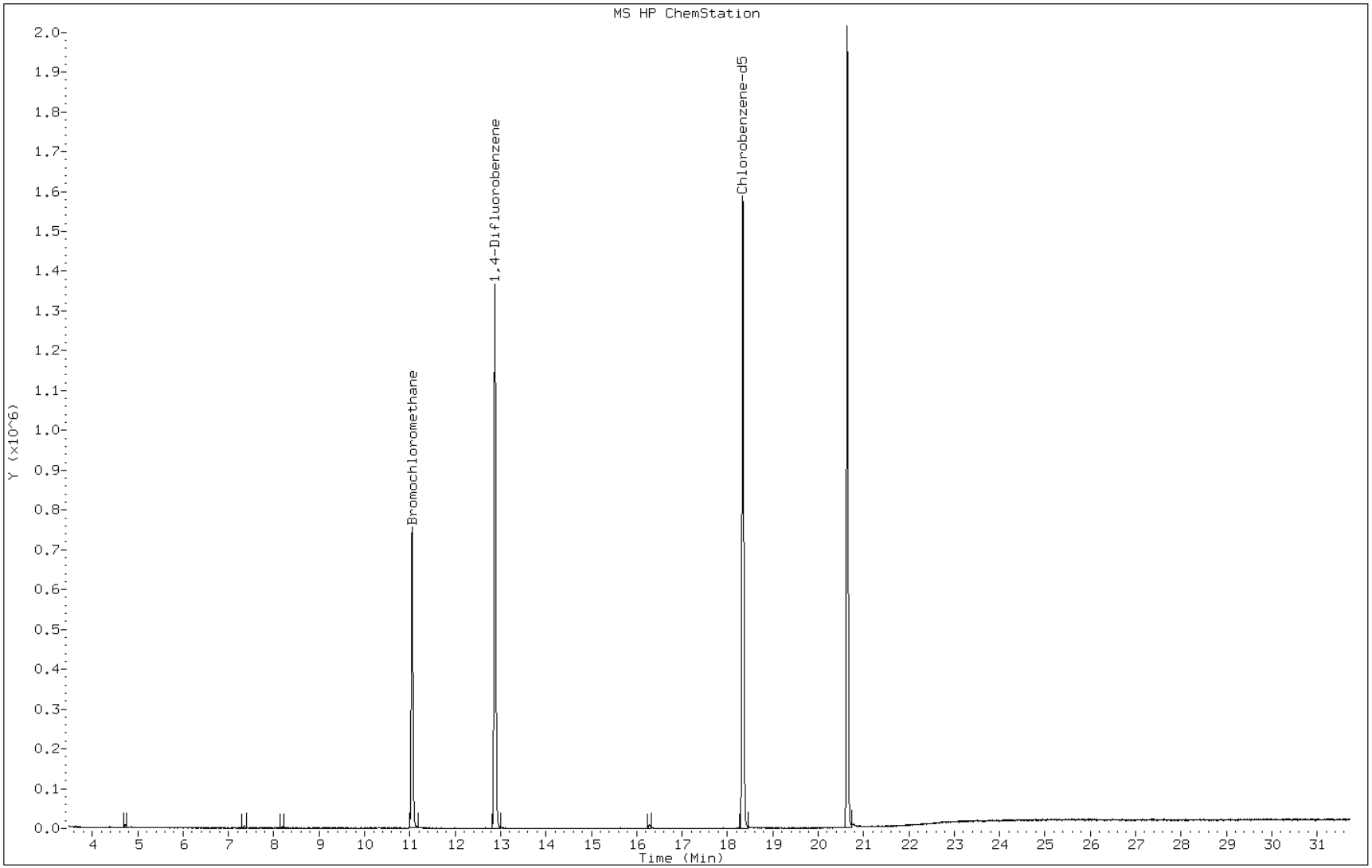
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	9497	0.27237	0.054(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.192	8.198	(0.742)	3280	0.10654	0.021(aM)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	281704	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	12.878	12.883	(1.000)	1598588	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1412067	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	clqh21.d	Date:	25-MAY-2013 02:36
Client ID:	4305	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-2		
Lab Sample ID:	200-16615-2		



Manual Integration Report

Data File: clqh21.d
Lab Sample ID: 200-16615-2
Inj. Date and Time: 25-MAY-2013 02:36
Instrument ID: C.i
Client ID: 4305
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

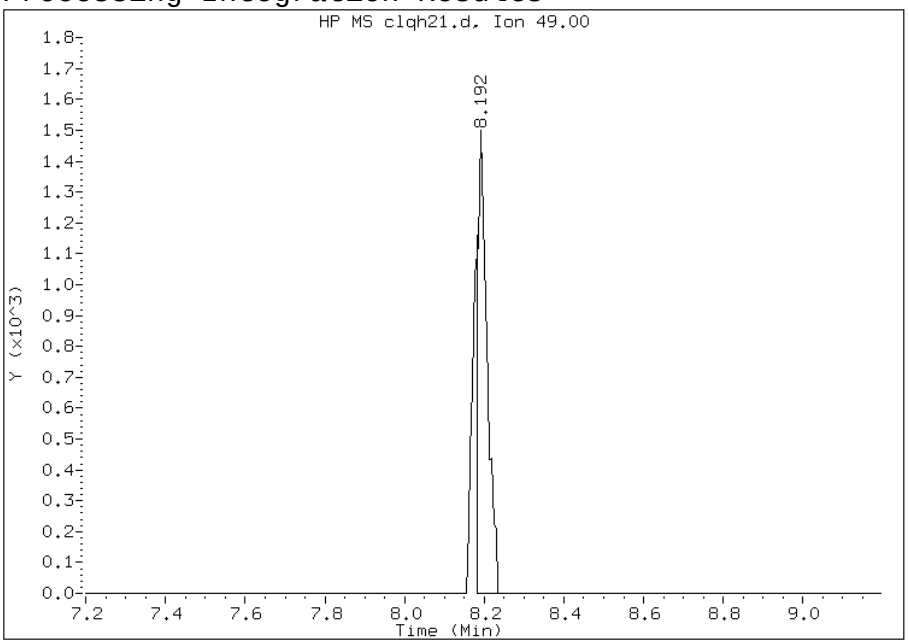
Processing Integration Results

RT: 8.19

Response: 2521

Amount: 0.081894

Conc: 0.016379



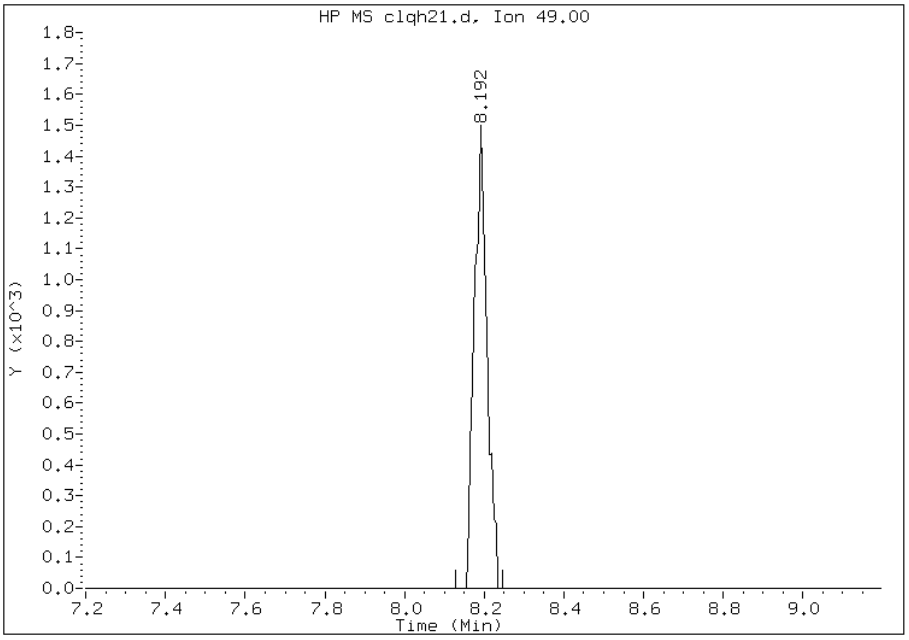
Manual Integration Results

RT: 8.19

Response: 3280

Amount: 0.106535

Conc: 0.021307



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.: 200-16615-1

SDG No.:

Client Sample ID: 5027 | Lab Sample ID: 200-16615-3

Matrix: Air | Lab File ID: clqh22.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5027 | Lab Sample ID: 200-16615-3

Matrix: Air | Lab File ID: clqh22.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5027 Lab Sample ID: 200-16615-3

Matrix: Air Lab File ID: clqh22.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-3
Client Smp ID: 5027
Inj Date : 25-MAY-2013 03:30
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-3
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 8
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1005	0.04025	0.0081(a)
6	Butane	43	4.382	4.387	(0.397)	3346	0.07683	0.015(aQ)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

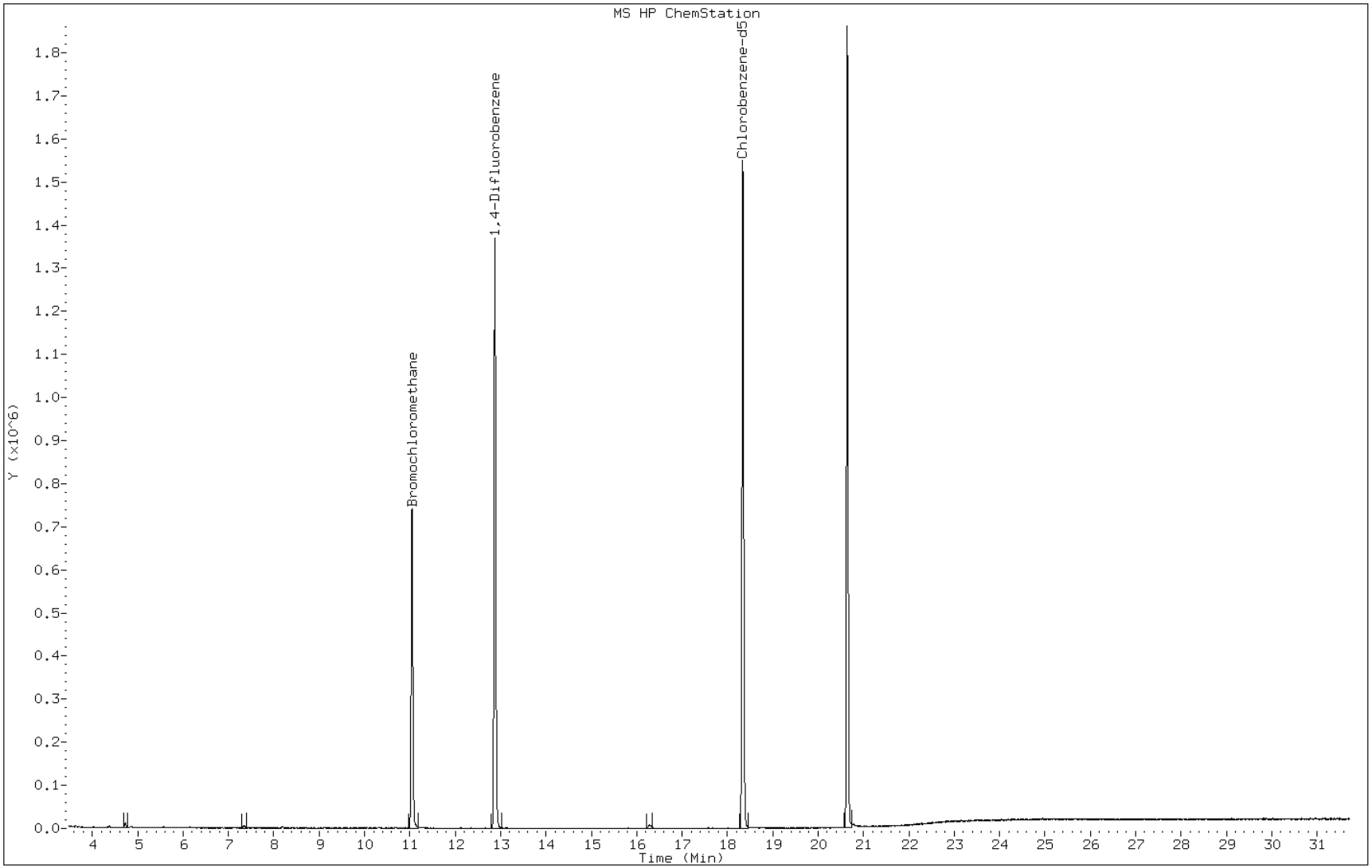
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	10831	0.31259	0.063(aQ)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	279948	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	12.873	12.883	(1.000)	1572193	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1350977	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh22.d	Date:	25-MAY-2013 03:30
Client ID:	5027	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-3		
Lab Sample ID:	200-16615-3		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 | Lab Sample ID: 200-16615-4

Matrix: Air | Lab File ID: clqh25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 | Lab Sample ID: 200-16615-4

Matrix: Air | Lab File ID: clqh25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 Lab Sample ID: 200-16615-4

Matrix: Air Lab File ID: clqh25.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-4
Client Smp ID: 4307
Inj Date : 25-MAY-2013 06:14
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-4
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 11
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1318	0.05431	0.011(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

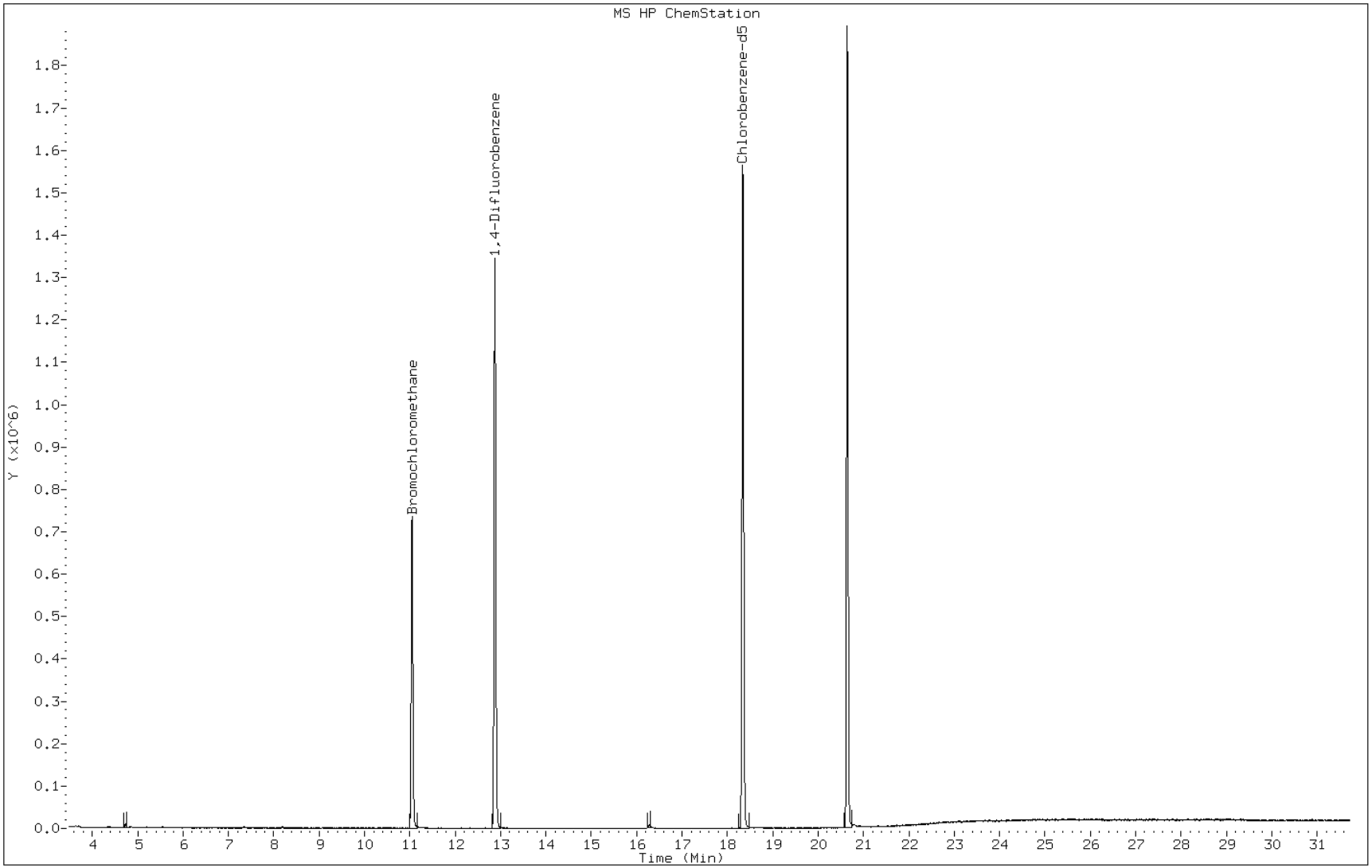
							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb v/v)	(ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	5363	0.15933	0.032(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3410	0.11472	0.023(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	271952	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	12.873	12.883	(1.000)	1540081	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1349063	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh25.d	Date:	25-MAY-2013 06:14
Client ID:	4307	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-4		
Lab Sample ID:	200-16615-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 Lab Sample ID: 200-16615-5

Matrix: Air Lab File ID: clqh26.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 | Lab Sample ID: 200-16615-5

Matrix: Air | Lab File ID: clqh26.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 Lab Sample ID: 200-16615-5

Matrix: Air Lab File ID: clqh26.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-5
Client Smp ID: 3275
Inj Date : 25-MAY-2013 07:08
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-5
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 12
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1224	0.04940	0.0099(a)
6	Butane	43	4.382	4.387	(0.397)	2912	0.06740	0.013(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

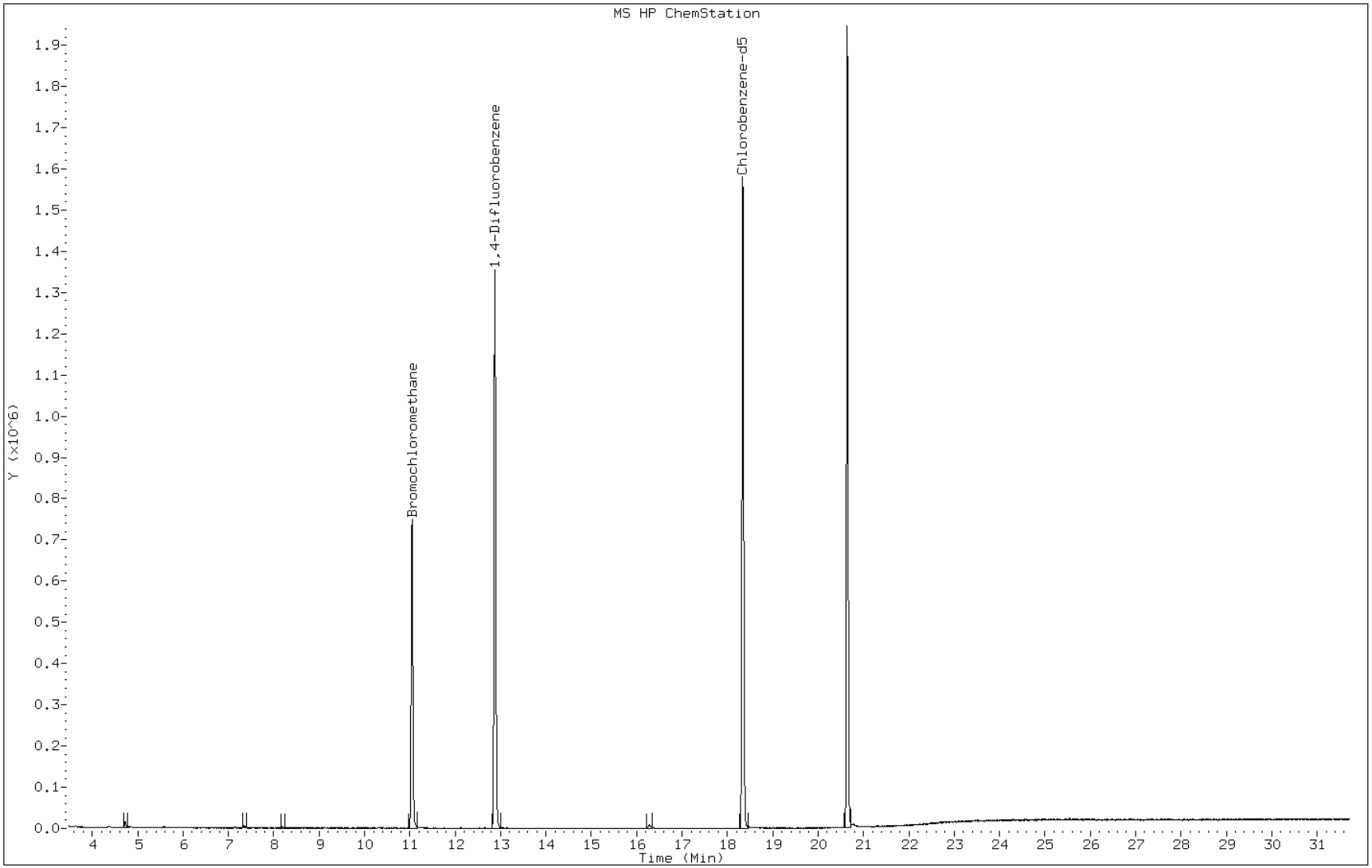
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	7.344	7.328	(0.665)	11897	0.34619	0.069(a)
21	Carbon disulfide	76	Compound Not Detected.					
22	Isopropanol	45	Compound Not Detected.					
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.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.048	11.058	(1.000)	277648	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	12.878	12.883	(1.000)	1544007	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.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.338	18.348	(1.000)	1361445	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh26.d	Date:	25-MAY-2013 07:08
Client ID:	3275	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-5		
Lab Sample ID:	200-16615-5		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 | Lab Sample ID: 200-16615-6

Matrix: Air | Lab File ID: clqh27.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 | Lab Sample ID: 200-16615-6

Matrix: Air | Lab File ID: clqh27.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 Lab Sample ID: 200-16615-6

Matrix: Air Lab File ID: clqh27.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-6
Client Smp ID: 4150
Inj Date : 25-MAY-2013 08:02
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-6
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 13
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1180	0.04811	0.0096(a)
6	Butane	43	4.387	4.387	(0.397)	10674	0.24956	0.050(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

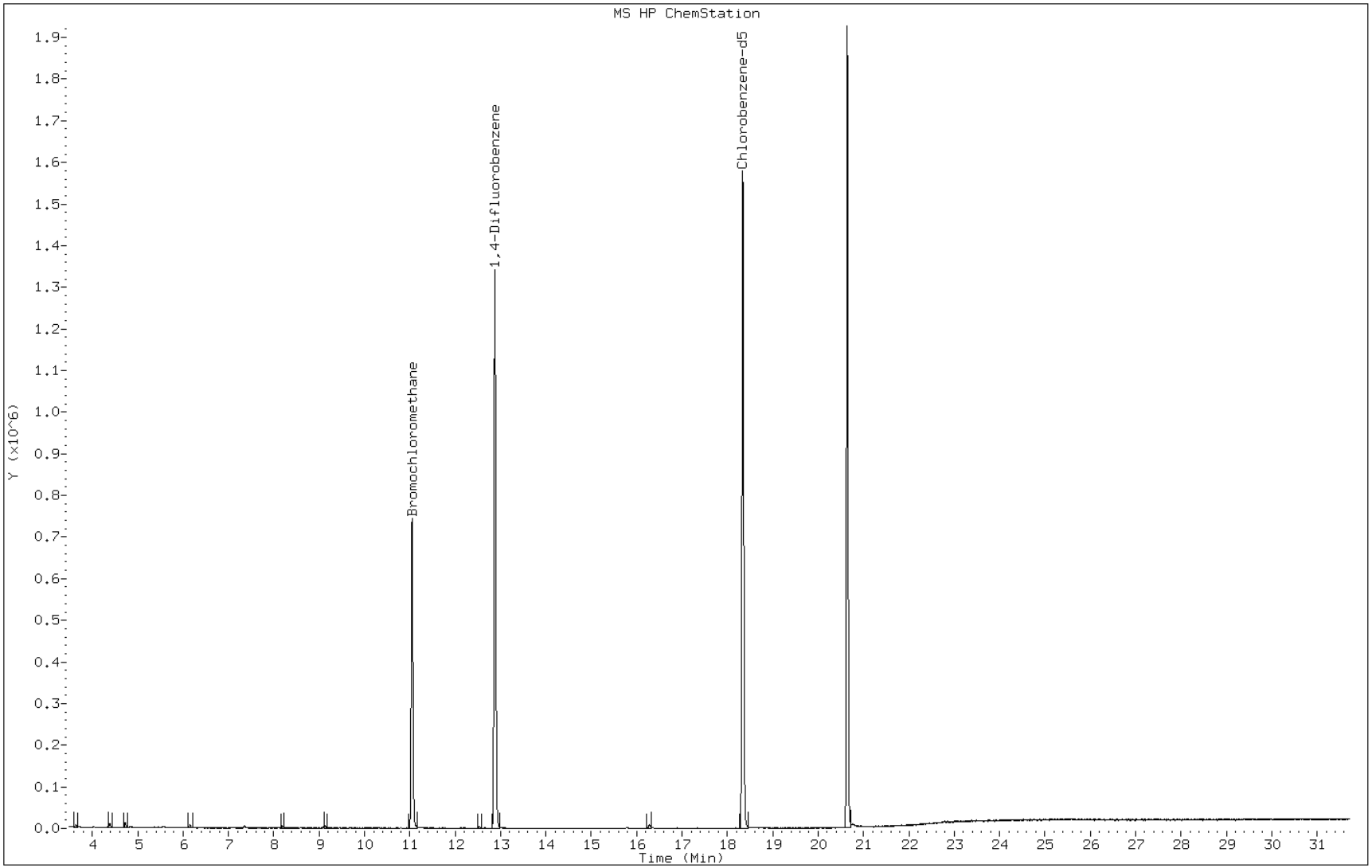
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	9854	0.28964	0.058(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3402	0.11327	0.023(aM)
	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	9.126	9.132	(0.826)	3173	0.06930	0.014(aQ)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	274867	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	12.531	12.537	(0.973)	2416	0.04694	0.0094(a)
*	47 1,4-Difluorobenzene	114	12.878	12.883	(1.000)	1530070	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1351268	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

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:	clqh27.d	Date:	25-MAY-2013 08:02
Client ID:	4150	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-6		
Lab Sample ID:	200-16615-6		



Manual Integration Report

Data File: clqh27.d
Lab Sample ID: 200-16615-6
Inj. Date and Time: 25-MAY-2013 08:02
Instrument ID: C.i
Client ID: 4150
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

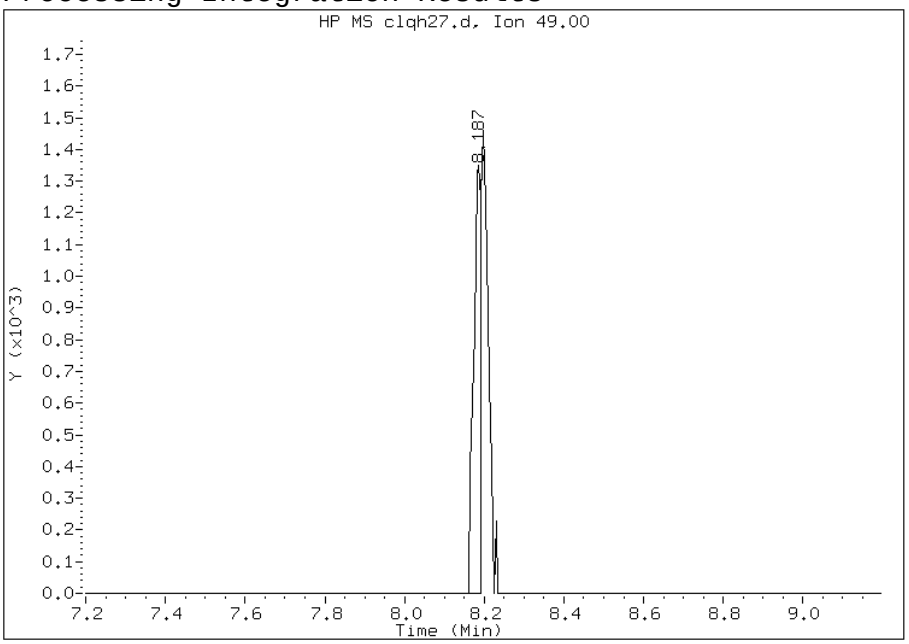
Processing Integration Results

RT: 8.19

Response: 1836

Amount: 0.061112

Conc: 0.012222



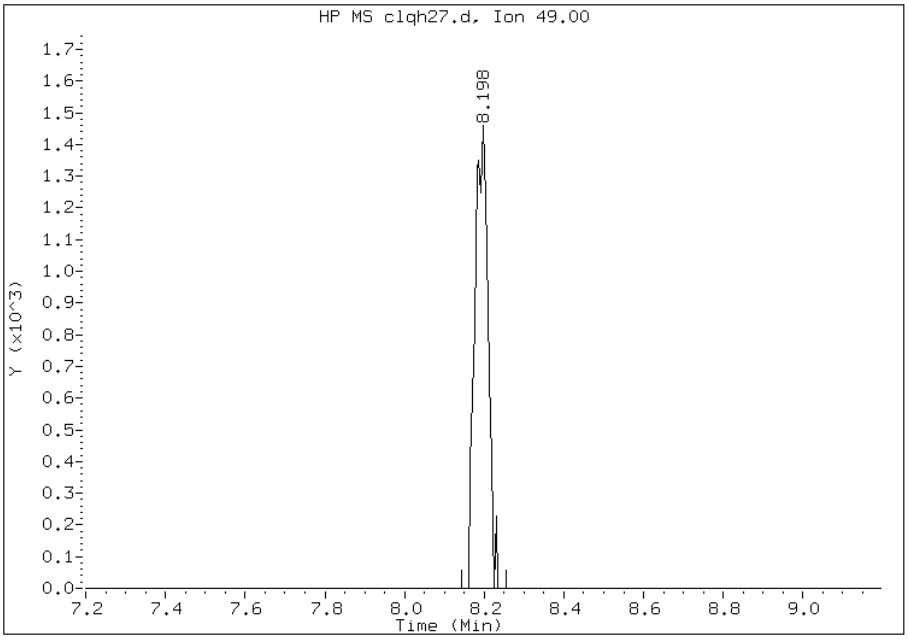
Manual Integration Results

RT: 8.20

Response: 3402

Amount: 0.113267

Conc: 0.022653



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.: 200-16615-1

SDG No.:

Client Sample ID: 5111 Lab Sample ID: 200-16615-7

Matrix: Air Lab File ID: clqh28.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5111 | Lab Sample ID: 200-16615-7

Matrix: Air | Lab File ID: clqh28.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5111 Lab Sample ID: 200-16615-7

Matrix: Air Lab File ID: clqh28.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-7
Client Smp ID: 5111
Inj Date : 25-MAY-2013 08:55
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-7
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 14
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1413	0.05803	0.012(a)
6	Butane	43	4.382	4.387	(0.397)	7199	0.16956	0.034(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

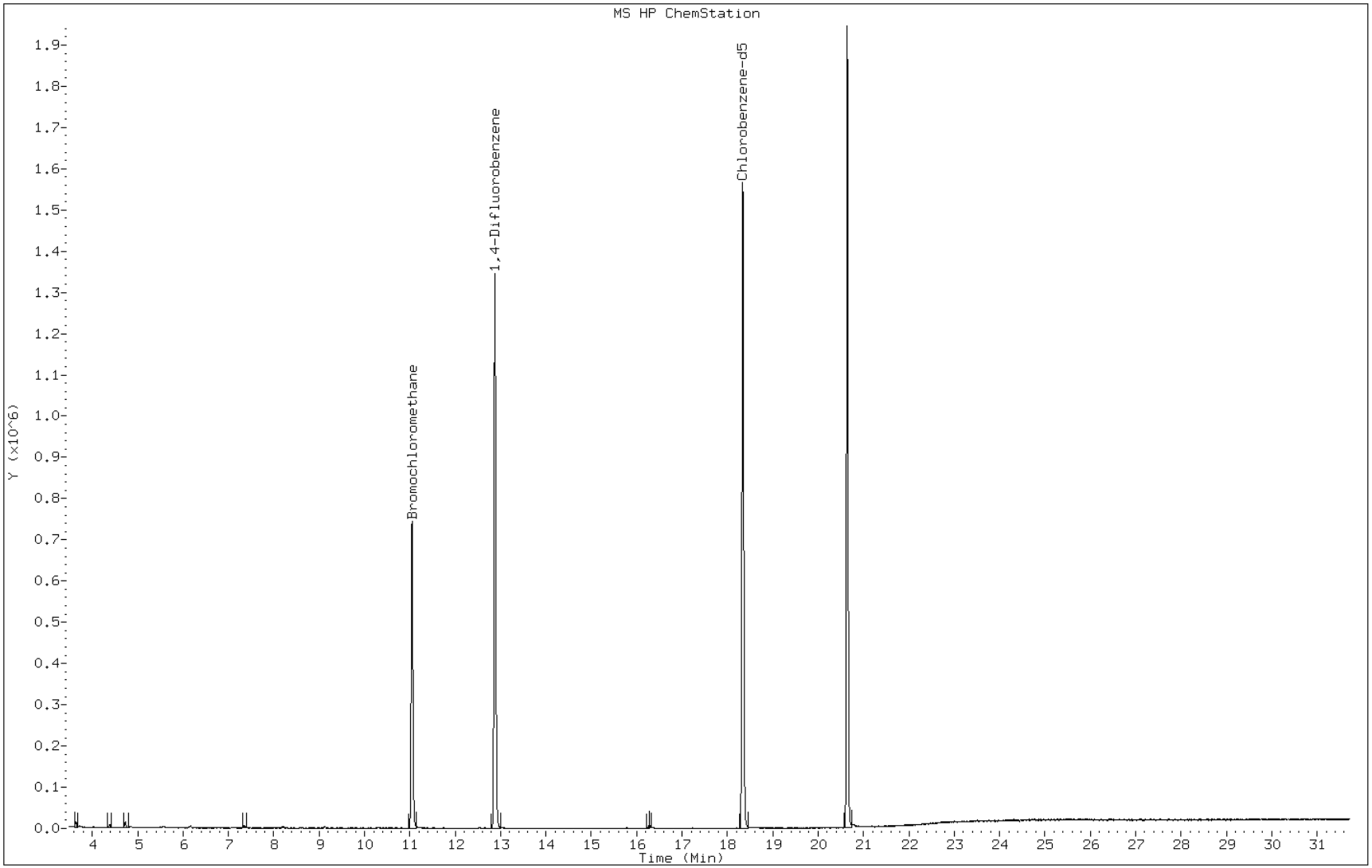
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	11721	0.34708	0.069(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	272838	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	12.878	12.883	(1.000)	1534207	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1355604	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh28.d	Date:	25-MAY-2013 08:55
Client ID:	5111	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-7		
Lab Sample ID:	200-16615-7		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-8
Client Smp ID: 4554
Inj Date : 28-MAY-2013 19:54
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-8
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 14
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.375)	1439	0.06051	0.012(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

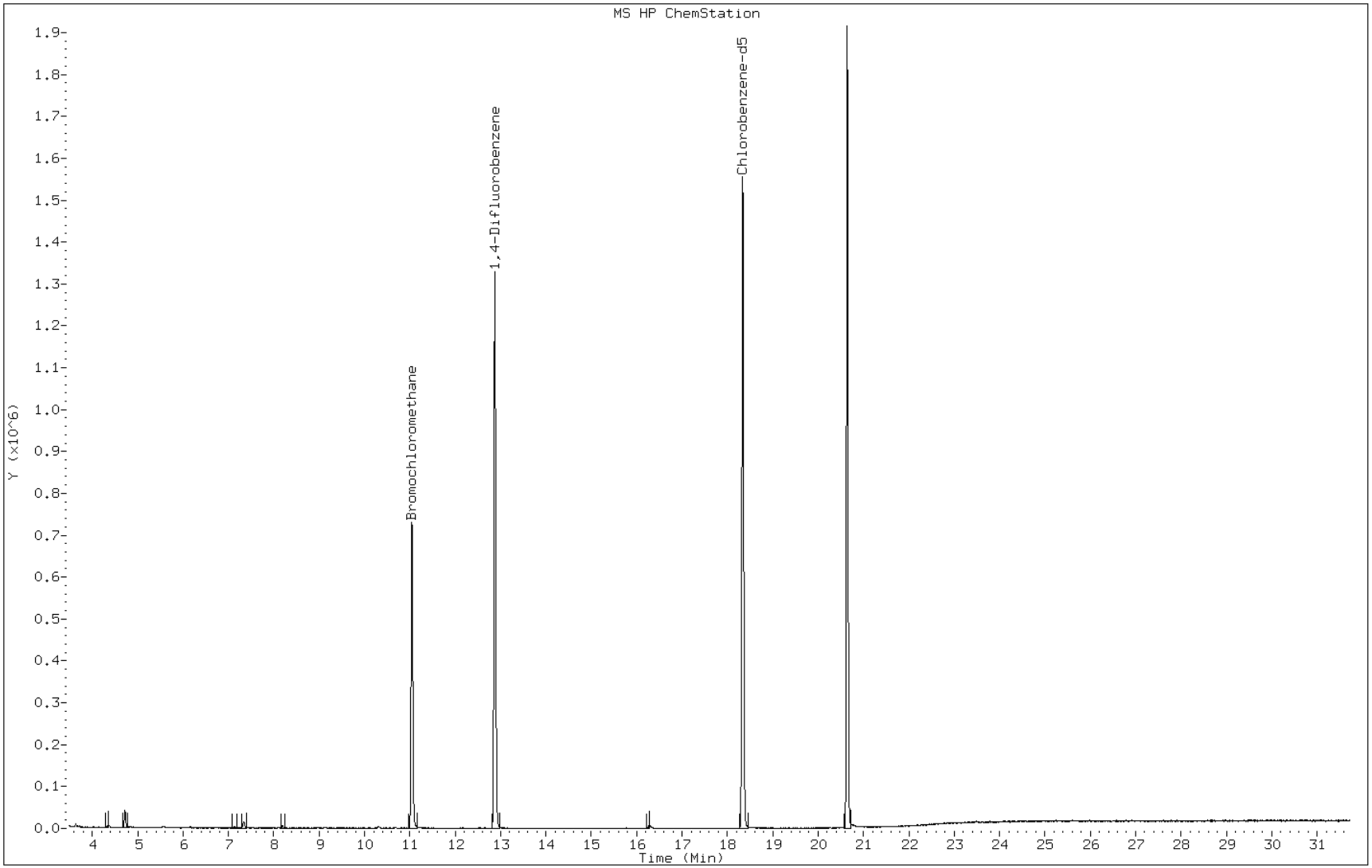
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.665)	27792	0.84258	0.17(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.187	8.198	(0.741)	3960	0.13595	0.027(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	266490	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	12.873	12.883	(1.000)	1476702	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1324304	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqi13.d	Date:	28-MAY-2013 19:54
Client ID:	4554	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-8		
Lab Sample ID:	200-16615-8		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 Lab Sample ID: 200-16615-10

Matrix: Air Lab File ID: clqi15.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 | Lab Sample ID: 200-16615-10

Matrix: Air | Lab File ID: clqi15.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 Lab Sample ID: 200-16615-10

Matrix: Air Lab File ID: clqi15.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-10
Client Smp ID: 5021
Inj Date : 28-MAY-2013 21:42
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-10
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 16
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1518	0.06533	0.013(a)
6	Butane	43	4.376	4.387	(0.396)	3059	0.07550	0.015(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

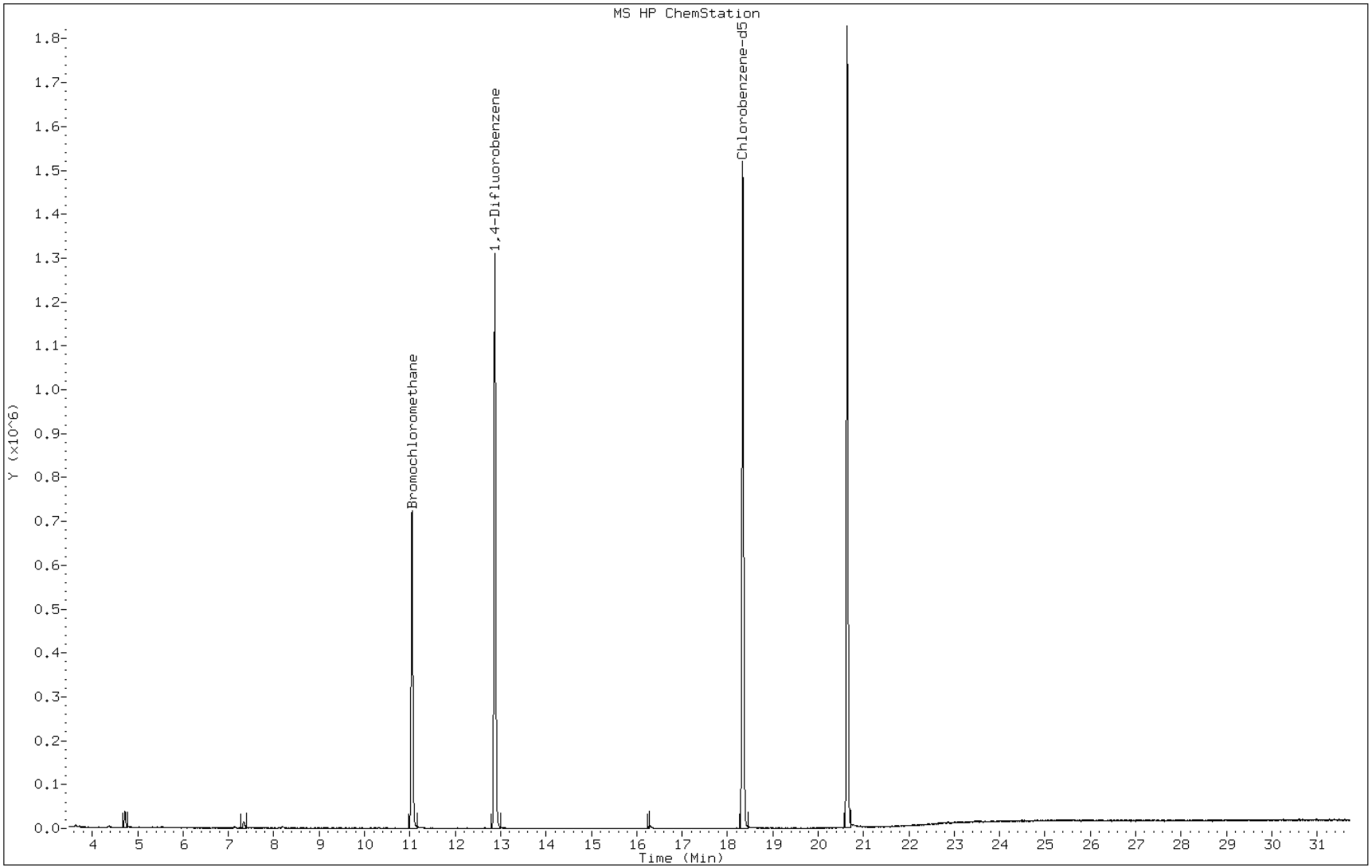
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.664)	28306	0.87831	0.18(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.187	8.198	(0.741)	3541	0.12442	0.025(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	260376	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	12.873	12.883	(1.000)	1454811	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1283059	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqi15.d	Date:	28-MAY-2013 21:42
Client ID:	5021	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-10		
Lab Sample ID:	200-16615-10		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 | Lab Sample ID: 200-16615-11

Matrix: Air | Lab File ID: clqi24.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 | Lab Sample ID: 200-16615-11

Matrix: Air | Lab File ID: clqi24.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 Lab Sample ID: 200-16615-11

Matrix: Air Lab File ID: clqi24.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-11
Client Smp ID: 2945
Inj Date : 29-MAY-2013 05:35
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-11
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 10
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1240	0.05412	0.011(a)
6	Butane	43	4.376	4.387	(0.396)	2083	0.05213	0.010(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

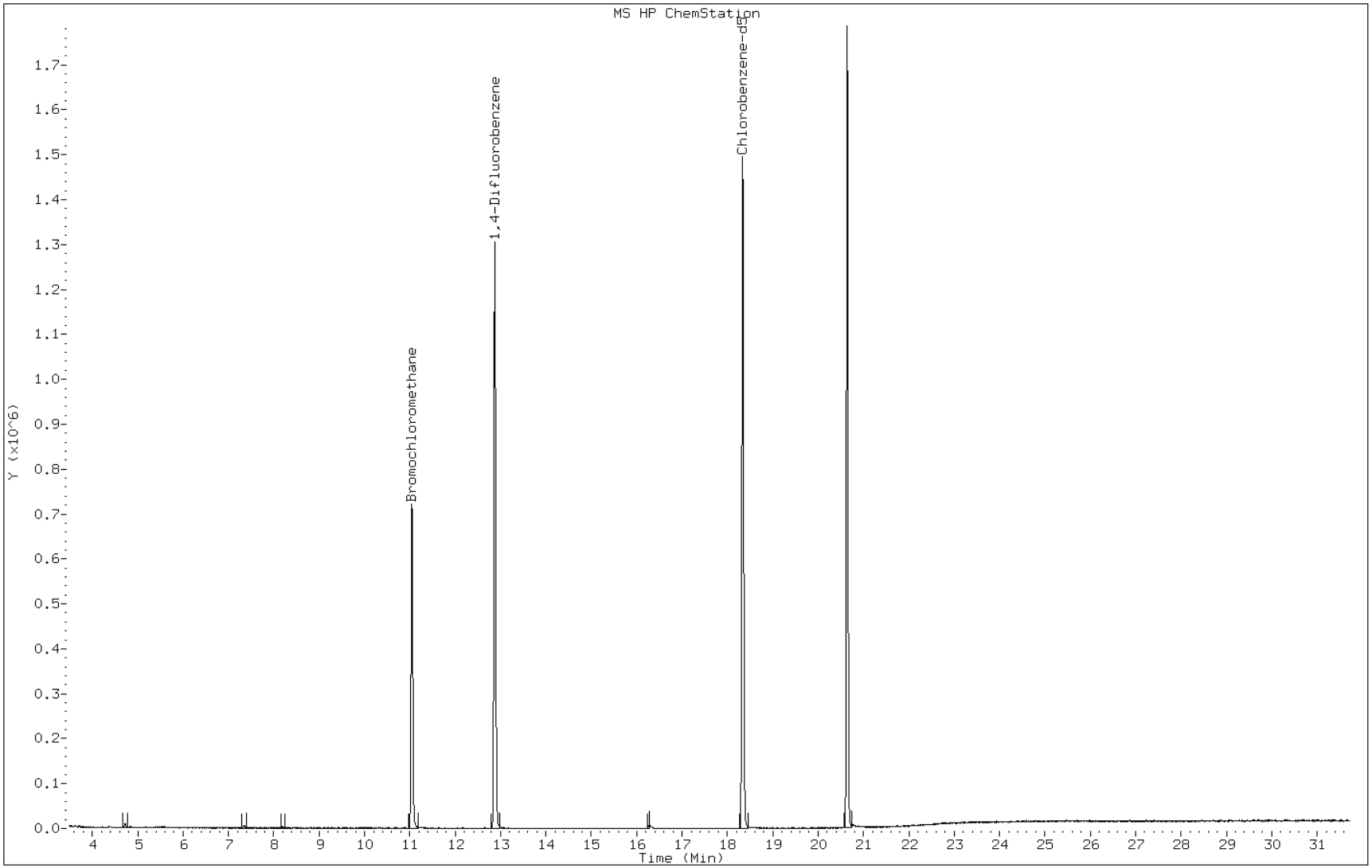
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	9412	0.29606	0.059(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.182	8.198	(0.741)	3590	0.12790	0.026(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	256860	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	12.873	12.883	(1.000)	1435164	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1250642	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqi24.d	Date:	29-MAY-2013 05:35
Client ID:	2945	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-11		
Lab Sample ID:	200-16615-11		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 | Lab Sample ID: 200-16615-12

Matrix: Air | Lab File ID: clqi25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 | Lab Sample ID: 200-16615-12

Matrix: Air | Lab File ID: clqi25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 Lab Sample ID: 200-16615-12

Matrix: Air Lab File ID: clqi25.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-12
Client Smp ID: 5164
Inj Date : 29-MAY-2013 06:30
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-12
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 11
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1389	0.06122	0.012(a)
6	Butane	43	4.382	4.387	(0.397)	6417	0.16221	0.032(aQ)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

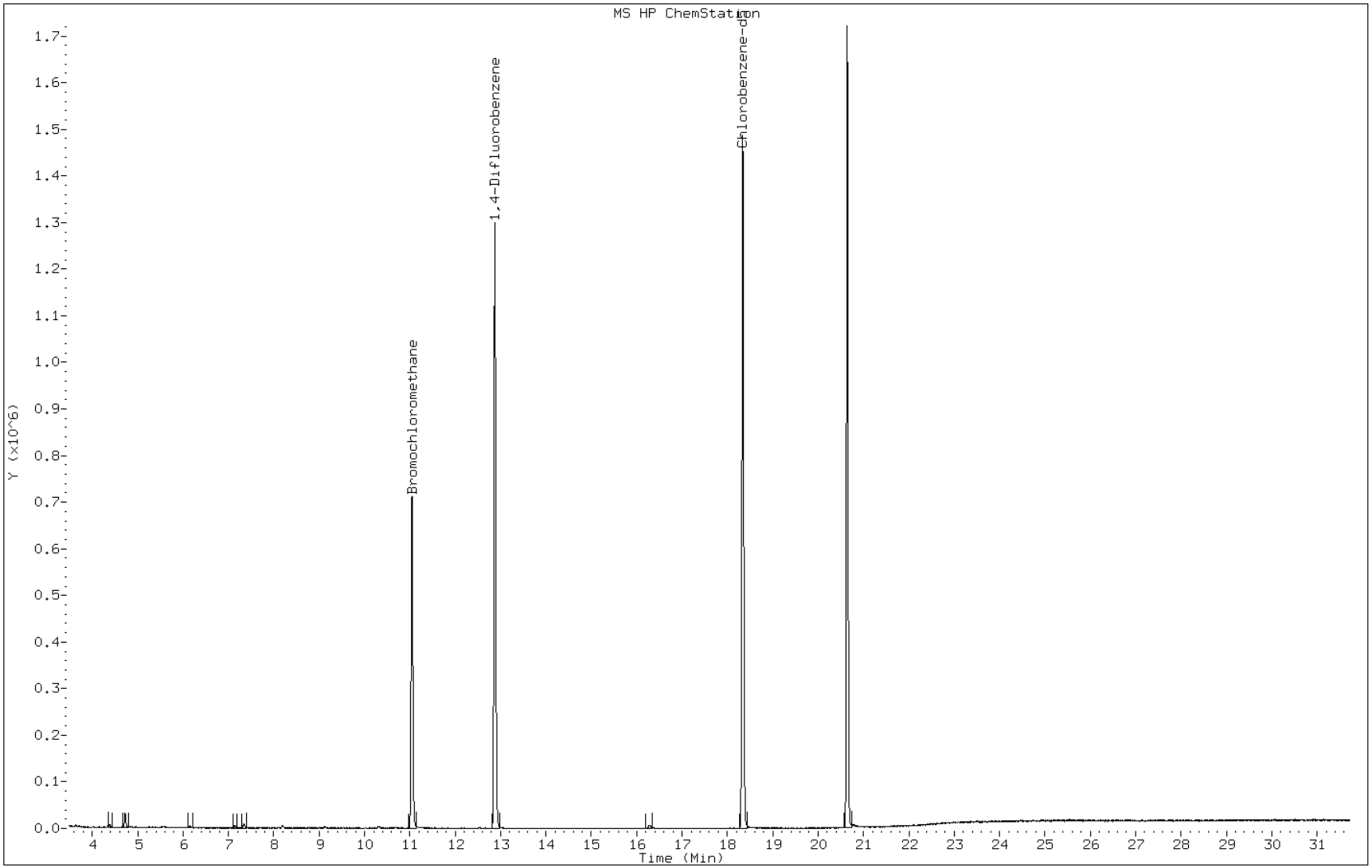
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.344	7.328	(0.665)	17059	0.54212	0.11(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	4419	0.15903	0.032(a)
	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	9.121	9.132	(0.826)	2038	0.04815	0.0096(aQM)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	254230	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	12.873	12.883	(1.000)	1431281	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1235288	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

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:	clqi25.d	Date:	29-MAY-2013 06:30
Client ID:	5164	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-12		
Lab Sample ID:	200-16615-12		



Manual Integration Report

Data File: clqi25.d
Lab Sample ID: 200-16615-12
Inj. Date and Time: 29-MAY-2013 06:30
Instrument ID: C.i
Client ID: 5164
Compound: 30 n-Hexane
CAS #: 110-54-3
Report Date: 05/29/2013

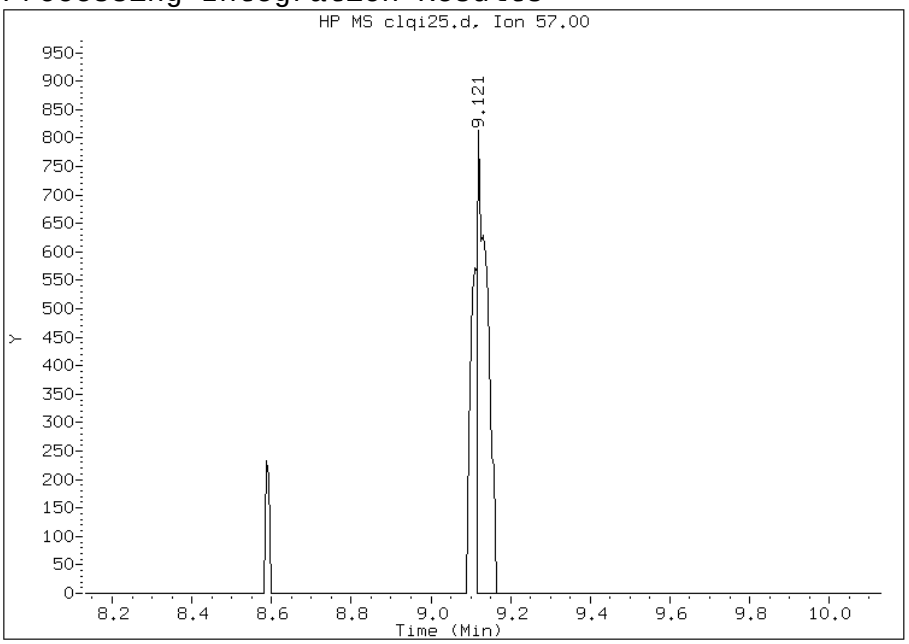
Processing Integration Results

RT: 9.12

Response: 1480

Amount: 0.034950

Conc: 0.006990



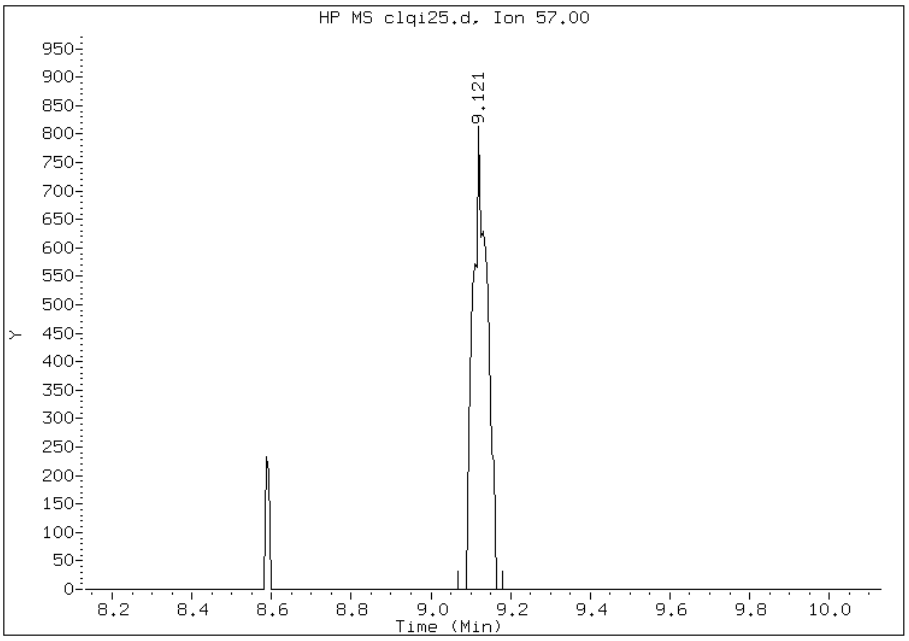
Manual Integration Results

RT: 9.12

Response: 2038

Amount: 0.048145

Conc: 0.009629



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55509/4	clq04.d
Level 2	IC 200-55509/5	clq05.d
Level 3	IC 200-55509/6	clq06.d
Level 4	IC 200-55509/7	clq07.d
Level 5	ICIS 200-55509/8	clq08.d
Level 6	IC 200-55509/9	clq09.d
Level 7	IC 200-55509/10	clq10.d
Level 8	IC 200-55509/11	clq11.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								
Propylene	+++++ 0.6993	+++++ 0.6618	+++++ 0.6030	0.7715	0.7479	Ave		0.6967				9.7		30.0			
Dichlorodifluoromethane	+++++ 3.1391	+++++ 3.0759	3.3656 2.9515	3.2507	3.2580	Ave		3.1735				4.7		30.0			
Freon 22	+++++ 1.5793	+++++ 1.5322	1.7659 1.4314	1.7122	1.6729	Ave		1.6156				7.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.0945	3.2340 2.9899	3.2253 2.7867	3.2090	3.2011	Ave		3.1058				5.4		30.0			
Chloromethane	+++++ 0.8599	+++++ 0.8148	1.0740 0.7565	0.9417	0.9074	Ave		0.8924				12.4		30.0			
n-Butane	+++++ 1.5090	+++++ 1.4167	1.8955 1.2801	1.6360	1.5992	Ave		1.5561				13.5		30.0			
Vinyl chloride	1.1366 1.0175	1.0850 0.9773	1.0978 0.9018	1.0785	1.0711	Ave		1.0457				7.3		30.0			
1,3-Butadiene	+++++ 0.7710	0.7924 0.7356	0.7818 0.6827	0.8012	0.8043	Ave		0.7670				5.7		30.0			
Bromomethane	+++++ 0.9505	0.9622 0.9269	1.0277 0.8792	0.9985	0.9832	Ave		0.9612				5.1		30.0			
Chloroethane	+++++ 0.4981	+++++ 0.4816	0.5421 0.4442	0.5407	0.5247	Ave		0.5052				7.6		30.0			
Isopentane	+++++ 1.0478	1.3024 0.9914	1.2677 0.9048	1.1640	1.1300	Ave		1.1154				12.9		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0526	0.9831 1.0227	1.0389 0.9870	1.0454	1.0546	Ave		1.0263				2.9		30.0			
Trichlorofluoromethane	+++++ 3.2260	3.1494 3.2110	3.2420 3.1674	3.2486	3.2880	Ave		3.2189				1.5		30.0			
n-Pentane	+++++ 1.7770	+++++ 1.6957	2.0349 1.5624	1.9007	1.8705	Ave		1.8069				9.2		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
Ethanol	+++++ 0.2355	+++++ 0.3204	0.3496 0.3069	0.2887	0.2958	Ave		0.2995				12.7		30.0			
Ethyl ether	+++++ 0.4690	0.5714 0.5985	0.6402 0.6018	0.5718	0.6787	Ave		0.5902				11.1		30.0			
Acrolein	+++++ 0.1975	+++++ 0.2835	+++++ 0.2791	0.2667	0.3214	Ave		0.2697				16.8		30.0			
Freon TF	+++++ 2.0915	2.0273 2.0563	2.1035 1.9614	2.1370	2.1592	Ave		2.0766				3.3		30.0			
1,1-Dichloroethene	+++++ 1.0605	1.0246 0.9758	0.9752 0.9204	1.0247	1.0285	Ave		1.0014				4.7		30.0			
Acetone	+++++ 0.9528	+++++ 1.1556	+++++ 1.1440	1.5724	1.3637	Ave		1.2377				19.1		30.0			
Carbon disulfide	+++++ 3.0643	+++++ 2.9883	3.0989 2.8740	3.3032	3.1718	Ave		3.0834				4.8		30.0			
Isopropyl alcohol	+++++ 0.8517	+++++ 0.9807	+++++ 0.9577	0.9754	0.9950	Ave		0.9521				6.1		30.0			
3-Chloropropene	+++++ 1.1529	1.3075 1.1143	1.2349 1.0839	1.3647	1.3285	Ave		1.2267				9.1		30.0			
Acetonitrile	+++++ 0.4560	+++++ 0.6721	+++++ 0.6732	0.5837	0.6556	Ave		0.6081				15.2		30.0			
Methylene Chloride	+++++ 1.0394	+++++ 1.0037	1.3307 0.9292	1.1376	1.1174	Ave		1.0930				12.7		30.0			
tert-Butyl alcohol	+++++ 1.3933	+++++ 1.5728	+++++ 1.5753	1.5468	1.5397	Ave		1.5256				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.5219	1.5251 1.4669	1.5740 1.3533	1.6112	1.6057	Ave		1.5226				5.9		30.0			
Methyl tert-butyl ether	+++++ 2.0239	2.6618 2.4652	2.6493 2.5337	2.2740	2.7448	Ave		2.4790				10.2		30.0			
Acrylonitrile	+++++ 0.4899	+++++ 0.5717	0.5891 0.5691	0.5406	0.6505	Ave		0.5685				9.3		30.0			
n-Hexane	+++++ 1.6259	1.8299 1.5538	1.7841 1.4336	1.7139	1.7183	Ave		1.6657				8.3		30.0			
1,1-Dichloroethane	2.1723 1.9297	1.9877 1.8805	1.9619 1.7736	2.0239	2.0398	Ave		1.9712				6.0		30.0			
Vinyl acetate	+++++ 1.4815	+++++ 1.8600	+++++ 1.8926	1.7612	2.1661	Ave		1.8323				13.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.1270	1.1170 1.1036	1.1383 1.0554	1.1363	1.1672	Ave		1.1207				3.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3316	+++++ 0.3912	0.6837 0.4025	0.3797	0.4553	Ave		0.4407				28.5		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
Ethyl acetate	+++++ 0.0572	+++++ 0.0699	+++++ 0.0756	0.0609	0.0807	Ave		0.0689				14.2		30.0			
Tetrahydrofuran	+++++ 0.1247	+++++ 0.1511	+++++ 0.1530	0.1581	0.1736	Ave		0.1521				11.6		30.0			
Chloroform	+++++ 2.4438	2.3953 2.4139	2.4572 2.3245	2.5055	2.5358	Ave		2.4394				2.9		30.0			
1,1,1-Trichloroethane	+++++ 0.5099	0.4790 0.5137	0.4949 0.5096	0.5302	0.5131	Ave		0.5072				3.2		30.0			
Cyclohexane	+++++ 0.2834	0.2760 0.2789	0.2870 0.2633	0.3041	0.2889	Ave		0.2831				4.4		30.0			
Carbon tetrachloride	0.5019 0.5445	0.4572 0.5512	0.4910 0.5630	0.5480	0.5427	Ave		0.5249				7.1		30.0			
Benzene	+++++ 0.5920	0.6470 0.6076	0.6455 0.5688	0.6690	0.6373	Ave		0.6239				5.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.9317	0.9541 0.9076	0.9649 0.8368	1.0390	0.9819	Ave		0.9451				6.7		30.0			
1,2-Dichloroethane	+++++ 0.2780	0.2753 0.2957	0.2943 0.2828	0.3168	0.3022	Ave		0.2922				5.0		30.0			
n-Heptane	+++++ 0.3270	0.3410 0.3178	0.3607 0.2872	0.3730	0.3482	Ave		0.3364				8.5		30.0			
n-Butanol	+++++ 0.0681	+++++ 0.0871	+++++ 0.0854	0.0741	0.0785	Ave		0.0786				10.0		30.0			
Trichloroethene	0.3394 0.3170	0.2754 0.2969	0.2884 0.2862	0.3154	0.3003	Ave		0.3023				6.8		30.0			
1,2-Dichloropropane	+++++ 0.1771	0.2121 0.2038	0.2223 0.1861	0.2195	0.2215	Ave		0.2061				8.8		30.0			
Methyl methacrylate	+++++ 0.1269	+++++ 0.1580	0.1328 0.1727	0.1310	0.1756	Ave		0.1495				14.7		30.0			
Dibromomethane	+++++ 0.2364	0.2126 0.2605	0.2116 0.2658	0.2495	0.2499	Ave		0.2409				9.0		30.0			
1,4-Dioxane	+++++ 0.0614	+++++ 0.0772	+++++ 0.0735	0.0795	0.0805	Ave		0.0744				10.4		30.0			
Bromodichloromethane	+++++ 0.4322	0.3942 0.5030	0.4270 0.4812	0.5035	0.5081	Ave		0.4642				9.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.2619	0.2865 0.3314	0.3087 0.3189	0.3241	0.3467	Ave		0.3112				9.2		30.0			
methyl isobutyl ketone	+++++ 0.2524	+++++ 0.2919	0.2453 0.2984	0.2810	0.3042	Ave		0.2789				8.8		30.0			
Toluene	+++++ 0.3676	0.4416 0.5158	0.4824 0.4372	0.5249	0.4875	Ave		0.4653				11.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
n-Octane	+++++ 0.3269	0.4486 0.4014	0.4610 0.3624	0.4641	0.4619	Ave		0.4180				13.3		30.0			
trans-1,3-Dichloropropene	+++++ 0.2457	0.2514 0.3307	0.2775 0.3338	0.3006	0.3439	Ave		0.2977				13.6		30.0			
1,1,2-Trichloroethane	+++++ 0.1756	0.2086 0.2520	0.2332 0.2095	0.2577	0.2391	Ave		0.2251				12.8		30.0			
Tetrachloroethene	0.4196 0.4034	0.3915 0.5150	0.4188 0.4443	0.5205	0.4413	Ave		0.4443				10.9		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2764	+++++ 0.3651	0.2545 0.3178	0.3472	0.3101	Ave		0.3119				13.4		30.0			
Dibromochloromethane	+++++ 0.4103	0.3481 0.6168	0.3935 0.5451	0.5646	0.5377	Ave		0.4880				20.9		30.0			
1,2-Dibromoethane	+++++ 0.3391	0.3201 0.5014	0.3819 0.4297	0.4863	0.4553	Ave		0.4163				17.1		30.0			
Chlorobenzene	+++++ 0.4751	0.5885 0.7076	0.6360 0.6119	0.7041	0.6492	Ave		0.6246				12.7		30.0			
Ethylbenzene	+++++ 0.7460	0.8594 1.0754	0.9615 0.9765	1.0405	1.0229	Ave		0.9546				12.1		30.0			
n-Nonane	+++++ 0.3147	0.3796 0.4532	0.4325 0.3676	0.4896	0.4602	Ave		0.4139				14.9		30.0			
m,p-Xylene	+++++ 0.2930	0.3246 0.4137	0.3662 0.3649	0.4076	0.3969	Ave		0.3667				12.2		30.0			
Xylene, o-	+++++ 0.2886	0.3144 0.4034	0.3578 0.3653	0.3958	0.3869	Ave		0.3589				12.0		30.0			
Styrene	+++++ 0.4211	0.2559 0.6259	0.3594 0.5798	0.4505	0.5614	Ave		0.4649				28.5		30.0			
Bromoform	+++++ 0.3801	0.2690 0.5976	0.3230 0.5679	0.4941	0.5121	Ave		0.4491				28.1		30.0			
Cumene	+++++ 0.8513	0.9060 1.1890	1.0121 1.1211	1.1366	1.1234	Ave		1.0485				12.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4292	0.4788 0.5768	0.5350 0.5104	0.6070	0.5762	Ave		0.5305				11.8		30.0			
1,2,3-Trichloropropane	+++++ 0.3308	+++++ 0.4496	0.4207 0.3981	0.4752	0.4504	Ave		0.4208				12.2		30.0			
n-Propylbenzene	+++++ 1.0200	1.0125 1.3965	1.1283 1.2840	1.3765	1.3589	Ave		1.2253				13.8		30.0			
2-Chlorotoluene	+++++ 0.7370	0.8204 1.0297	0.9156 0.8704	1.0570	1.0104	Ave		0.9201				12.9		30.0			
4-Ethyltoluene	+++++ 0.8553	0.7938 1.1683	0.8879 1.0495	1.1280	1.1307	Ave		1.0019				15.3		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
n-Decane	+++++ 0.3911	+++++ 0.5142	0.3770 0.4400	0.4795	0.5350	Ave		0.4561				14.2		30.0			
1,3,5-Trimethylbenzene	+++++ 0.7369	0.6560 1.0249	0.7769 0.9687	0.9650	0.9751	Ave		0.8719				16.6		30.0			
Alpha Methyl Styrene	+++++ 0.3475	0.0689 0.5022	0.1880 0.4782	0.1318	0.4539	Ave		0.3101				57.7	*	30.0			
tert-Butylbenzene	+++++ 0.6983	0.7382 0.9668	0.8186 0.9261	0.9106	0.9207	Ave		0.8542				12.1		30.0			
1,2,4-Trimethylbenzene	+++++ 0.7314	0.6076 1.0125	0.7173 0.9539	0.9380	0.9536	Ave		0.8449				18.5		30.0			
sec-Butylbenzene	+++++ 1.0240	0.9881 1.4215	1.1422 1.3335	1.3542	1.3679	Ave		1.2330				14.4		30.0			
4-Isopropyltoluene	+++++ 0.8755	0.6714 1.1796	0.8105 1.0891	1.0776	1.1395	Ave		0.9776				19.7		30.0			
1,3-Dichlorobenzene	+++++ 0.4836	0.4603 0.6975	0.5196 0.6214	0.6562	0.6298	Ave		0.5812				15.9		30.0			
1,4-Dichlorobenzene	+++++ 0.4842	0.4585 0.7045	0.4866 0.6652	0.6342	0.6158	Ave		0.5784				17.2		30.0			
Benzyl chloride	+++++ 0.5902	0.4285 0.8599	0.4911 0.7942	0.7338	0.7548	Ave		0.6646				24.5		30.0			
n-Butylbenzene	+++++ 0.7995	0.5293 1.0456	0.6230 0.9769	0.9345	1.0094	Ave		0.8455				23.8		30.0			
n-Undecane	+++++ 0.4131	+++++ 0.4352	+++++ 0.3220	0.5044	0.3353	Ave		0.4020				18.7		30.0			
1,2-Dichlorobenzene	+++++ 0.4764	0.4464 0.6690	0.5189 0.6119	0.6477	0.6176	Ave		0.5697				15.5		30.0			
n-Dodecane	+++++ 0.3762	+++++ 0.3768	+++++ 0.0708	0.4731	0.2434	Ave		0.3081				50.6	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.3567	+++++ 0.4000	0.2641 0.1883	0.4061	0.3041	Ave		0.3199				26.5		30.0			
Hexachlorobutadiene	+++++ 0.3747	0.2916 0.4869	0.3163 0.2050	0.4414	0.4532	Ave		0.3670				27.7		30.0			
Naphthalene	+++++ 0.8278	+++++ 0.8268	0.5217 0.3522	0.9598	0.6147	Ave		0.6838				33.2	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.3363	0.2290 0.3564	0.2445 0.1113	0.3958	0.2737	Ave		0.2781				34.3	*	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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55509/4	clq04.d
Level 2	IC 200-55509/5	clq05.d
Level 3	IC 200-55509/6	clq06.d
Level 4	IC 200-55509/7	clq07.d
Level 5	ICIS 200-55509/8	clq08.d
Level 6	IC 200-55509/9	clq09.d
Level 7	IC 200-55509/10	clq10.d
Level 8	IC 200-55509/11	clq11.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
Propylene	BCM	Ave	+++++ 466050	+++++ 598405	+++++ 1140332	157104	320957	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 2092131	+++++ 2781117	65190 5581818	661987	1398107	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1052572	+++++ 1385364	34204 2707139	348677	717869	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2062450	25368 2703352	62472 5270296	653482	1373706	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 573094	+++++ 736703	20803 1430762	191777	389385	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 1005750	+++++ 1280920	36714 2420868	333159	686273	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1780 678121	8511 883635	21263 1705503	219626	459637	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 513890	6216 665143	15142 1291208	163155	345137	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 633505	7548 838101	19906 1662828	203341	421908	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 331998	+++++ 435433	10501 840093	110103	225175	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 698312	10216 896432	24554 1711218	237036	484896	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 701567	7712 924739	20122 1866666	212881	452558	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 2150060	24705 2903320	62796 5990206	661565	1410960	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 1184359	+++++ 1533180	39415 2954793	387058	802677	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 209302	+++++ 579425	67721 1451227	117580	190395	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Ethyl ether	BCM	Ave	+++++ 312579	4482 541174	12400 1138060	116439	291270	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 131631	+++++ 256370	+++++ 527909	54309	137928	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1393961	15903 1859209	40744 3709433	435185	926577	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 706828	8037 882260	18889 1740701	208667	441345	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 635051	+++++ 1044903	+++++ 2163626	320215	585207	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 2042314	+++++ 2701895	60023 5435388	672682	1361132	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 567636	+++++ 886675	+++++ 1811231	198634	426966	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 768368	10256 1007539	23919 2049889	277907	570088	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 303897	+++++ 607683	+++++ 1273246	118870	281349	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 692768	+++++ 907543	25775 1757224	231671	479503	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 928590	+++++ 1422040	+++++ 2979225	315003	660735	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1014308	11963 1326336	30487 2559365	328103	689037	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1348867	20880 2228917	51316 4791645	463090	1177893	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 326518	+++++ 516882	11411 1076225	110084	279132	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 1083662	14354 1404915	34557 2711237	349029	737377	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3402 1286140	15592 1700316	38001 3354288	412148	875332	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 987403	+++++ 1681754	+++++ 3579269	358657	929546	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 751102	8762 997825	22048 1995975	231408	500878	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 220991	+++++ 353705	13243 761278	77323	195373	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 38138	+++++ 63210	+++++ 143027	12402	34617	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 449659	+++++ 731923	+++++ 1523853	168424	413540	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Chloroform	BCM	Ave	+++++ 1628724	18789 2182568	47595 4396007	510219	1088178	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1838818	20544 2488803	52189 5075331	564855	1222445	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 1022087	11840 1351157	30268 2622128	323910	688238	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4330 1963369	19611 2670530	51784 5606576	583785	1292883	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2134635	27749 2943726	68072 5664521	712649	1518248	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3359773	40923 4397485	101763 8333212	1106786	2339348	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1002402	11807 1432583	31039 2816679	337499	719887	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1179119	14627 1539862	38043 2859835	397348	829534	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 245678	+++++ 421851	+++++ 850160	78890	187076	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2928 1143001	11811 1438623	30411 2849762	335951	715358	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 638545	9099 987598	23442 1853596	233780	527600	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 457493	+++++ 765704	14007 1720274	139594	418375	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 852484	9119 1262086	22315 2647323	265828	595317	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 221372	+++++ 374239	+++++ 731907	84702	191778	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1558566	16910 2437033	45028 4792537	536398	1210533	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 944322	12288 1605515	32554 3175579	345305	825996	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 910113	+++++ 1414329	25871 2971561	299295	724630	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1152187	17138 1981173	44326 4004481	430091	1051259	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1178631	19243 1944680	48617 3609415	494436	1100358	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 886075	10781 1602347	29266 3324352	320265	819299	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 550437	8096 967813	21431 1918803	211201	515528	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Tetrachloroethene	CBZ	Ave	3305 1264442	15193 1978197	38486 4070011	426470	951741	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 866402	+++++ 1402465	23386 2910916	284510	668830	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1286011	13512 2369089	36156 4992737	462613	1159485	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1062958	12424 1926075	35092 3936084	398460	981821	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1489160	22839 2718133	58445 5604292	576937	1400004	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 2338148	33356 4130654	88348 8944247	852580	2205916	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 986443	14734 1740792	39740 3366796	401173	992447	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 1836521	25195 3178337	67297 6685347	667915	1711896	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 904541	12204 1549455	32878 3345566	324309	834290	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 1320039	9932 2404157	33022 5310269	369183	1210579	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1191288	10441 2295575	29677 5201520	404909	1104327	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 2668457	35164 4567311	93002 10268977	931371	2422657	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1345311	18581 2215653	49164 4675116	497400	1242626	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1036936	+++++ 1727075	38654 3646215	389421	971295	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 3197184	39296 5364244	103681 11761098	1127962	2930394	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 2310071	31842 3955160	84136 7972492	866169	2178896	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 2680724	30808 4487784	81588 9612784	924301	2438287	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1225845	+++++ 1975220	34642 4030342	392935	1153776	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 2309721	25460 3936868	71386 8872556	790703	2102727	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 1089223	2674 1928922	17276 4380405	107975	978878	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 2188841	28652 3713763	75218 8482708	746207	1985542	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2292648	23581 3889177	65910 8737686	768650	2056358	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 3209521	38348 5460157	104956 12214009	1109654	2949787	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 2744114	26059 4530977	74477 9975965	882976	2457373	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1515753	17864 2679160	47742 5691508	537683	1358074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1517685	17794 2706248	44712 6093165	519697	1327926	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 1849849	16629 3302868	45130 7274154	601282	1627703	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 2505956	20544 4016431	57250 8948104	765721	2176777	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 1294869	+++++ 1671694	+++++ 2949199	413297	723024	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1493152	17326 2569700	47678 5604787	530707	1331768	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 1179300	+++++ 1447358	+++++ 648424	387709	524875	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1118160	+++++ 1536597	24267 1724850	332738	655690	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1174546	11318 1870320	29068 1877490	361714	977282	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 2594794	+++++ 3175972	47935 3226098	786506	1325509	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1054032	8887 1369007	22468 1019022	324291	590218	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
Propylene	Ave	0.6967	0.6474		9.29	10.0	-7.1	30.0
Dichlorodifluoromethane	Ave	3.173	3.146		9.91	10.0	-0.9	30.0
Freon 22	Ave	1.616	1.514		9.37	10.0	-6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.072		9.89	10.0	-1.1	30.0
Chloromethane	Ave	0.8924	0.8165		9.15	10.0	-8.5	30.0
n-Butane	Ave	1.556	1.404		9.02	10.0	-9.8	30.0
Vinyl chloride	Ave	1.046	0.9823		9.39	10.0	-6.1	30.0
1,3-Butadiene	Ave	0.7670	0.7540		9.83	10.0	-1.7	30.0
Bromomethane	Ave	0.9612	0.9000		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.5052	0.4746		9.39	10.0	-6.1	30.0
Isopentane	Ave	1.115	0.999		8.96	10.0	-10.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.043		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	3.219	3.272		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.807	1.668		9.23	10.0	-7.7	30.0
Ethanol	Ave	0.2995	0.3347		16.8	15.0	11.7	30.0
Ethyl ether	Ave	0.5902	0.6102		10.3	10.0	3.4	30.0
Acrolein	Ave	0.2697	0.2551		9.46	10.0	-5.4	30.0
Freon TF	Ave	2.077	2.280		11.0	10.0	9.8	30.0
1,1-Dichloroethene	Ave	1.001	1.089		10.9	10.0	8.7	30.0
Acetone	Ave	1.238	1.343		10.8	10.0	8.5	30.0
Carbon disulfide	Ave	3.083	3.035		9.84	10.0	-1.6	30.0
Isopropyl alcohol	Ave	0.9521	0.8599		9.03	10.0	-9.7	30.0
3-Chloropropene	Ave	1.227	1.083		8.82	10.0	-11.7	30.0
Acetonitrile	Ave	0.6081	0.6019		9.90	10.0	-1.0	30.0
Methylene Chloride	Ave	1.093	1.081		9.89	10.0	-1.1	30.0
tert-Butyl alcohol	Ave	1.526	1.404		9.20	10.0	-7.9	30.0
Methyl tert-butyl ether	Ave	2.479	2.693		10.9	10.0	8.6	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.509		9.91	10.0	-0.9	30.0
Acrylonitrile	Ave	0.5685	0.5871		10.3	10.0	3.3	30.0
n-Hexane	Ave	1.666	1.584		9.51	10.0	-4.9	30.0
1,1-Dichloroethane	Ave	1.971	1.909		9.68	10.0	-3.1	30.0
Vinyl acetate	Ave	1.832	1.926		10.5	10.0	5.1	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.151		10.3	10.0	2.7	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.4190		9.51	10.0	-4.9	30.0
Ethyl acetate	Ave	0.0689	0.0743		10.8	10.0	7.8	30.0
Tetrahydrofuran	Ave	0.1521	0.1566		10.3	10.0	3.0	30.0
Chloroform	Ave	2.439	2.450		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.5102		10.1	10.0	0.6	30.0
Cyclohexane	Ave	0.2831	0.2765		9.76	10.0	-2.3	30.0
Carbon tetrachloride	Ave	0.5249	0.5383		10.3	10.0	2.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
Benzene	Ave	0.6239	0.6025		9.66	10.0	-3.4	30.0
2,2,4-Trimethylpentane	Ave	0.9451	0.9123		9.65	10.0	-3.5	30.0
1,2-Dichloroethane	Ave	0.2922	0.2909		9.95	10.0	-0.4	30.0
n-Heptane	Ave	0.3364	0.3164		9.40	10.0	-6.0	30.0
n-Butanol	Ave	0.0786	0.0653		8.31	10.0	-16.9	30.0
Trichloroethene	Ave	0.3023	0.2869		9.49	10.0	-5.1	30.0
1,2-Dichloropropane	Ave	0.2061	0.1934		9.38	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1495	0.1584		10.6	10.0	5.9	30.0
1,4-Dioxane	Ave	0.0744	0.0642		8.62	10.0	-13.7	30.0
Dibromomethane	Ave	0.2409	0.2553		10.6	10.0	6.0	30.0
Bromodichloromethane	Ave	0.4642	0.4947		10.7	10.0	6.6	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3108		9.99	10.0	-0.1	30.0
methyl isobutyl ketone	Ave	0.2789	0.2764		9.91	10.0	-0.9	30.0
Toluene	Ave	0.4653	0.4515		9.70	10.0	-3.0	30.0
n-Octane	Ave	0.4180	0.4062		9.71	10.0	-2.8	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3087		10.4	10.0	3.7	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2062		9.16	10.0	-8.4	30.0
Tetrachloroethene	Ave	0.4443	0.4340		9.77	10.0	-2.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.2889		9.26	10.0	-7.4	30.0
Dibromochloromethane	Ave	0.4880	0.5353		11.0	10.0	9.7	30.0
1,2-Dibromoethane	Ave	0.4163	0.4105		9.86	10.0	-1.4	30.0
Chlorobenzene	Ave	0.6246	0.6021		9.64	10.0	-3.6	30.0
Ethylbenzene	Ave	0.9546	0.9568		10.0	10.0	0.2	30.0
n-Nonane	Ave	0.4139	0.4108		9.92	10.0	-0.8	30.0
m,p-Xylene	Ave	0.3667	0.3701		20.2	20.0	0.9	30.0
Xylene, o-	Ave	0.3589	0.3571		9.95	10.0	-0.5	30.0
Styrene	Ave	0.4649	0.5170		11.1	10.0	11.2	30.0
Bromoform	Ave	0.4491	0.5059		11.3	10.0	12.6	30.0
Cumene	Ave	1.049	1.087		10.4	10.0	3.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.4941		9.31	10.0	-6.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4086		9.71	10.0	-2.9	30.0
n-Propylbenzene	Ave	1.225	1.273		10.4	10.0	3.9	30.0
2-Chlorotoluene	Ave	0.9201	0.9478		10.3	10.0	3.0	30.0
4-Ethyltoluene	Ave	1.002	1.086		10.8	10.0	8.4	30.0
n-Decane	Ave	0.4561	0.4495		9.85	10.0	-1.5	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.9060		10.4	10.0	3.9	30.0
Alpha Methyl Styrene	Ave	0.3101	0.3933		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	0.8542	0.8924		10.4	10.0	4.5	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.8638		10.2	10.0	2.2	30.0
sec-Butylbenzene	Ave	1.233	1.286		10.4	10.0	4.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
4-Isopropyltoluene	Ave	0.9776	1.062		10.9	10.0	8.7	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5737		9.87	10.0	-1.3	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5625		9.72	10.0	-2.8	30.0
Benzyl chloride	Ave	0.6646	0.6907		10.4	10.0	3.9	30.0
n-Butylbenzene	Ave	0.8455	0.8945		10.6	10.0	5.8	30.0
n-Undecane	Ave	0.4020	0.3702		9.21	10.0	-7.9	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5435		9.54	10.0	-4.6	30.0
n-Dodecane	Ave	0.3081	0.2995		9.72	10.0	-2.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.2802		8.76	10.0	-12.4	30.0
Hexachlorobutadiene	Ave	0.3670	0.3781		10.3	10.0	3.0	30.0
Naphthalene	Ave	0.6838	0.6084		8.90	10.0	-11.0	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2588		9.30	10.0	-7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
Propylene	Ave	0.6967	0.9376		13.5	10.0	34.6*	30.0
Dichlorodifluoromethane	Ave	3.173	3.871		12.2	10.0	22.0	30.0
Freon 22	Ave	1.616	2.069		12.8	10.0	28.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.664		11.8	10.0	18.0	30.0
Chloromethane	Ave	0.8924	1.074		12.0	10.0	20.3	30.0
n-Butane	Ave	1.556	1.988		12.8	10.0	27.7	30.0
Vinyl chloride	Ave	1.046	1.238		11.8	10.0	18.4	30.0
1,3-Butadiene	Ave	0.7670	0.9664		12.6	10.0	26.0	30.0
Bromomethane	Ave	0.9612	1.023		10.6	10.0	6.4	30.0
Chloroethane	Ave	0.5052	0.5599		11.1	10.0	10.8	30.0
Isopentane	Ave	1.115	1.317		11.8	10.0	18.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.074		10.5	10.0	4.7	30.0
Trichlorofluoromethane	Ave	3.219	3.666		11.4	10.0	13.9	30.0
n-Pentane	Ave	1.807	2.250		12.5	10.0	24.5	30.0
Ethanol	Ave	0.2995	0.3204		21.4	20.0	7.0	30.0
Ethyl ether	Ave	0.5902	0.7149		12.1	10.0	21.1	30.0
Acrolein	Ave	0.2697	0.3459		12.8	10.0	28.3	30.0
Freon TF	Ave	2.077	2.271		10.9	10.0	9.4	30.0
1,1-Dichloroethene	Ave	1.001	1.058		10.6	10.0	5.7	30.0
Acetone	Ave	1.238	1.644		13.3	10.0	32.8*	30.0
Carbon disulfide	Ave	3.083	3.354		10.9	10.0	8.8	30.0
Isopropyl alcohol	Ave	0.9521	1.131		11.9	10.0	18.8	30.0
3-Chloropropene	Ave	1.227	1.507		12.3	10.0	22.9	30.0
Acetonitrile	Ave	0.6081	0.7957		13.1	10.0	30.8*	30.0
Methylene Chloride	Ave	1.093	1.270		11.6	10.0	16.2	30.0
tert-Butyl alcohol	Ave	1.526	1.739		11.4	10.0	14.0	30.0
Methyl tert-butyl ether	Ave	2.479	2.759		11.1	10.0	11.3	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.812		11.9	10.0	19.0	30.0
Acrylonitrile	Ave	0.5685	0.6889		12.1	10.0	21.2	30.0
n-Hexane	Ave	1.666	1.905		11.4	10.0	14.4	30.0
1,1-Dichloroethane	Ave	1.971	2.230		11.3	10.0	13.1	30.0
Vinyl acetate	Ave	1.832	2.357		12.9	10.0	28.6	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.236		11.0	10.0	10.3	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.4394		9.97	10.0	-0.3	30.0
Ethyl acetate	Ave	0.0689	0.0723		10.5	10.0	5.0	30.0
Tetrahydrofuran	Ave	0.1521	0.1848		12.1	10.0	21.5	30.0
Chloroform	Ave	2.439	2.819		11.6	10.0	15.6	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.5919		11.7	10.0	16.7	30.0
Cyclohexane	Ave	0.2831	0.3101		11.0	10.0	9.5	30.0
Carbon tetrachloride	Ave	0.5249	0.6234		11.9	10.0	18.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
Benzene	Ave	0.6239	0.6833		11.0	10.0	9.5	30.0
2,2,4-Trimethylpentane	Ave	0.9451	1.111		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.2922	0.3707		12.7	10.0	26.9	30.0
n-Heptane	Ave	0.3364	0.4146		12.3	10.0	23.2	30.0
n-Butanol	Ave	0.0786	0.0783		9.96	10.0	-0.4	30.0
Trichloroethene	Ave	0.3023	0.3303		10.9	10.0	9.2	30.0
1,2-Dichloropropane	Ave	0.2061	0.2411		11.7	10.0	17.0	30.0
Methyl methacrylate	Ave	0.1495	0.1655		11.1	10.0	10.7	30.0
1,4-Dioxane	Ave	0.0744	0.0796		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.2409	0.2581		10.7	10.0	7.1	30.0
Bromodichloromethane	Ave	0.4642	0.5708		12.3	10.0	23.0	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3805		12.2	10.0	22.3	30.0
methyl isobutyl ketone	Ave	0.2789	0.3073		11.0	10.0	10.2	30.0
Toluene	Ave	0.4653	0.4957		10.7	10.0	6.5	30.0
n-Octane	Ave	0.4180	0.5369		12.8	10.0	28.4	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3706		12.4	10.0	24.5	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2414		10.7	10.0	7.2	30.0
Tetrachloroethene	Ave	0.4443	0.4461		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.3036		9.73	10.0	-2.6	30.0
Dibromochloromethane	Ave	0.4880	0.5592		11.5	10.0	14.6	30.0
1,2-Dibromoethane	Ave	0.4163	0.4587		11.0	10.0	10.2	30.0
Chlorobenzene	Ave	0.6246	0.6471		10.4	10.0	3.6	30.0
Ethylbenzene	Ave	0.9546	1.009		10.6	10.0	5.7	30.0
n-Nonane	Ave	0.4139	0.4727		11.4	10.0	14.2	30.0
m,p-Xylene	Ave	0.3667	0.3816		20.8	20.0	4.1	30.0
Xylene, o-	Ave	0.3589	0.3720		10.4	10.0	3.7	30.0
Styrene	Ave	0.4649	0.5401		11.6	10.0	16.2	30.0
Bromoform	Ave	0.4491	0.4896		10.9	10.0	9.0	30.0
Cumene	Ave	1.049	1.085		10.3	10.0	3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.5403		10.2	10.0	1.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4366		10.4	10.0	3.8	30.0
n-Propylbenzene	Ave	1.225	1.297		10.6	10.0	5.9	30.0
2-Chlorotoluene	Ave	0.9201	0.9925		10.8	10.0	7.9	30.0
4-Ethyltoluene	Ave	1.002	1.064		10.6	10.0	6.2	30.0
n-Decane	Ave	0.4561	0.5249		11.5	10.0	15.1	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.9232		10.6	10.0	5.9	30.0
Alpha Methyl Styrene	Ave	0.3101	0.4190		13.5	10.0	35.1*	30.0
tert-Butylbenzene	Ave	0.8542	0.8720		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.9036		10.7	10.0	7.0	30.0
sec-Butylbenzene	Ave	1.233	1.282		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
4-Isopropyltoluene	Ave	0.9776	1.057		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5978		10.3	10.0	2.9	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5778		9.99	10.0	-0.1	30.0
Benzyl chloride	Ave	0.6646	0.6676		10.0	10.0	0.5	30.0
n-Butylbenzene	Ave	0.8455	0.9495		11.2	10.0	12.3	30.0
n-Undecane	Ave	0.4020	0.3228		8.03	10.0	-19.7	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5881		10.3	10.0	3.2	30.0
n-Dodecane	Ave	0.3081	0.2558		8.30	10.0	-17.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.3017		9.43	10.0	-5.7	30.0
Hexachlorobutadiene	Ave	0.3670	0.4317		11.8	10.0	17.6	30.0
Naphthalene	Ave	0.6838	0.6817		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2669		9.60	10.0	-4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
Acetonitrile	Ave	0.6081	0.0000		5.00	10.0	-100.0*	30.0
Propylene	Ave	0.6967	1.019		14.6	10.0	46.2*	30.0
Dichlorodifluoromethane	Ave	3.173	4.163		13.1	10.0	31.2*	30.0
Freon 22	Ave	1.616	2.214		13.7	10.0	37.1*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.947		12.7	10.0	27.1	30.0
Chloromethane	Ave	0.8924	1.152		12.9	10.0	29.1	30.0
n-Butane	Ave	1.556	2.141		13.8	10.0	37.6*	30.0
Vinyl chloride	Ave	1.046	1.324		12.7	10.0	26.6	30.0
1,3-Butadiene	Ave	0.7670	1.032		13.5	10.0	34.6*	30.0
Bromomethane	Ave	0.9612	1.097		11.4	10.0	14.1	30.0
Chloroethane	Ave	0.5052	0.5983		11.8	10.0	18.4	30.0
Isopentane	Ave	1.115	1.383		12.4	10.0	24.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.132		11.0	10.0	10.3	30.0
Trichlorofluoromethane	Ave	3.219	3.899		12.1	10.0	21.1	30.0
n-Pentane	Ave	1.807	2.370		13.1	10.0	31.2*	30.0
Ethanol	Ave	0.2995	0.3169		21.2	20.0	5.8	30.0
Ethyl ether	Ave	0.5902	0.6782		11.5	10.0	14.9	30.0
Acrolein	Ave	0.2697	0.3001		11.1	10.0	11.3	30.0
Freon TF	Ave	2.077	2.389		11.5	10.0	15.1	30.0
1,1-Dichloroethene	Ave	1.001	1.123		11.2	10.0	12.1	30.0
Acetone	Ave	1.238	1.473		11.9	10.0	19.0	30.0
Carbon disulfide	Ave	3.083	3.568		11.6	10.0	15.7	30.0
Isopropyl alcohol	Ave	0.9521	1.179		12.4	10.0	23.8	30.0
3-Chloropropene	Ave	1.227	1.542		12.6	10.0	25.7	30.0
Methylene Chloride	Ave	1.093	1.345		12.3	10.0	23.1	30.0
tert-Butyl alcohol	Ave	1.526	1.867		12.2	10.0	22.3	30.0
Methyl tert-butyl ether	Ave	2.479	2.564		10.3	10.0	3.4	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.913		12.6	10.0	25.6	30.0
Acrylonitrile	Ave	0.5685	0.6329		11.1	10.0	11.3	30.0
n-Hexane	Ave	1.666	2.007		12.0	10.0	20.5	30.0
1,1-Dichloroethane	Ave	1.971	2.361		12.0	10.0	19.8	30.0
Vinyl acetate	Ave	1.832	2.080		11.4	10.0	13.5	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.260		11.2	10.0	12.5	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.3864		8.77	10.0	-12.3	30.0
Ethyl acetate	Ave	0.0689	0.0654		9.50	10.0	-5.0	30.0
Tetrahydrofuran	Ave	0.1521	0.1663		10.9	10.0	9.4	30.0
Chloroform	Ave	2.439	2.930		12.0	10.0	20.1	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.6081		12.0	10.0	19.9	30.0
Cyclohexane	Ave	0.2831	0.3170		11.2	10.0	12.0	30.0
Carbon tetrachloride	Ave	0.5249	0.6417		12.2	10.0	22.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
Benzene	Ave	0.6239	0.7053		11.3	10.0	13.1	30.0
2,2,4-Trimethylpentane	Ave	0.9451	1.149		12.2	10.0	21.5	30.0
1,2-Dichloroethane	Ave	0.2922	0.3820		13.1	10.0	30.8*	30.0
n-Heptane	Ave	0.3364	0.4325		12.9	10.0	28.6	30.0
n-Butanol	Ave	0.0786	0.0828		10.5	10.0	5.3	30.0
Trichloroethene	Ave	0.3023	0.3392		11.2	10.0	12.2	30.0
1,2-Dichloropropane	Ave	0.2061	0.2355		11.4	10.0	14.3	30.0
Methyl methacrylate	Ave	0.1495	0.1407		9.41	10.0	-5.9	30.0
1,4-Dioxane	Ave	0.0744	0.0744		9.99	10.0	-0.0	30.0
Dibromomethane	Ave	0.2409	0.2614		10.8	10.0	8.5	30.0
Bromodichloromethane	Ave	0.4642	0.5815		12.5	10.0	25.3	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3680		11.8	10.0	18.3	30.0
methyl isobutyl ketone	Ave	0.2789	0.3182		11.4	10.0	14.1	30.0
Toluene	Ave	0.4653	0.4954		10.6	10.0	6.5	30.0
n-Octane	Ave	0.4180	0.5306		12.7	10.0	26.9	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3424		11.5	10.0	15.0	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2425		10.8	10.0	7.7	30.0
Tetrachloroethene	Ave	0.4443	0.4815		10.8	10.0	8.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.3499		11.2	10.0	12.2	30.0
Dibromochloromethane	Ave	0.4880	0.5758		11.8	10.0	18.0	30.0
1,2-Dibromoethane	Ave	0.4163	0.4617		11.1	10.0	10.9	30.0
Chlorobenzene	Ave	0.6246	0.6524		10.4	10.0	4.5	30.0
Ethylbenzene	Ave	0.9546	0.9704		10.2	10.0	1.7	30.0
n-Nonane	Ave	0.4139	0.4754		11.5	10.0	14.8	30.0
m,p-Xylene	Ave	0.3667	0.3635		19.8	20.0	-0.9	30.0
Xylene, o-	Ave	0.3589	0.3523		9.81	10.0	-1.8	30.0
Styrene	Ave	0.4649	0.5108		11.0	10.0	9.9	30.0
Bromoform	Ave	0.4491	0.5003		11.1	10.0	11.4	30.0
Cumene	Ave	1.049	1.023		9.75	10.0	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.5205		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4138		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	1.225	1.208		9.86	10.0	-1.4	30.0
2-Chlorotoluene	Ave	0.9201	0.9611		10.4	10.0	4.5	30.0
4-Ethyltoluene	Ave	1.002	0.9868		9.85	10.0	-1.5	30.0
n-Decane	Ave	0.4561	0.4603		10.1	10.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.8495		9.74	10.0	-2.6	30.0
Alpha Methyl Styrene	Ave	0.3101	0.3881		12.5	10.0	25.2	30.0
tert-Butylbenzene	Ave	0.8542	0.7988		9.35	10.0	-6.5	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.8289		9.81	10.0	-1.9	30.0
sec-Butylbenzene	Ave	1.233	1.172		9.50	10.0	-5.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
4-Isopropyltoluene	Ave	0.9776	0.9463		9.68	10.0	-3.2	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5566		9.58	10.0	-4.2	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5332		9.22	10.0	-7.8	30.0
Benzyl chloride	Ave	0.6646	0.6115		9.20	10.0	-8.0	30.0
n-Butylbenzene	Ave	0.8455	0.8440		9.98	10.0	-0.2	30.0
n-Undecane	Ave	0.4020	0.4104		10.2	10.0	2.1	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5371		9.43	10.0	-5.7	30.0
n-Dodecane	Ave	0.3081	0.3213		10.4	10.0	4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.3118		9.74	10.0	-2.5	30.0
Hexachlorobutadiene	Ave	0.3670	0.3629		9.88	10.0	-1.1	30.0
Naphthalene	Ave	0.6838	0.7439		10.9	10.0	8.8	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2933		10.5	10.0	5.4	30.0

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CLQ	Start Date: 5/13/13 Time: 2115	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/14/13 Time: 2115	CCV Container ID: see comments	Instrument: 5973
ICAL Date: 5/13/13		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   Kristine Dusablon   William DesRosiers
Pat O'...   Kristine Dusablon   William DesRosiers WRD

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
2115	CLQ 01	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
2204	02	12683	VIBLK		1	200		✓	✓		
2257	03	12683	VIBLK		1	200		✓	✓		
2349	04	5466	IC-08		2	40			✓		
0042	05	5466	-01		2	200		N/A	✓		
0135	06	5464	-02		3	200			✓		
0227	07	5449	-03		4	200			✓		Curve Good for
0320	08	3152	ICIS-04		5	200			✓		all 74 only
0412	09	3646	IC-05		6	200			✓		+ MN
0505	10	3413	-06		7	200			✓		1 outage - Nap 33.2%
0558	11	3308	-07		8	200			✓		
0650	12	12683	VIBLK		1	200			✓		
0743	13	12683	VIBLK		1	200		✓	✓		
0836	14	4785	ICV		9	200		✓	✓		
0928	15	12683	VIBLK		1	200		✓	✓		AG
1028	CLQ 16	4785	LCS	N/A	9	200	WRD	✓	✓		
1120	17	12683	MB		1	200		✓	✓		
1213	18	4954	16372-1	10	10	20		✓	✓		'
1305	19	4954	-10U	10	10	20		✓	✓		Tics ✓ C
1358	20	4465	16320-1	1	11	200		✓	✓		Tics ✓ C
1451	21	4465	-10U	1	11	200		✓	✓		Tics ✓ C
1545	22	4359	16393-10	0.2	12	1000		✓	✓		Tics ✓ C
1640	23	2508	16397-11	0.2	13	1000		✓	✓	WRD	
1734	24	4203	16401-6	0.2	14	1000		✓	✓		
1828	25	3044	16402-8	0.2	15	1000		✓	↑		
1921	CLQ 26	4158	16709-1	1	16	200	WRD	✓	↑		Reclean
2013	27	4088	-82	1	1	200		✓	↑	PAD	Ace 45
2106	28	5027	-3	1	2	200		✓	↑		Ace 44
											Ace 52

PAD 5/14/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: CLQI	Start Date: 5/28/13	Time: 0909	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/29/13	Time: 0909	CCV Container ID: 4199319	Instrument: 5973
ICAL Date: 5#55509			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
0909	CLQI01	N/A	BFB	N/A			WM	—	✓	BL	
1003	02	2640	CCV15		2	200		—	↑		All Fails ↑ - Btex+Styrene+Napth - 05
1055	03	4785	LCS		3	200		✓	↑		⊥ ⊥
1148	04	4632	MB		4	⊥		✓	✓		
1252	05	0843	Cert 28	0.2	6	1000	BL	✓	✓		
1345	06	1785	Cert 29	0.4	7	500		✓	✓	WRD	
1438	07	0848	Cert 30	⊥	8	500		✓	✓		
1530	08	4183	16640-01	1	9	200		✓	✓		
1622	09	5121	- 02		10			✓	✓		
1715	10	2639	- 03		11			✓	✓		
1808	11	4284	- 04		12			✓	✓		
1900	12	3483	- 05		13			✓	✓		
1954	13	4554	16615-08	0.8	14	1000		✓	✓		
2048	14	3534	- 09		15			✓	✓		Reclean
2142	15	5021	- 10		16			✓	✓		
2235	16	3034	16658-01	1	1	200		✓	✓		
2327	17	2734	- 02		2			✓	✓		
0020	18	5132	- 09		3			✓	✓		
0112	19	5110	- 10		4			✓	✓		
0204	20	4073	- 11		86			✓	✓		
0257	21	4822	- 12		87			✓	✓		
0349	22	4908	16643-01		8			✓	✓		
0441	23	3349	⊥ 02		9			✓	✓		
0535	24	2945	16615-11	0.2	10	1000	WM	✓	✓		
0630	25	5164	⊥ -12	⊥	11	⊥	⊥	✓	✓		

BK 5/29/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CLQ	Start Date: 5/13/13 Time: 2115	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/14/13 Time: 2115	CCV Container ID: see comments	Instrument: 5973
ICAL Date: 5/13/13		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 — Kristine Dusablon / Kristine Dusablon — William DesJardins / WD

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
2115	CLQ 01	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
2204	02	12683	VIBLK		1	200		✓	✓		
2257	03	12683	VIBLK		1	200		✓	✓		
2349	04	5466	IC-08		2	40		N/A	✓		
0042	05	5466	-01		2	200			✓		
0135	06	5464	-02		3	200			✓		Curve Good for
0227	07	5449	-03		4	200			✓		all 74 only
0320	08	3152	ICIS-04		5	200			✓		+ MN
0412	09	3646	IC-05		6	200			✓		1 outage - Nap 33.2%
0505	10	3413	-06		7	200			✓		
0558	11	3308	-07		8	200			✓		
0650	12	12683	VIBLK		1	200		✓	✓		
0743	13	12683	VIBLK		1	200		✓	✓		
0836	14	4785	ICV		9	200		✓	✓		AG
0928	15	12683	VIBLK		1	200		✓	✓		
1028	CLQ 16	4785	LCS	N/A	9	200	WRD	✓	✓		
1120	17	12683	MB		1	200		✓	✓		
1213	18	4954	16372-1	10	10	20		✓	✓		TICs ✓ C
1305	19	4954	-1DU	10	10	20		✓	✓		TICs ✓ C
1358	20	4465	16390-1	1	11	200		✓	✓		TICs ✓ C
1451	21	4465	-1DU	1	11	200		✓	✓		TICs ✓ C
1545	22	4359	16393-10	0.2	12	1000		✓	✓	WRD	
1640	23	2508	16397-11	0.2	13	1000		✓	✓		
1734	24	4303	16401-6	0.2	14	1000		✓	✓		
1828	25	3044	16401-8	0.2	15	1000		✓	↑		Reclean
1921	CLQ 26	4158	16709-1	1	16	200	WRD	✓	↑	PAD	Ace 45
2013	27	4088	-32	1	1	200		✓	↑		Ace 44
2106	28	5027	-3	1	2	200		✓	↑		Ace 52

PAD 5/14/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

BRFAI020:03.21.12:6
TestAmerica Burlington

GC/MS Air Instrument Run Log

Sequence		Standard Traceability		Instrument Information
Target Batch ID: CLGH-	Start Date: 5/24/13 Time: 0902	ISTD Container ID:	248052	Instrument ID: C
Test Method: TO15	End Date: 5/25/13 Time: 0902	CCV Container ID:	499518	Instrument: 5973
ICAL Date:		ICV/LCS Container ID:	489492	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

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
0902	CLGH001		BFB	NA	NA	NA	WJB	NA			
0954	02	5049	CCV/LCS		2	100		NA	NA	WJB	
1047	03	4785	LCS		3	200		✓	✓		20 ppb propanol, acet AG
1139	04	4632	MB		4	200		✓	✓		
1232	05	3810	16547-9	10	6	20		✓	✓		
1325	06	4655	-10	1	7	200		✓	✓		THF↑
1418	07	3841	-11		8			✓	✓		
1511	08	4486	-12		9			✓	✓		
1604	09	4859	-13		10			✓	✓		
1656	10	4841	-14		11			✓	✓		
1749	11	4844	-15	10	12	20		✓	✓		
1841	12	4650	-16	2.99	13	67		✓	✓		
1934	13	3596	-17	2	14	100		✓	✓		THF↑
2026	14	3722	-18	2	15	100		✓	✓		
2118	15	3618	-19	1	16	200		✓	✓		
2210	16	Bag	16624-1	1	1	200		✓	✓		
2302	17	Bag	-2		2	200		✓	✓		
2355	18	0091	16634-1	44.8	3	20		✓			CDF 448 TO3
0047	19	1495	-2	1.64	4	200		✓			1 1.64 ✓
0141	20	3231	16615-1	0.2	6	1000	WAD	✓	✓		
0236	21	4305	-2		7			✓	✓		
0330	22	5027	-3		8			✓	✓		
0425	23	4365	16616-7	0.2	9			✓	✓		
0519	24	4808	16617-2	0.2	10			✓	✓		MeCl2↑ OK [illegible]
0614	25	1307	16615-4	0.2	11	1000	WJB	✓	✓		
0708	26	3275	-5	1	12			✓	✓		
0802	27	4150	16615-6	0.2	13	1000	PAD	✓	✓		
0855	28	5111	-7		14			✓	✓		
—	29	4554	-8		15			✓	✓		[illegible]

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • √=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/12/2013 21:15

Analysis Batch Number: 55509 End Date: 05/13/2013 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-55509/1		05/12/2013 21:15	1	c1q01.d	RTX-624 0.32(mm)
VIBLK 200-55509/2		05/12/2013 22:04	1		RTX-624 0.32(mm)
VIBLK 200-55509/3		05/12/2013 22:57	1		RTX-624 0.32(mm)
IC 200-55509/4		05/12/2013 23:49	1	c1q04.d	RTX-624 0.32(mm)
IC 200-55509/5		05/13/2013 00:42	1	c1q05.d	RTX-624 0.32(mm)
IC 200-55509/6		05/13/2013 01:35	1	c1q06.d	RTX-624 0.32(mm)
IC 200-55509/7		05/13/2013 02:27	1	c1q07.d	RTX-624 0.32(mm)
ICIS 200-55509/8		05/13/2013 03:20	1	c1q08.d	RTX-624 0.32(mm)
IC 200-55509/9		05/13/2013 04:12	1	c1q09.d	RTX-624 0.32(mm)
IC 200-55509/10		05/13/2013 05:05	1	c1q10.d	RTX-624 0.32(mm)
IC 200-55509/11		05/13/2013 05:58	1	c1q11.d	RTX-624 0.32(mm)
VIBLK 200-55509/12		05/13/2013 06:50	1		RTX-624 0.32(mm)
VIBLK 200-55509/13		05/13/2013 07:43	1		RTX-624 0.32(mm)
ICV 200-55509/14		05/13/2013 08:36	1	c1q14.d	RTX-624 0.32(mm)
VIBLK 200-55509/15		05/13/2013 09:28	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 10:28	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 11:20	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 12:13	10		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 13:05	10		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 13:58	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 14:51	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 15:45	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 16:40	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 17:34	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 18:28	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 19:21	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 20:13	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 21:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/28/2013 09:09

Analysis Batch Number: 56146 End Date: 05/29/2013 06:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56146/1		05/28/2013 09:09	1	clqi01.d	RTX-624 0.32(mm)
CCVIS 200-56146/2		05/28/2013 10:03	1	clqi02.d	RTX-624 0.32(mm)
LCS 200-56146/3		05/28/2013 10:55	1	clqi03.d	RTX-624 0.32(mm)
MB 200-56146/4		05/28/2013 11:48	1	clqi04.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 12:52	0.2		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 12:52	0.2		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 13:45	0.4		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 14:38	0.4		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 15:30	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 16:22	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 17:15	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 18:08	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 19:00	1		RTX-624 0.32(mm)
200-16615-8	4554	05/28/2013 19:54	0.2	clqi13.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 20:48	0.2		RTX-624 0.32(mm)
200-16615-10	5021	05/28/2013 21:42	0.2	clqi15.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 22:35	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 23:27	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 00:20	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 01:12	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 02:04	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 02:57	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 03:49	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 04:41	1		RTX-624 0.32(mm)
200-16615-11	2945	05/29/2013 05:35	0.2	clqi24.d	RTX-624 0.32(mm)
200-16615-12	5164	05/29/2013 06:30	0.2	clqi25.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/24/2013 09:02

Analysis Batch Number: 56177 End Date: 05/25/2013 08:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56177/1		05/24/2013 09:02	1	c1qh01.d	RTX-624 0.32(mm)
CCVIS 200-56177/2		05/24/2013 09:54	1	c1qh02.d	RTX-624 0.32(mm)
LCS 200-56177/3		05/24/2013 10:47	1	c1qh03.d	RTX-624 0.32(mm)
MB 200-56177/4		05/24/2013 11:39	1	c1qh04.d	RTX-624 0.32(mm)
ZZZZZ		05/24/2013 12:32	10		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 13:25	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 14:18	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 15:11	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 16:04	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 16:56	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 17:49	10		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 18:41	2.99		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 19:34	2		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 20:26	2		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 21:18	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 22:10	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 23:02	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 23:55	44.8		RTX-624 0.32(mm)
ZZZZZ		05/25/2013 00:47	1.64		RTX-624 0.32(mm)
200-16615-1	3236	05/25/2013 01:41	0.2	c1qh20.d	RTX-624 0.32(mm)
200-16615-2	4305	05/25/2013 02:36	0.2	c1qh21.d	RTX-624 0.32(mm)
200-16615-3	5027	05/25/2013 03:30	0.2	c1qh22.d	RTX-624 0.32(mm)
ZZZZZ		05/25/2013 04:25	0.2		RTX-624 0.32(mm)
ZZZZZ		05/25/2013 05:19	0.2		RTX-624 0.32(mm)
200-16615-4	4307	05/25/2013 06:14	0.2	c1qh25.d	RTX-624 0.32(mm)
200-16615-5	3275	05/25/2013 07:08	0.2	c1qh26.d	RTX-624 0.32(mm)
200-16615-6	4150	05/25/2013 08:02	0.2	c1qh27.d	RTX-624 0.32(mm)
200-16615-7	5111	05/25/2013 08:55	0.2	c1qh28.d	RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	
Company:	Walter Coke
Address:	3500 35th Avenue North
City/State/Zip	Birmingham, AL 35207
Phone:	205-808-7803
FAX:	
Project Name:	Vapor Intrusion Characterization
Site:	Walter Coke
PO #	

Project Manager:	Terry Ripstein
Phone:	205-942-1289
Email:	twripstein@terracon.com
Site Contact:	Don Wiggins (Walter Coke)
TA Contact:	
Analysis Turnaround Time	
Standard (Specify)	✓
Rush (Specify)	

Samples Collected By: B. Kyle Haggard and Eric Rendon

1 of 2 COCs

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV40811-053013	5/30/13	1042	1112	-30	-5.0	4612	5111	X									X		
SV40771-053013	5/30/13	1055	1127	-30	-5.0	4977	5027	X									X		
SV40812-053013	5/30/13	1155	1225	-30	-6.5	4603	4150	X									X		
SV40772-053013	5/30/13	1201	1237	-30	-5.0	4630	4307	X									X		
CS40811-053013	5/30-31/13	1121	1121	-30	-2	5000	3275	X											X
DUP-053013	5/30-31/13	1121	1121	-30	-2	4574	4305	X											X

200-16861 COC

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Other - Air in Crawlspace beneath Residence
Please email report to Project Manager.
Please send the invoice to Client/Site Contact.
Please mail the hard copy/original report to Project Manager @ Terracon - Terry Ripstein 110 12th Street North, Birmingham Alabama 35203

Samples Shipped by: Eric Rendon via FedEx	Date/Time: 5/31/13 - 1600 hours	Samples Received by: FedEx
Samples Relinquished by:	Date/Time:	Received by: [illegible] TA BUR 6/3/13 945
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Rippstein	Samples Collected By: B. Kyle Hayward and Eric Reardon	2 of 2 COCs
Company: Walter Coke	Phone: 205-942-1289		
Address: 3500 35th Avenue North	Email: trippstein@terracon.com		
City/State/Zip Birmingham, AL 35207			
Phone: 205-505-7803	Site Contact: Dan Wissman (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion Characterization	**Analysis Turnaround Time**		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BG-053013	5/30-31/13	1020	1151	-29	-5.5	5237	3236	X								X			
ER																			

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page 1 of 2. - ER

Samples Shipped by: Eric Reardon via FedEx	Date/Time: 5/31/13 - 1600 hours	Samples Received by: FedEx	
Samples Relinquished by:	Date/Time:	Received by: Alan Parker TRANSA	6/3/13 945
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

From: (205) 942-1289
Lisa Shaman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: CZCA

FedEx Express

J13111302120326

Ship Date: 31MAY13
ActWgt: 26.0 LB
CAD: 101319659/INET3370

Delivery Address Bar Code

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive, Suite 11

S BURLINGTON, VT 05403

Ref # E1137075
Invoice #
PO #
Dept #

1 of 2

MON - 03 JUN 3:00P
STANDARD OVERNIGHT

TRK# 7998 9513 8952
0201

MASTER

SB BTVA

05403
VT-US
BTV

518G1/D777/33AB

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From: (205) 942-1289
Lisa Sharman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: CZCA

FedEx Express

J13111302120326

Ship Date: 31MAY13
ActWgt 33.0 LB
CAD: 101319659/INET3370

Delivery Address Bar Code

Ref # E1137075
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive, Suite 11

S BURLINGTON, VT 05403

2 of 2

MPS# 7998 9513 9043
0263

Mstr# 7998 9513 8952 0201

SB BTVA

MON - 03 JUN 3:00P
STANDARD OVERNIGHT

05403
VT-US
BTV

518G1/D777/33AB

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG Number: 200-16861

Login Number: 16861
List Source: TestAmerica Burlington
List Number: 1
Creator: Poucher, Stephanie A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 200-17995-1

SDG Number: 200-17995

Job Description: Walter Coke VI Characterization

For:
Terracon Consultants Inc fka Gallet Asso
110 12th Street North
Birmingham, AL 35203

Attention: Mr. Terry Rippstein

Approved for release.
Don C Dawicki
Customer Service Manager
9/13/2013 7:33 AM

Don C Dawicki, Customer Service Manager
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
09/13/2013

cc: Mr. Travis Stamper

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Table of Contents

CASE NARRATIVE

Client: Terracon Consultants Inc fka Gallet Asso

Project: Walter Coke VI Characterization

Report Number: 200-17995-1

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 08/19/2013; the samples arrived in good condition,

VOLATILE ORGANIC COMPOUNDS
Samples SV40771-081513, SV40812-081513, SV40811-081613 and SV40772-081613 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 08/23/2013.

No difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS
Samples CS40811-081513, DUP-081513 and BG-081513 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 09/02/2013 and 09/03/2013.

Vinyl chloride failed the recovery criteria high for LCS 200-60773/4. Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 60673 recovered above the upper control limit for trans-1,2 Dichloroethene and vinyl chloride . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Samples CS40811-081513[2.99X], DUP-081513[2.99X] and BG-081513[2.99X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Low Level VOC analysis.

All other quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: B.i Analysis Batch Number: 60131

Lab Sample ID: IC 200-60131/4 Client Sample ID:

Date Analyzed: 08/21/13 10:53 Lab File ID: blb004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethane	8.76	Peak not found by the data system	pd	08/22/13 14:26

Lab Sample ID: IC 200-60131/5 Client Sample ID:

Date Analyzed: 08/21/13 11:46 Lab File ID: blb005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromoethene(Vinyl Bromide)	5.35	Peak not found by the data system	pd	08/22/13 14:18

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Analysis Batch Number: 60577

Lab Sample ID: IC 200-60577/4 Client Sample ID:

Date Analyzed: 08/28/13 12:59 Lab File ID: efy004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	6.27	Baseline event	wrd	09/02/13 11:34
Bromoform	16.59	Baseline event	wrd	09/02/13 11:36

Lab Sample ID: IC 200-60577/5 Client Sample ID:

Date Analyzed: 08/28/13 13:55 Lab File ID: efy005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	4.61	Baseline event	wrd	09/02/13 11:36
Bromoethene(Vinyl Bromide)	4.98	Baseline event	wrd	09/02/13 11:37
Methyl tert-butyl ether	7.73	Baseline event	wrd	09/02/13 11:38

Lab Sample ID: IC 200-60577/6 Client Sample ID:

Date Analyzed: 08/28/13 14:52 Lab File ID: efy006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	7.06	Baseline event	wrd	09/02/13 11:40

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Analysis Batch Number: 60768

Lab Sample ID: IC 200-60768/4 Client Sample ID:

Date Analyzed: 08/28/13 12:59 Lab File ID: efy004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	6.27	Baseline event	wrd	09/02/13 11:34

Lab Sample ID: IC 200-60768/6 Client Sample ID:

Date Analyzed: 08/28/13 14:52 Lab File ID: efy006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:07

Lab Sample ID: IC 200-60768/7 Client Sample ID:

Date Analyzed: 08/28/13 15:48 Lab File ID: efy007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:08

Lab Sample ID: ICIS 200-60768/8 Client Sample ID:

Date Analyzed: 08/28/13 16:44 Lab File ID: efy008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:09

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Analysis Batch Number: 60768

Lab Sample ID: IC 200-60768/9 Client Sample ID:

Date Analyzed: 08/28/13 17:40 Lab File ID: efy009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:09

Lab Sample ID: IC 200-60768/10 Client Sample ID:

Date Analyzed: 08/28/13 18:36 Lab File ID: efy010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:10

Lab Sample ID: IC 200-60768/11 Client Sample ID:

Date Analyzed: 08/28/13 19:32 Lab File ID: efy011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:11

Lab Sample ID: IC 200-60768/12 Client Sample ID:

Date Analyzed: 08/28/13 20:27 Lab File ID: efy012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:11

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Analysis Batch Number: 60768

Lab Sample ID: IC 200-60768/13 Client Sample ID:

Date Analyzed: 08/28/13 21:22 Lab File ID: efy013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:12

Lab Sample ID: ICV 200-60768/16 Client Sample ID:

Date Analyzed: 08/29/13 00:07 Lab File ID: efy016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Analysis Batch Number: 60773

Lab Sample ID: CCVIS 200-60773/3 Client Sample ID:

Date Analyzed: 09/02/13 12:24 Lab File ID: efyc003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.53	Peak not found by the data system	wrd	09/06/13 11:36

Lab Sample ID: LCS 200-60773/4 Client Sample ID:

Date Analyzed: 09/02/13 13:20 Lab File ID: efyc004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.52	Peak not found by the data system	wrd	09/06/13 11:37

SAMPLE SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-17995-1	SV40771-081513	Air	08/15/2013 1014	08/19/2013 0840
200-17995-2	SV40812-081513	Air	08/15/2013 1024	08/19/2013 0840
200-17995-3	CS40811-081513	Air	08/16/2013 1120	08/19/2013 0840
200-17995-4	DUP-081513	Air	08/16/2013 1120	08/19/2013 0840
200-17995-5	BG-081513	Air	08/16/2013 1150	08/19/2013 0840
200-17995-6	SV40811-081613	Air	08/16/2013 1313	08/19/2013 0840
200-17995-7	SV40772-081613	Air	08/16/2013 1319	08/19/2013 0840

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-17995-1	**SV40771-081513**					
cis-1,2-Dichloroethene		0.14	J	0.20	ppb v/v	TO-15
cis-1,2-Dichloroethene		0.54	J	0.79	ug/m3	TO-15
Benzene		0.83		0.20	ppb v/v	TO-15
Benzene		2.6		0.64	ug/m3	TO-15
Trichloroethene		0.040		0.040	ppb v/v	TO-15
Trichloroethene		0.22		0.21	ug/m3	TO-15
Toluene		1.0		0.20	ppb v/v	TO-15
Toluene		3.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.11		0.040	ppb v/v	TO-15
Tetrachloroethene		0.77		0.27	ug/m3	TO-15
Ethylbenzene		0.17	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.72	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.43	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.9	J	2.2	ug/m3	TO-15
o-Xylene		0.20		0.20	ppb v/v	TO-15
o-Xylene		0.86		0.87	ug/m3	TO-15
Xylenes, Total		0.62		0.20	ppb v/v	TO-15
Xylenes, Total		2.7		0.87	ug/m3	TO-15
Chlorobenzene		0.087	J	0.20	ppb v/v	TO-15
Chlorobenzene		0.40	J	0.92	ug/m3	TO-15
200-17995-2	**SV40812-081513**					
Benzene		0.94		0.20	ppb v/v	TO-15
Benzene		3.0		0.64	ug/m3	TO-15
Toluene		0.48		0.20	ppb v/v	TO-15
Toluene		1.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.074		0.040	ppb v/v	TO-15
Tetrachloroethene		0.50		0.27	ug/m3	TO-15
Ethylbenzene		0.10	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.44	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.10	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		0.45	J	2.2	ug/m3	TO-15
o-Xylene		0.70		0.20	ppb v/v	TO-15
o-Xylene		3.0		0.87	ug/m3	TO-15
Xylenes, Total		0.80		0.20	ppb v/v	TO-15
Xylenes, Total		3.5		0.87	ug/m3	TO-15
Chlorobenzene		1.4		0.20	ppb v/v	TO-15
Chlorobenzene		6.5		0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-17995-3	**CS40811-081513**					
Benzene		0.099		0.030	ppb v/v	TO15 LL
Benzene		0.32		0.096	ug/m3	TO15 LL
Toluene		0.21		0.030	ppb v/v	TO15 LL
Toluene		0.81		0.11	ug/m3	TO15 LL
Ethylbenzene		0.035		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.15		0.13	ug/m3	TO15 LL
o-Xylene		0.040		0.030	ppb v/v	TO15 LL
o-Xylene		0.17		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.11		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.46		0.26	ug/m3	TO15 LL
Xylenes, Total		0.15		0.030	ppb v/v	TO15 LL
Xylenes, Total		0.63		0.13	ug/m3	TO15 LL
200-17995-4	**DUP-081513**					
Benzene		0.10		0.030	ppb v/v	TO15 LL
Benzene		0.33		0.096	ug/m3	TO15 LL
Toluene		0.22		0.030	ppb v/v	TO15 LL
Toluene		0.81		0.11	ug/m3	TO15 LL
Ethylbenzene		0.040		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.17		0.13	ug/m3	TO15 LL
o-Xylene		0.041		0.030	ppb v/v	TO15 LL
o-Xylene		0.18		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.11		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.47		0.26	ug/m3	TO15 LL
Xylenes, Total		0.15		0.030	ppb v/v	TO15 LL
Xylenes, Total		0.65		0.13	ug/m3	TO15 LL
200-17995-5	**BG-081513**					
Benzene		0.86		0.030	ppb v/v	TO15 LL
Benzene		2.7		0.096	ug/m3	TO15 LL
Toluene		0.85		0.030	ppb v/v	TO15 LL
Toluene		3.2		0.11	ug/m3	TO15 LL
Ethylbenzene		0.18		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.78		0.13	ug/m3	TO15 LL
o-Xylene		0.19		0.030	ppb v/v	TO15 LL
o-Xylene		0.82		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.52		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		2.2		0.26	ug/m3	TO15 LL
Xylenes, Total		0.71		0.030	ppb v/v	TO15 LL
Xylenes, Total		3.1		0.13	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-17995-6	**SV40811-081613**					
Benzene		0.26		0.20	ppb v/v	TO-15
Benzene		0.84		0.64	ug/m3	TO-15
Toluene		0.36		0.20	ppb v/v	TO-15
Toluene		1.4		0.75	ug/m3	TO-15
Tetrachloroethene		0.15		0.040	ppb v/v	TO-15
Tetrachloroethene		1.0		0.27	ug/m3	TO-15
Ethylbenzene		0.055	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.24	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.093	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		0.41	J	2.2	ug/m3	TO-15
o-Xylene		0.40		0.20	ppb v/v	TO-15
o-Xylene		1.7		0.87	ug/m3	TO-15
Xylenes, Total		0.49		0.20	ppb v/v	TO-15
Xylenes, Total		2.1		0.87	ug/m3	TO-15
Chlorobenzene		0.42		0.20	ppb v/v	TO-15
Chlorobenzene		1.9		0.92	ug/m3	TO-15
200-17995-7	**SV40772-081613**					
Benzene		1.2		0.20	ppb v/v	TO-15
Benzene		3.9		0.64	ug/m3	TO-15
Toluene		1.8		0.20	ppb v/v	TO-15
Toluene		6.8		0.75	ug/m3	TO-15
Tetrachloroethene		0.60		0.040	ppb v/v	TO-15
Tetrachloroethene		4.1		0.27	ug/m3	TO-15
Ethylbenzene		0.16	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.70	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.28	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.2	J	2.2	ug/m3	TO-15
o-Xylene		0.77		0.20	ppb v/v	TO-15
o-Xylene		3.3		0.87	ug/m3	TO-15
Xylenes, Total		1.0		0.20	ppb v/v	TO-15
Xylenes, Total		4.5		0.87	ug/m3	TO-15
Chlorobenzene		1.7		0.20	ppb v/v	TO-15
Chlorobenzene		7.7		0.92	ug/m3	TO-15

METHOD SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL BUR	EPA TO15 LL	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD
EPA TO15 LL	Desjardins, William R	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **SV40771-081513**

Lab Sample ID: 200-17995-1
Client Matrix: Air

Date Sampled: 08/15/2013 1014
Date Received: 08/19/2013 0840

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-60183	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	blba022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2013 0721			Final Weight/Volume:	200 mL
Prep Date:	08/23/2013 0721			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.040	U	0.040
1,1-Dichloroethene	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
cis-1,2-Dichloroethene	0.14	J	0.20
Benzene	0.83		0.20
Trichloroethene	0.040		0.040
Toluene	1.0		0.20
Tetrachloroethene	0.11		0.040
Ethylbenzene	0.17	J	0.20
m-Xylene & p-Xylene	0.43	J	0.50
o-Xylene	0.20		0.20
Xylenes, Total	0.62		0.20
Chlorobenzene	0.087	J	0.20

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.10	U	0.10
1,1-Dichloroethene	0.79	U	0.79
trans-1,2-Dichloroethene	0.79	U	0.79
cis-1,2-Dichloroethene	0.54	J	0.79
Benzene	2.6		0.64
Trichloroethene	0.22		0.21
Toluene	3.8		0.75
Tetrachloroethene	0.77		0.27
Ethylbenzene	0.72	J	0.87
m-Xylene & p-Xylene	1.9	J	2.2
o-Xylene	0.86		0.87
Xylenes, Total	2.7		0.87
Chlorobenzene	0.40	J	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **SV40812-081513**

Lab Sample ID: 200-17995-2
Client Matrix: Air

Date Sampled: 08/15/2013 1024
Date Received: 08/19/2013 0840

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-60183	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	blba023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2013 0813			Final Weight/Volume:	200 mL
Prep Date:	08/23/2013 0813			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.040	U	0.040
1,1-Dichloroethene	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
Benzene	0.94		0.20
Trichloroethene	0.040	U	0.040
Toluene	0.48		0.20
Tetrachloroethene	0.074		0.040
Ethylbenzene	0.10	J	0.20
m-Xylene & p-Xylene	0.10	J	0.50
o-Xylene	0.70		0.20
Xylenes, Total	0.80		0.20
Chlorobenzene	1.4		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.10	U	0.10
1,1-Dichloroethene	0.79	U	0.79
trans-1,2-Dichloroethene	0.79	U	0.79
cis-1,2-Dichloroethene	0.79	U	0.79
Benzene	3.0		0.64
Trichloroethene	0.21	U	0.21
Toluene	1.8		0.75
Tetrachloroethene	0.50		0.27
Ethylbenzene	0.44	J	0.87
m-Xylene & p-Xylene	0.45	J	2.2
o-Xylene	3.0		0.87
Xylenes, Total	3.5		0.87
Chlorobenzene	6.5		0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **SV40811-081613**

Lab Sample ID: 200-17995-6
Client Matrix: Air

Date Sampled: 08/16/2013 1313
Date Received: 08/19/2013 0840

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-60183	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	blba024.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2013 0904			Final Weight/Volume:	200 mL
Prep Date:	08/23/2013 0904			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.040	U	0.040
1,1-Dichloroethene	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
Benzene	0.26		0.20
Trichloroethene	0.040	U	0.040
Toluene	0.36		0.20
Tetrachloroethene	0.15		0.040
Ethylbenzene	0.055	J	0.20
m-Xylene & p-Xylene	0.093	J	0.50
o-Xylene	0.40		0.20
Xylenes, Total	0.49		0.20
Chlorobenzene	0.42		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.10	U	0.10
1,1-Dichloroethene	0.79	U	0.79
trans-1,2-Dichloroethene	0.79	U	0.79
cis-1,2-Dichloroethene	0.79	U	0.79
Benzene	0.84		0.64
Trichloroethene	0.21	U	0.21
Toluene	1.4		0.75
Tetrachloroethene	1.0		0.27
Ethylbenzene	0.24	J	0.87
m-Xylene & p-Xylene	0.41	J	2.2
o-Xylene	1.7		0.87
Xylenes, Total	2.1		0.87
Chlorobenzene	1.9		0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **SV40772-081613**

Lab Sample ID: 200-17995-7
Client Matrix: Air

Date Sampled: 08/16/2013 1319
Date Received: 08/19/2013 0840

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-60183	Instrument ID:	B.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	blba025.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	08/23/2013 0956			Final Weight/Volume:	200 mL
Prep Date:	08/23/2013 0956			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.040	U	0.040
1,1-Dichloroethene	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
Benzene	1.2		0.20
Trichloroethene	0.040	U	0.040
Toluene	1.8		0.20
Tetrachloroethene	0.60		0.040
Ethylbenzene	0.16	J	0.20
m-Xylene & p-Xylene	0.28	J	0.50
o-Xylene	0.77		0.20
Xylenes, Total	1.0		0.20
Chlorobenzene	1.7		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.10	U	0.10
1,1-Dichloroethene	0.79	U	0.79
trans-1,2-Dichloroethene	0.79	U	0.79
cis-1,2-Dichloroethene	0.79	U	0.79
Benzene	3.9		0.64
Trichloroethene	0.21	U	0.21
Toluene	6.8		0.75
Tetrachloroethene	4.1		0.27
Ethylbenzene	0.70	J	0.87
m-Xylene & p-Xylene	1.2	J	2.2
o-Xylene	3.3		0.87
Xylenes, Total	4.5		0.87
Chlorobenzene	7.7		0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **CS40811-081513**

Lab Sample ID: 200-17995-3
Client Matrix: Air

Date Sampled: 08/16/2013 1120
Date Received: 08/19/2013 0840

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-60773	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efyc014.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	09/02/2013 2233			Final Weight/Volume:	500 mL
Prep Date:	09/02/2013 2233			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.060	U *	0.060
1,1-Dichloroethene	0.030	U	0.030
trans-1,2-Dichloroethene	0.030	U	0.030
cis-1,2-Dichloroethene	0.030	U	0.030
Benzene	0.099		0.030
Trichloroethene	0.030	U	0.030
Toluene	0.21		0.030
Tetrachloroethene	0.030	U	0.030
Ethylbenzene	0.035		0.030
o-Xylene	0.040		0.030
m-Xylene & p-Xylene	0.11		0.060
Xylenes, Total	0.15		0.030
Chlorobenzene	0.12	U	0.12

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.15	U *	0.15
1,1-Dichloroethene	0.12	U	0.12
trans-1,2-Dichloroethene	0.12	U	0.12
cis-1,2-Dichloroethene	0.12	U	0.12
Benzene	0.32		0.096
Trichloroethene	0.16	U	0.16
Toluene	0.81		0.11
Tetrachloroethene	0.20	U	0.20
Ethylbenzene	0.15		0.13
o-Xylene	0.17		0.13
m-Xylene & p-Xylene	0.46		0.26
Xylenes, Total	0.63		0.13
Chlorobenzene	0.55	U	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **DUP-081513**

Lab Sample ID: 200-17995-4
Client Matrix: Air

Date Sampled: 08/16/2013 1120
Date Received: 08/19/2013 0840

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-60773	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efyc015.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	09/02/2013 2328			Final Weight/Volume:	500 mL
Prep Date:	09/02/2013 2328			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.060	U *	0.060
1,1-Dichloroethene	0.030	U	0.030
trans-1,2-Dichloroethene	0.030	U	0.030
cis-1,2-Dichloroethene	0.030	U	0.030
Benzene	0.10		0.030
Trichloroethene	0.030	U	0.030
Toluene	0.22		0.030
Tetrachloroethene	0.030	U	0.030
Ethylbenzene	0.040		0.030
o-Xylene	0.041		0.030
m-Xylene & p-Xylene	0.11		0.060
Xylenes, Total	0.15		0.030
Chlorobenzene	0.12	U	0.12

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.15	U *	0.15
1,1-Dichloroethene	0.12	U	0.12
trans-1,2-Dichloroethene	0.12	U	0.12
cis-1,2-Dichloroethene	0.12	U	0.12
Benzene	0.33		0.096
Trichloroethene	0.16	U	0.16
Toluene	0.81		0.11
Tetrachloroethene	0.20	U	0.20
Ethylbenzene	0.17		0.13
o-Xylene	0.18		0.13
m-Xylene & p-Xylene	0.47		0.26
Xylenes, Total	0.65		0.13
Chlorobenzene	0.55	U	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Client Sample ID: **BG-081513**

Lab Sample ID: 200-17995-5
Client Matrix: Air

Date Sampled: 08/16/2013 1150
Date Received: 08/19/2013 0840

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-60773	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efyc016.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	09/03/2013 0024			Final Weight/Volume:	500 mL
Prep Date:	09/03/2013 0024			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Vinyl chloride	0.060	U *	0.060
1,1-Dichloroethene	0.030	U	0.030
trans-1,2-Dichloroethene	0.030	U	0.030
cis-1,2-Dichloroethene	0.030	U	0.030
Benzene	0.86		0.030
Trichloroethene	0.030	U	0.030
Toluene	0.85		0.030
Tetrachloroethene	0.030	U	0.030
Ethylbenzene	0.18		0.030
o-Xylene	0.19		0.030
m-Xylene & p-Xylene	0.52		0.060
Xylenes, Total	0.71		0.030
Chlorobenzene	0.12	U	0.12

Analyte	Result (ug/m3)	Qualifier	RL
Vinyl chloride	0.15	U *	0.15
1,1-Dichloroethene	0.12	U	0.12
trans-1,2-Dichloroethene	0.12	U	0.12
cis-1,2-Dichloroethene	0.12	U	0.12
Benzene	2.7		0.096
Trichloroethene	0.16	U	0.16
Toluene	3.2		0.11
Tetrachloroethene	0.20	U	0.20
Ethylbenzene	0.78		0.13
o-Xylene	0.82		0.13
m-Xylene & p-Xylene	2.2		0.26
Xylenes, Total	3.1		0.13
Chlorobenzene	0.55	U	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Method Blank - Batch: 200-60183

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-60183/5	Analysis Batch:	200-60183	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	blba005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2013 1454	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2013 1454			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Vinyl chloride	0.040	U	0.040
1,1-Dichloroethene	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
Benzene	0.20	U	0.20
Trichloroethene	0.040	U	0.040
Toluene	0.20	U	0.20
Tetrachloroethene	0.040	U	0.040
Ethylbenzene	0.20	U	0.20
m-Xylene & p-Xylene	0.50	U	0.50
o-Xylene	0.20	U	0.20
Xylenes, Total	0.20	U	0.20
Chlorobenzene	0.20	U	0.20

Method Blank - Batch: 200-60183

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-60183/5	Analysis Batch:	200-60183	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	blba005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2013 1454	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	08/22/2013 1454			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Vinyl chloride	0.10	U	0.10
1,1-Dichloroethene	0.79	U	0.79
trans-1,2-Dichloroethene	0.79	U	0.79
cis-1,2-Dichloroethene	0.79	U	0.79
Benzene	0.64	U	0.64
Trichloroethene	0.21	U	0.21
Toluene	0.75	U	0.75
Tetrachloroethene	0.27	U	0.27
Ethylbenzene	0.87	U	0.87
m-Xylene & p-Xylene	2.2	U	2.2
o-Xylene	0.87	U	0.87
Xylenes, Total	0.87	U	0.87
Chlorobenzene	0.92	U	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Control Sample - Batch: 200-60183

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-60183/4	Analysis Batch:	200-60183	Instrument ID:	B.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	blba004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	08/22/2013 1401	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	08/22/2013 1401			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	10.0	8.61	86	70 - 130	
1,1-Dichloroethene	10.0	10.5	105	70 - 130	
trans-1,2-Dichloroethene	10.0	9.49	95	70 - 130	
cis-1,2-Dichloroethene	10.0	9.87	99	70 - 130	
Benzene	10.0	9.31	93	70 - 130	
Trichloroethene	10.0	9.00	90	70 - 130	
Toluene	10.0	9.29	93	70 - 130	
Tetrachloroethene	10.0	8.90	89	70 - 130	
Ethylbenzene	10.0	9.41	94	70 - 130	
m-Xylene & p-Xylene	20.0	18.6	93	70 - 130	
o-Xylene	10.0	9.17	92	70 - 130	
Chlorobenzene	10.0	9.21	92	70 - 130	

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Method Blank - Batch: 200-60773

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-60773/5	Analysis Batch:	200-60773	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efyc005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	09/02/2013 1415	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	09/02/2013 1415			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Vinyl chloride	0.020	U	0.020
1,1-Dichloroethene	0.010	U	0.010
trans-1,2-Dichloroethene	0.010	U	0.010
cis-1,2-Dichloroethene	0.010	U	0.010
Benzene	0.010	U	0.010
Trichloroethene	0.010	U	0.010
Toluene	0.010	U	0.010
Tetrachloroethene	0.010	U	0.010
Ethylbenzene	0.010	U	0.010
o-Xylene	0.010	U	0.010
m-Xylene & p-Xylene	0.020	U	0.020
Xylenes, Total	0.010	U	0.010
Chlorobenzene	0.040	U	0.040

Method Blank - Batch: 200-60773

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-60773/5	Analysis Batch:	200-60773	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efyc005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	09/02/2013 1415	Units:	ug/m3	Final Weight/Volume:	500 mL
Prep Date:	09/02/2013 1415			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Vinyl chloride	0.051	U	0.051
1,1-Dichloroethene	0.040	U	0.040
trans-1,2-Dichloroethene	0.040	U	0.040
cis-1,2-Dichloroethene	0.040	U	0.040
Benzene	0.032	U	0.032
Trichloroethene	0.054	U	0.054
Toluene	0.038	U	0.038
Tetrachloroethene	0.068	U	0.068
Ethylbenzene	0.043	U	0.043
o-Xylene	0.043	U	0.043
m-Xylene & p-Xylene	0.087	U	0.087
Xylenes, Total	0.043	U	0.043
Chlorobenzene	0.18	U	0.18

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

Lab Control Sample - Batch: 200-60773

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	LCS 200-60773/4	Analysis Batch:	200-60773	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efyc004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	09/02/2013 1320	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	09/02/2013 1320			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	0.200	0.370	185	70 - 130	*
1,1-Dichloroethene	0.200	0.209	104	70 - 130	
trans-1,2-Dichloroethene	0.200	0.247	123	70 - 130	
cis-1,2-Dichloroethene	0.200	0.204	102	70 - 130	
Benzene	0.200	0.211	105	70 - 130	
Trichloroethene	0.200	0.205	102	70 - 130	
Toluene	0.200	0.190	95	70 - 130	
Tetrachloroethene	0.200	0.205	102	70 - 130	
Ethylbenzene	0.200	0.209	105	70 - 130	
o-Xylene	0.200	0.198	99	70 - 130	
m-Xylene & p-Xylene	0.400	0.415	104	70 - 130	
Chlorobenzene	0.200	0.219	109	70 - 130	

DATA REPORTING QUALIFIERS

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

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.

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
Sdg Number: 200-17995

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-60183					
LCS 200-60183/4	Lab Control Sample	T	Air	TO-15	
MB 200-60183/5	Method Blank	T	Air	TO-15	
200-17995-1	SV40771-081513	T	Air	TO-15	
200-17995-2	SV40812-081513	T	Air	TO-15	
200-17995-6	SV40811-081613	T	Air	TO-15	
200-17995-7	SV40772-081613	T	Air	TO-15	
Analysis Batch:200-60773					
LCS 200-60773/4	Lab Control Sample	T	Air	TO15 LL	
MB 200-60773/5	Method Blank	T	Air	TO15 LL	
200-17995-3	CS40811-081513	T	Air	TO15 LL	
200-17995-4	DUP-081513	T	Air	TO15 LL	
200-17995-5	BG-081513	T	Air	TO15 LL	

Report Basis
T = Total

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
SDG: 200-17995

Laboratory Chronicle

Lab ID: 200-17995-1 **Client ID:** SV40771-081513

Sample Date/Time: 08/15/2013 10:14 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-1		200-60183		08/23/2013 07:21	1	TAL BUR	WRD
A:TO-15	200-17995-A-1		200-60183		08/23/2013 07:21	1	TAL BUR	WRD

Lab ID: 200-17995-2 **Client ID:** SV40812-081513

Sample Date/Time: 08/15/2013 10:24 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-2		200-60183		08/23/2013 08:13	1	TAL BUR	WRD
A:TO-15	200-17995-A-2		200-60183		08/23/2013 08:13	1	TAL BUR	WRD

Lab ID: 200-17995-3 **Client ID:** CS40811-081513

Sample Date/Time: 08/16/2013 11:20 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-3		200-60773		09/02/2013 22:33	2.99	TAL BUR	WRD
A:TO15 LL	200-17995-A-3		200-60773		09/02/2013 22:33	2.99	TAL BUR	WRD

Lab ID: 200-17995-4 **Client ID:** DUP-081513

Sample Date/Time: 08/16/2013 11:20 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-4		200-60773		09/02/2013 23:28	2.99	TAL BUR	WRD
A:TO15 LL	200-17995-A-4		200-60773		09/02/2013 23:28	2.99	TAL BUR	WRD

Lab ID: 200-17995-5 **Client ID:** BG-081513

Sample Date/Time: 08/16/2013 11:50 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-5		200-60773		09/03/2013 00:24	2.99	TAL BUR	WRD
A:TO15 LL	200-17995-A-5		200-60773		09/03/2013 00:24	2.99	TAL BUR	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
SDG: 200-17995

Laboratory Chronicle

Lab ID: 200-17995-6 **Client ID:** SV40811-081613

Sample Date/Time: 08/16/2013 13:13 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-6		200-60183		08/23/2013 09:04	1	TAL BUR	WRD
A:TO-15	200-17995-A-6		200-60183		08/23/2013 09:04	1	TAL BUR	WRD

Lab ID: 200-17995-7 **Client ID:** SV40772-081613

Sample Date/Time: 08/16/2013 13:19 Received Date/Time: 08/19/2013 08:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-17995-A-7		200-60183		08/23/2013 09:56	1	TAL BUR	WRD
A:TO-15	200-17995-A-7		200-60183		08/23/2013 09:56	1	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-60183/5		200-60183		08/22/2013 14:54	1	TAL BUR	WRD
A:TO-15	MB 200-60183/5		200-60183		08/22/2013 14:54	1	TAL BUR	WRD
P:Summa Canister	MB 200-60773/5		200-60773		09/02/2013 14:15	1	TAL BUR	WRD
A:TO15 LL	MB 200-60773/5		200-60773		09/02/2013 14:15	1	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-60183/4		200-60183		08/22/2013 14:01	1	TAL BUR	WRD
A:TO-15	LCS 200-60183/4		200-60183		08/22/2013 14:01	1	TAL BUR	WRD
P:Summa Canister	LCS 200-60773/4		200-60773		09/02/2013 13:20	1	TAL BUR	WRD
A:TO15 LL	LCS 200-60773/4		200-60773		09/02/2013 13:20	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Terracon Consultants Inc fka Gallet Asso
Project/Site: Walter Coke VI Characterization

TestAmerica Job ID: 200-17995-1
SDG: 200-17995

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

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

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Matrix: Air Level: Low Lab File ID: efyc004.d

Lab ID: LCS 200-60773/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.370	185	70-130	*
1,1-Dichloroethene	0.200	0.209	104	70-130	
trans-1,2-Dichloroethene	0.200	0.247	123	70-130	
cis-1,2-Dichloroethene	0.200	0.204	102	70-130	
Benzene	0.200	0.211	105	70-130	
Trichloroethene	0.200	0.205	102	70-130	
Toluene	0.200	0.190	95	70-130	
Tetrachloroethene	0.200	0.205	102	70-130	
Ethylbenzene	0.200	0.209	105	70-130	
o-Xylene	0.200	0.198	99	70-130	
m-Xylene & p-Xylene	0.400	0.415	104	70-130	
Chlorobenzene	0.200	0.219	109	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: efyc005.d Lab Sample ID: MB 200-60773/5

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

Instrument ID: E.i Date Analyzed: 09/02/2013 14:15

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 200-60773/4	efyc004.d	09/02/2013 13:20
CS40811-081513	200-17995-3	efyc014.d	09/02/2013 22:33
DUP-081513	200-17995-4	efyc015.d	09/02/2013 23:28
BG-081513	200-17995-5	efyc016.d	09/03/2013 00:24

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: efy001.d BFB Injection Date: 08/28/2013

Instrument ID: E.i BFB Injection Time: 10:18

Analysis Batch No.: 60577

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	44.3	
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	0.8	(0.9)1
174	50.0 - 120.0% of mass 95	92.9	
175	4.0 - 9.0 % of mass 174	7.0	(7.6)1
176	93.0 - 101.0% of mass 174	89.7	(96.6)1
177	5.0 - 9.0% of mass 176	6.0	(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
	IC 200-60577/4	efy004.d	08/28/2013	12:59
	IC 200-60577/5	efy005.d	08/28/2013	13:55
	IC 200-60577/6	efy006.d	08/28/2013	14:52
	IC 200-60577/7	efy007.d	08/28/2013	15:48
	ICIS 200-60577/8	efy008.d	08/28/2013	16:44
	IC 200-60577/9	efy009.d	08/28/2013	17:40
	IC 200-60577/10	efy010.d	08/28/2013	18:36
	IC 200-60577/11	efy011.d	08/28/2013	19:32
	IC 200-60577/12	efy012.d	08/28/2013	20:27
	IC 200-60577/13	efy013.d	08/28/2013	21:22

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: efy001.d BFB Injection Date: 08/28/2013

Instrument ID: E.i BFB Injection Time: 10:18

Analysis Batch No.: 60768

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	44.3	
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	0.8	(0.9)1
174	50.0 - 120.0% of mass 95	92.9	
175	4.0 - 9.0 % of mass 174	7.0	(7.6)1
176	93.0 - 101.0% of mass 174	89.7	(96.6)1
177	5.0 - 9.0% of mass 176	6.0	(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
	IC 200-60768/4	efy004.d	08/28/2013	12:59
	IC 200-60768/5	efy005.d	08/28/2013	13:55
	IC 200-60768/6	efy006.d	08/28/2013	14:52
	IC 200-60768/7	efy007.d	08/28/2013	15:48
	ICIS 200-60768/8	efy008.d	08/28/2013	16:44
	IC 200-60768/9	efy009.d	08/28/2013	17:40
	IC 200-60768/10	efy010.d	08/28/2013	18:36
	IC 200-60768/11	efy011.d	08/28/2013	19:32
	IC 200-60768/12	efy012.d	08/28/2013	20:27
	IC 200-60768/13	efy013.d	08/28/2013	21:22
	ICV 200-60768/16	efy016.d	08/29/2013	00:07

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: efyc001.d BFB Injection Date: 09/02/2013

Instrument ID: E.i BFB Injection Time: 10:39

Analysis Batch No.: 60773

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	17.5	
75	30.0 - 66.0% of mass 95	49.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.8	(1.0)1
174	50.0 - 120.0% of mass 95	85.7	
175	4.0 - 9.0 % of mass 174	6.1	(7.1)1
176	93.0 - 101.0% of mass 174	81.1	(94.7)1
177	5.0 - 9.0% of mass 176	5.3	(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
	CCVIS 200-60773/3	efyc003.d	09/02/2013	12:24
	LCS 200-60773/4	efyc004.d	09/02/2013	13:20
	MB 200-60773/5	efyc005.d	09/02/2013	14:15
CS40811-081513	200-17995-3	efyc014.d	09/02/2013	22:33
DUP-081513	200-17995-4	efyc015.d	09/02/2013	23:28
BG-081513	200-17995-5	efyc016.d	09/03/2013	00:24

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Sample No.: ICIS 200-60768/8 Date Analyzed: 08/28/2013 16:44

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efy008.d Heated Purge: (Y/N) N

Calibration ID: 23153

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		985733	9.91	4947324	11.36	4554469	15.49
UPPER LIMIT		1380026	10.24	6926254	11.69	6376257	15.82
LOWER LIMIT		591440	9.58	2968394	11.03	2732681	15.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-60768/16		1178624	9.91	5972016	11.36	5477512	15.49

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 TO15 LL

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Sample No.: CCVIS 200-60773/3 Date Analyzed: 09/02/2013 12:24

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efyc003.d Heated Purge: (Y/N) N

Calibration ID: 23153

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		715181	9.91	3588212	11.36	3375203	15.49
UPPER LIMIT		1001253	10.24	5023497	11.69	4725284	15.82
LOWER LIMIT		429109	9.58	2152927	11.03	2025122	15.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-60773/4		707511	9.91	3506079	11.36	3257686	15.49
MB 200-60773/5		865380	9.91	4529719	11.36	3514191	15.49
200-17995-3	CS40811-081513	702811	9.91	3622881	11.36	3315298	15.49
200-17995-4	DUP-081513	668750	9.91	3391817	11.36	3096242	15.49
200-17995-5	BG-081513	645238	9.91	3241203	11.36	2968298	15.49

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 TO15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: CS40811-081513 Lab Sample ID: 200-17995-3

Matrix: Air Lab File ID: efyc014.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:20

Sample wt/vol: 167(mL) Date Analyzed: 09/02/2013 22:33

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U *	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.099		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.21		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.035		0.030	0.030
95-47-6	o-Xylene	106.17	0.040		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.11		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.15		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: CS40811-081513 Lab Sample ID: 200-17995-3

Matrix: Air Lab File ID: efyc014.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:20

Sample wt/vol: 167(mL) Date Analyzed: 09/02/2013 22:33

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U *	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.32		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	0.81		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.15		0.13	0.13
95-47-6	o-Xylene	106.17	0.17		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	0.46		0.26	0.26
1330-20-7	Xylenes, Total	106.17	0.63		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-3
Client Smp ID: CS40811-081513
Inj Date : 02-SEP-2013 22:33
Operator : wrd Inst ID: E.i
Smp Info : 200-17995-A-3
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 14
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

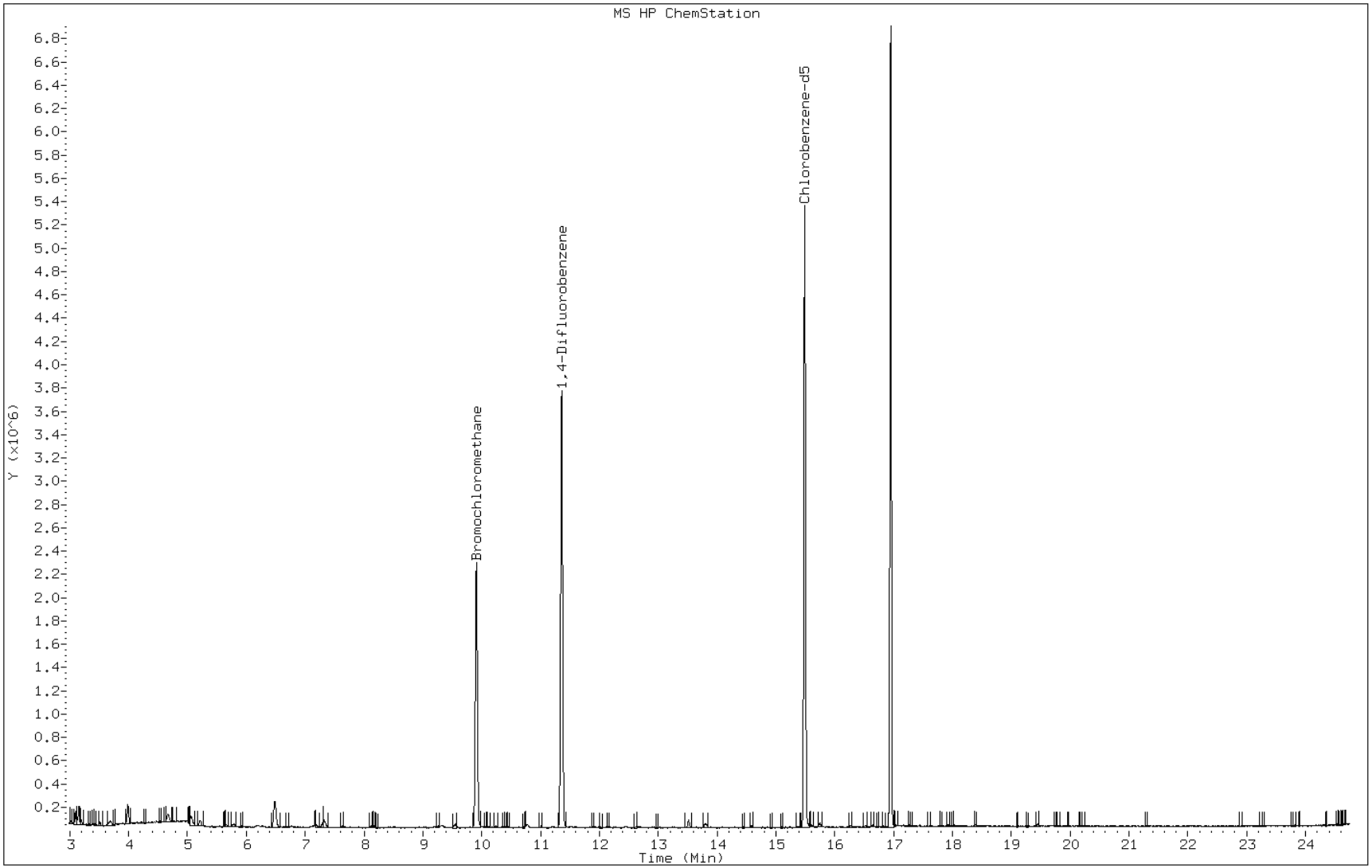
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	136710	0.23519	0.70
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	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	5.073	5.079	(0.512)	58920	0.09432	0.28
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	11006	0.02735	0.082(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.347	7.352	(0.741)	14538	0.06932	0.21(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.133	8.139	(0.821)	13672	0.03914	0.12
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	702811	2.00000	(Q)
	39 Chloroform	83	10.006	10.000	(1.010)	5445	0.01215	0.036(Q)
	40 Cyclohexane	84	10.230	10.252	(0.901)	2228	0.00675	0.020(aQ)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.439	10.444	(0.919)	11939	0.02430	0.073(Q)
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	25888	0.02606	0.078
	44 Benzene	78	10.781	10.787	(0.949)	21918	0.03303	0.099
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.017	11.011	(0.970)	6415	0.01158	0.035
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3622881	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.515	13.515	(0.873)	34127	0.07185	0.21
	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	15.489	15.489	(1.000)	3315298	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.596	15.596	(1.007)	10962	0.01176	0.035
	69 Xylene (m,p)	106	15.740	15.751	(1.016)	12445	0.03544	0.10
M	70 Xylene, Total	106				17057	0.04877	0.14
	71 Xylene (o)	106	16.270	16.259	(1.050)	4612	0.01332	0.040
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	17.372	17.361	(1.122)	3874	0.00501	0.015(aQ)
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	efyc014.d	Date:	02-SEP-2013 22:33
Client ID:	CS40811-081513	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-3		
Lab Sample ID:	200-17995-3		



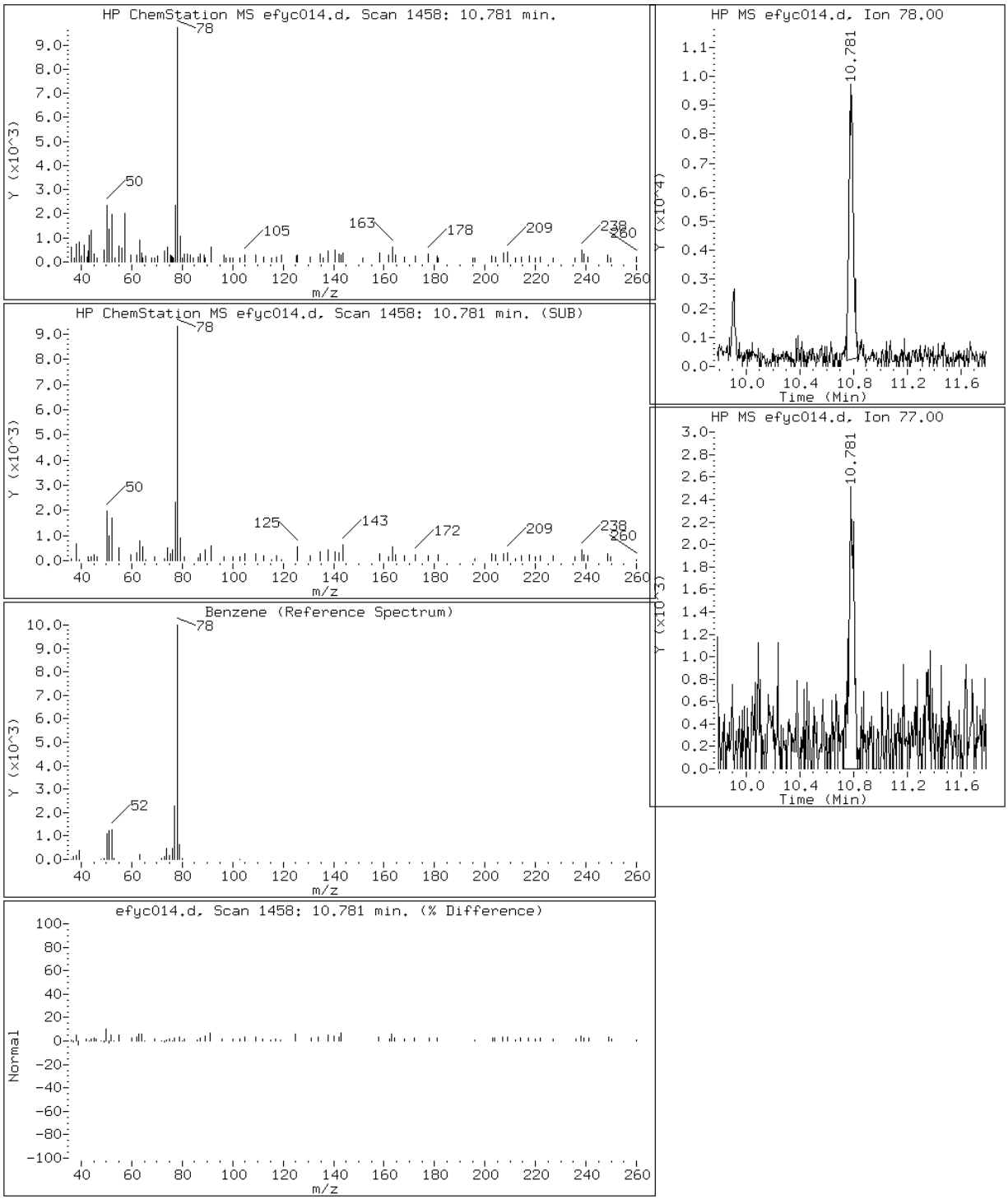
Data File: efyc014.d

Lab Sample ID: 200-17995-3 Date: 02-SEP-2013 22:33

Client ID: CS40811-081513 Instrument: E.i

Sample Info: 200-17995-A-3 Operator: wrd

44 Benzene



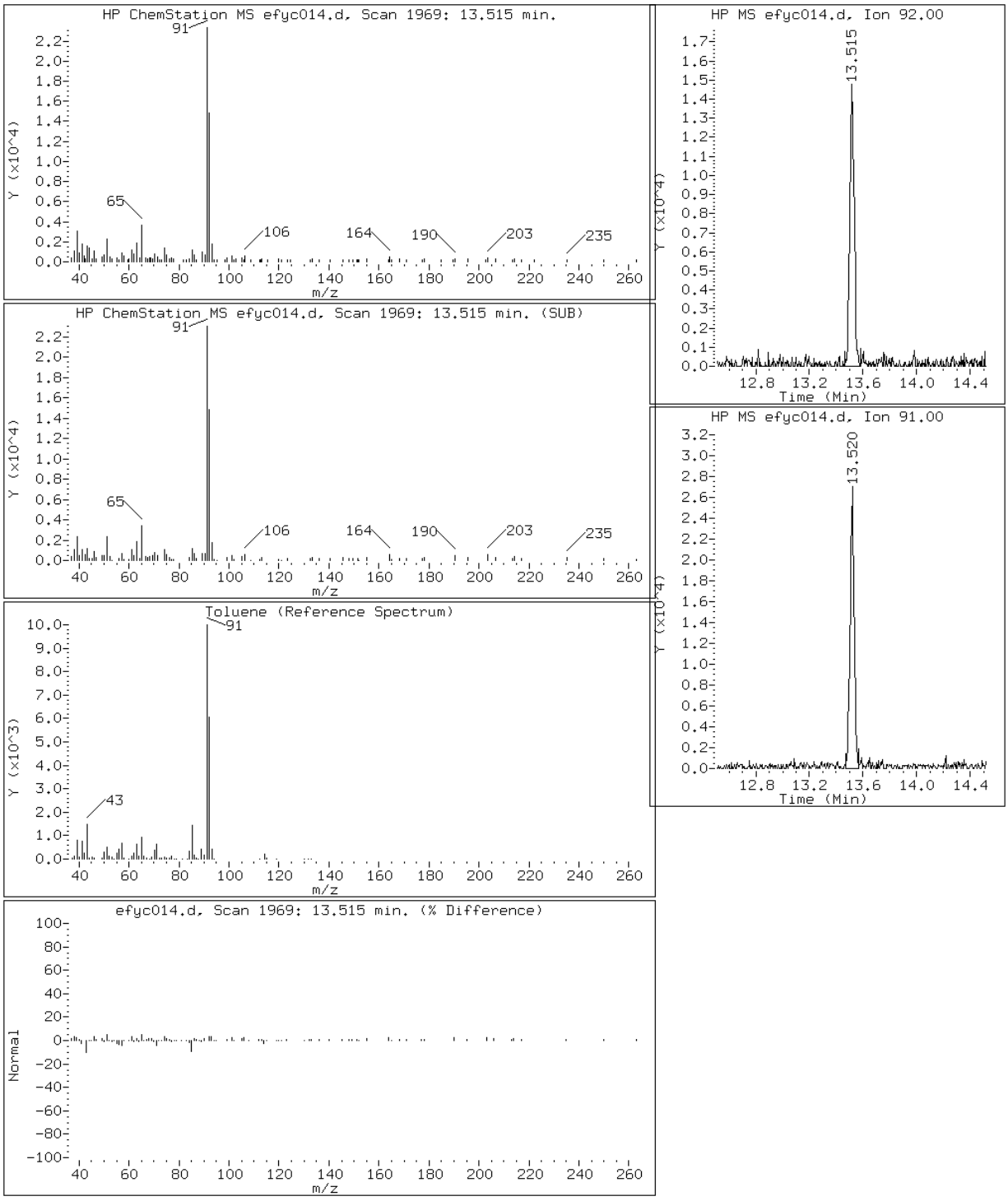
Data File: efyc014.d

Lab Sample ID: 200-17995-3 Date: 02-SEP-2013 22:33

Client ID: CS40811-081513 Instrument: E.i

Sample Info: 200-17995-A-3 Operator: wrd

58 Toluene



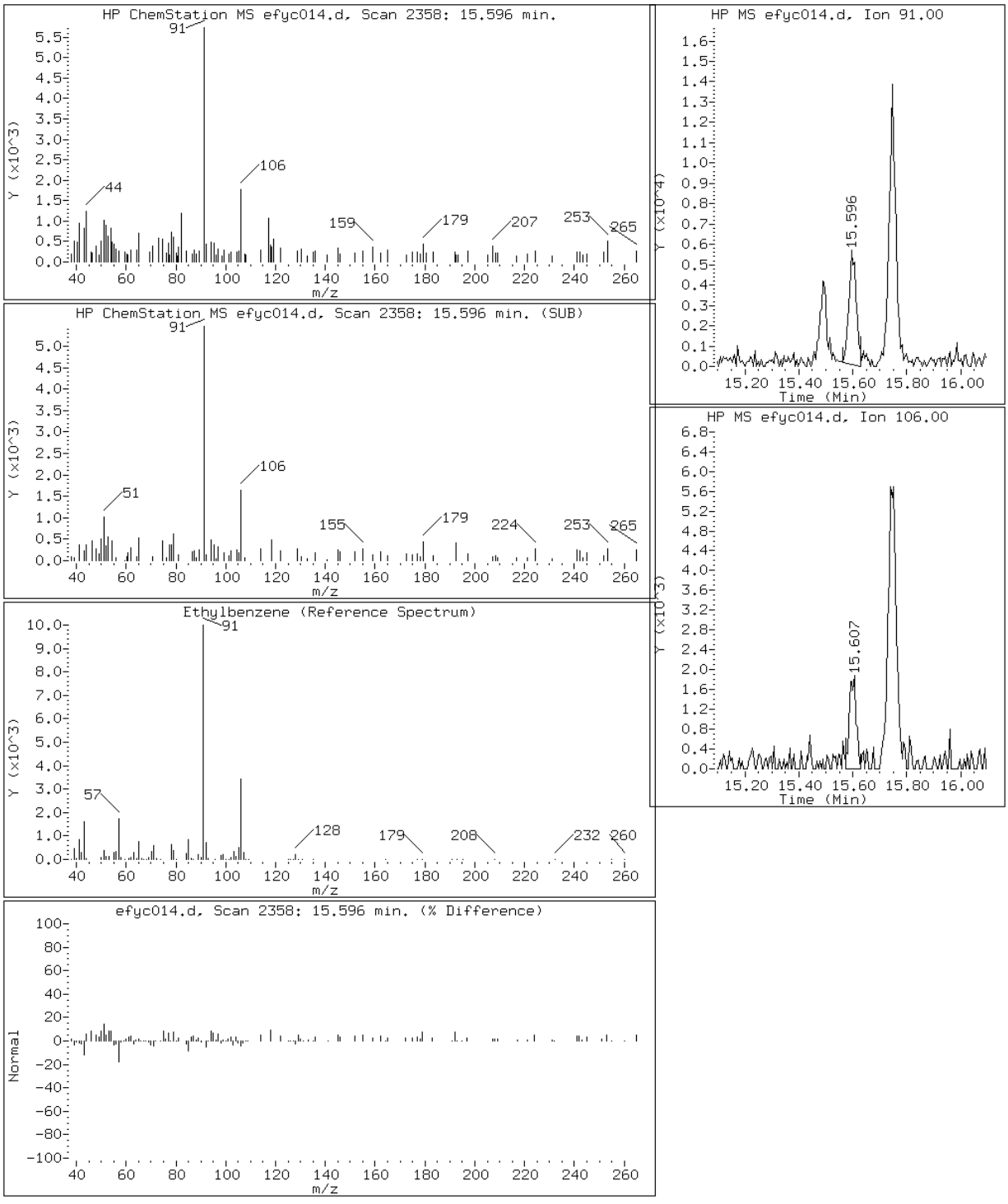
Data File: efyc014.d

Lab Sample ID: 200-17995-3 Date: 02-SEP-2013 22:33

Client ID: CS40811-081513 Instrument: E.i

Sample Info: 200-17995-A-3 Operator: wrd

67 Ethylbenzene



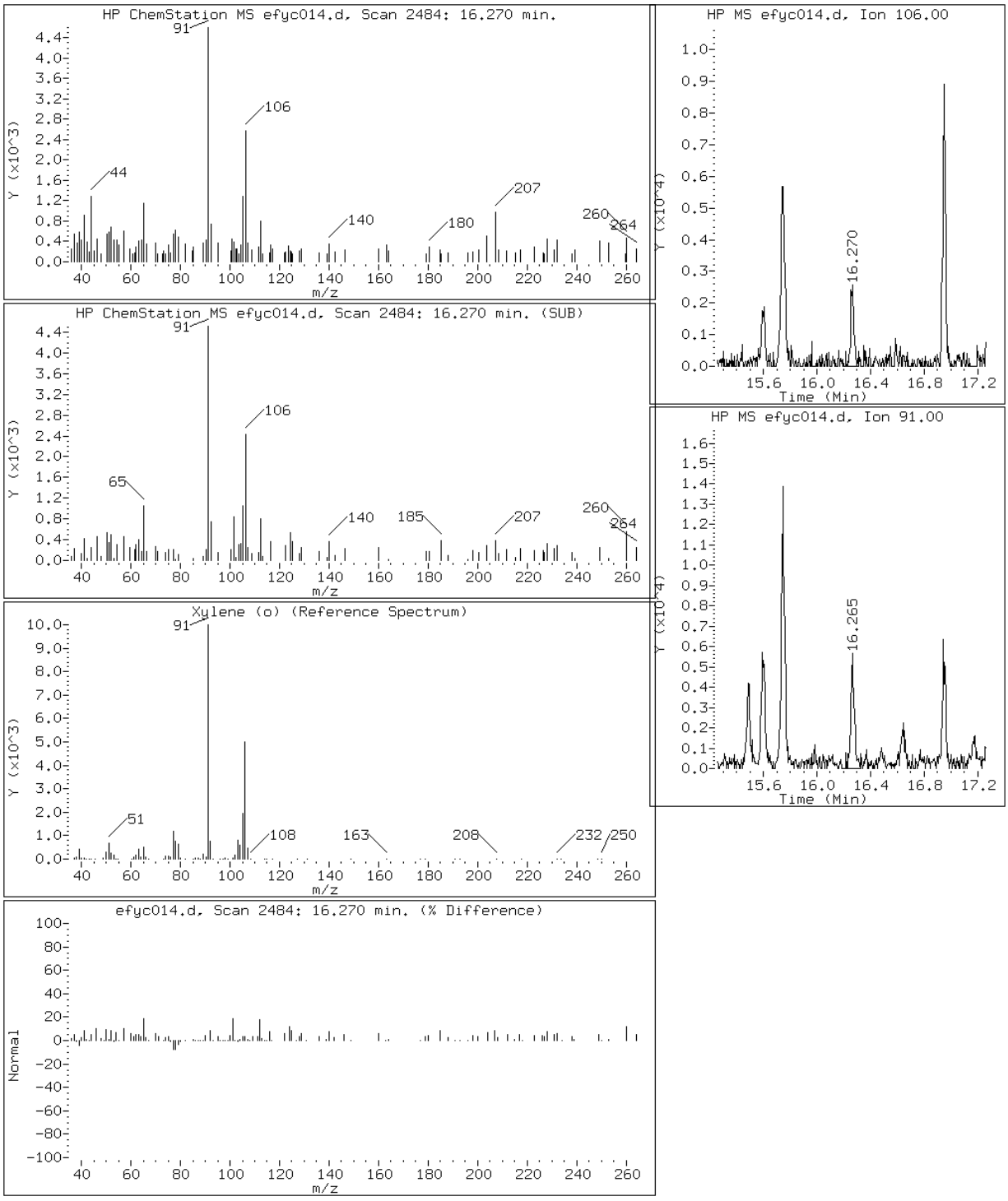
Data File: efyc014.d

Lab Sample ID: 200-17995-3 Date: 02-SEP-2013 22:33

Client ID: CS40811-081513 Instrument: E.i

Sample Info: 200-17995-A-3 Operator: wrd

71 Xylene (o)



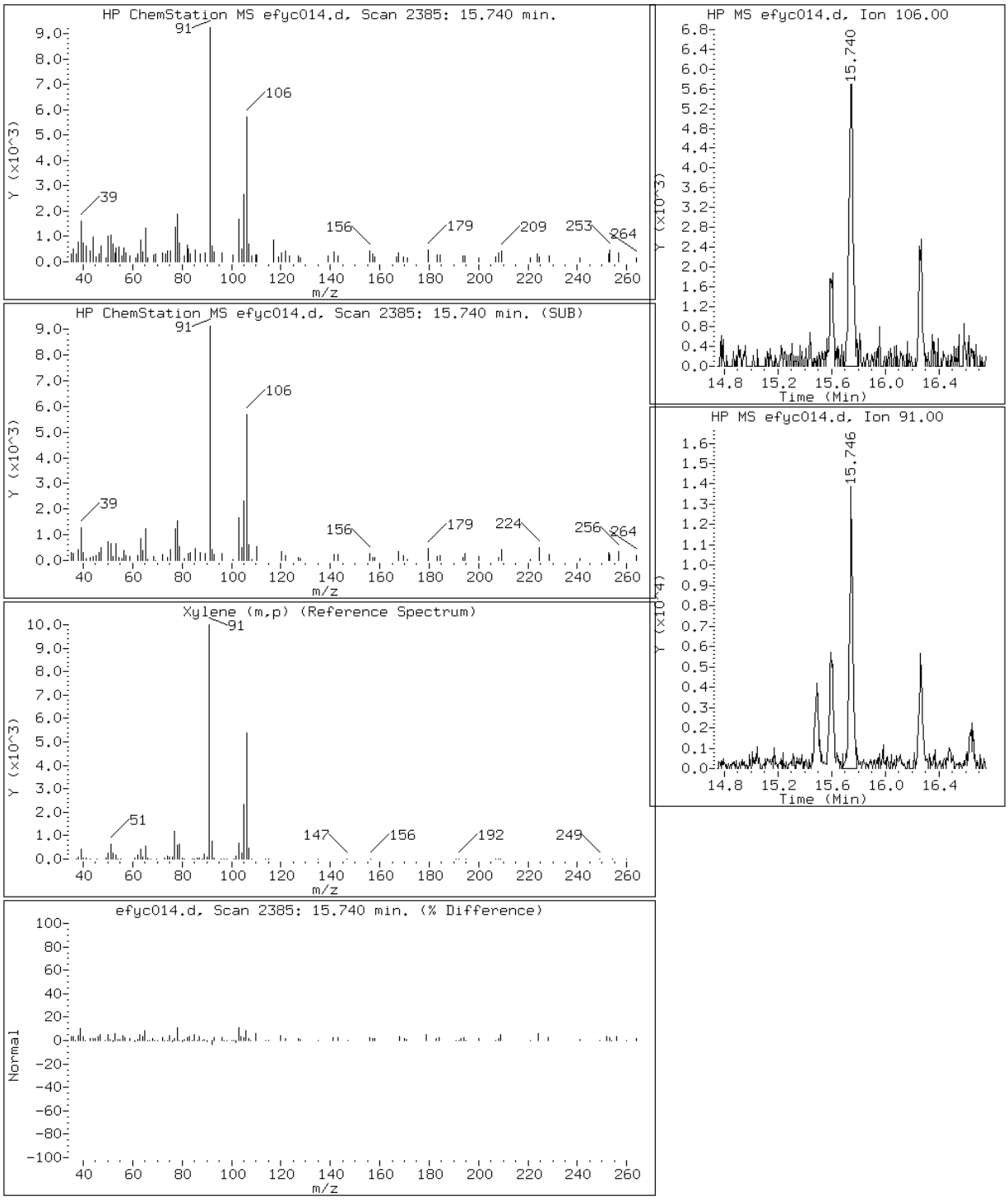
Data File: efyc014.d

Lab Sample ID: 200-17995-3 Date: 02-SEP-2013 22:33

Client ID: CS40811-081513 Instrument: E.i

Sample Info: 200-17995-A-3 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: DUP-081513 Lab Sample ID: 200-17995-4

Matrix: Air Lab File ID: efyc015.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:20

Sample wt/vol: 167(mL) Date Analyzed: 09/02/2013 23:28

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U *	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.10		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.22		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.040		0.030	0.030
95-47-6	o-Xylene	106.17	0.041		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.11		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.15		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: DUP-081513 Lab Sample ID: 200-17995-4

Matrix: Air Lab File ID: efyc015.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:20

Sample wt/vol: 167(mL) Date Analyzed: 09/02/2013 23:28

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U *	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.33		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	0.81		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.17		0.13	0.13
95-47-6	o-Xylene	106.17	0.18		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	0.47		0.26	0.26
1330-20-7	Xylenes, Total	106.17	0.65		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-4
Client Smp ID: DUP-081513
Inj Date : 02-SEP-2013 23:28
Operator : wrd Inst ID: E.i
Smp Info : 200-17995-A-4
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 15
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

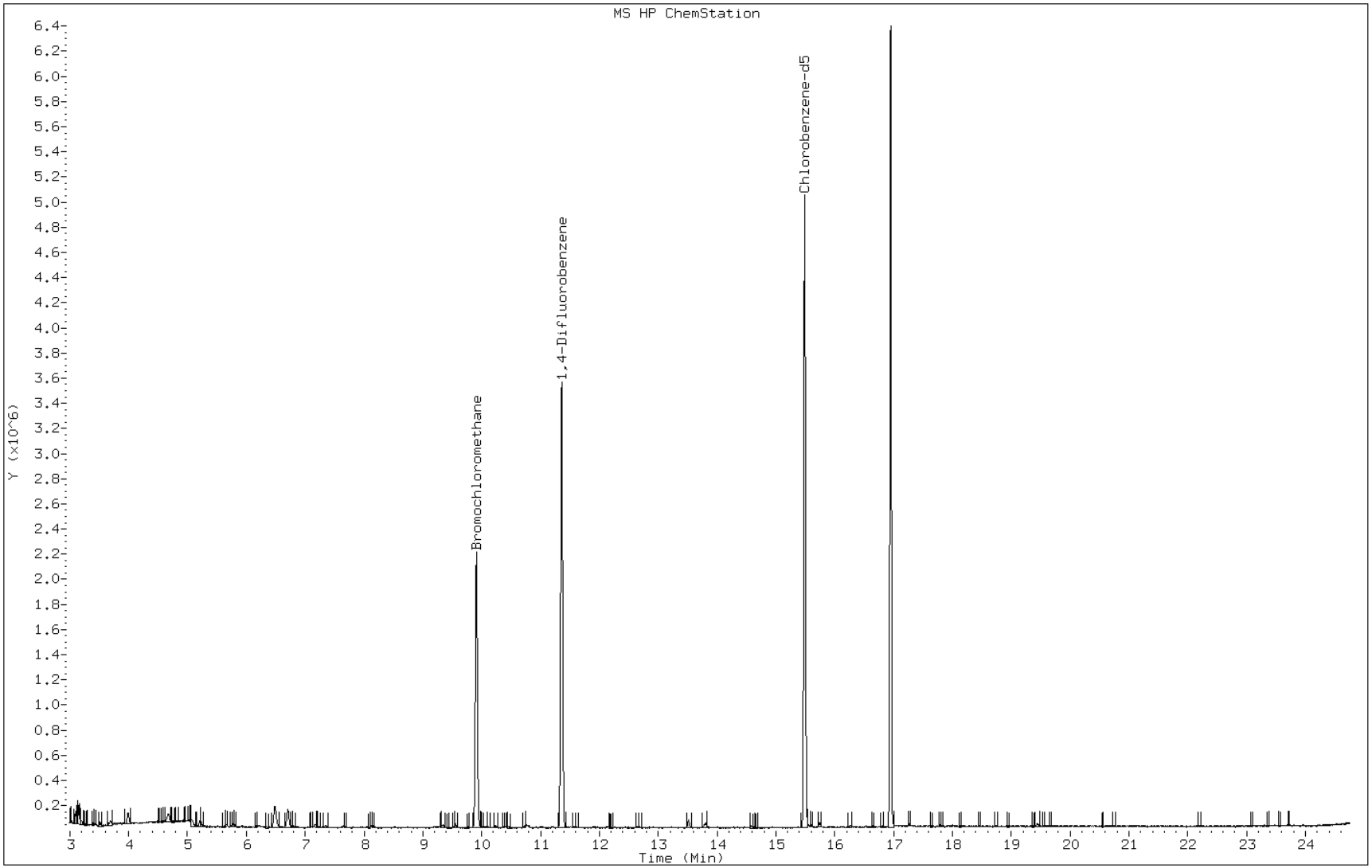
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	130426	0.23581	0.70
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	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	5.073	5.079	(0.512)	52726	0.08871	0.26
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	11182	0.02921	0.087(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.352	7.352	(0.742)	13088	0.06558	0.20(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.149	8.139	(0.822)	10453	0.03145	0.094
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	668750	2.00000	(Q)
	39 Chloroform	83	10.000	10.000	(1.009)	6154	0.01443	0.043
	40 Cyclohexane	84	10.230	10.252	(0.901)	3757	0.01216	0.036(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	10369	0.02254	0.067
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	23974	0.02577	0.077
	44 Benzene	78	10.787	10.787	(0.950)	21334	0.03434	0.10
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3391817	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.515	13.515	(0.873)	32046	0.07224	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	15.489	15.489	(1.000)	3096242	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.596	15.596	(1.007)	11609	0.01333	0.040
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	11909	0.03632	0.11
M	70 Xylene, Total	106				16348	0.05005	0.15
	71 Xylene (o)	106	16.265	16.259	(1.050)	4439	0.01373	0.041
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	efyc015.d	Date:	02-SEP-2013 23:28
Client ID:	DUP-081513	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-4		
Lab Sample ID:	200-17995-4		



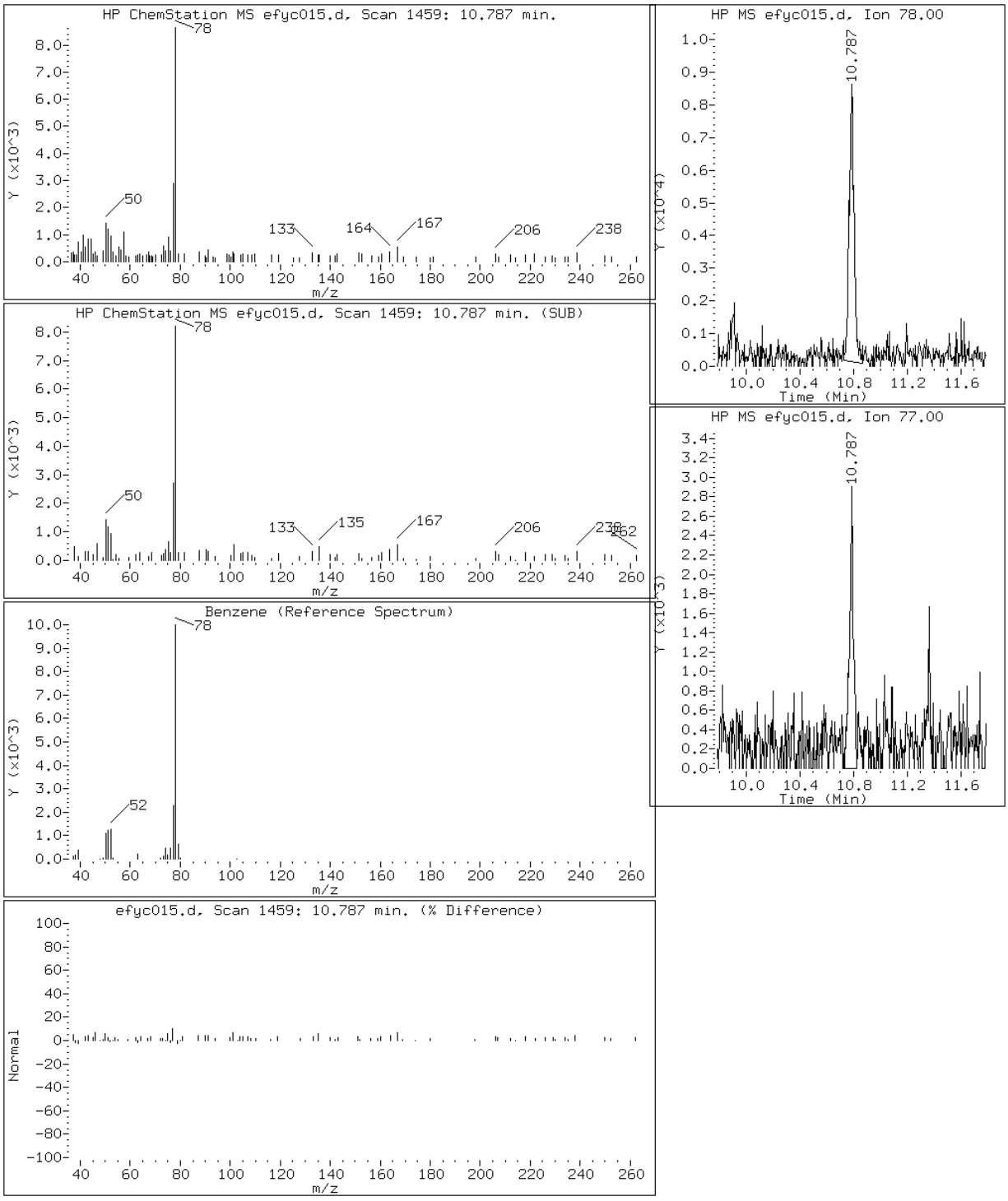
Data File: efyc015.d

Lab Sample ID: 200-17995-4 Date: 02-SEP-2013 23:28

Client ID: DUP-081513 Instrument: E.i

Sample Info: 200-17995-A-4 Operator: wrd

44 Benzene



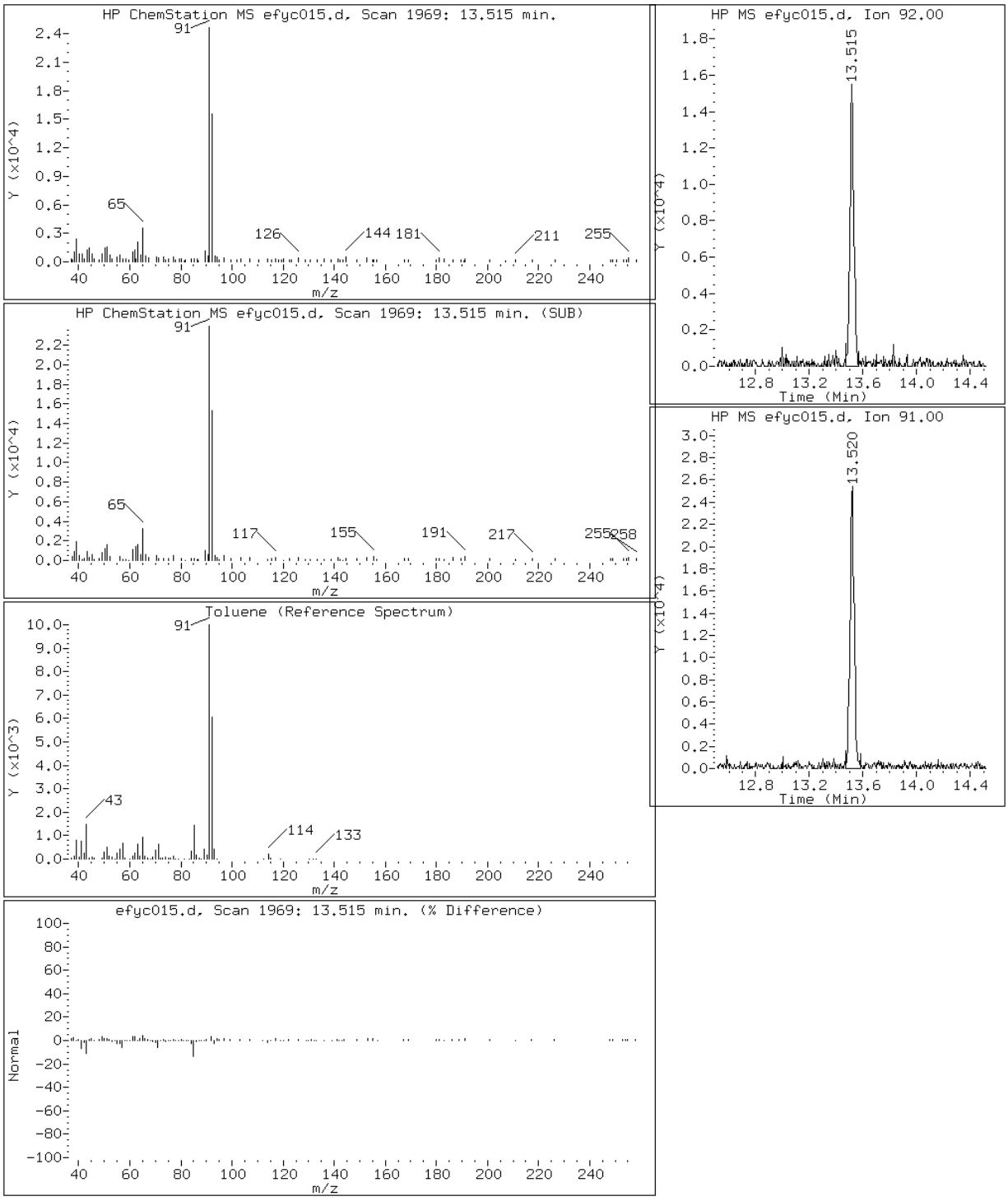
Data File: efyc015.d

Lab Sample ID: 200-17995-4 Date: 02-SEP-2013 23:28

Client ID: DUP-081513 Instrument: E.i

Sample Info: 200-17995-A-4 Operator: wrd

58 Toluene



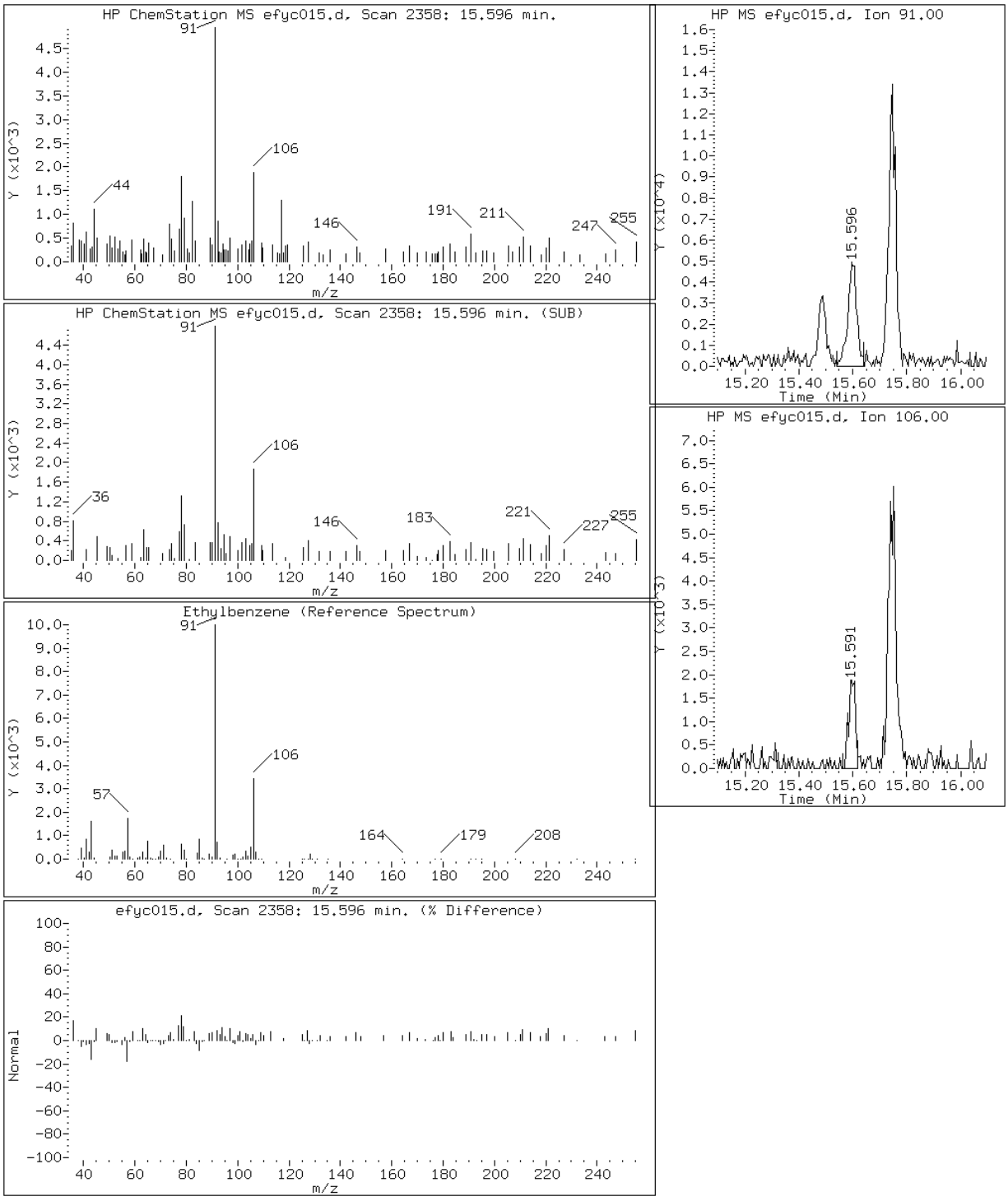
Data File: efyc015.d

Lab Sample ID: 200-17995-4 Date: 02-SEP-2013 23:28

Client ID: DUP-081513 Instrument: E.i

Sample Info: 200-17995-A-4 Operator: wrd

67 Ethylbenzene



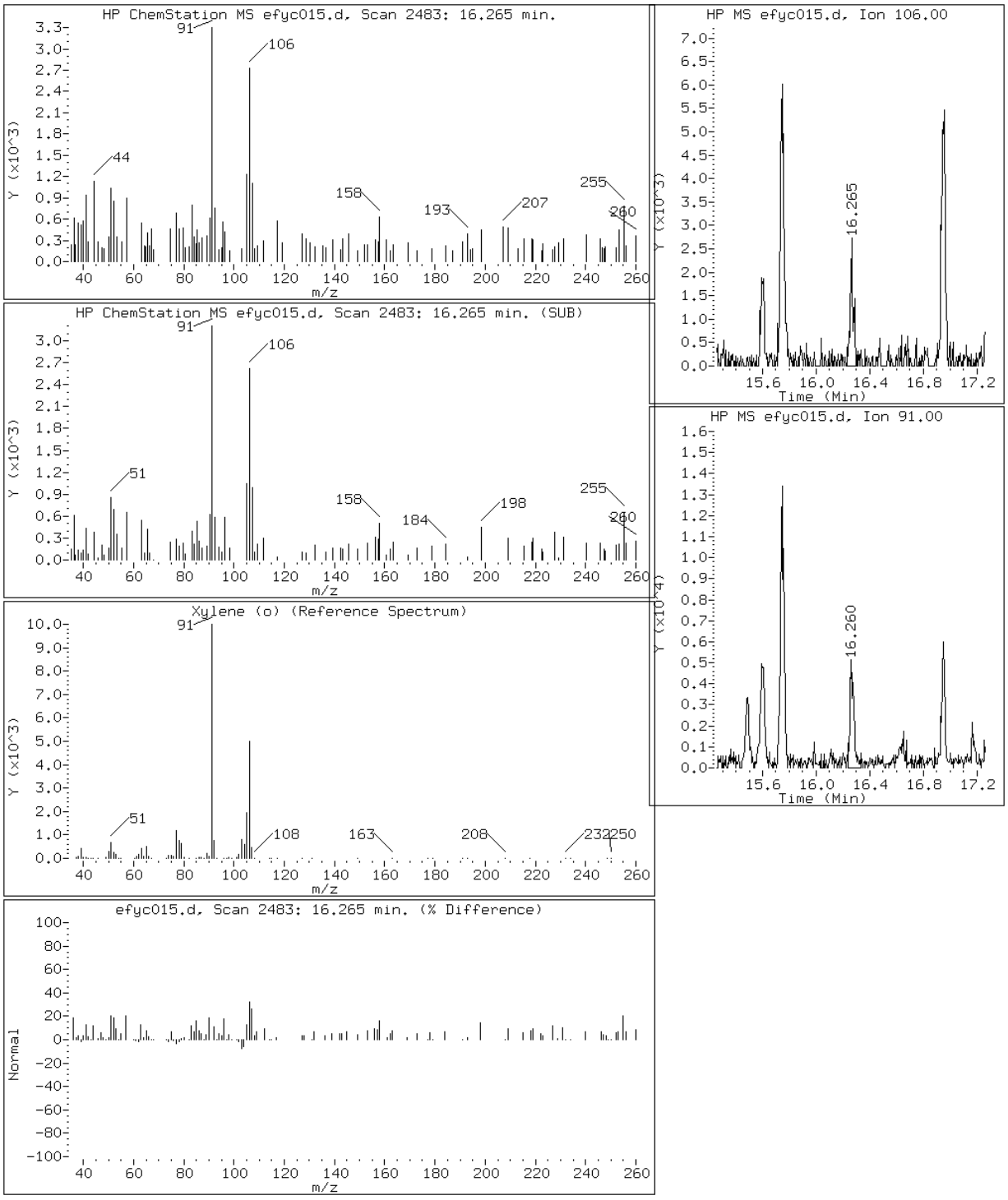
Data File: efyc015.d

Lab Sample ID: 200-17995-4 Date: 02-SEP-2013 23:28

Client ID: DUP-081513 Instrument: E.i

Sample Info: 200-17995-A-4 Operator: wrd

71 Xylene (o)



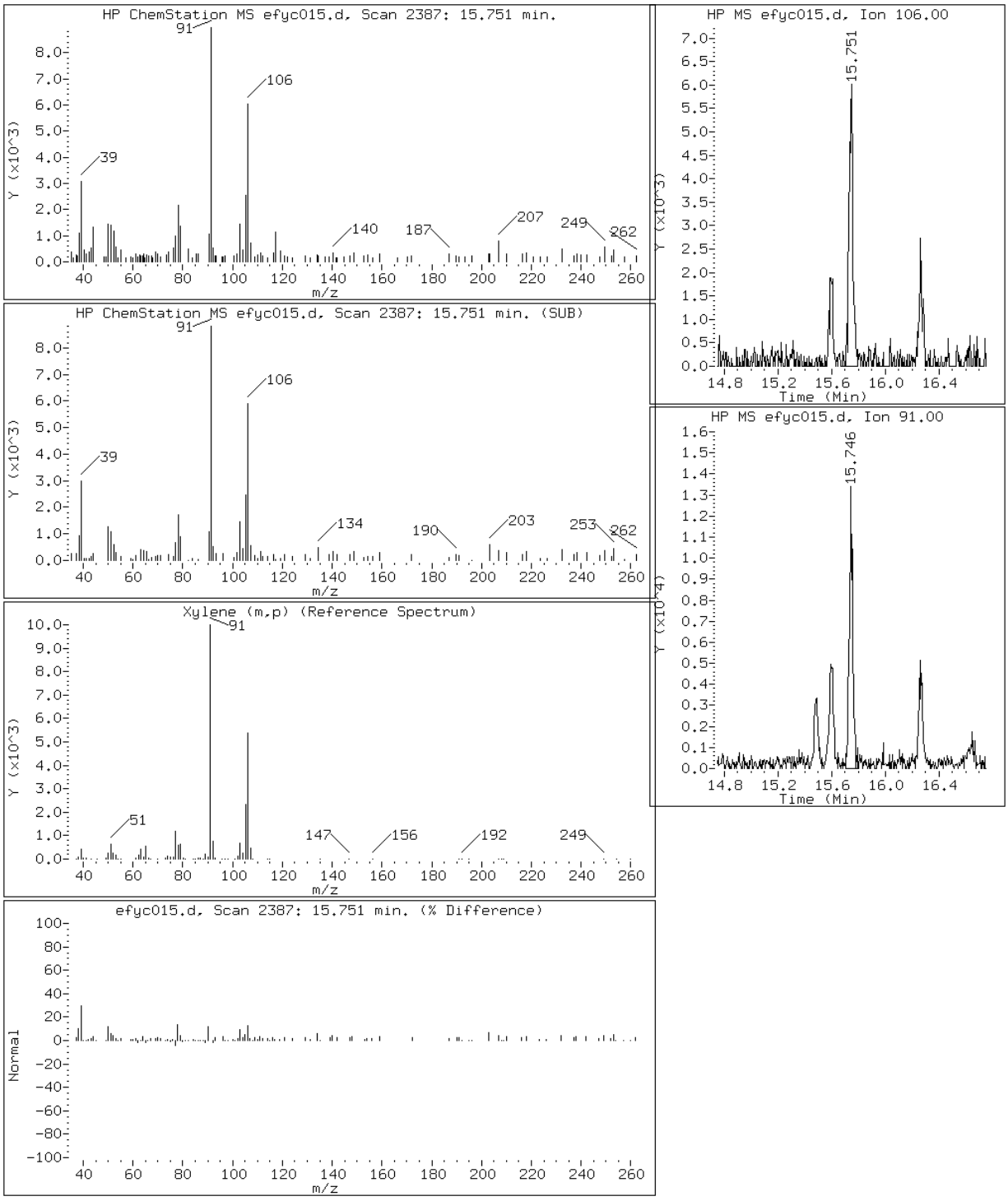
Data File: efyc015.d

Lab Sample ID: 200-17995-4 Date: 02-SEP-2013 23:28

Client ID: DUP-081513 Instrument: E.i

Sample Info: 200-17995-A-4 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: BG-081513 Lab Sample ID: 200-17995-5

Matrix: Air Lab File ID: efyc016.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:50

Sample wt/vol: 167(mL) Date Analyzed: 09/03/2013 00:24

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U *	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.86		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.85		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.18		0.030	0.030
95-47-6	o-Xylene	106.17	0.19		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.52		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.71		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: BG-081513 Lab Sample ID: 200-17995-5

Matrix: Air Lab File ID: efyc016.d

Analysis Method: TO15 LL Date Collected: 08/16/2013 11:50

Sample wt/vol: 167(mL) Date Analyzed: 09/03/2013 00:24

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 60773 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U *	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	2.7		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	3.2		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.78		0.13	0.13
95-47-6	o-Xylene	106.17	0.82		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	2.2		0.26	0.26
1330-20-7	Xylenes, Total	106.17	3.1		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-5
Client Smp ID: BG-081513
Inj Date : 03-SEP-2013 00:24
Operator : wrd Inst ID: E.i
Smp Info : 200-17995-A-5
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 16
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

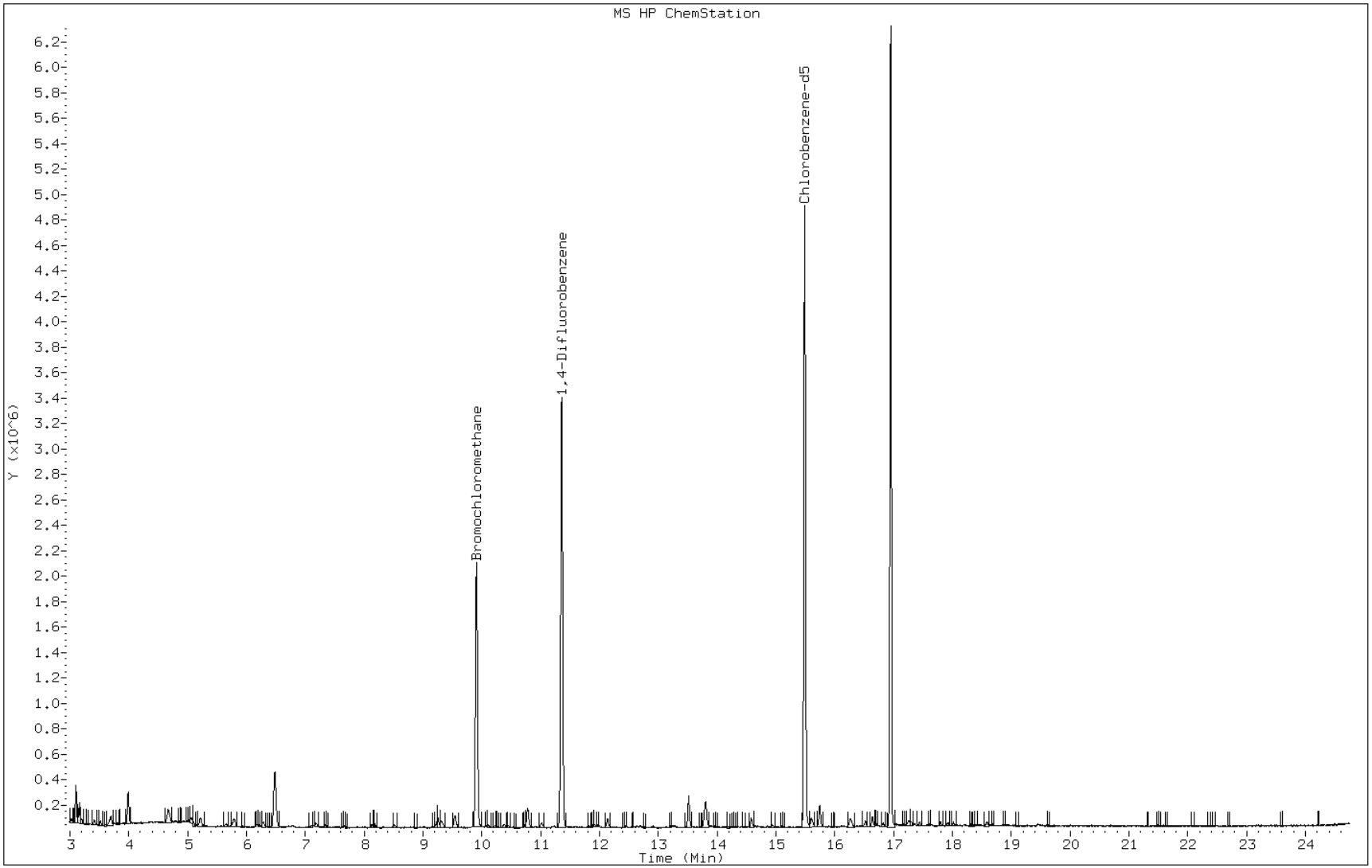
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	137818	0.25826	0.77
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	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	5.078	5.079	(0.512)	52253	0.09111	0.27
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	9971	0.02699	0.081(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.357	7.352	(0.742)	14949	0.07764	0.23(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.144	8.139	(0.822)	16338	0.05095	0.15
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	645238	2.00000	(Q)
	39 Chloroform	83	10.000	10.000	(1.009)	3748	0.00911	0.027(aQM)
	40 Cyclohexane	84	10.230	10.252	(0.901)	7591	0.02571	0.077(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	11562	0.02631	0.079
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	25655	0.02886	0.086
	44 Benzene	78	10.781	10.787	(0.949)	170554	0.28725	0.86
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.017	11.011	(0.970)	20582	0.04151	0.12
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3241203	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.515	13.515	(0.873)	120964	0.28445	0.85
	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	15.489	15.489	(1.000)	2968298	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.601	15.596	(1.007)	50142	0.06007	0.18
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	54367	0.17294	0.52
M	70 Xylene, Total	106				73875	0.23589	0.70
	71 Xylene (o)	106	16.270	16.259	(1.050)	19508	0.06295	0.19
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	8209	0.01019	0.030
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	8643	0.01248	0.037(a)
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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:	efyc016.d	Date:	03-SEP-2013 00:24
Client ID:	BG-081513	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-5		
Lab Sample ID:	200-17995-5		



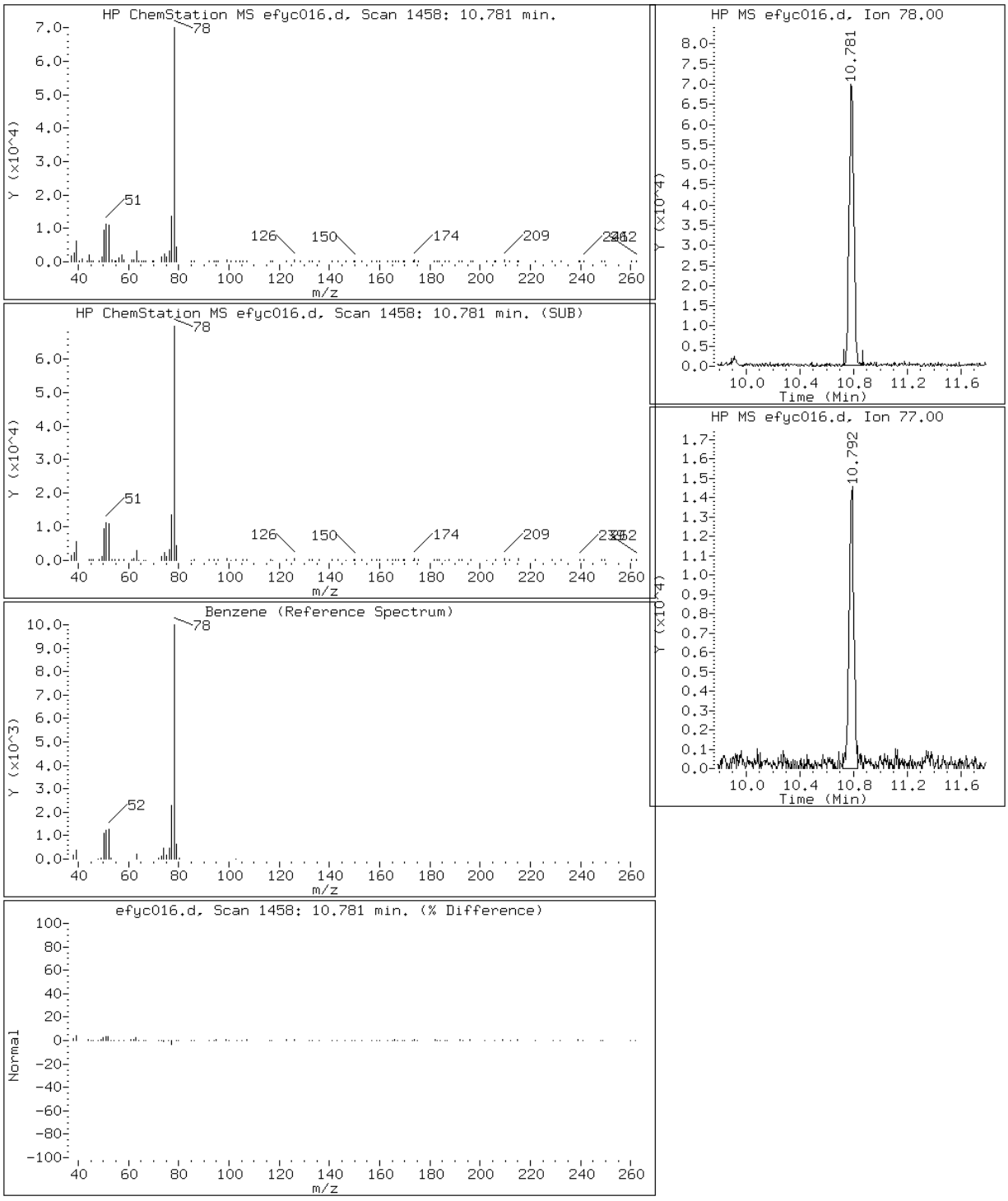
Data File: efyc016.d

Lab Sample ID: 200-17995-5 Date: 03-SEP-2013 00:24

Client ID: BG-081513 Instrument: E.i

Sample Info: 200-17995-A-5 Operator: wrd

44 Benzene



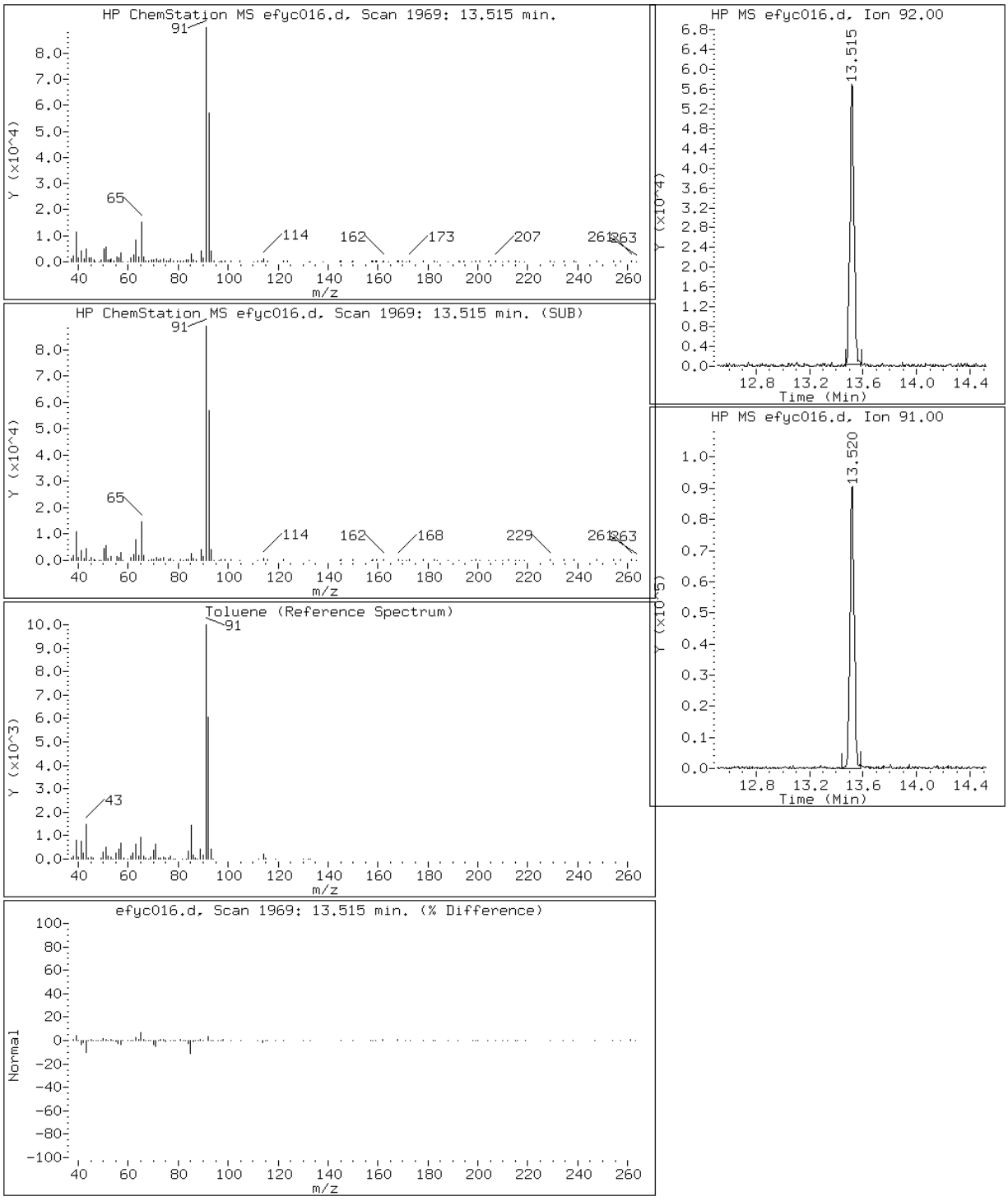
Data File: efyc016.d

Lab Sample ID: 200-17995-5 Date: 03-SEP-2013 00:24

Client ID: BG-081513 Instrument: E.i

Sample Info: 200-17995-A-5 Operator: wrd

58 Toluene



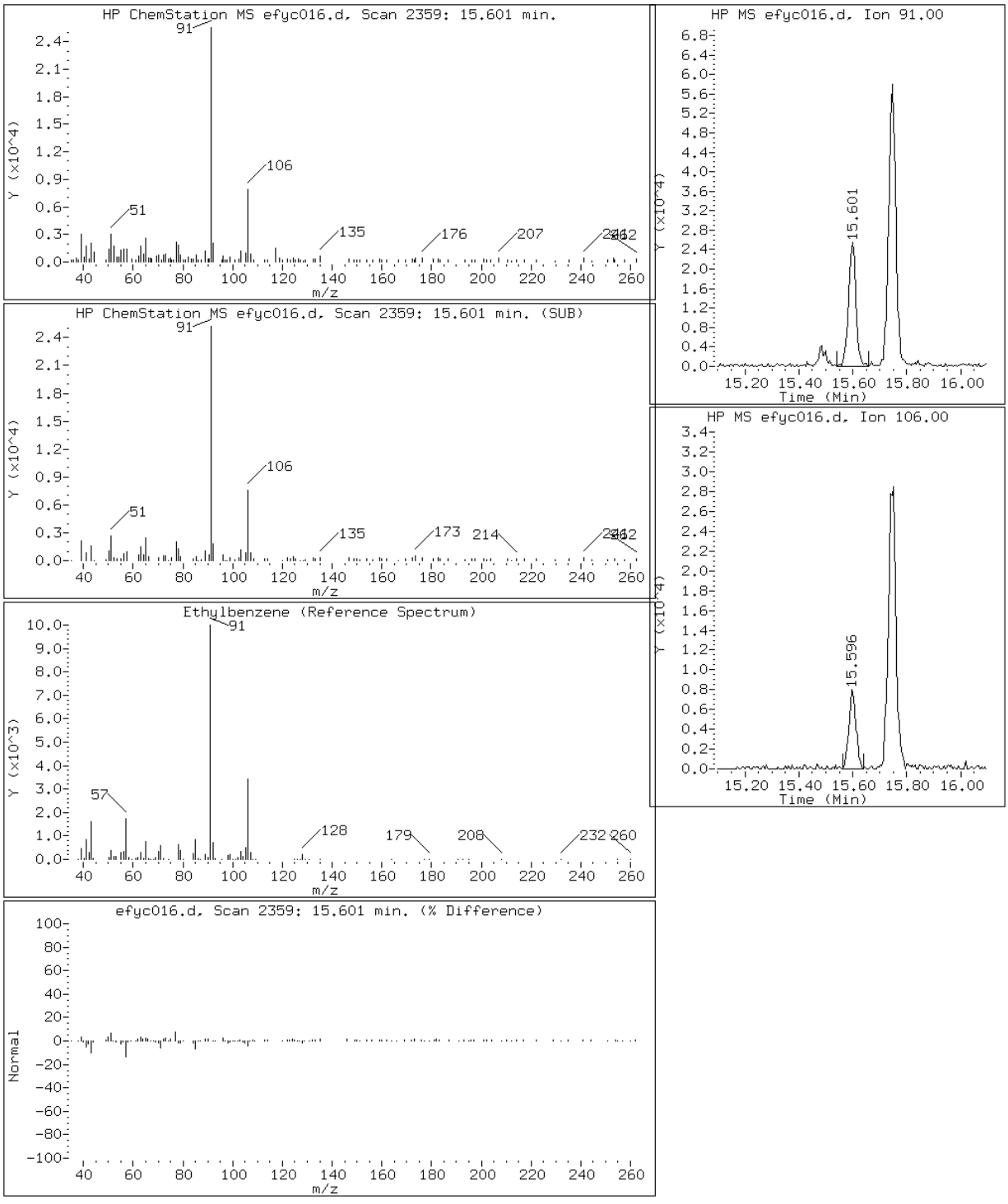
Data File: efyc016.d

Lab Sample ID: 200-17995-5 Date: 03-SEP-2013 00:24

Client ID: BG-081513 Instrument: E.i

Sample Info: 200-17995-A-5 Operator: wrd

67 Ethylbenzene



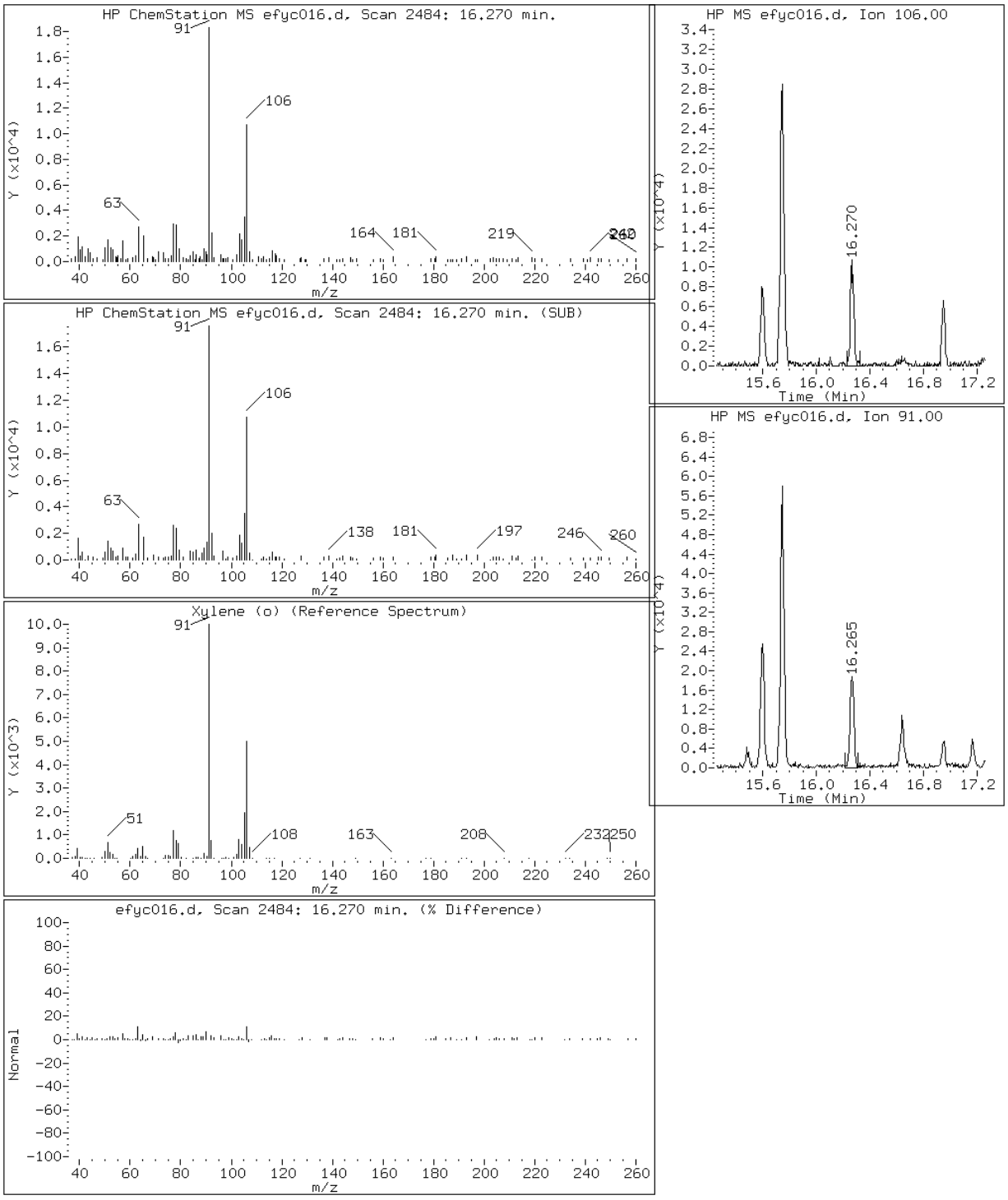
Data File: efyc016.d

Lab Sample ID: 200-17995-5 Date: 03-SEP-2013 00:24

Client ID: BG-081513 Instrument: E.i

Sample Info: 200-17995-A-5 Operator: wrd

71 Xylene (o)



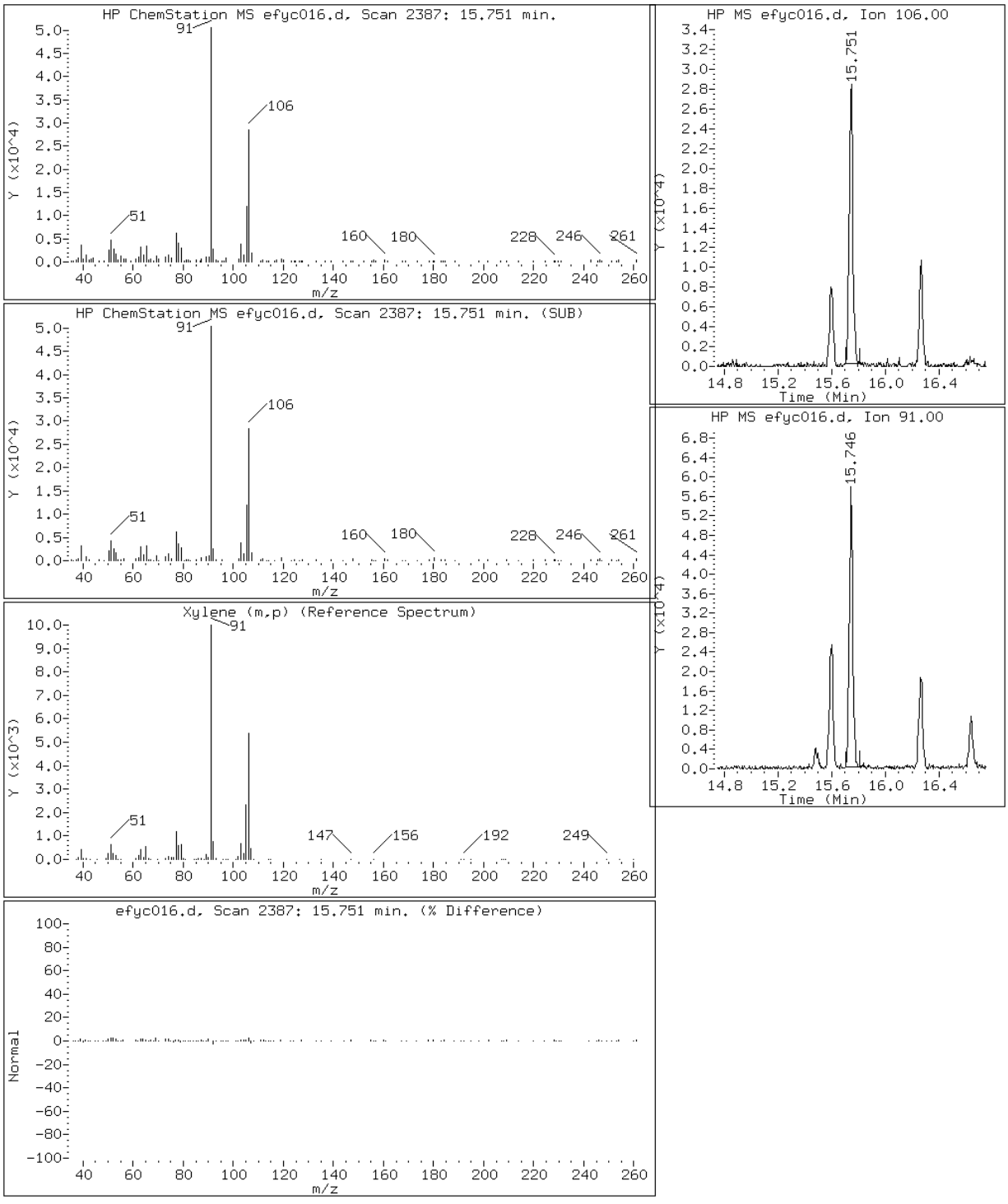
Data File: efyc016.d

Lab Sample ID: 200-17995-5 Date: 03-SEP-2013 00:24

Client ID: BG-081513 Instrument: E.i

Sample Info: 200-17995-A-5 Operator: wrd

69 Xylene (m,p)



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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60577/4	efy004.d
Level 2	IC 200-60577/5	efy005.d
Level 3	IC 200-60577/6	efy006.d
Level 4	IC 200-60577/7	efy007.d
Level 5	ICIS 200-60577/8	efy008.d
Level 6	IC 200-60577/9	efy009.d
Level 7	IC 200-60577/10	efy010.d
Level 8	IC 200-60577/11	efy011.d
Level 9	IC 200-60577/12	efy012.d
Level 10	IC 200-60577/13	efy013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane	2.0017 1.4361	1.8682 +++++	1.8999 1.5950	1.3196 +++++	1.4583 +++++	Ave		1.6541				16.2		30.0			
1,2-Dichlorotetrafluoroethane	1.7395 1.3681	1.6223 +++++	1.7754 1.5268	1.1745 +++++	1.3250 +++++	Ave		1.5045				14.9		30.0			
Vinyl chloride	 0.3343	0.4390 +++++	0.4705 0.3598	0.2915 +++++	0.3221 +++++	Ave		0.3695				19.0		30.0			
1,3-Butadiene	 0.2143	0.2380 +++++	0.2788 0.2196	0.2190 +++++	0.2246 +++++	Ave		0.2324				10.4		30.0			
Bromomethane	 0.4357	0.7467 +++++	0.7043 0.4786	0.3920 +++++	0.4396 +++++	Ave		0.5328				28.6		30.0			
Chloroethane	 0.1522	0.2863 +++++	0.2847 0.1668	0.1421 +++++	0.1678 +++++	Ave		0.2000				33.5	*	30.0			
Bromoethene(Vinyl Bromide)	 0.4909	0.7408 +++++	0.7806 0.5265	0.4186 +++++	0.4781 +++++	Ave		0.5726				26.3		30.0			
Trichlorofluoromethane	1.8960 1.5639	1.9560 +++++	2.2691 1.7241	1.5133 +++++	1.5209 +++++	Ave		1.7776				15.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	 1.0404	 +++++	1.5610 1.1190	0.9798 +++++	1.0249 +++++	Ave		1.1450				20.8		30.0			
1,1-Dichloroethene	0.7933 0.4989	0.7410 +++++	0.7755 0.5396	0.4574 +++++	0.5077 +++++	Ave		0.6162				23.8		30.0			
3-Chloropropene	 0.5430	0.9318 +++++	0.7948 0.5293	0.4706 +++++	0.5294 +++++	Ave		0.6332				29.2		30.0			
Methylene Chloride	 0.6287	 0.5811	 0.5837	0.6375 0.5412	0.6555 0.5500	Ave		0.5968				7.4		30.0			
Methyl tert-butyl ether	1.6777 1.4183	1.9298 +++++	2.0271 1.3887	1.2025 +++++	1.3404 +++++	Ave		1.5692				20.0		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.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
trans-1,2-Dichloroethene	0.8105 0.7695	0.9787 +++++	1.0582 0.7881	0.6850 +++++	0.7265 +++++	Ave		0.8309				16.4		30.0			
n-Hexane	 0.7965	1.3941 +++++	1.4727 0.7707	0.7618 +++++	0.7679 +++++	Ave		0.9940				34.4	*	30.0			
1,1-Dichloroethane	1.3615 0.9347	1.2778 +++++	1.4651 0.9081	0.7919 +++++	0.8732 +++++	Ave		1.0875				25.0		30.0			
cis-1,2-Dichloroethene	0.8153 0.5638	0.8113 +++++	0.8329 0.5392	0.4683 +++++	0.5224 +++++	Ave		0.6505				24.8		30.0			
Chloroform	1.4997 1.1237	1.4979 +++++	1.5967 1.1133	1.0076 +++++	1.0870 +++++	Ave		1.2751				19.2		30.0			
1,1,1-Trichloroethane	0.3138 0.2420	0.3007 +++++	0.3196 0.2419	0.2067 +++++	0.2234 +++++	Ave		0.2640				17.5		30.0			
Cyclohexane	0.2271 0.1471	0.2258 +++++	0.2342 0.1558	0.1387 +++++	0.1469 +++++	Ave		0.1822				24.2		30.0			
Carbon tetrachloride	0.3009 0.2380	0.3273 +++++	0.3518 0.2514	0.2047 +++++	0.2244 +++++	Ave		0.2712				20.5		30.0			
2,2,4-Trimethylpentane	0.6423 0.4849	0.6152 +++++	0.7251 0.4771	0.4307 +++++	0.4640 +++++	Ave		0.5485				20.3		30.0			
Benzene	0.4554 0.3130	0.4509 +++++	0.4601 0.3000	0.2734 +++++	0.3118 +++++	Ave		0.3664				23.0		30.0			
1,2-Dichloroethane	 0.1467	0.1794 +++++	0.1864 0.1360	0.1310 +++++	0.1389 +++++	Ave		0.1531				15.5		30.0			
n-Heptane	0.4507 0.1691	0.5140 +++++	0.5367 0.1637	0.1384 +++++	0.1688 +++++	Ave		0.3059				60.2	*	30.0			
Trichloroethene	0.2318 0.1438	0.2051 +++++	0.2005 0.1399	0.1286 +++++	0.1372 +++++	Ave		0.1695				24.5		30.0			
1,2-Dichloropropane	 0.1161	0.1495 +++++	0.1659 0.1095	0.0928 +++++	0.1081 +++++	Ave		0.1237				22.6		30.0			
Bromodichloromethane	0.3195 0.2360	0.2854 +++++	0.3209 0.2304	0.1927 +++++	0.2135 +++++	Ave		0.2569				20.1		30.0			
cis-1,3-Dichloropropene	0.2052 0.1630	0.2066 +++++	0.2480 0.1567	0.1339 +++++	0.1471 +++++	Ave		0.1801				22.7		30.0			
Toluene	0.3756 0.2472	0.3294 +++++	0.3667 0.2328	0.2102 +++++	0.2439 +++++	Ave		0.2865				24.0		30.0			
trans-1,3-Dichloropropene	0.1846 0.1559	0.2116 +++++	0.2248 0.1501	0.1184 +++++	0.1353 +++++	Ave		0.1687				23.5		30.0			
1,1,2-Trichloroethane	0.1389 0.1243	0.1758 +++++	0.1785 0.1152	0.1057 +++++	0.1143 +++++	Ave		0.1361				22.0		30.0			
Tetrachloroethene	0.2557 0.1969	0.2632 +++++	0.2708 0.1909	0.1758 +++++	0.1911 +++++	Ave		0.2206				18.4		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.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibromochloromethane	0.2656 0.2311	0.2958 +++++	0.3176 0.2284	0.1930 +++++	0.2120 +++++	Ave		0.2491				18.3		30.0			
1,2-Dibromoethane	0.2399 0.2073	0.2653 +++++	0.2927 0.1985	0.1781 +++++	0.1889 +++++	Ave		0.2244				19.0		30.0			
Ethylbenzene	0.5886 0.5197	0.7196 +++++	0.7155 0.4968	0.4208 +++++	0.4758 +++++	Ave		0.5624				20.9		30.0			
m-Xylene & p-Xylene	0.2157 0.2000	0.2683 +++++	0.2685 0.1938	0.1565 +++++	0.1800 +++++	Ave		0.2118				20.2		30.0			
o-Xylene	0.2322 0.1930	0.2367 +++++	0.2638 0.1933	0.1670 +++++	0.1758 +++++	Ave		0.2088				17.1		30.0			
Bromoform	0.2360 0.1999	0.2512 +++++	0.2682 0.2111	0.1397 +++++	0.1681 +++++	Ave		0.2106				21.7		30.0			
1,1,2,2-Tetrachloroethane	0.3348 0.3063	0.4185 +++++	0.4455 0.3039	0.2405 +++++	0.2712 +++++	Ave		0.3315				22.7		30.0			
4-Ethyltoluene	0.5007 0.5402	0.6047 +++++	0.7327 +++++	0.4060 +++++	0.4730 +++++	Ave		0.5429				21.0		30.0			
1,3,5-Trimethylbenzene	 0.4586	0.5733 +++++	0.6089 +++++	0.3060 +++++	0.3867 +++++	Ave		0.4667				27.1		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60577/4	efy004.d
Level 2	IC 200-60577/5	efy005.d
Level 3	IC 200-60577/6	efy006.d
Level 4	IC 200-60577/7	efy007.d
Level 5	ICIS 200-60577/8	efy008.d
Level 6	IC 200-60577/9	efy009.d
Level 7	IC 200-60577/10	efy010.d
Level 8	IC 200-60577/11	efy011.d
Level 9	IC 200-60577/12	efy012.d
Level 10	IC 200-60577/13	efy013.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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave	12838 354623	22535 +++++	39753 801911	71121 +++++	143754 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichlorotetrafluoroethane	BCM	Ave	11156 337819	19569 +++++	37148 767634	63300 +++++	130612 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Vinyl chloride	BCM	Ave	 82550	5296 +++++	9845 180873	15711 +++++	31750 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	 52924	2871 +++++	5833 110430	11804 +++++	22140 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave	 107593	9007 +++++	14737 240634	21126 +++++	43330 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroethane	BCM	Ave	 37578	3454 +++++	5958 83885	7659 +++++	16543 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoethene(Vinyl Bromide)	BCM	Ave	 121217	8936 +++++	16333 264713	22563 +++++	47123 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	12160 386172	23594 +++++	47478 866839	81561 +++++	149917 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	 256916	 +++++	32662 562596	52808 +++++	101024 +++++	 0.500	 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethene	BCM	Ave	5088 123200	8939 +++++	16227 271296	24654 +++++	50047 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	 134079	11240 +++++	16630 266131	25364 +++++	52187 +++++	 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	 155255	 216196	 293482	34358 455314	64613 629322	 0.500	 0.750	 1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	10760 350231	23279 +++++	42414 698189	64811 +++++	132126 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,2-Dichloroethene	BCM	Ave	5198 190013	11806 +++++	22141 396246	36922 +++++	71616 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
n-Hexane	BCM	Ave	196677	16817 +++++	30815 387470	41061 +++++	75691 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethane	BCM	Ave	8732 230817	15414 +++++	30656 456554	42683 +++++	86070 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	5229 139220	9786 +++++	17428 271110	25238 +++++	51493 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave	9618 277474	18069 +++++	33408 559735	54309 +++++	107145 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave	10215 299993	18455 +++++	33277 605132	56616 +++++	110538 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Cyclohexane	DFB	Ave	7393 182345	13856 +++++	24383 389862	37979 +++++	72676 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Carbon tetrachloride	DFB	Ave	9795 295080	20088 +++++	36630 628867	56050 +++++	111020 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
2,2,4-Trimethylpentane	DFB	Ave	20913 601079	37760 +++++	75495 1193648	117950 +++++	229580 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	14827 387992	27675 +++++	47903 750662	74861 +++++	154253 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	181844	11010 +++++	19403 340230	35881 +++++	68720 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
n-Heptane	DFB	Ave	14675 209622	31549 +++++	55881 409615	37912 +++++	83505 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	7547 178217	12589 +++++	20871 350107	35210 +++++	67867 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave	143886	9175 +++++	17274 273951	25425 +++++	53483 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromodichloromethane	DFB	Ave	10403 292578	17517 +++++	33414 576337	52768 +++++	105626 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,3-Dichloropropene	DFB	Ave	6680 202057	12681 +++++	25820 392026	36667 +++++	72762 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Toluene	CBZ	Ave	11312 282078	18631 +++++	35963 548677	51590 +++++	111067 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	6010 193290	12988 +++++	23405 375600	32420 +++++	66956 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave	4182 141858	9944 +++++	17512 271481	25950 +++++	52041 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Tetrachloroethene	CBZ	Ave	7701 224737	14883 +++++	26565 449792	43152 +++++	87024 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Dibromochloromethane	CBZ	Ave	7998 263713	16727 +++++	31147 538291	47390 +++++	96537 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	7226 236532	15005 +++++	28711 467814	43727 +++++	86015 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60577

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23153

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Ethylbenzene	CBZ	Ave	17727 593127	40698 +++++	70177 1170723	103308 +++++	216706 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
m-Xylene & p-Xylene	CBZ	Ave	12991 456506	30350 +++++	52662 913219	76831 +++++	163953 +++++	0.0200 1.00	0.0400 +++++	0.0800 2.00	0.200 +++++	0.400 +++++
o-Xylene	CBZ	Ave	6993 220299	13384 +++++	25871 455515	40996 +++++	80048 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoform	CBZ	Ave	7108 228125	14207 +++++	26310 497498	34300 +++++	76570 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	10083 349593	23666 +++++	43692 716151	59035 +++++	123506 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
4-Ethyltoluene	CBZ	Ave	15080 616479	34196 +++++	71865 +++++	99680 +++++	215404 +++++	0.0100 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	 523415	32420 +++++	59724 +++++	75109 +++++	176144 +++++	 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy004.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 12:59
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 12:59 Cal File: efy004.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	12838	0.01000	0.012
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	11156	0.01000	0.011
7 Vinyl chloride	62	3.731	3.730	(0.376)	3341	0.01000	0.016(a)
8 1,3-Butadiene	54	3.795	3.795	(0.383)	3580	0.01000	0.025
9 Bromomethane	94	4.405	4.399	(0.444)	4184	0.01000	0.015(aM)
10 Chloroethane	64	4.597	4.602	(0.464)	1493	0.01000	0.014(aQM)
12 Vinyl bromide	106	4.993	4.982	(0.504)	3657	0.01000	0.012(aQM)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	12160	0.01000	0.011
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	9895	0.01000	0.015(a)
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	5088	0.01000	0.012(M)
22 Allyl chloride	41	7.063	7.063	(0.713)	5688	0.01000	0.017(aM)
25 Methylene chloride	49	7.342	7.352	(0.741)	16043	0.01000	0.038(a)
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	5198	0.01000	0.010
28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	10760	0.01000	0.011

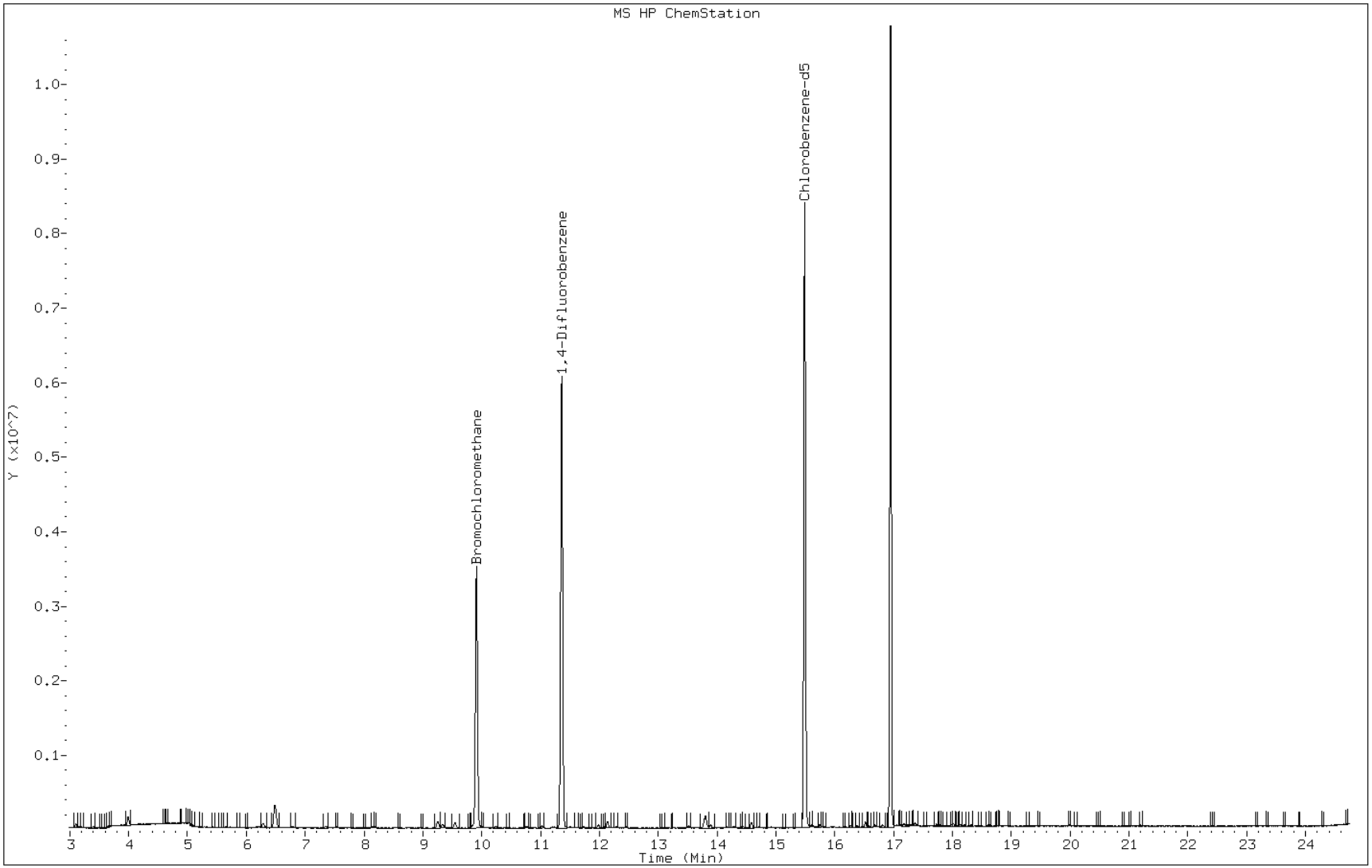
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.139	(0.822)	8383	0.01000	0.017(a)
	31 1,1-Dichloroethane	63	8.593	8.577	(0.867)	8732	0.01000	0.012
M	33 1,2-Dichloroethene, Total	61				10427	0.02000	0.023
	34 1,2-Dichloroethene (cis)	96	9.524	9.540	(0.961)	5229	0.01000	0.012
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1282694	2.00000	
	39 Chloroform	83	9.995	10.000	(1.009)	9618	0.01000	0.012
	40 Cyclohexane	84	10.252	10.252	(0.902)	7393	0.01000	0.012
	41 1,1,1-Trichloroethane	97	10.252	10.246	(0.902)	10215	0.01000	0.012
	42 Carbon tetrachloride	117	10.455	10.444	(0.920)	9795	0.01000	0.011
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	20913	0.01000	0.012
	44 Benzene	78	10.792	10.787	(0.950)	14827	0.01000	0.012
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	5150	0.01000	0.011(aM)
	46 n-Heptane	43	11.017	11.011	(0.970)	14675	0.01000	0.014
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	6511464	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	7547	0.01000	0.012
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	6010	0.01000	0.017(a)
	54 Bromodichloromethane	83	12.472	12.467	(1.098)	10403	0.01000	0.012
	55 1,3-Dichloropropene (cis)	75	13.093	13.098	(1.153)	6680	0.01000	0.012
	58 Toluene	92	13.510	13.515	(0.872)	11312	0.01000	0.012
	59 1,3-Dichloropropene (trans)	75	13.900	13.895	(1.224)	6010	0.01000	0.012
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	4182	0.01000	0.011(Q)
	61 Tetrachloroethene	166	14.275	14.285	(0.922)	7701	0.01000	0.011
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	7998	0.01000	0.011(Q)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	7226	0.01000	0.011
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	6023191	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	17727	0.01000	0.011
	69 Xylene (m,p)	106	15.741	15.751	(1.016)	12991	0.02000	0.022
M	70 Xylene, Total	106				19984	0.03000	0.033
	71 Xylene (o)	106	16.265	16.259	(1.050)	6993	0.01000	0.011(Q)
	73 Bromoform	173	16.591	16.586	(1.071)	7108	0.01000	0.012(M)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	10083	0.01000	0.011
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	15080	0.01000	0.010
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	14967	0.01000	0.013(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: efy004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 536030
Lab Sample ID: ic 536030

Date: 28-AUG-2013 12:59
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efy004.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 12:59
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 09/02/2013

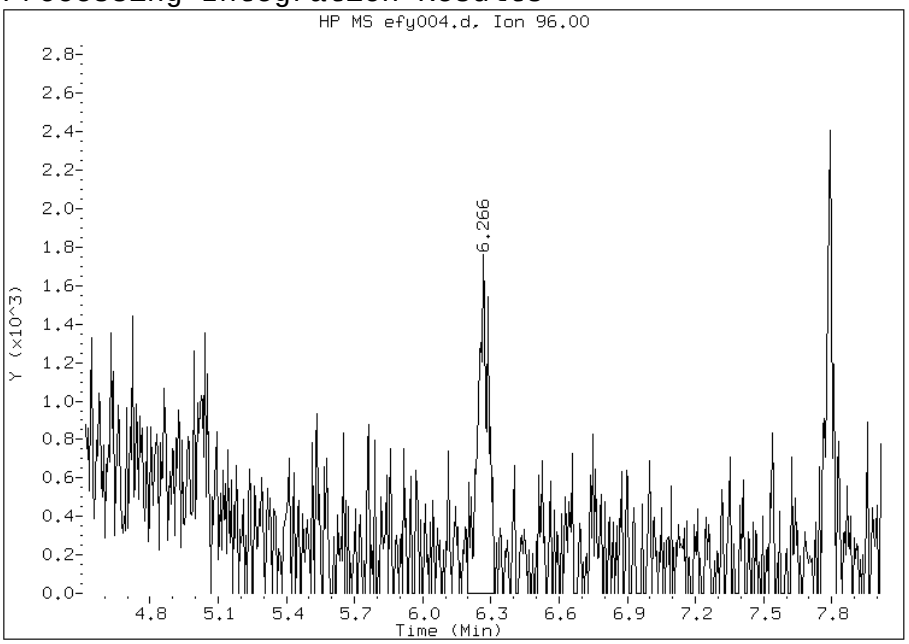
Processing Integration Results

RT: 6.27

Response: 5658

Amount: 0.014027

Conc: 0.014027



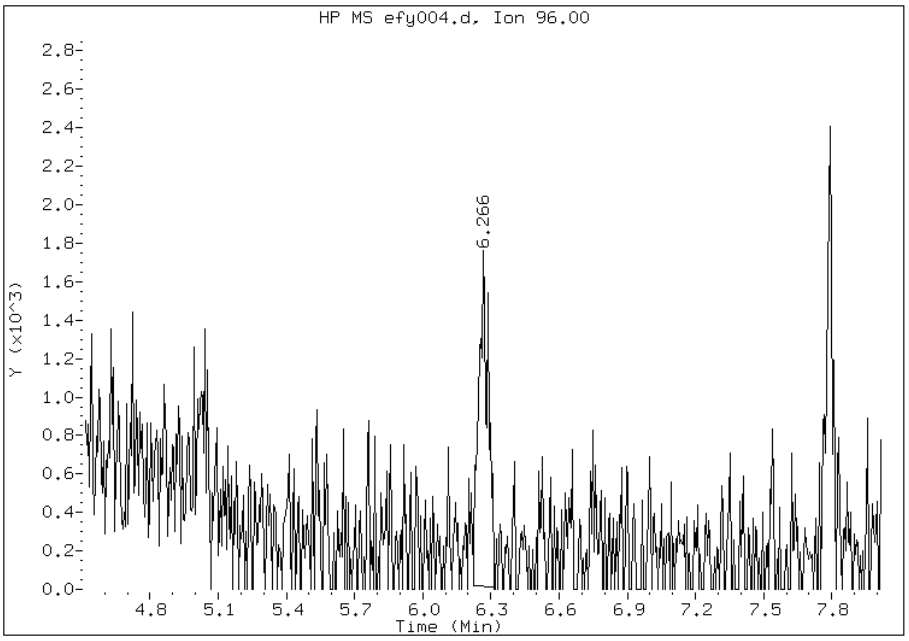
Manual Integration Results

RT: 6.27

Response: 5088

Amount: 0.012195

Conc: 0.012195



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efy004.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 12:59
Instrument ID: E.i
Client ID:
Compound: 73 Bromoform
CAS #: 75-25-2
Report Date: 09/02/2013

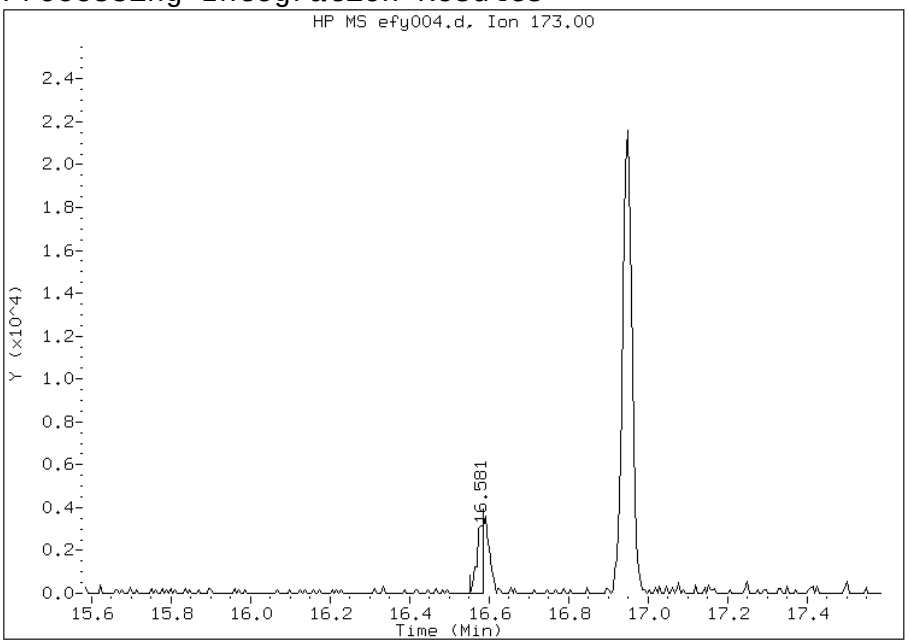
Processing Integration Results

RT: 16.58

Response: 3901

Amount: 0.006629

Conc: 0.006629



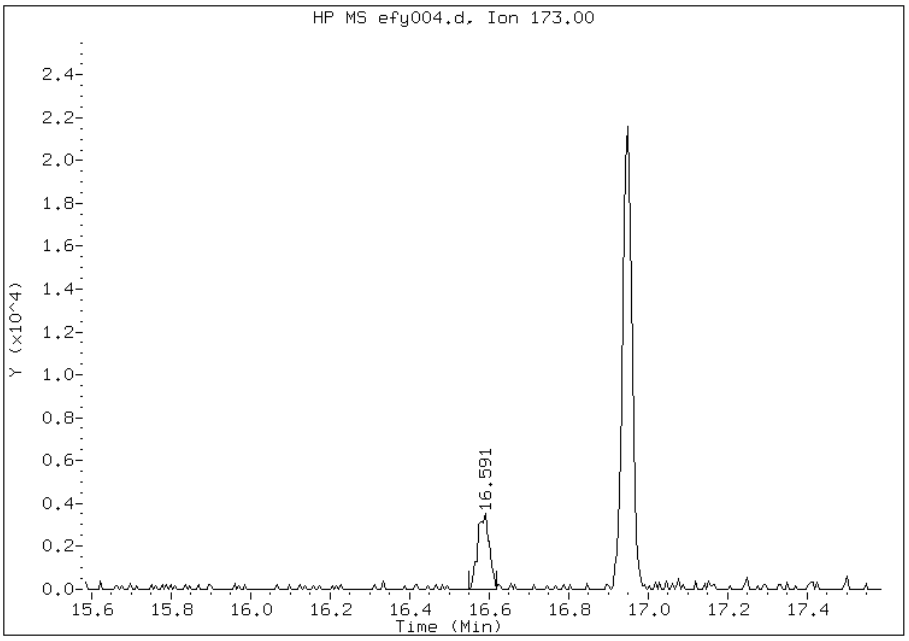
Manual Integration Results

RT: 16.59

Response: 7108

Amount: 0.011680

Conc: 0.011680



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy005.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 13:55
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 13:55 Cal File: efy005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

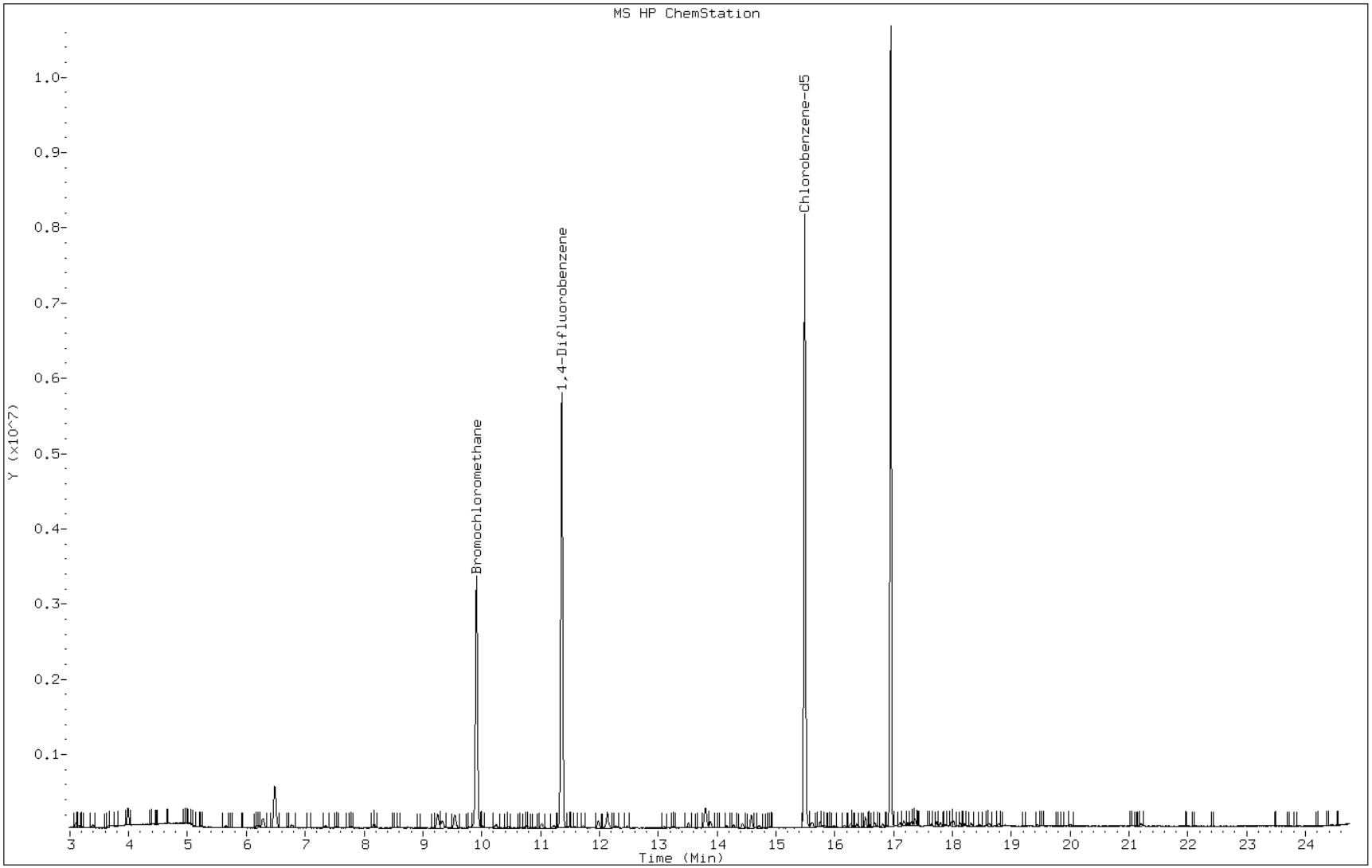
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	22535	0.02000	0.021
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	19569	0.02000	0.021
7 Vinyl chloride	62	3.736	3.730	(0.377)	5296	0.02000	0.023
8 1,3-Butadiene	54	3.795	3.795	(0.383)	2871	0.02000	0.020
9 Bromomethane	94	4.394	4.399	(0.443)	9007	0.02000	0.025
10 Chloroethane	64	4.613	4.602	(0.466)	3454	0.02000	0.025(M)
12 Vinyl bromide	106	4.982	4.982	(0.503)	8936	0.02000	0.024(QM)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	23594	0.02000	0.022
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	16318	0.02000	0.026(aQ)
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	8939	0.02000	0.022
22 Allyl chloride	41	7.053	7.063	(0.712)	11240	0.02000	0.026
25 Methylene chloride	49	7.352	7.352	(0.742)	23584	0.02000	0.060(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.786	(0.786)	11806	0.02000	0.023
28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	23279	0.02000	0.023(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.139	(0.822)	16817	0.02000	0.026
	31 1,1-Dichloroethane	63	8.572	8.577	(0.865)	15414	0.02000	0.022
M	33 1,2-Dichloroethene, Total	61				21592	0.04000	0.046
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	9786	0.02000	0.023
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1206263	2.00000	
	39 Chloroform	83	9.995	10.000	(1.009)	18069	0.02000	0.022
	40 Cyclohexane	84	10.246	10.252	(0.902)	13856	0.02000	0.022
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	18455	0.02000	0.022
	42 Carbon tetrachloride	117	10.455	10.444	(0.920)	20088	0.02000	0.023
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	37760	0.02000	0.021
	44 Benzene	78	10.787	10.787	(0.950)	27675	0.02000	0.022
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	11010	0.02000	0.022
	46 n-Heptane	43	11.017	11.011	(0.970)	31549	0.02000	0.027
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	6137650	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	12589	0.02000	0.021
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	9175	0.02000	0.023(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	17517	0.02000	0.021
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	12681	0.02000	0.022
	58 Toluene	92	13.526	13.515	(0.873)	18631	0.02000	0.021
	59 1,3-Dichloropropene (trans)	75	13.906	13.895	(1.224)	12988	0.02000	0.024
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	9944	0.02000	0.024
	61 Tetrachloroethene	166	14.291	14.285	(0.923)	14883	0.02000	0.022
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	16727	0.02000	0.023
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	15005	0.02000	0.023
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5655294	2.00000	
	67 Ethylbenzene	91	15.601	15.596	(1.007)	40698	0.02000	0.024
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	30350	0.04000	0.048
M	70 Xylene, Total	106				43734	0.06000	0.070
	71 Xylene (o)	106	16.265	16.259	(1.050)	13384	0.02000	0.022
	73 Bromoform	173	16.586	16.586	(1.071)	14207	0.02000	0.023
	75 1,1,2,2-Tetrachloroethane	83	17.115	17.105	(1.105)	23666	0.02000	0.024
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	34196	0.02000	0.023
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	32420	0.02000	0.024

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:	efy005.d	Date:	28-AUG-2013 13:55
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 536030		
Lab Sample ID:	ic 536030		



Manual Integration Report

Data File: efy005.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 13:55
Instrument ID: E.i
Client ID:
Compound: 10 Chloroethane
CAS #: 75-00-3
Report Date: 09/02/2013

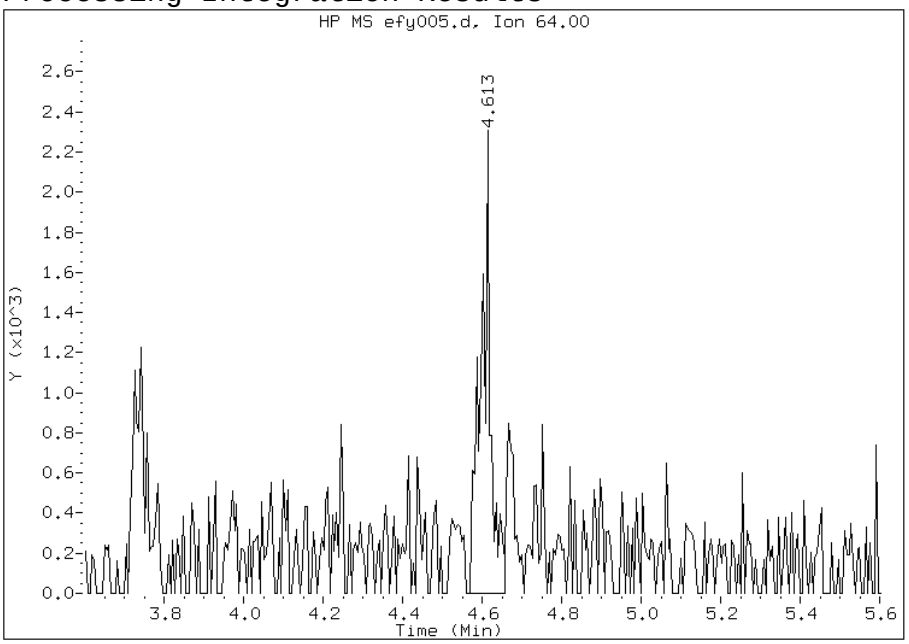
Processing Integration Results

RT: 4.61

Response: 3916

Amount: 0.027824

Conc: 0.027824



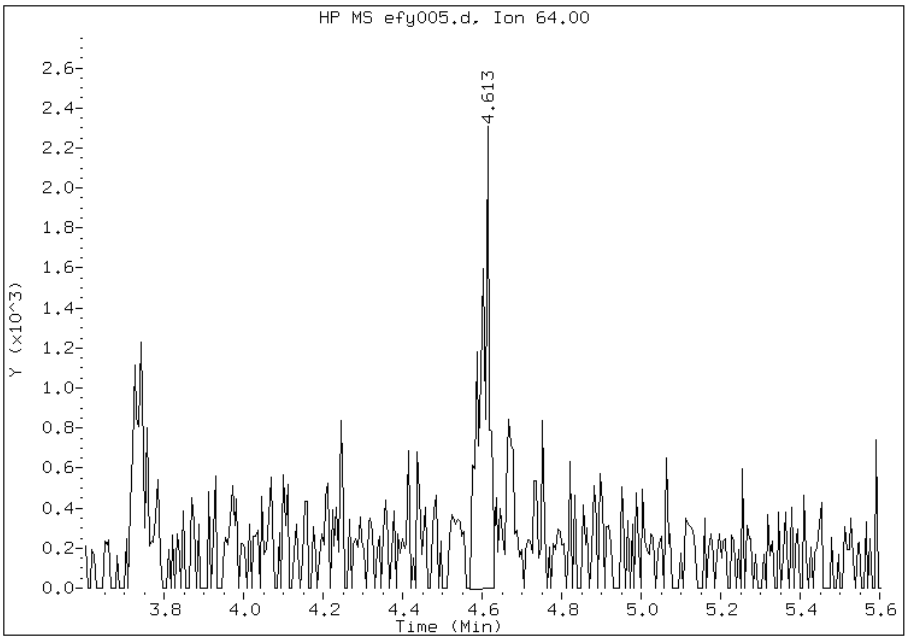
Manual Integration Results

RT: 4.61

Response: 3454

Amount: 0.025219

Conc: 0.025219



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efy005.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 13:55
Instrument ID: E.i
Client ID:
Compound: 12 Vinyl bromide
CAS #: 593-60-2
Report Date: 09/02/2013

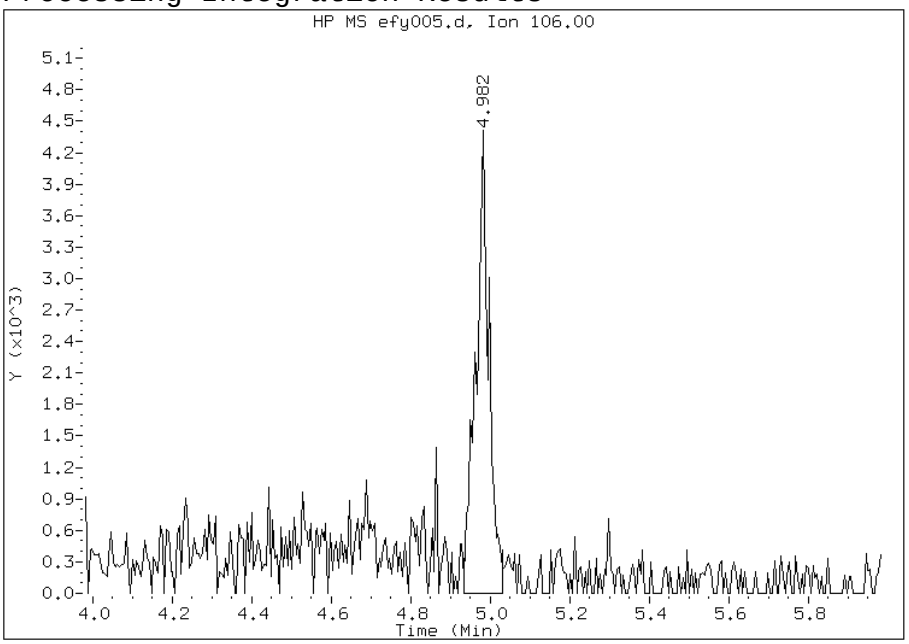
Processing Integration Results

RT: 4.98

Response: 10025

Amount: 0.028286

Conc: 0.028286



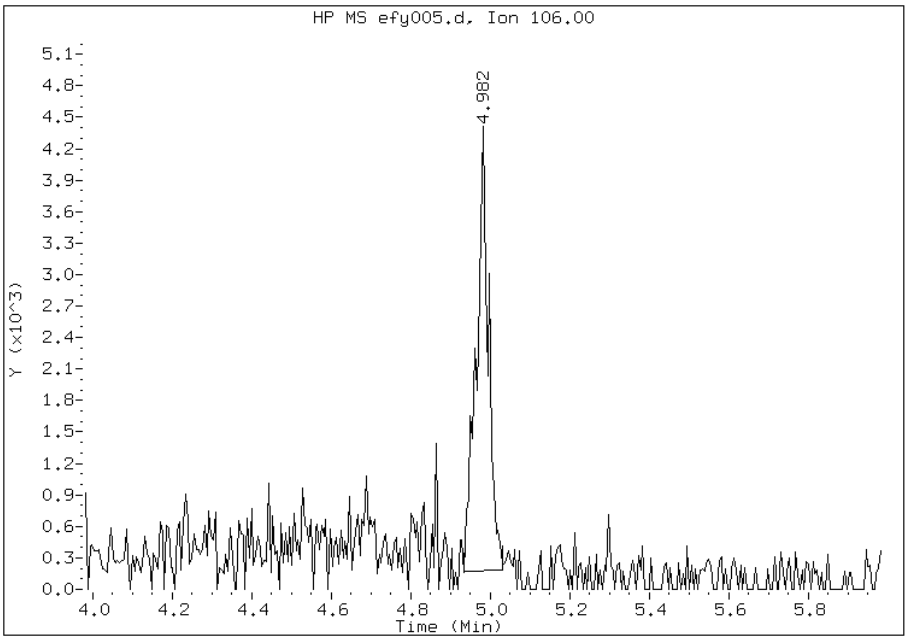
Manual Integration Results

RT: 4.98

Response: 8936

Amount: 0.024311

Conc: 0.024311



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efy005.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 13:55
Instrument ID: E.i
Client ID:
Compound: 28 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 09/02/2013

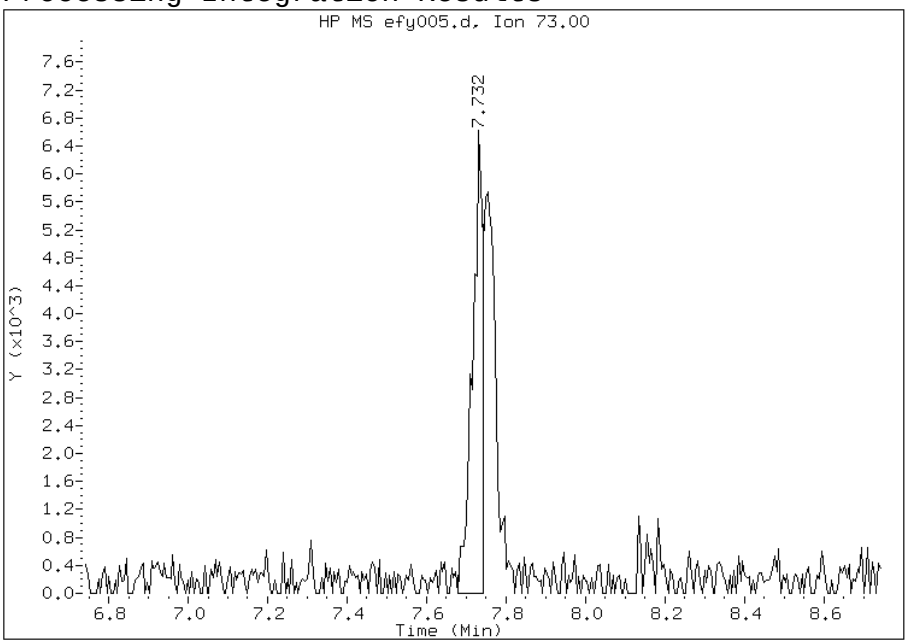
Processing Integration Results

RT: 7.73

Response: 12164

Amount: 0.014029

Conc: 0.014029



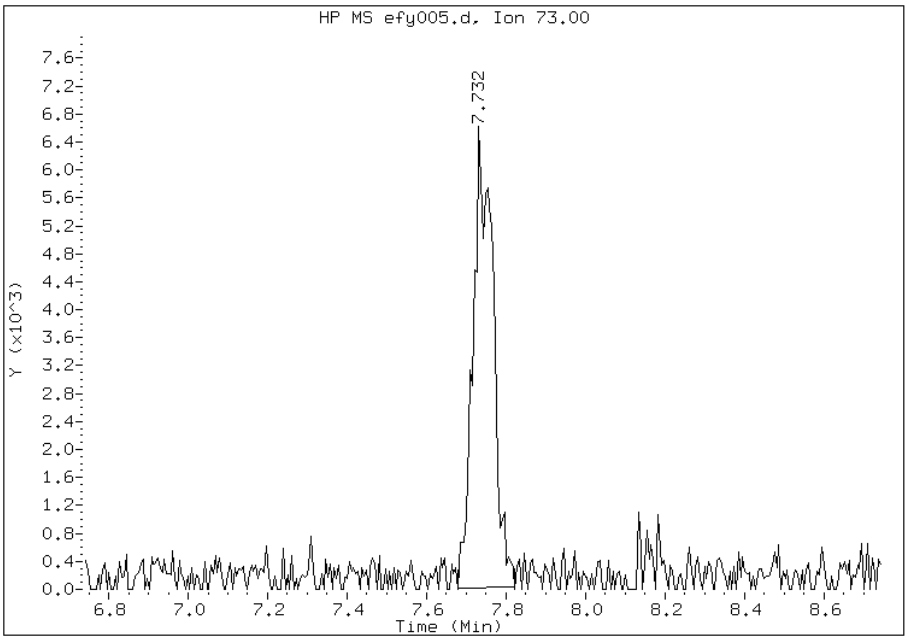
Manual Integration Results

RT: 7.73

Response: 23279

Amount: 0.023402

Conc: 0.023402



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy006.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 14:52
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 14:52 Cal File: efy006.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

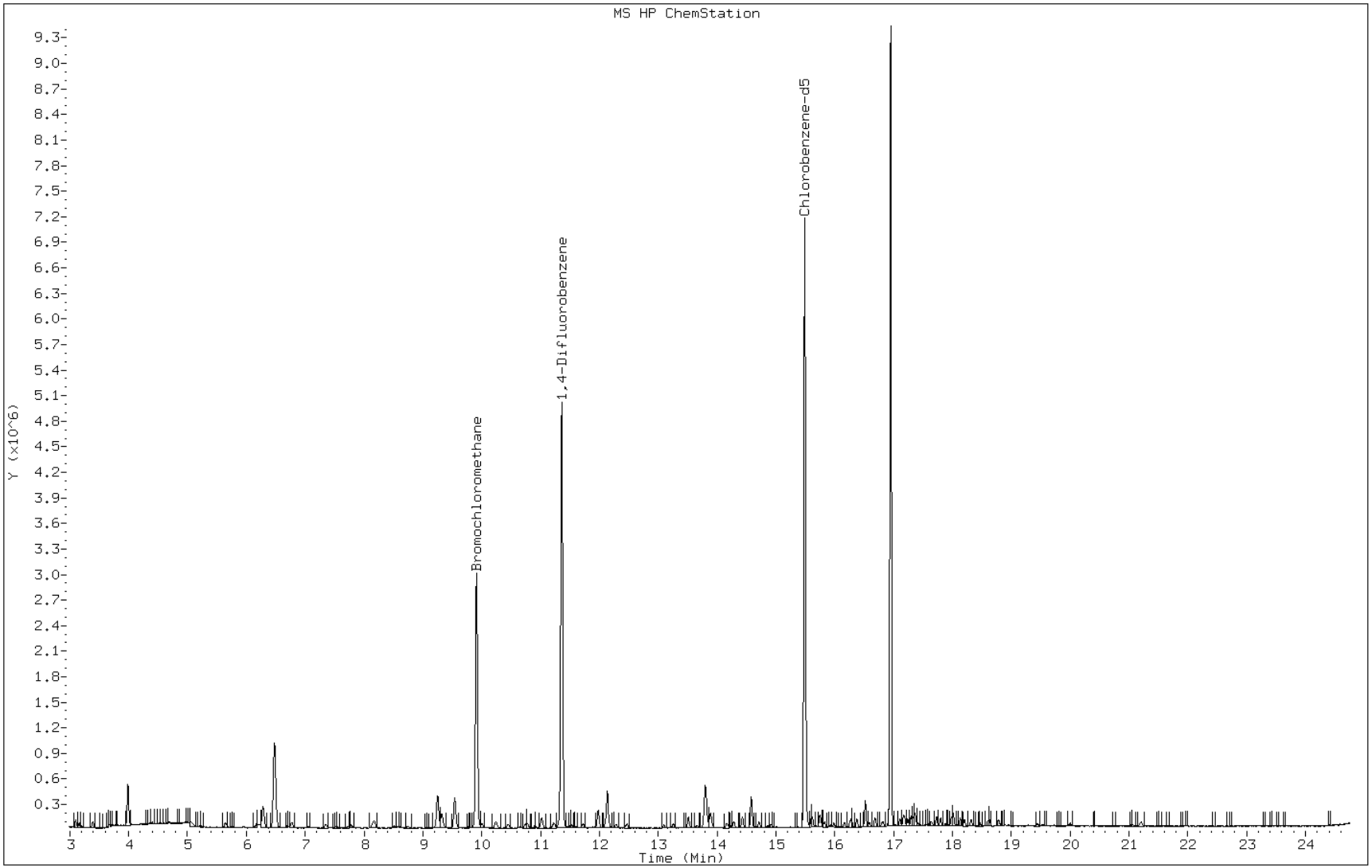
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	39753	0.04000	0.042
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	37148	0.04000	0.044
7 Vinyl chloride	62	3.736	3.730	(0.377)	9845	0.04000	0.046
8 1,3-Butadiene	54	3.800	3.795	(0.383)	5833	0.04000	0.045
9 Bromomethane	94	4.399	4.399	(0.444)	14737	0.04000	0.045(Q)
10 Chloroethane	64	4.602	4.602	(0.464)	5958	0.04000	0.046
12 Vinyl bromide	106	4.982	4.982	(0.503)	16333	0.04000	0.047
13 Trichlorofluoromethane	101	5.073	5.079	(0.512)	47478	0.04000	0.048
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	32662	0.04000	0.048
19 1,1-Dichloroethene	96	6.277	6.266	(0.633)	16227	0.04000	0.044
22 Allyl chloride	41	7.058	7.063	(0.712)	16630	0.04000	0.042(M)
25 Methylene chloride	49	7.347	7.352	(0.741)	34132	0.04000	0.100
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	22141	0.04000	0.047
28 Methyl tert-butyl ether	73	7.748	7.743	(0.782)	42414	0.04000	0.046

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.133	8.139	(0.821)	30815	0.04000	0.049
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	30656	0.04000	0.047
M	33 1,2-Dichloroethene, Total	61				39569	0.08000	0.092
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	17428	0.04000	0.045
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1046190	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	33408	0.04000	0.045
	40 Cyclohexane	84	10.252	10.252	(0.902)	24383	0.04000	0.045
	41 1,1,1-Trichloroethane	97	10.252	10.246	(0.902)	33277	0.04000	0.044
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	36630	0.04000	0.047
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	75495	0.04000	0.047
	44 Benzene	78	10.787	10.787	(0.950)	47903	0.04000	0.044
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	19403	0.04000	0.044
	46 n-Heptane	43	11.027	11.011	(0.971)	55881	0.04000	0.051
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5205847	2.00000	
	49 Trichloroethene	95	11.712	11.723	(1.031)	20871	0.04000	0.041
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	17274	0.04000	0.047(Q)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	33414	0.04000	0.045
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	25820	0.04000	0.049
	58 Toluene	92	13.515	13.515	(0.873)	35963	0.04000	0.044
	59 1,3-Dichloropropene (trans)	75	13.890	13.895	(1.223)	23405	0.04000	0.048
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	17512	0.04000	0.047
	61 Tetrachloroethene	166	14.280	14.285	(0.922)	26565	0.04000	0.044
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	31147	0.04000	0.046
	64 1,2-Dibromoethane	107	14.911	14.917	(0.963)	28711	0.04000	0.047
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4904238	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	70177	0.04000	0.046
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	52662	0.08000	0.092
M	70 Xylene, Total	106				78533	0.12000	0.14
	71 Xylene (o)	106	16.270	16.259	(1.050)	25871	0.04000	0.046
	73 Bromoform	173	16.591	16.586	(1.071)	26310	0.04000	0.046
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	43692	0.04000	0.048
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	71865	0.04000	0.051
	81 1,3,5-Trimethylbenzene	105	17.362	17.361	(1.121)	59724	0.04000	0.046

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efy006.d	Date:	28-AUG-2013 14:52
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 536030		
Lab Sample ID:	ic 536030		



Manual Integration Report

Data File: efy006.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 14:52
Instrument ID: E.i
Client ID:
Compound: 22 Allyl chloride
CAS #: 107-05-1
Report Date: 09/02/2013

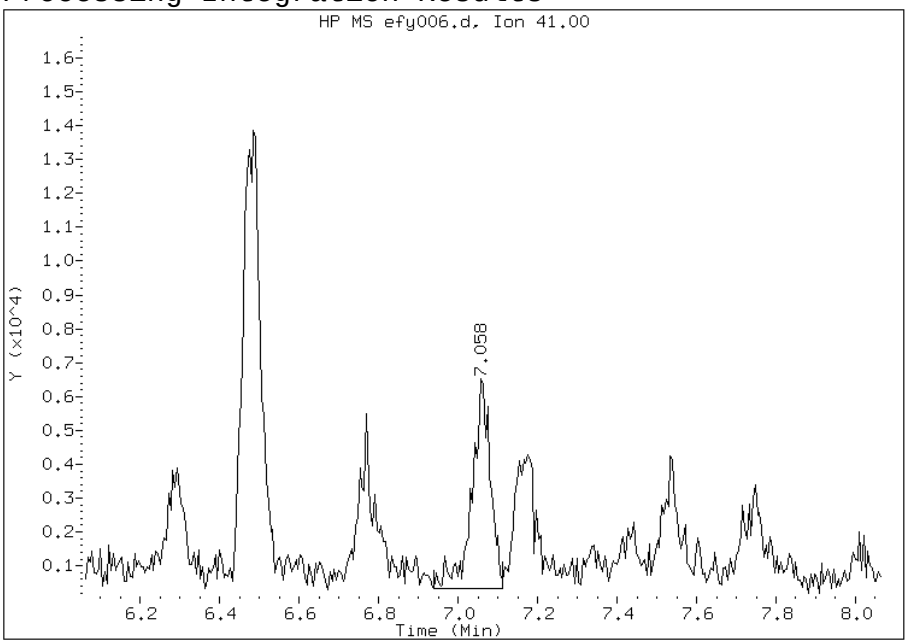
Processing Integration Results

RT: 7.06

Response: 19850

Amount: 0.048421

Conc: 0.048421



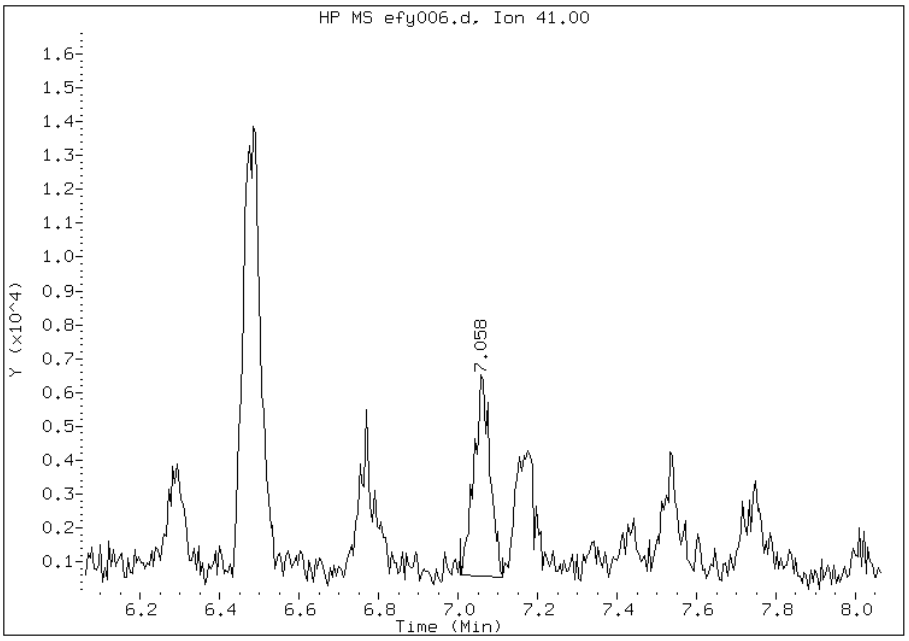
Manual Integration Results

RT: 7.06

Response: 16630

Amount: 0.042276

Conc: 0.042276



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy007.d
Lab Smp Id: ic 532191
Inj Date : 28-AUG-2013 15:48
Operator : wrd Inst ID: E.i
Smp Info : ic 532191
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 15:48 Cal File: efy007.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

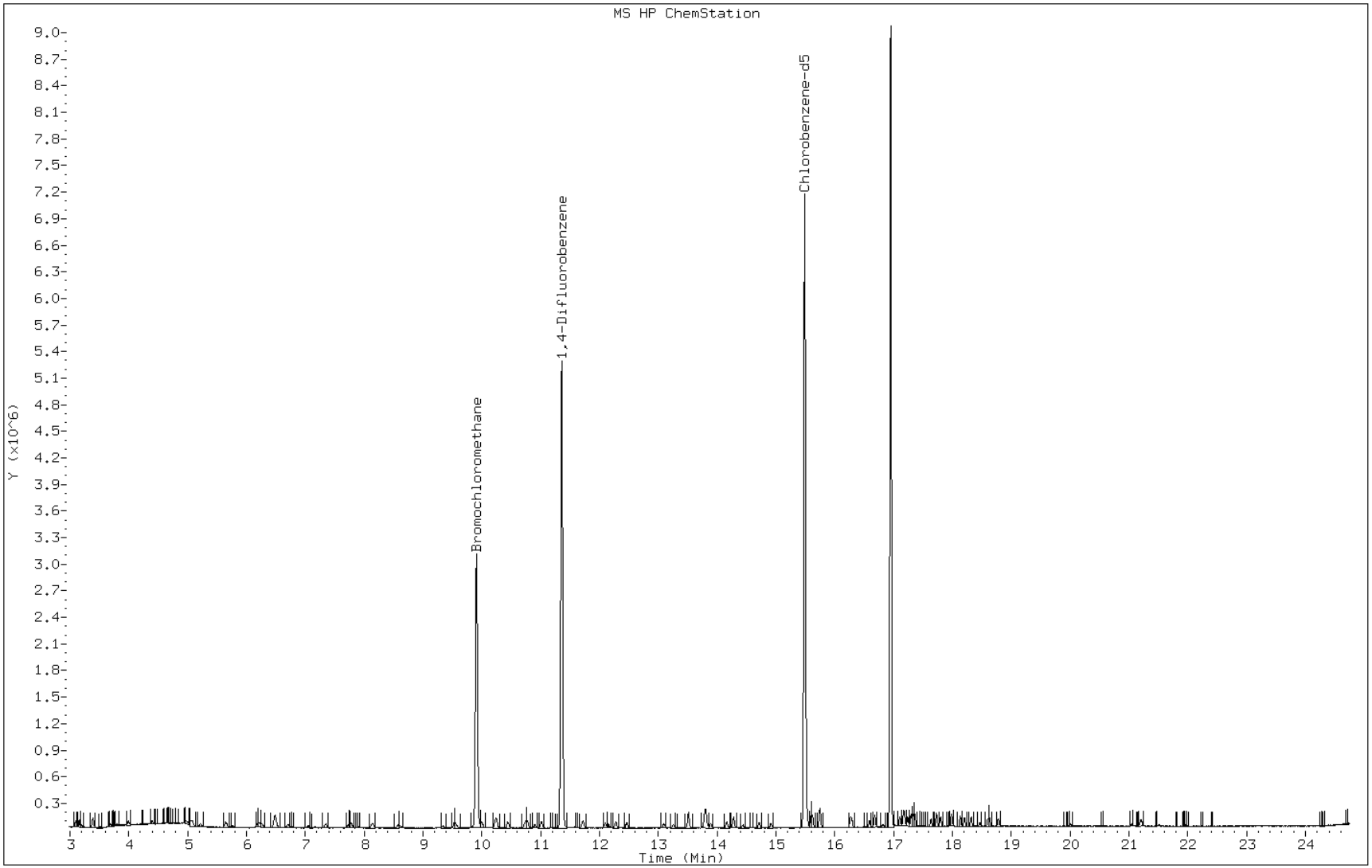
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	71121	0.10000	0.077
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	63300	0.10000	0.077
7 Vinyl chloride	62	3.730	3.730	(0.376)	15711	0.10000	0.076
8 1,3-Butadiene	54	3.795	3.795	(0.383)	11804	0.10000	0.091
9 Bromomethane	94	4.399	4.399	(0.444)	21126	0.10000	0.069
10 Chloroethane	64	4.613	4.602	(0.466)	7659	0.10000	0.064(Q)
12 Vinyl bromide	106	4.971	4.982	(0.502)	22563	0.10000	0.069
13 Trichlorofluoromethane	101	5.073	5.079	(0.512)	81561	0.10000	0.083
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	52808	0.10000	0.082
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	24654	0.10000	0.070
22 Allyl chloride	41	7.052	7.063	(0.712)	25364	0.10000	0.069
25 Methylene chloride	49	7.357	7.352	(0.742)	34358	0.10000	0.099(a)
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	36922	0.10000	0.080
28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	64811	0.10000	0.074

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.133	8.139	(0.821)	41061	0.10000	0.069
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	42683	0.10000	0.069
M	33 1,2-Dichloroethene, Total	61				62160	0.20000	0.15
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	25238	0.10000	0.068
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1077950	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	54309	0.10000	0.075
	40 Cyclohexane	84	10.241	10.252	(0.902)	37979	0.10000	0.071
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	56616	0.10000	0.076
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	56050	0.10000	0.073
	43 2,2,4-Trimethylpentane	57	10.738	10.744	(0.945)	117950	0.10000	0.075
	44 Benzene	78	10.787	10.787	(0.950)	74861	0.10000	0.070
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	35881	0.10000	0.082
	46 n-Heptane	43	11.011	11.011	(0.969)	37912	0.10000	0.038
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5476956	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	35210	0.10000	0.071
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	25425	0.10000	0.072
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	52768	0.10000	0.072
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	36667	0.10000	0.071
	58 Toluene	92	13.515	13.515	(0.873)	51590	0.10000	0.069
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	32420	0.10000	0.068
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	25950	0.10000	0.074
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	43152	0.10000	0.076
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	47390	0.10000	0.075
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	43727	0.10000	0.076
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4909773	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	103308	0.10000	0.072
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	76831	0.20000	0.14
M	70 Xylene, Total	106				117827	0.30000	0.22
	71 Xylene (o)	106	16.265	16.259	(1.050)	40996	0.10000	0.078
	73 Bromoform	173	16.591	16.586	(1.071)	34300	0.10000	0.066
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	59035	0.10000	0.070
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	99680	0.10000	0.075
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	75109	0.10000	0.065

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	efy007.d	Date:	28-AUG-2013 15:48
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 532191		
Lab Sample ID:	ic 532191		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy008.d
Lab Smp Id: icis 532191
Inj Date : 28-AUG-2013 16:44
Operator : wrd Inst ID: E.i
Smp Info : icis 532191
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 16:44 Cal File: efy008.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

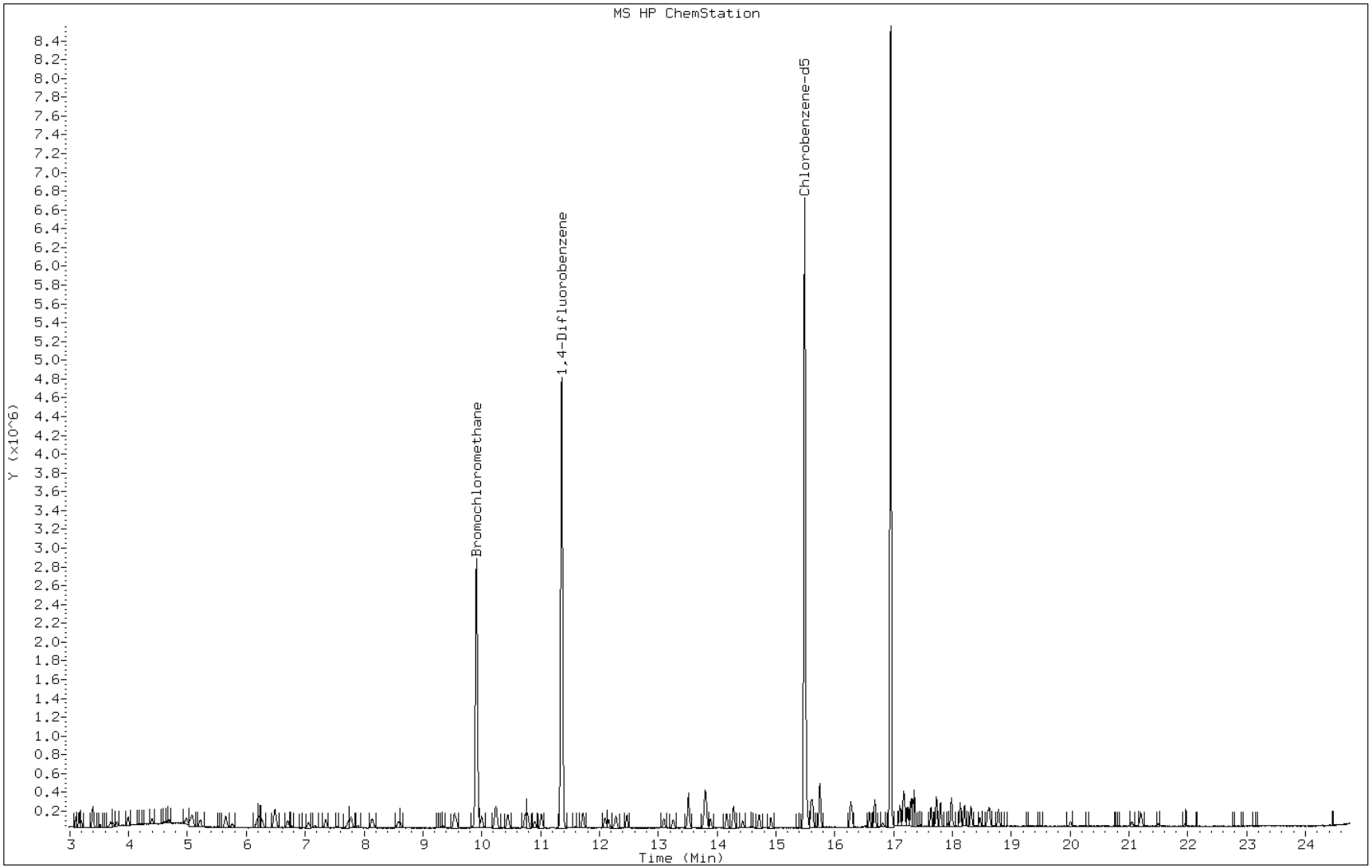
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	143754	0.20000	0.17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	130612	0.20000	0.17
7 Vinyl chloride	62	3.730	3.730	(0.376)	31750	0.20000	0.17
8 1,3-Butadiene	54	3.795	3.795	(0.383)	22140	0.20000	0.19
9 Bromomethane	94	4.399	4.399	(0.444)	43330	0.20000	0.15
10 Chloroethane	64	4.602	4.602	(0.464)	16543	0.20000	0.15
12 Vinyl bromide	106	4.982	4.982	(0.503)	47123	0.20000	0.16
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	149917	0.20000	0.17
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	101024	0.20000	0.17
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	50047	0.20000	0.16
22 Allyl chloride	41	7.063	7.063	(0.713)	52187	0.20000	0.16
25 Methylene chloride	49	7.352	7.352	(0.742)	64613	0.20000	0.20
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	71616	0.20000	0.17
28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	132126	0.20000	0.16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.139	8.139	(0.821)	75691	0.20000	0.14
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	86070	0.20000	0.15
M	33 1,2-Dichloroethene, Total	61				123109	0.40000	0.32
	34 1,2-Dichloroethene (cis)	96	9.540	9.540	(0.963)	51493	0.20000	0.15
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	985733	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	107145	0.20000	0.16
	40 Cyclohexane	84	10.252	10.252	(0.902)	72676	0.20000	0.15
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	110538	0.20000	0.16
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	111020	0.20000	0.16
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	229580	0.20000	0.16
	44 Benzene	78	10.787	10.787	(0.950)	154253	0.20000	0.16
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	68720	0.20000	0.17
	46 n-Heptane	43	11.011	11.011	(0.969)	83505	0.20000	0.093
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4947324	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	67867	0.20000	0.15
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	53483	0.20000	0.17
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	105626	0.20000	0.16
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	72762	0.20000	0.16
	58 Toluene	92	13.515	13.515	(0.873)	111067	0.20000	0.16
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	66956	0.20000	0.15
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	52041	0.20000	0.16
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	87024	0.20000	0.16
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	96537	0.20000	0.16
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	86015	0.20000	0.16
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4554469	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	216706	0.20000	0.16
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	163953	0.40000	0.33
M	70 Xylene, Total	106				244001	0.60000	0.49
	71 Xylene (o)	106	16.259	16.259	(1.050)	80048	0.20000	0.16
	73 Bromoform	173	16.586	16.586	(1.071)	76570	0.20000	0.16
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	123506	0.20000	0.16
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	215404	0.20000	0.17
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	176144	0.20000	0.16

Data File: efy008.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 532191
Lab Sample ID: icis 532191

Date: 28-AUG-2013 16:44
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy009.d
Lab Smp Id: ic 532191
Inj Date : 28-AUG-2013 17:40
Operator : wrd Inst ID: E.i
Smp Info : ic 532191
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 17:40 Cal File: efy009.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	354623	0.50000	0.43
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	337819	0.50000	0.46
7 Vinyl chloride	62	3.730	3.730	(0.376)	82550	0.50000	0.45
8 1,3-Butadiene	54	3.800	3.795	(0.383)	52924	0.50000	0.46
9 Bromomethane	94	4.399	4.399	(0.444)	107593	0.50000	0.40
10 Chloroethane	64	4.602	4.602	(0.464)	37578	0.50000	0.37
12 Vinyl bromide	106	4.982	4.982	(0.503)	121217	0.50000	0.42
13 Trichlorofluoromethane	101	5.078	5.079	(0.512)	386172	0.50000	0.44
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	256916	0.50000	0.45
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	123200	0.50000	0.40
22 Allyl chloride	41	7.063	7.063	(0.713)	134079	0.50000	0.42
25 Methylene chloride	49	7.347	7.352	(0.741)	155255	0.50000	0.49
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	190013	0.50000	0.46
28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	350231	0.50000	0.44

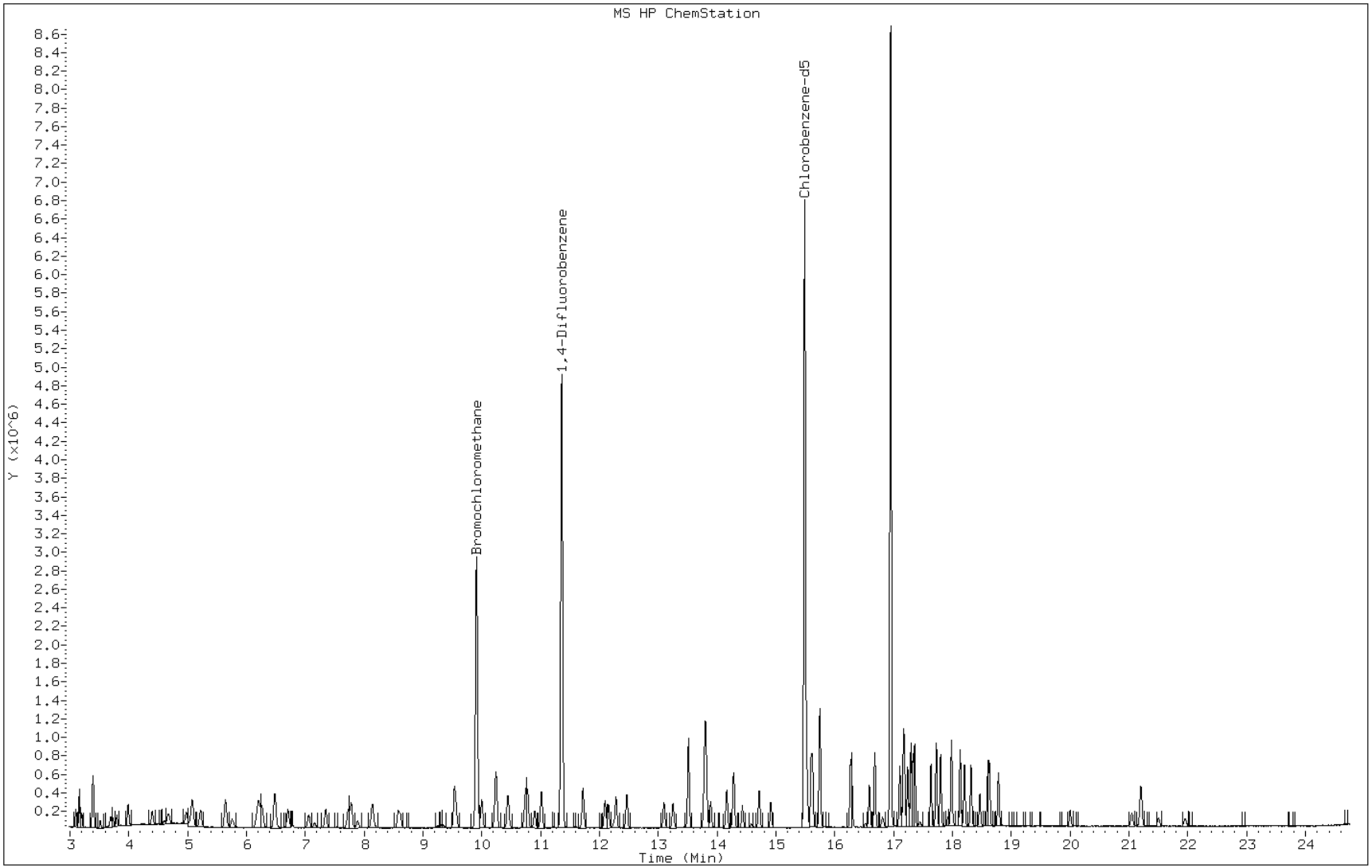
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.139	(0.822)	196677	0.50000	0.38
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	230817	0.50000	0.42
M	33 1,2-Dichloroethene, Total	61				329233	1.00000	0.88
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	139220	0.50000	0.42
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	987730	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	277474	0.50000	0.43
	40 Cyclohexane	84	10.246	10.252	(0.902)	182345	0.50000	0.39
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	299993	0.50000	0.45
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	295080	0.50000	0.43
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	601079	0.50000	0.43
	44 Benzene	78	10.781	10.787	(0.949)	387992	0.50000	0.41
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	181844	0.50000	0.47
	46 n-Heptane	43	11.011	11.011	(0.969)	209622	0.50000	0.26
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4958723	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	178217	0.50000	0.41
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	143886	0.50000	0.46(Q)
	54 Bromodichloromethane	83	12.461	12.467	(1.097)	292578	0.50000	0.45
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	202057	0.50000	0.44
	58 Toluene	92	13.515	13.515	(0.873)	282078	0.50000	0.42
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	193290	0.50000	0.45
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	141858	0.50000	0.44
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	224737	0.50000	0.44
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	263713	0.50000	0.46
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	236532	0.50000	0.45
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4564931	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	593127	0.50000	0.45
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	456506	1.00000	0.93
M	70 Xylene, Total	106				676805	1.50000	1.4
	71 Xylene (o)	106	16.265	16.259	(1.050)	220299	0.50000	0.46
	73 Bromoform	173	16.586	16.586	(1.071)	228125	0.50000	0.47
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	349593	0.50000	0.46
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	616479	0.50000	0.50
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	523415	0.50000	0.49

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efy009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 532191
Lab Sample ID: ic 532191

Date: 28-AUG-2013 17:40
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy010.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 18:36
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 75,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 18:36 Cal File: efy010.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	75.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

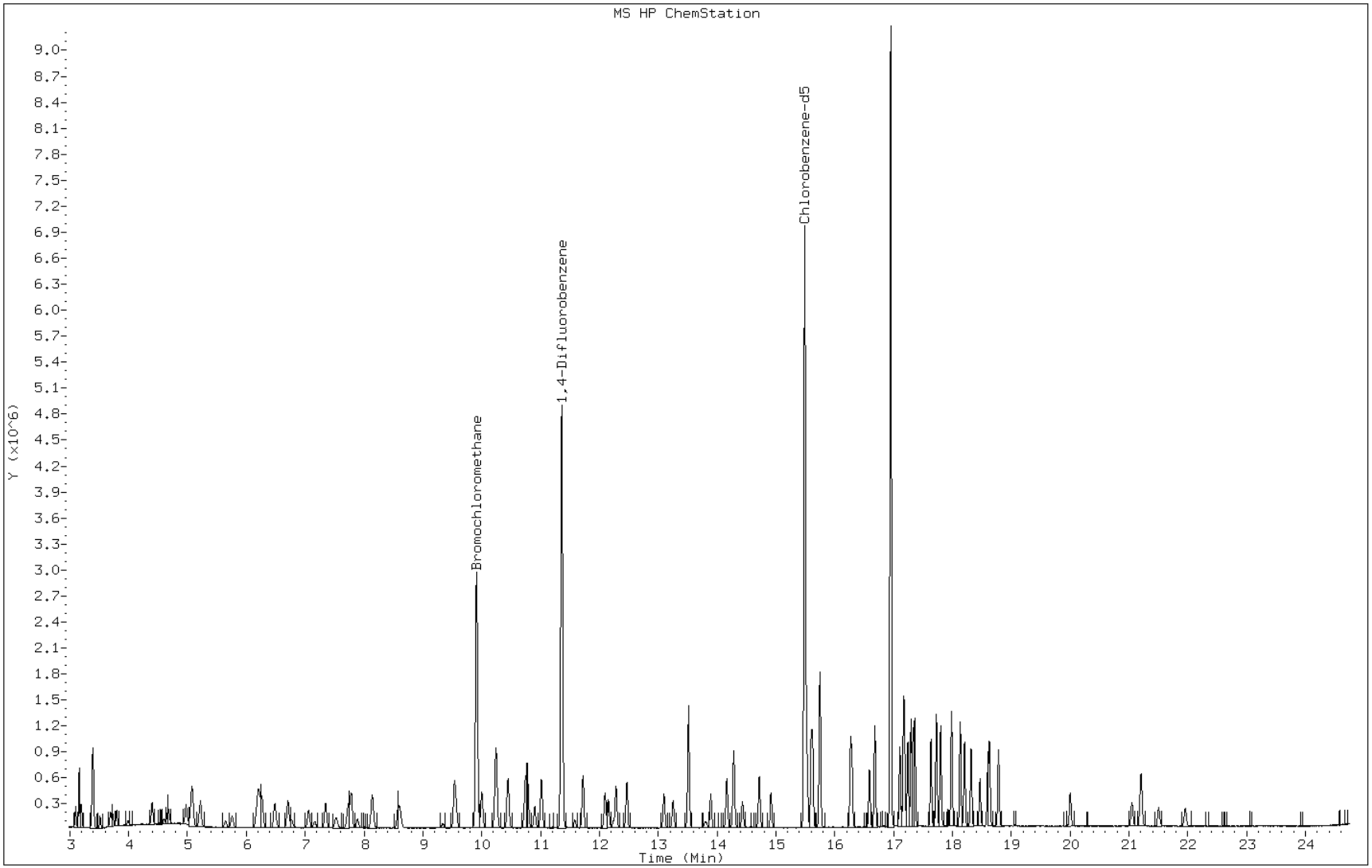
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	595542	0.75000	0.72
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	559711	0.75000	0.75
7 Vinyl chloride	62	3.730	3.730	(0.376)	135340	0.75000	0.73
8 1,3-Butadiene	54	3.795	3.795	(0.383)	83323	0.75000	0.71
9 Bromomethane	94	4.399	4.399	(0.444)	176662	0.75000	0.66
10 Chloroethane	64	4.602	4.602	(0.464)	62055	0.75000	0.60
12 Vinyl bromide	106	4.977	4.982	(0.502)	203918	0.75000	0.71
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	627555	0.75000	0.71
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	405077	0.75000	0.71
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	199183	0.75000	0.64
22 Allyl chloride	41	7.063	7.063	(0.713)	199361	0.75000	0.61
25 Methylene chloride	49	7.347	7.352	(0.741)	216196	0.75000	0.70
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	291131	0.75000	0.70
28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	491667	0.75000	0.62

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.139	8.139	(0.821)	285480	0.75000	0.55
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	340792	0.75000	0.61
M	33 1,2-Dichloroethene, Total	61				482127	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	190996	0.75000	0.58
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	992179	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	405461	0.75000	0.63
	40 Cyclohexane	84	10.241	10.252	(0.902)	283175	0.75000	0.62
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	435557	0.75000	0.66
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	467445	0.75000	0.69
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	889765	0.75000	0.64
	44 Benzene	78	10.787	10.787	(0.950)	542772	0.75000	0.58
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	248315	0.75000	0.64
	46 n-Heptane	43	11.011	11.011	(0.969)	302469	0.75000	0.37
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4923440	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	250449	0.75000	0.58
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	199879	0.75000	0.64(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	418269	0.75000	0.65
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	290619	0.75000	0.64
	58 Toluene	92	13.515	13.515	(0.873)	374735	0.75000	0.54
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	265353	0.75000	0.63
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	195047	0.75000	0.60
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	330332	0.75000	0.63
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	385899	0.75000	0.66
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	336512	0.75000	0.63
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4651532	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	816584	0.75000	0.61
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	637194	1.50000	1.3
M	70 Xylene, Total	106				952573	2.25000	1.9
	71 Xylene (o)	106	16.265	16.259	(1.050)	315379	0.75000	0.64
	73 Bromoform	173	16.586	16.586	(1.071)	336943	0.75000	0.69
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	504949	0.75000	0.64
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	886305	0.75000	0.70
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	734650	0.75000	0.68

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	efy010.d	Date:	28-AUG-2013 18:36
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 531973		
Lab Sample ID:	ic 531973		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy011.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 19:32
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 100,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 19:32 Cal File: efy011.d
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	801911	1.00000	0.96
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	767634	1.00000	1.0(A)
7 Vinyl chloride	62	3.730	3.730	(0.376)	180873	1.00000	0.97
8 1,3-Butadiene	54	3.795	3.795	(0.383)	110430	1.00000	0.94
9 Bromomethane	94	4.404	4.399	(0.444)	240634	1.00000	0.90
10 Chloroethane	64	4.602	4.602	(0.464)	83885	1.00000	0.83
12 Vinyl bromide	106	4.977	4.982	(0.502)	264713	1.00000	0.92
13 Trichlorofluoromethane	101	5.078	5.079	(0.512)	866839	1.00000	0.97
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	562596	1.00000	0.98
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	271296	1.00000	0.88
22 Allyl chloride	41	7.063	7.063	(0.713)	266131	1.00000	0.84
25 Methylene chloride	49	7.352	7.352	(0.742)	293482	1.00000	0.94
27 1,2-Dichloroethene (trans)	61	7.785	7.786	(0.786)	396246	1.00000	0.95
28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	698189	1.00000	0.88

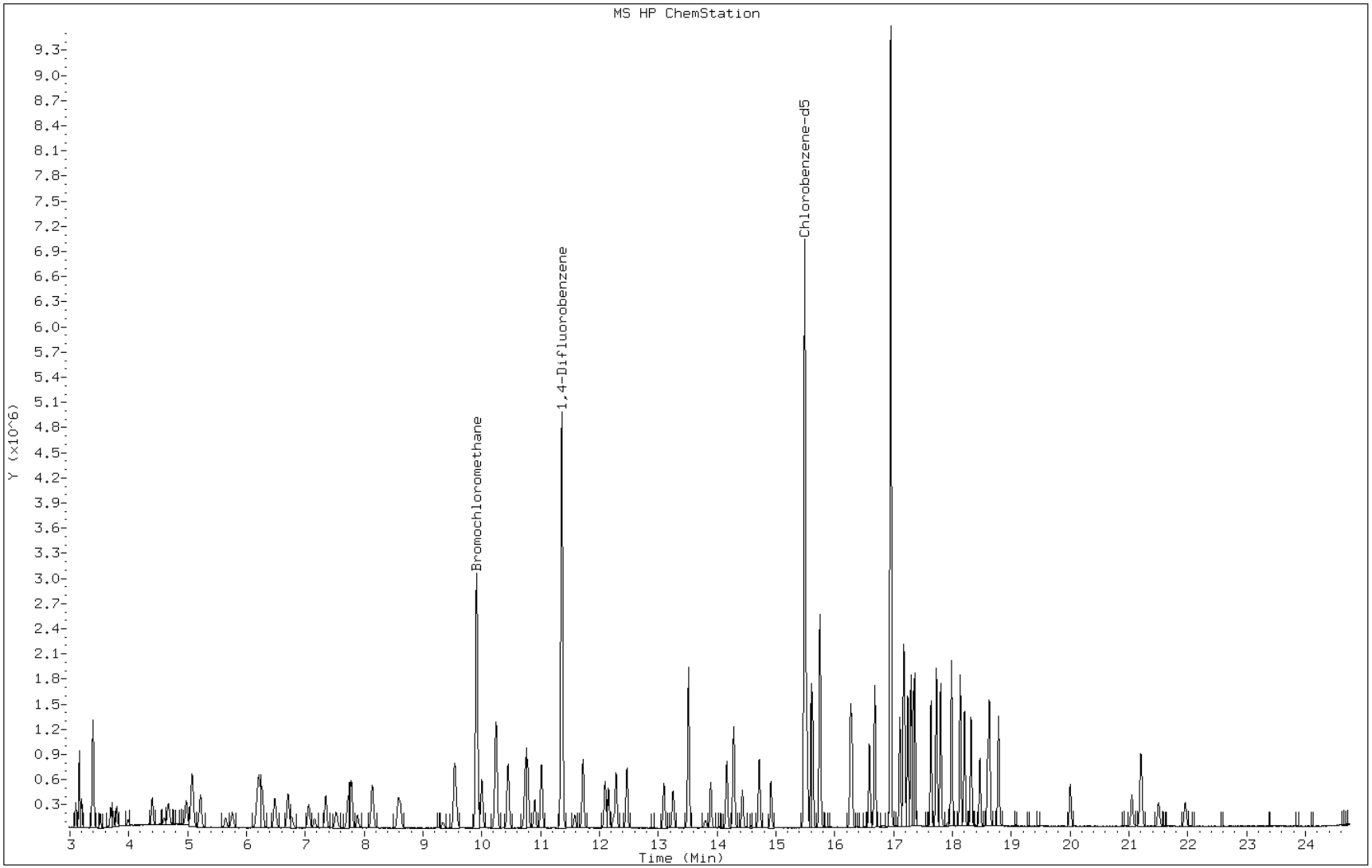
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.139	(0.822)	387470	1.00000	0.78
	31 1,1-Dichloroethane	63	8.582	8.577	(0.866)	456554	1.00000	0.84
M	33 1,2-Dichloroethene, Total	61				667356	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	271110	1.00000	0.83
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1005546	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	559735	1.00000	0.87
	40 Cyclohexane	84	10.246	10.252	(0.902)	389862	1.00000	0.86
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	605132	1.00000	0.92
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	628867	1.00000	0.93
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	1193648	1.00000	0.87
	44 Benzene	78	10.787	10.787	(0.950)	750662	1.00000	0.82
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	340230	1.00000	0.89
	46 n-Heptane	43	11.011	11.011	(0.969)	409615	1.00000	0.54
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5003700	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	350107	1.00000	0.82
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	273951	1.00000	0.88(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	576337	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	392026	1.00000	0.87
	58 Toluene	92	13.520	13.515	(0.873)	548677	1.00000	0.81
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	375600	1.00000	0.89
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	271481	1.00000	0.85
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	449792	1.00000	0.86
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	538291	1.00000	0.92
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	467814	1.00000	0.88
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4712969	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	1170723	1.00000	0.88
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	913219	2.00000	1.8
M	70 Xylene, Total	106				1368734	3.00000	2.8
	71 Xylene (o)	106	16.270	16.259	(1.050)	455515	1.00000	0.92
	73 Bromoform	173	16.586	16.586	(1.071)	497498	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	716151	1.00000	0.92
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	1279646	1.00000	1.0(A)
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	1059884	1.00000	0.96

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: efy011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531973
Lab Sample ID: ic 531973

Date: 28-AUG-2013 19:32
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy012.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 20:27
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 150,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 20:27 Cal File: efy012.d
Als bottle: 5 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	150.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

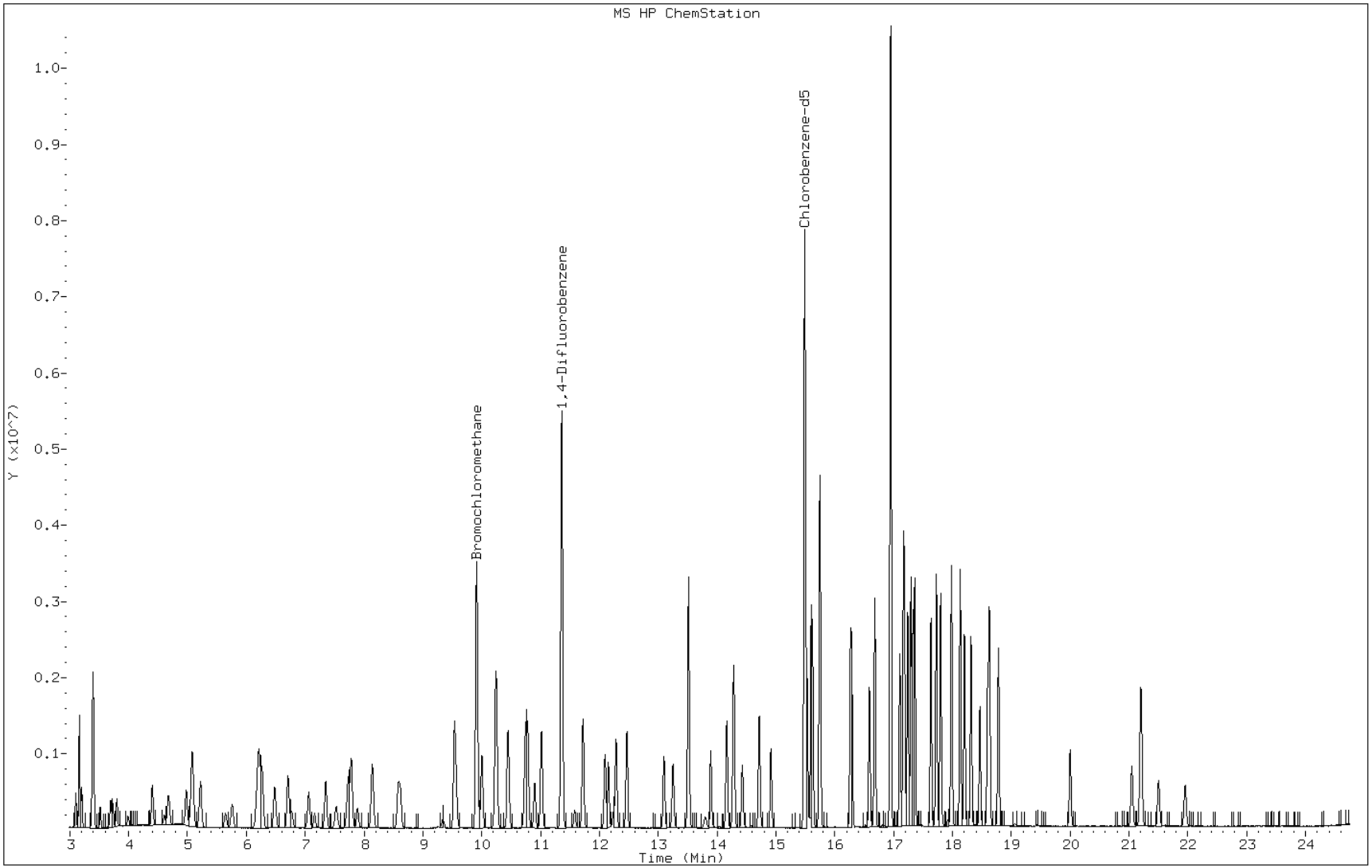
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	1278706	1.50000	1.4(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1215449	1.50000	1.4(A)
7 Vinyl chloride	62	3.736	3.730	(0.377)	291795	1.50000	1.4(A)
8 1,3-Butadiene	54	3.800	3.795	(0.383)	180646	1.50000	1.4(A)
9 Bromomethane	94	4.399	4.399	(0.444)	382619	1.50000	1.3(A)
10 Chloroethane	64	4.608	4.602	(0.465)	132884	1.50000	1.2(A)
12 Vinyl bromide	106	4.982	4.982	(0.503)	438087	1.50000	1.4(A)
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	1401813	1.50000	1.4(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	915476	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	433619	1.50000	1.2(A)
22 Allyl chloride	41	7.063	7.063	(0.713)	437931	1.50000	1.2(A)
25 Methylene chloride	49	7.352	7.352	(0.742)	455314	1.50000	1.3
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	645545	1.50000	1.4(A)
28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	1197626	1.50000	1.4(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.139	(0.822)	639265	1.50000	1.1(A)
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	788022	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1107839	3.00000	2.6
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	462294	1.50000	1.3(A)
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1121714	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	954922	1.50000	1.3(A)
	40 Cyclohexane	84	10.241	10.252	(0.902)	639006	1.50000	1.2(A)
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	1034587	1.50000	1.4(A)
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	1083715	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	2010553	1.50000	1.3(A)
	44 Benzene	78	10.787	10.787	(0.950)	1316571	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	591626	1.50000	1.4(A)
	46 n-Heptane	43	11.017	11.011	(0.970)	680734	1.50000	0.78
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5680969	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	605742	1.50000	1.2(A)
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	483142	1.50000	1.4(AQ)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	1018453	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	685903	1.50000	1.3(A)
	58 Toluene	92	13.515	13.515	(0.873)	954668	1.50000	1.2(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	695694	1.50000	1.4(A)
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	480604	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	810775	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	983536	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	851315	1.50000	1.4(A)
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5355221	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	2092219	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	1655049	3.00000	2.9(A)
M	70 Xylene, Total	106				2452909	4.50000	4.3
	71 Xylene (o)	106	16.265	16.259	(1.050)	797860	1.50000	1.4(A)
	73 Bromoform	173	16.586	16.586	(1.071)	941188	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	1255931	1.50000	1.4(A)
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	2308031	1.50000	1.6(A)
	81 1,3,5-Trimethylbenzene	105	17.362	17.361	(1.121)	1904645	1.50000	1.5(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File:	efy012.d	Date:	28-AUG-2013 20:27
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 531973		
Lab Sample ID:	ic 531973		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyto15.b/efy013.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 21:22
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 200,1,level 10
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/to15ll3t.m
Meth Date : 02-Sep-2013 11:47 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 5 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	1742946	2.00000	1.8(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1630804	2.00000	1.9(A)
7 Vinyl chloride	62	3.736	3.730	(0.377)	389933	2.00000	1.8(A)
8 1,3-Butadiene	54	3.800	3.795	(0.383)	239494	2.00000	1.8(A)
9 Bromomethane	94	4.404	4.399	(0.444)	521219	2.00000	1.7(A)
10 Chloroethane	64	4.608	4.602	(0.465)	181308	2.00000	1.6(A)
12 Vinyl bromide	106	4.982	4.982	(0.502)	583468	2.00000	1.8(A)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	1886236	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	1271046	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	600210	2.00000	1.7(A)
22 Allyl chloride	41	7.063	7.063	(0.712)	606718	2.00000	1.7(A)
25 Methylene chloride	49	7.347	7.352	(0.741)	629322	2.00000	1.8
27 1,2-Dichloroethene (trans)	61	7.785	7.786	(0.785)	872745	2.00000	1.8(A)
28 Methyl tert-butyl ether	73	7.737	7.743	(0.780)	1653100	2.00000	1.8(A)

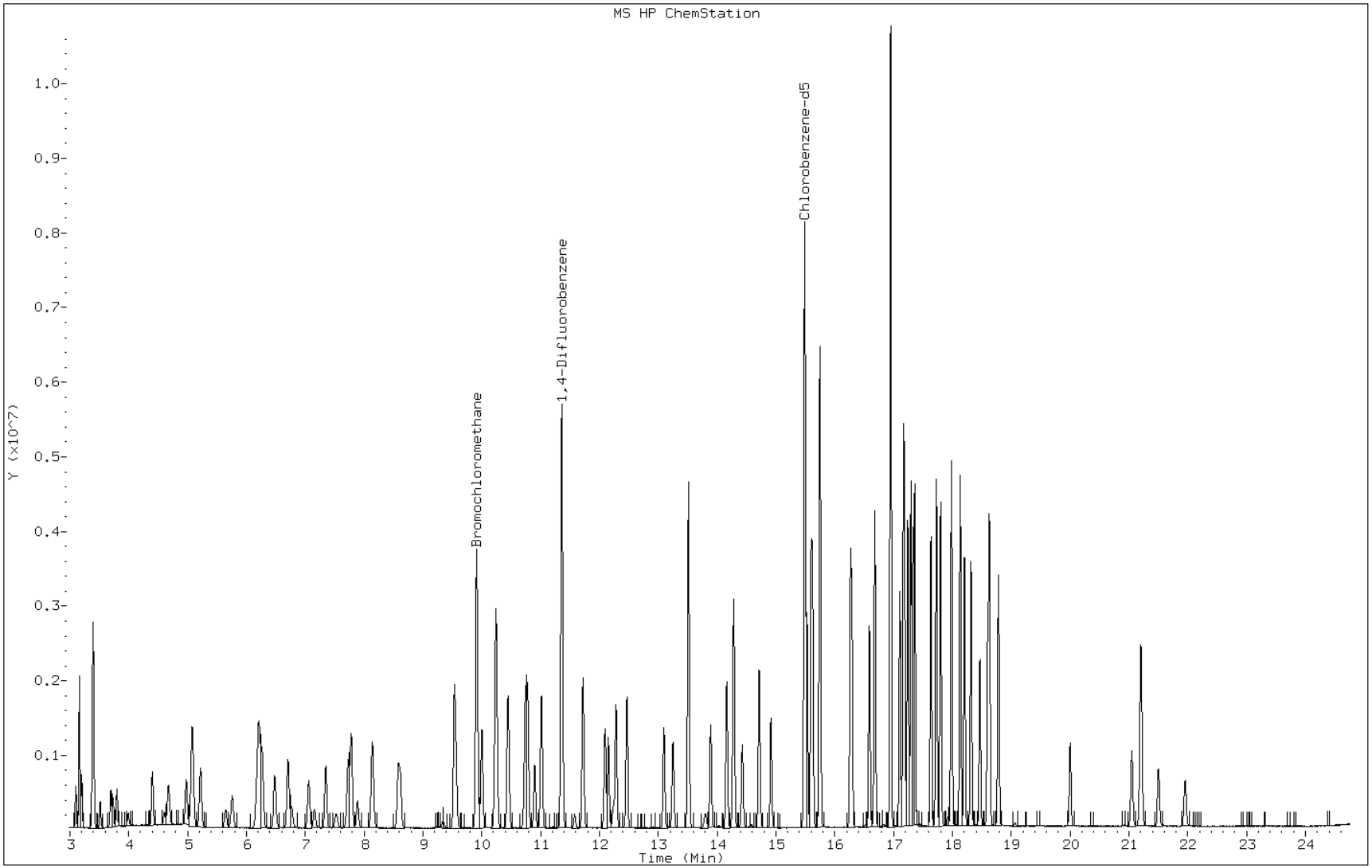
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.138	8.139	(0.821)	887285	2.00000	1.6(A)
	31 1,1-Dichloroethane	63	8.582	8.577	(0.866)	1095591	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1518806	4.00000	3.6
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	646061	2.00000	1.7(A)
*	36 Bromochloromethane	128	9.915	9.909	(1.000)	1144224	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	1325847	2.00000	1.8(A)
	40 Cyclohexane	84	10.241	10.252	(0.902)	887394	2.00000	1.7(A)
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	1446975	2.00000	1.9(A)
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	1496725	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	2778006	2.00000	1.7(A)
	44 Benzene	78	10.787	10.787	(0.950)	1838979	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	833133	2.00000	1.9(A)
	46 n-Heptane	43	11.011	11.011	(0.969)	939614	2.00000	1.1(A)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5791869	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	844002	2.00000	1.7(A)
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	659006	2.00000	1.8(AQ)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	1433976	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	974923	2.00000	1.9(A)
	58 Toluene	92	13.515	13.515	(0.873)	1371946	2.00000	1.7(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	979481	2.00000	2.0(A)
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	679666	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	1164007	2.00000	1.9(A)
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	1420990	2.00000	2.1(A)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	1209754	2.00000	2.0(A)
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5513824	2.00000	
	67 Ethylbenzene	91	15.596	15.596	(1.007)	2945434	2.00000	1.9(A)
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	2347603	4.00000	4.0(A)
M	70 Xylene, Total	106				3474928	6.00000	6.0
	71 Xylene (o)	106	16.265	16.259	(1.050)	1127325	2.00000	2.0(A)
	73 Bromoform	173	16.586	16.586	(1.071)	1375983	2.00000	2.4(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	1756555	2.00000	1.9(A)
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	3277513	2.00000	2.2(A)
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	2686890	2.00000	2.1(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: efy013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531973
Lab Sample ID: ic 531973

Date: 28-AUG-2013 21:22
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60768

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23187

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60768/4	efy004.d
Level 2	IC 200-60768/5	efy005.d
Level 3	IC 200-60768/6	efy006.d
Level 4	IC 200-60768/7	efy007.d
Level 5	ICIS 200-60768/8	efy008.d
Level 6	IC 200-60768/9	efy009.d
Level 7	IC 200-60768/10	efy010.d
Level 8	IC 200-60768/11	efy011.d
Level 9	IC 200-60768/12	efy012.d
Level 10	IC 200-60768/13	efy013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2,4-Trimethylbenzene	0	0	0 0	0 0	0 0	Ave								30.0			
Chloromethane	0	0	0	0 0	0 0	Ave								30.0			
1,1-Dichloroethene	0.7933					Ave		0.6162				23.8		30.0			
trans-1,2-Dichloroethene	0.8105					Ave		0.8309				16.4		30.0			
cis-1,2-Dichloroethene			0.8329			Ave		0.6505				24.8		30.0			
Trichloroethene	0.2318					Ave		0.1695				24.5		30.0			
Tetrachloroethene		0.2632				Ave		0.2206				18.4		30.0			
Chlorobenzene	0.3125	0.2831	0.4765 0.2951	0.2685 0.3142	0.2966 0.3228	Ave		0.3212				20.3		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.: 200-17995-1 Analy Batch No.: 60768

SDG No.: 200-17995

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/28/2013 12:59 Calibration End Date: 08/28/2013 21:22 Calibration ID: 23187

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60768/4	efy004.d
Level 2	IC 200-60768/5	efy005.d
Level 3	IC 200-60768/6	efy006.d
Level 4	IC 200-60768/7	efy007.d
Level 5	ICIS 200-60768/8	efy008.d
Level 6	IC 200-60768/9	efy009.d
Level 7	IC 200-60768/10	efy010.d
Level 8	IC 200-60768/11	efy011.d
Level 9	IC 200-60768/12	efy012.d
Level 10	IC 200-60768/13	efy013.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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,2,4-Trimethylbenzene	CBZ	Ave	0	0	0 0	0 0	0 0	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00
Chloromethane	BCM	Ave	0	0	0	0 0	0 0	0.500	0.750	1.00	0.100 1.50	0.200 2.00
1,1-Dichloroethene	BCM	Ave	5088					0.0100				
trans-1,2-Dichloroethene	BCM	Ave	5198					0.0100				
cis-1,2-Dichloroethene	BCM	Ave			17428					0.0400		
Trichloroethene	DFB	Ave	7547					0.0100				
Tetrachloroethene	CBZ	Ave		14883					0.0200			
Chlorobenzene	CBZ	Ave	356582	493845	46734 695371	65924 1262005	135078 1780002	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy004.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 12:59
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:15 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 12:59 Cal File: efy004.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

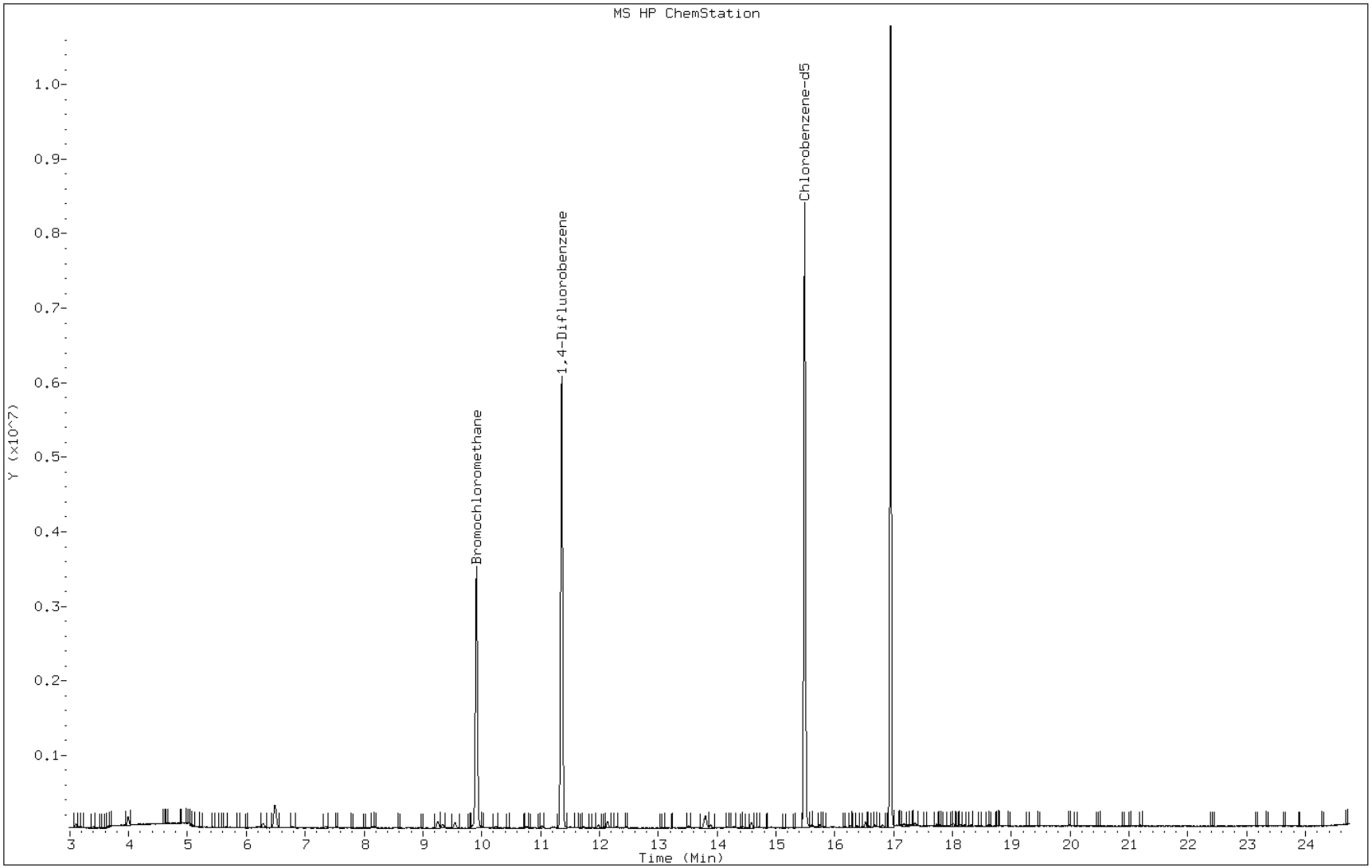
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	12838	0.01000	0.012
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	11156	0.01000	0.012
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.731	3.730	(0.376)	3341	0.01000	0.014(a)
8 1,3-Butadiene	54	3.795	3.795	(0.383)	3580	0.01000	0.024
9 Bromomethane	94	4.405	4.399	(0.444)	4184	0.01000	0.012(aM)
10 Chloroethane	64	4.597	4.602	(0.464)	1493	0.01000	0.012(aQM)
12 Vinyl bromide	106	4.993	4.982	(0.504)	3657	0.01000	0.0100(aQM)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	12160	0.01000	0.011
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	9895	0.01000	0.013(a)
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	5088	0.01000	0.013(M)
22 Allyl chloride	41	7.063	7.063	(0.713)	5688	0.01000	0.014(aM)
25 Methylene chloride	49	7.342	7.352	(0.741)	16043	0.01000	0.042(a)
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	5198	0.01000	0.0098(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	10760	0.01000	0.011
	30 n-Hexane	57	8.144	8.139	(0.822)	8383	0.01000	0.013(a)
	31 1,1-Dichloroethane	63	8.593	8.577	(0.867)	8732	0.01000	0.012
M	33 1,2-Dichloroethene, Total	61				10427	0.02000	0.022
	34 1,2-Dichloroethene (cis)	96	9.524	9.540	(0.961)	5229	0.01000	0.012
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1282694	2.00000	
	39 Chloroform	83	9.995	10.000	(1.009)	9618	0.01000	0.012
	40 Cyclohexane	84	10.252	10.252	(0.902)	7393	0.01000	0.012
	41 1,1,1-Trichloroethane	97	10.252	10.246	(0.902)	10215	0.01000	0.012
	42 Carbon tetrachloride	117	10.455	10.444	(0.920)	9795	0.01000	0.011
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	20913	0.01000	0.012
	44 Benzene	78	10.792	10.787	(0.950)	14827	0.01000	0.012
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	5150	0.01000	0.010(aM)
	46 n-Heptane	43	11.017	11.011	(0.970)	14675	0.01000	0.015
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	6511464	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	7547	0.01000	0.014
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	6010	0.01000	0.015(a)
	54 Bromodichloromethane	83	12.472	12.467	(1.098)	10403	0.01000	0.012
	55 1,3-Dichloropropene (cis)	75	13.093	13.098	(1.153)	6680	0.01000	0.011
	58 Toluene	92	13.510	13.515	(0.872)	11312	0.01000	0.013
	59 1,3-Dichloropropene (trans)	75	13.900	13.895	(1.224)	6010	0.01000	0.011
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	4182	0.01000	0.010(Q)
	61 Tetrachloroethene	166	14.275	14.285	(0.922)	7701	0.01000	0.012
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	7998	0.01000	0.011(Q)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	7226	0.01000	0.011
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	6023191	2.00000	
	66 Chlorobenzene	112	15.532	15.585	(1.003)	11908	0.01000	0.012(aQM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	17727	0.01000	0.010
	69 Xylene (m,p)	106	15.741	15.751	(1.016)	12991	0.02000	0.020
M	70 Xylene, Total	106				19984	0.03000	0.031
	71 Xylene (o)	106	16.265	16.259	(1.050)	6993	0.01000	0.011(Q)
	73 Bromoform	173	16.591	16.586	(1.071)	7108	0.01000	0.011(M)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	10083	0.01000	0.010
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	15080	0.01000	0.0092(a)
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	14967	0.01000	0.011(a)
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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:	efy004.d	Date:	28-AUG-2013 12:59
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 536030		
Lab Sample ID:	ic 536030		



Manual Integration Report

Data File: efy004.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 12:59
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 09/06/2013

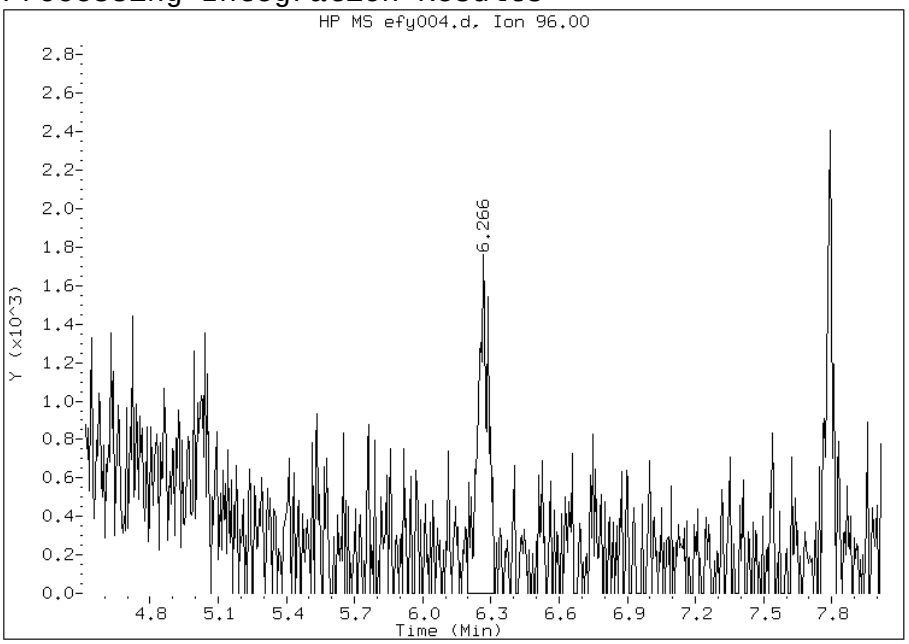
Processing Integration Results

RT: 6.27

Response: 5658

Amount: 0.014027

Conc: 0.014027



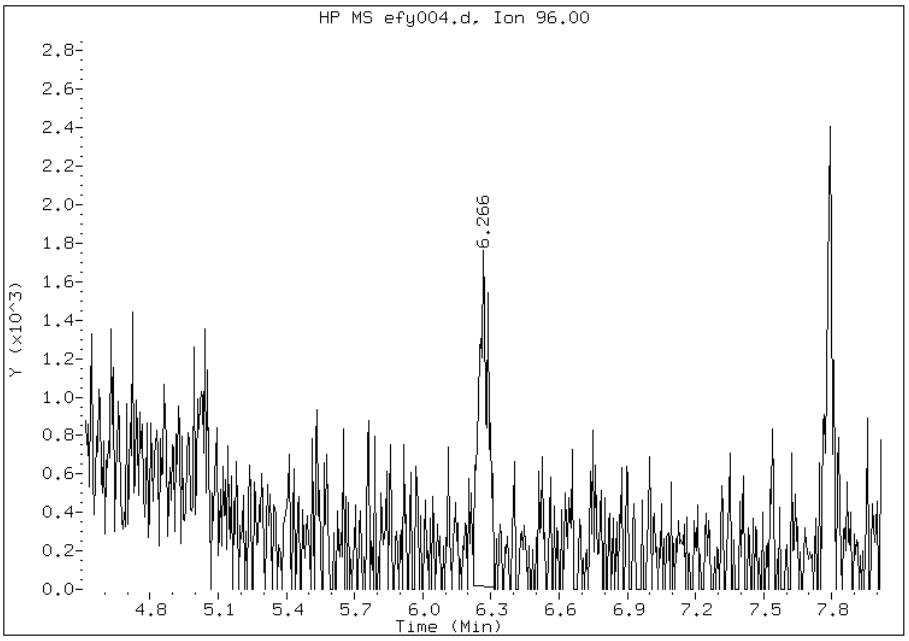
Manual Integration Results

RT: 6.27

Response: 5088

Amount: 0.012874

Conc: 0.012874



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy005.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 13:55
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:15 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 13:55 Cal File: efy005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

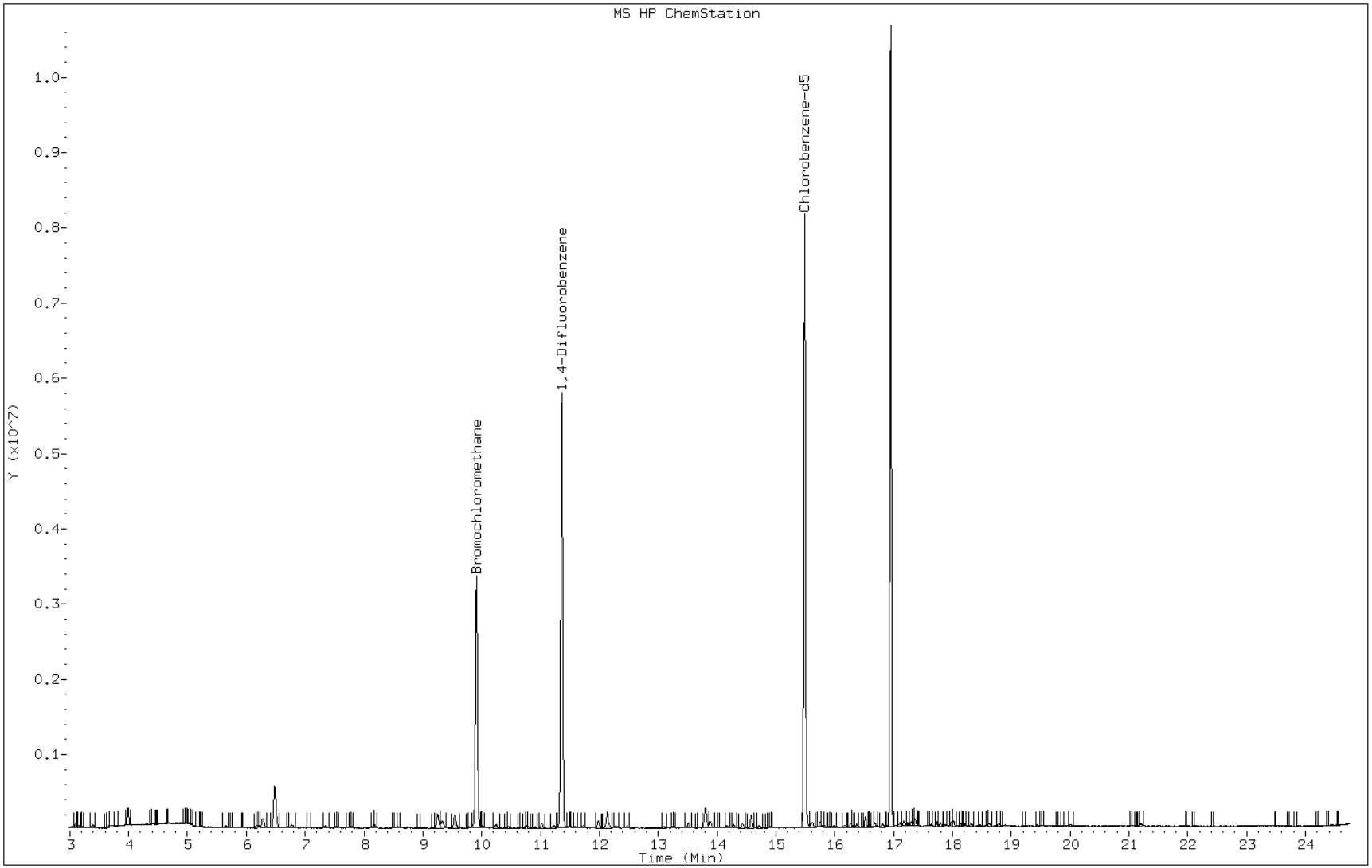
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	22535	0.02000	0.022
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	19569	0.02000	0.022
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.736	3.730	(0.377)	5296	0.02000	0.024
8 1,3-Butadiene	54	3.795	3.795	(0.383)	2871	0.02000	0.020
9 Bromomethane	94	4.394	4.399	(0.443)	9007	0.02000	0.028
10 Chloroethane	64	4.613	4.602	(0.466)	3454	0.02000	0.029(M)
12 Vinyl bromide	106	4.982	4.982	(0.503)	8936	0.02000	0.026(QM)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	23594	0.02000	0.022
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	16318	0.02000	0.024(aQ)
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	8939	0.02000	0.024
22 Allyl chloride	41	7.053	7.063	(0.712)	11240	0.02000	0.029
25 Methylene chloride	49	7.352	7.352	(0.742)	23584	0.02000	0.066(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.786	(0.786)	11806	0.02000	0.024

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	23279	0.02000	0.024(M)
	30 n-Hexane	57	8.144	8.139	(0.822)	16817	0.02000	0.028
	31 1,1-Dichloroethane	63	8.572	8.577	(0.865)	15414	0.02000	0.024
M	33 1,2-Dichloroethene, Total	61				21592	0.04000	0.048
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	9786	0.02000	0.025
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1206263	2.00000	
	39 Chloroform	83	9.995	10.000	(1.009)	18069	0.02000	0.023
	40 Cyclohexane	84	10.246	10.252	(0.902)	13856	0.02000	0.025
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	18455	0.02000	0.023
	42 Carbon tetrachloride	117	10.455	10.444	(0.920)	20088	0.02000	0.024
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	37760	0.02000	0.022
	44 Benzene	78	10.787	10.787	(0.950)	27675	0.02000	0.025
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	11010	0.02000	0.023
	46 n-Heptane	43	11.017	11.011	(0.970)	31549	0.02000	0.034
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	6137650	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	12589	0.02000	0.024
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	9175	0.02000	0.024(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	17517	0.02000	0.022
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	12681	0.02000	0.023
	58 Toluene	92	13.526	13.515	(0.873)	18631	0.02000	0.023
	59 1,3-Dichloropropene (trans)	75	13.906	13.895	(1.224)	12988	0.02000	0.025
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	9944	0.02000	0.026
	61 Tetrachloroethene	166	14.291	14.285	(0.923)	14883	0.02000	0.024
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	16727	0.02000	0.024
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	15005	0.02000	0.024
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5655294	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	22918	0.02000	0.025(aQM)
	67 Ethylbenzene	91	15.601	15.596	(1.007)	40698	0.02000	0.026
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	30350	0.04000	0.051
M	70 Xylene, Total	106				43734	0.06000	0.073
	71 Xylene (o)	106	16.265	16.259	(1.050)	13384	0.02000	0.023
	73 Bromoform	173	16.586	16.586	(1.071)	14207	0.02000	0.024
	75 1,1,2,2-Tetrachloroethane	83	17.115	17.105	(1.105)	23666	0.02000	0.025
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	34196	0.02000	0.022
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	32420	0.02000	0.024
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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:	efy005.d	Date:	28-AUG-2013 13:55
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 536030		
Lab Sample ID:	ic 536030		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy006.d
Lab Smp Id: ic 536030
Inj Date : 28-AUG-2013 14:52
Operator : wrd Inst ID: E.i
Smp Info : ic 536030
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:15 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 14:52 Cal File: efy006.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	39753	0.04000	0.046
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	37148	0.04000	0.047
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.736	3.730	(0.377)	9845	0.04000	0.051
8 1,3-Butadiene	54	3.800	3.795	(0.383)	5833	0.04000	0.048
9 Bromomethane	94	4.399	4.399	(0.444)	14737	0.04000	0.053(Q)
10 Chloroethane	64	4.602	4.602	(0.464)	5958	0.04000	0.057
12 Vinyl bromide	106	4.982	4.982	(0.503)	16333	0.04000	0.054
13 Trichlorofluoromethane	101	5.073	5.079	(0.512)	47478	0.04000	0.051
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	32662	0.04000	0.054
19 1,1-Dichloroethene	96	6.277	6.266	(0.633)	16227	0.04000	0.050
22 Allyl chloride	41	7.058	7.063	(0.712)	16630	0.04000	0.050(M)
25 Methylene chloride	49	7.347	7.352	(0.741)	34132	0.04000	0.11
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	22141	0.04000	0.051

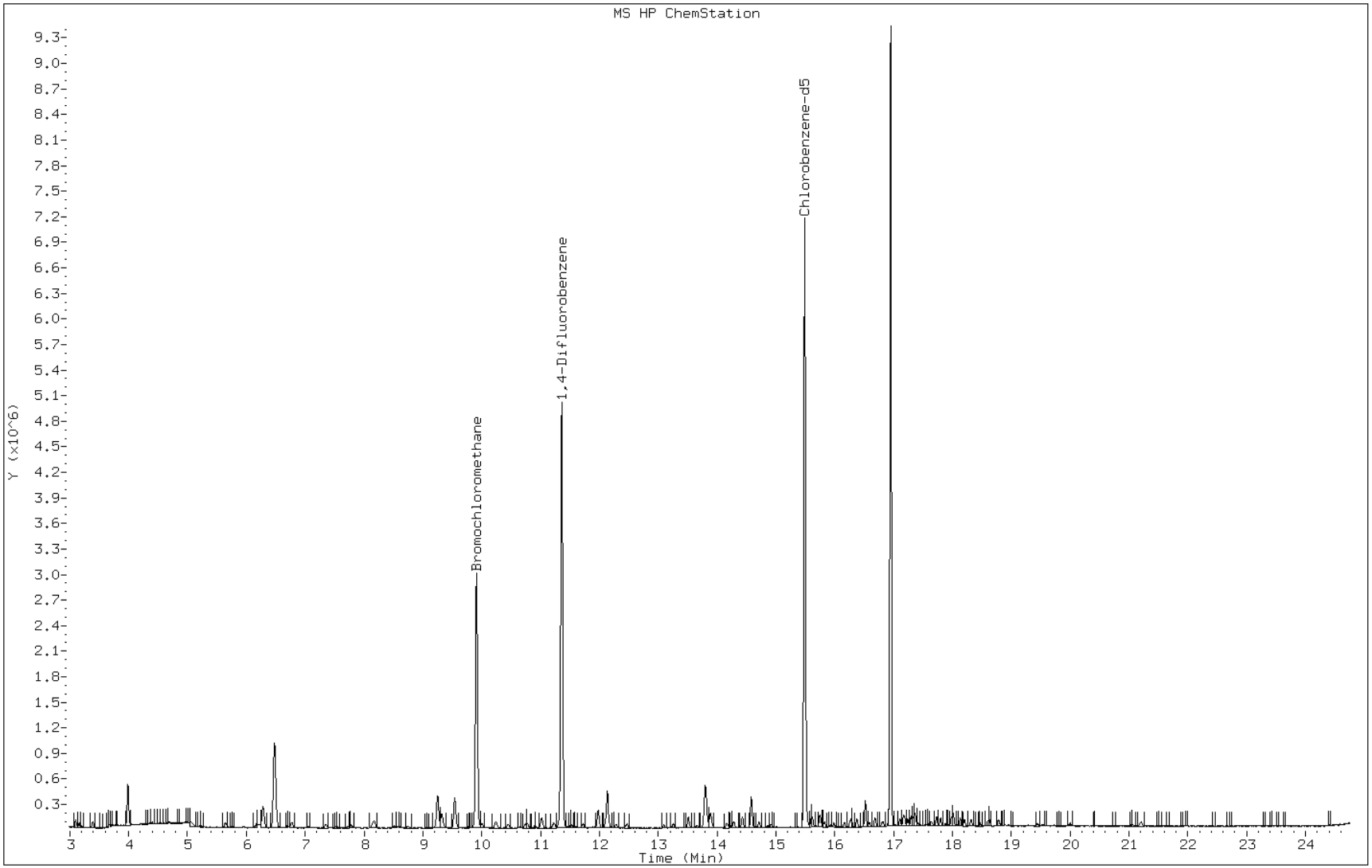
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.743	(0.782)	42414	0.04000	0.052
	30 n-Hexane	57	8.133	8.139	(0.821)	30815	0.04000	0.059
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	30656	0.04000	0.054
M	33 1,2-Dichloroethene, Total	61				39569	0.08000	0.10
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	17428	0.04000	0.051
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1046190	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	33408	0.04000	0.050
	40 Cyclohexane	84	10.252	10.252	(0.902)	24383	0.04000	0.051
	41 1,1,1-Trichloroethane	97	10.252	10.246	(0.902)	33277	0.04000	0.048
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	36630	0.04000	0.052
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	75495	0.04000	0.053
	44 Benzene	78	10.787	10.787	(0.950)	47903	0.04000	0.050
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	19403	0.04000	0.049
	46 n-Heptane	43	11.027	11.011	(0.971)	55881	0.04000	0.070
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5205847	2.00000	
	49 Trichloroethene	95	11.712	11.723	(1.031)	20871	0.04000	0.047
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	17274	0.04000	0.054(Q)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	33414	0.04000	0.050
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	25820	0.04000	0.055
	58 Toluene	92	13.515	13.515	(0.873)	35963	0.04000	0.051
	59 1,3-Dichloropropene (trans)	75	13.890	13.895	(1.223)	23405	0.04000	0.053
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	17512	0.04000	0.052
	61 Tetrachloroethene	166	14.280	14.285	(0.922)	26565	0.04000	0.049
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	31147	0.04000	0.051
	64 1,2-Dibromoethane	107	14.911	14.917	(0.963)	28711	0.04000	0.052
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4904238	2.00000	
	66 Chlorobenzene	112	15.532	15.585	(1.003)	46734	0.04000	0.059(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	70177	0.04000	0.051
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	52662	0.08000	0.10
M	70 Xylene, Total	106				78533	0.12000	0.15
	71 Xylene (o)	106	16.270	16.259	(1.050)	25871	0.04000	0.050
	73 Bromoform	173	16.591	16.586	(1.071)	26310	0.04000	0.051
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	43692	0.04000	0.054
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	71865	0.04000	0.054
	81 1,3,5-Trimethylbenzene	105	17.362	17.361	(1.121)	59724	0.04000	0.052
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efy006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 536030
Lab Sample ID: ic 536030

Date: 28-AUG-2013 14:52
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



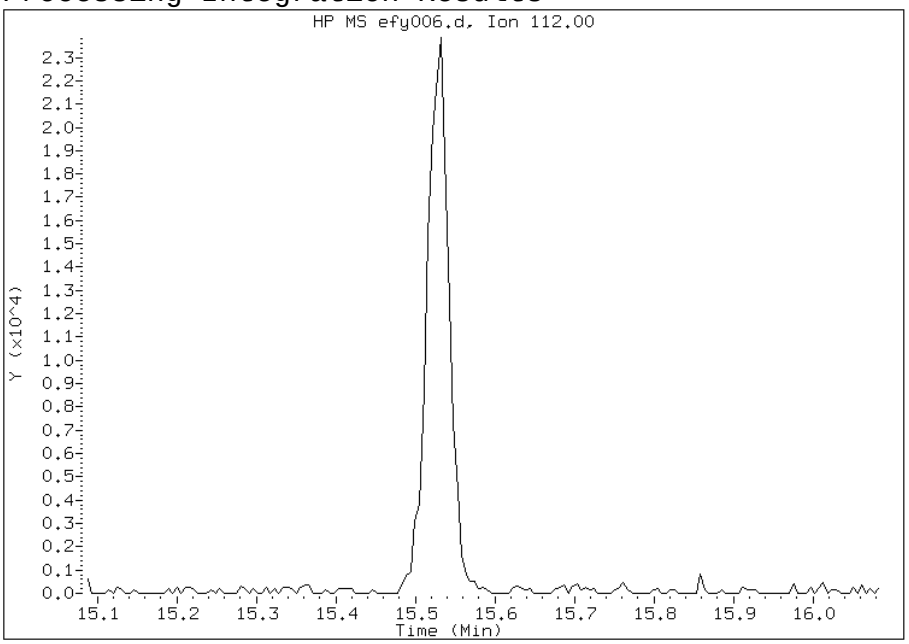
Manual Integration Report

Data File: efy006.d
Lab Sample ID: ic 536030
Inj. Date and Time: 28-AUG-2013 14:52
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



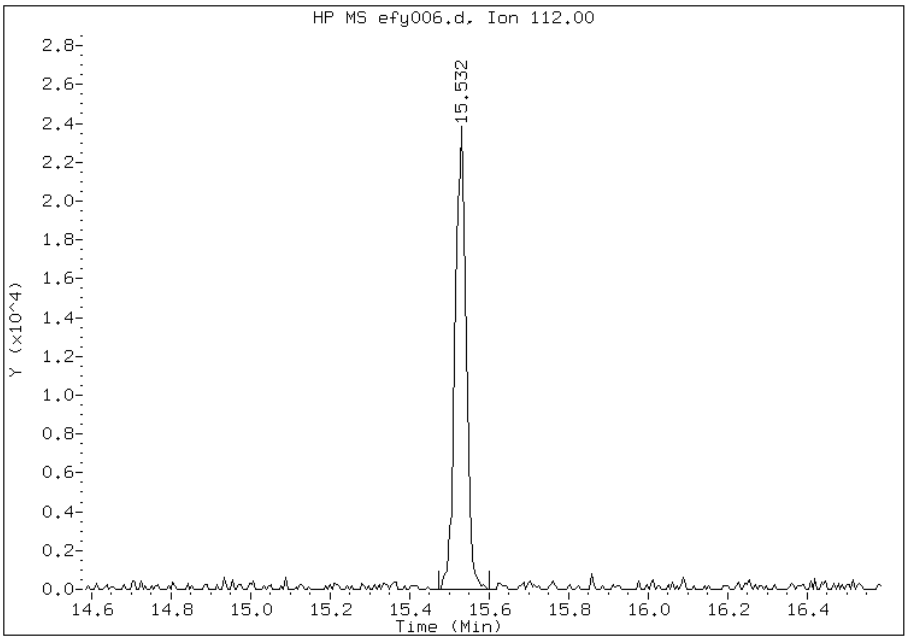
Manual Integration Results

RT: 15.53

Response: 46734

Amount: 0.059343

Conc: 0.059343



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy007.d
Lab Smp Id: ic 532191
Inj Date : 28-AUG-2013 15:48
Operator : wrd Inst ID: E.i
Smp Info : ic 532191
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:15 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 15:48 Cal File: efy007.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	71121	0.10000	0.080
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	63300	0.10000	0.078
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	15711	0.10000	0.079
8 1,3-Butadiene	54	3.795	3.795	(0.383)	11804	0.10000	0.094
9 Bromomethane	94	4.399	4.399	(0.444)	21126	0.10000	0.074
10 Chloroethane	64	4.613	4.602	(0.466)	7659	0.10000	0.071(Q)
12 Vinyl bromide	106	4.971	4.982	(0.502)	22563	0.10000	0.073
13 Trichlorofluoromethane	101	5.073	5.079	(0.512)	81561	0.10000	0.085
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	52808	0.10000	0.086
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	24654	0.10000	0.074
22 Allyl chloride	41	7.052	7.063	(0.712)	25364	0.10000	0.074
25 Methylene chloride	49	7.357	7.352	(0.742)	34358	0.10000	0.11
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	36922	0.10000	0.082

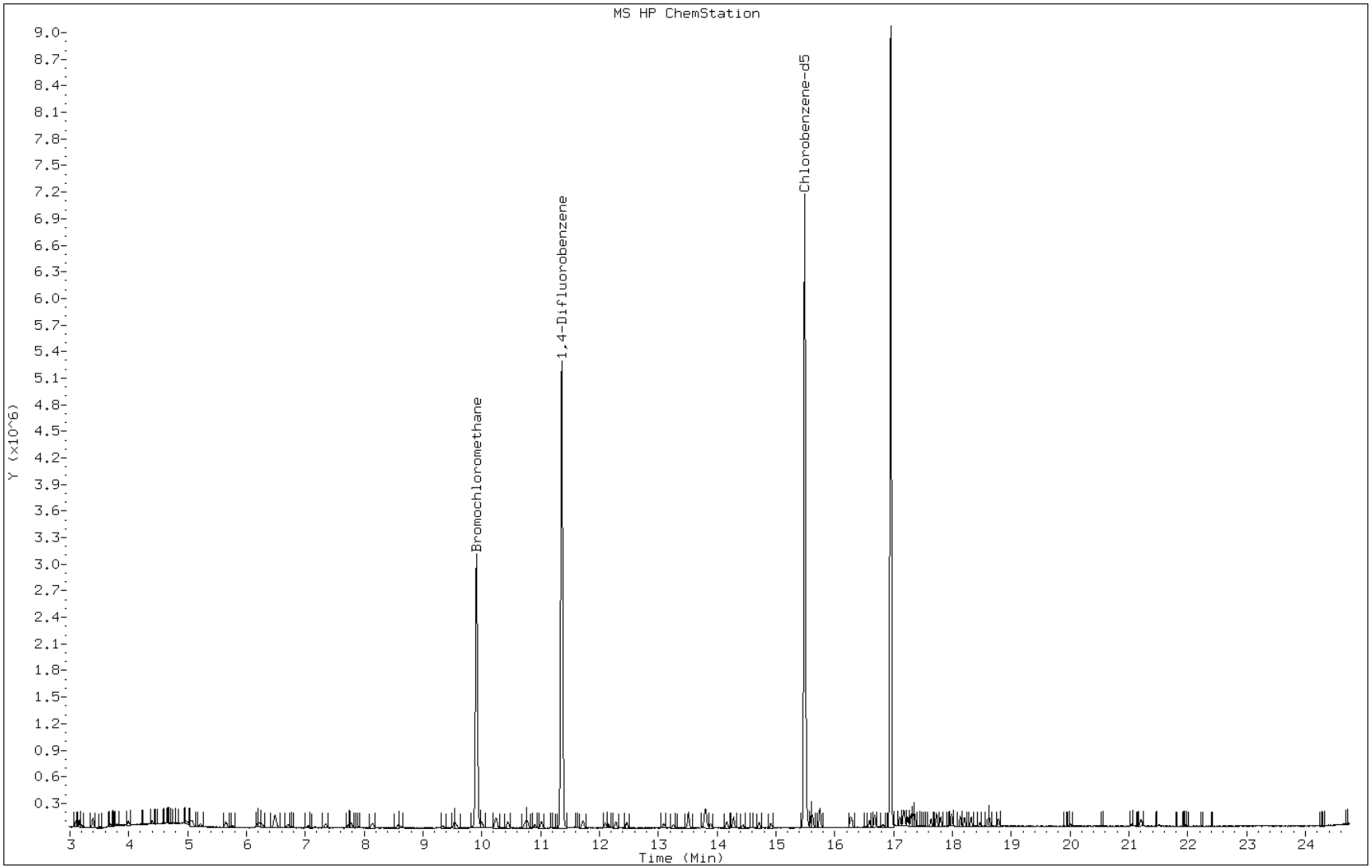
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	64811	0.10000	0.077
	30 n-Hexane	57	8.133	8.139	(0.821)	41061	0.10000	0.077
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	42683	0.10000	0.073
M	33 1,2-Dichloroethene, Total	61				62160	0.20000	0.15
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	25238	0.10000	0.072
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1077950	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	54309	0.10000	0.079
	40 Cyclohexane	84	10.241	10.252	(0.902)	37979	0.10000	0.076
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	56616	0.10000	0.078
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	56050	0.10000	0.075
	43 2,2,4-Trimethylpentane	57	10.738	10.744	(0.945)	117950	0.10000	0.078
	44 Benzene	78	10.787	10.787	(0.950)	74861	0.10000	0.075
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	35881	0.10000	0.086
	46 n-Heptane	43	11.011	11.011	(0.969)	37912	0.10000	0.045
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5476956	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	35210	0.10000	0.076
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	25425	0.10000	0.075
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	52768	0.10000	0.075
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	36667	0.10000	0.074
	58 Toluene	92	13.515	13.515	(0.873)	51590	0.10000	0.073
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	32420	0.10000	0.070
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	25950	0.10000	0.078
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	43152	0.10000	0.080
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	47390	0.10000	0.078
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	43727	0.10000	0.079
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4909773	2.00000	
	66 Chlorobenzene	112	15.526	15.585	(1.002)	65924	0.10000	0.084(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	103308	0.10000	0.075
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	76831	0.20000	0.15
M	70 Xylene, Total	106				117827	0.30000	0.23
	71 Xylene (o)	106	16.265	16.259	(1.050)	40996	0.10000	0.080
	73 Bromoform	173	16.591	16.586	(1.071)	34300	0.10000	0.066
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	59035	0.10000	0.072
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	99680	0.10000	0.075
	81 1,3,5-Trimethylbenzene	105	17.367	17.361	(1.121)	75109	0.10000	0.066
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efy007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 532191
Lab Sample ID: ic 532191

Date: 28-AUG-2013 15:48
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



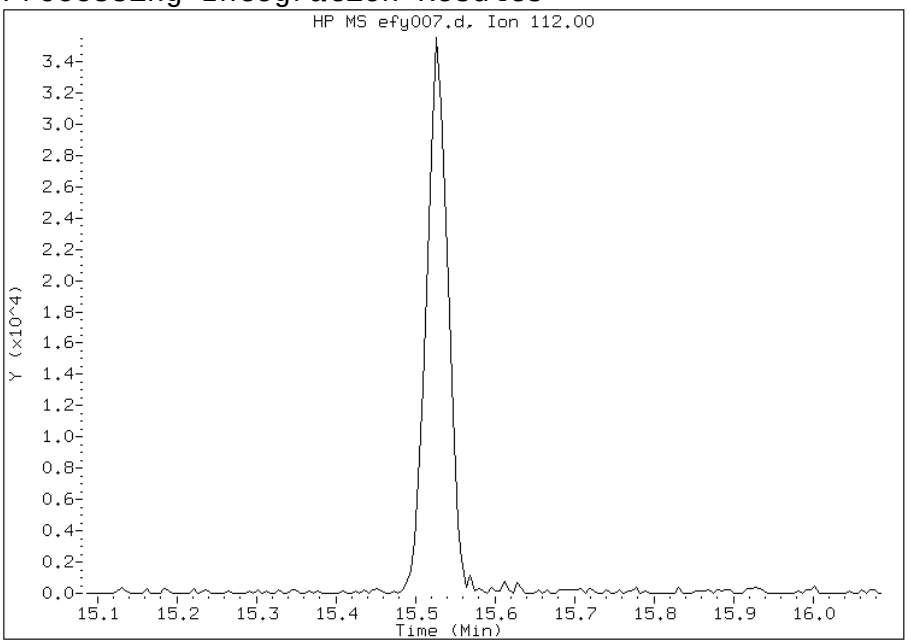
Manual Integration Report

Data File: efy007.d
Lab Sample ID: ic 532191
Inj. Date and Time: 28-AUG-2013 15:48
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



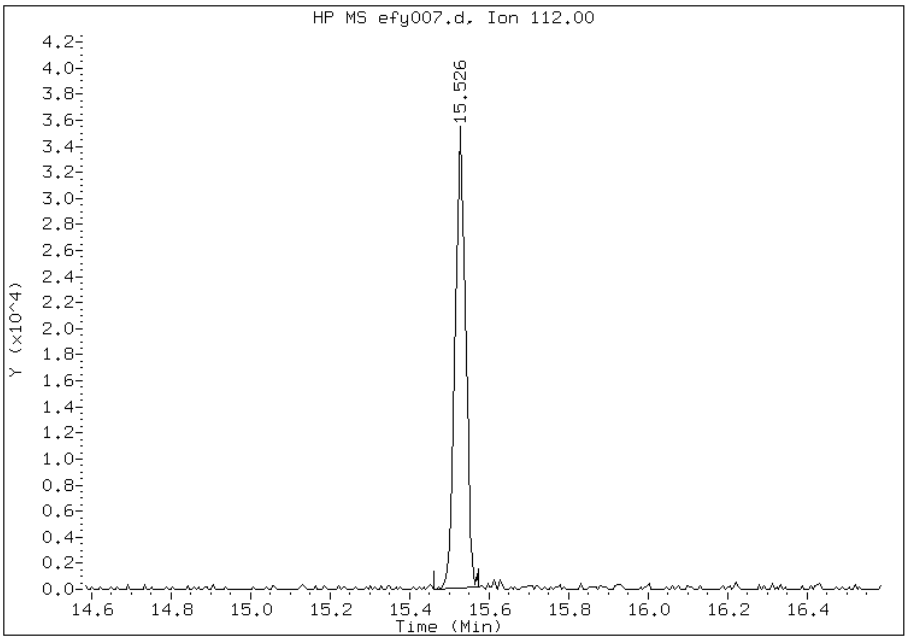
Manual Integration Results

RT: 15.53

Response: 65924

Amount: 0.083616

Conc: 0.083616



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy008.d
Lab Smp Id: icis 532191
Inj Date : 28-AUG-2013 16:44
Operator : wrd Inst ID: E.i
Smp Info : icis 532191
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:15 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 16:44 Cal File: efy008.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

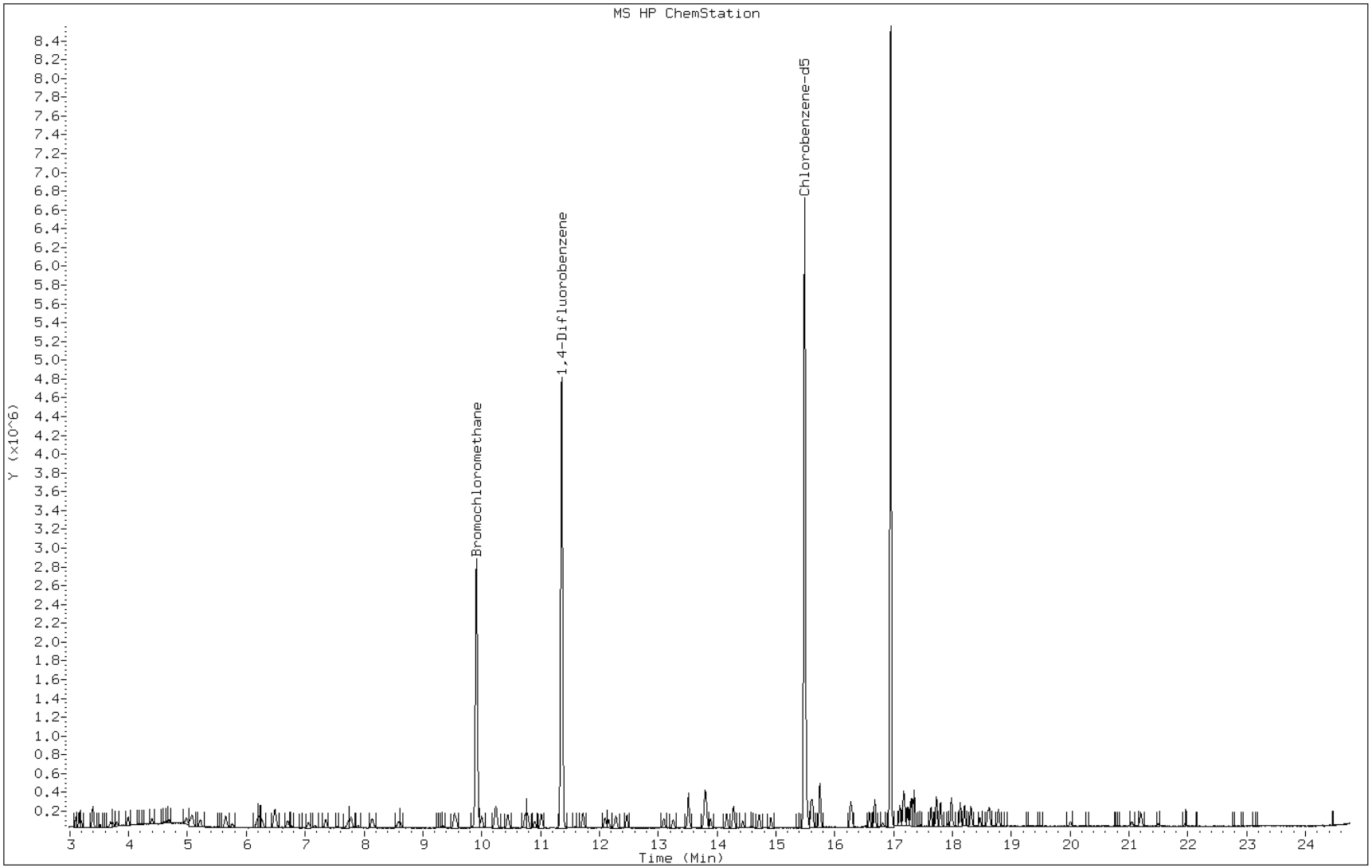
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	143754	0.20000	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	130612	0.20000	0.18
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	31750	0.20000	0.17
8 1,3-Butadiene	54	3.795	3.795	(0.383)	22140	0.20000	0.19
9 Bromomethane	94	4.399	4.399	(0.444)	43330	0.20000	0.16
10 Chloroethane	64	4.602	4.602	(0.464)	16543	0.20000	0.17
12 Vinyl bromide	106	4.982	4.982	(0.503)	47123	0.20000	0.17
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	149917	0.20000	0.17
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	101024	0.20000	0.18
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	50047	0.20000	0.16
22 Allyl chloride	41	7.063	7.063	(0.713)	52187	0.20000	0.17
25 Methylene chloride	49	7.352	7.352	(0.742)	64613	0.20000	0.22
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	71616	0.20000	0.17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	132126	0.20000	0.17
	30 n-Hexane	57	8.139	8.139	(0.821)	75691	0.20000	0.15
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	86070	0.20000	0.16
M	33 1,2-Dichloroethene, Total	61				123109	0.40000	0.34
	34 1,2-Dichloroethene (cis)	96	9.540	9.540	(0.963)	51493	0.20000	0.16
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	985733	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	107145	0.20000	0.17
	40 Cyclohexane	84	10.252	10.252	(0.902)	72676	0.20000	0.16
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	110538	0.20000	0.17
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	111020	0.20000	0.16
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	229580	0.20000	0.17
	44 Benzene	78	10.787	10.787	(0.950)	154253	0.20000	0.17
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	68720	0.20000	0.18
	46 n-Heptane	43	11.011	11.011	(0.969)	83505	0.20000	0.11
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4947324	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	67867	0.20000	0.16
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	53483	0.20000	0.17
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	105626	0.20000	0.17
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	72762	0.20000	0.16
	58 Toluene	92	13.515	13.515	(0.873)	111067	0.20000	0.17
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	66956	0.20000	0.16
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	52041	0.20000	0.17
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	87024	0.20000	0.17
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	96537	0.20000	0.17
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	86015	0.20000	0.17
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4554469	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	135078	0.20000	0.18(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	216706	0.20000	0.17
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	163953	0.40000	0.34
M	70 Xylene, Total	106				244001	0.60000	0.51
	71 Xylene (o)	106	16.259	16.259	(1.050)	80048	0.20000	0.17
	73 Bromoform	173	16.586	16.586	(1.071)	76570	0.20000	0.16
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	123506	0.20000	0.16
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	215404	0.20000	0.17
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	176144	0.20000	0.16
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efy008.d	Date:	28-AUG-2013 16:44
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 532191		
Lab Sample ID:	icis 532191		



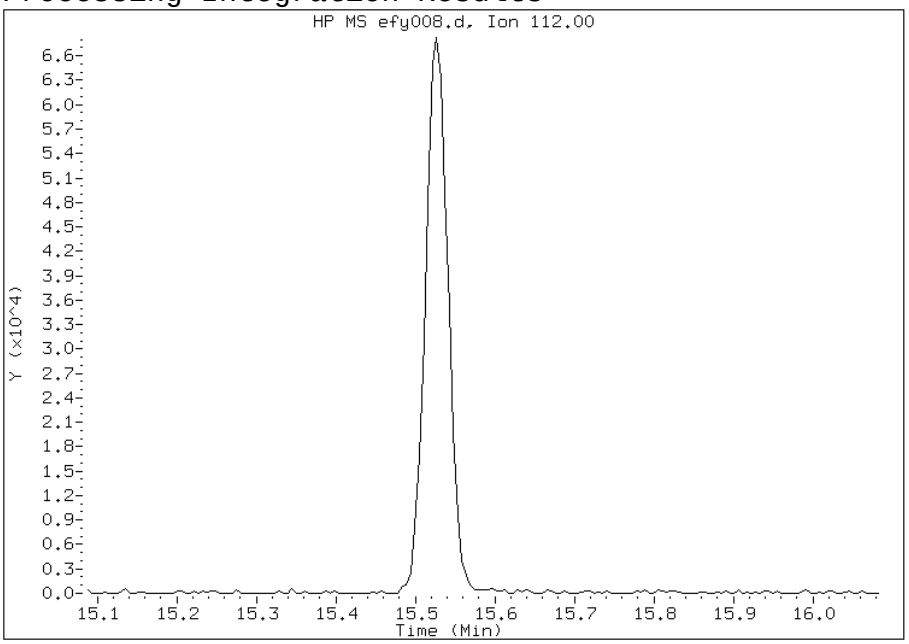
Manual Integration Report

Data File: efy008.d
Lab Sample ID: icis 532191
Inj. Date and Time: 28-AUG-2013 16:44
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



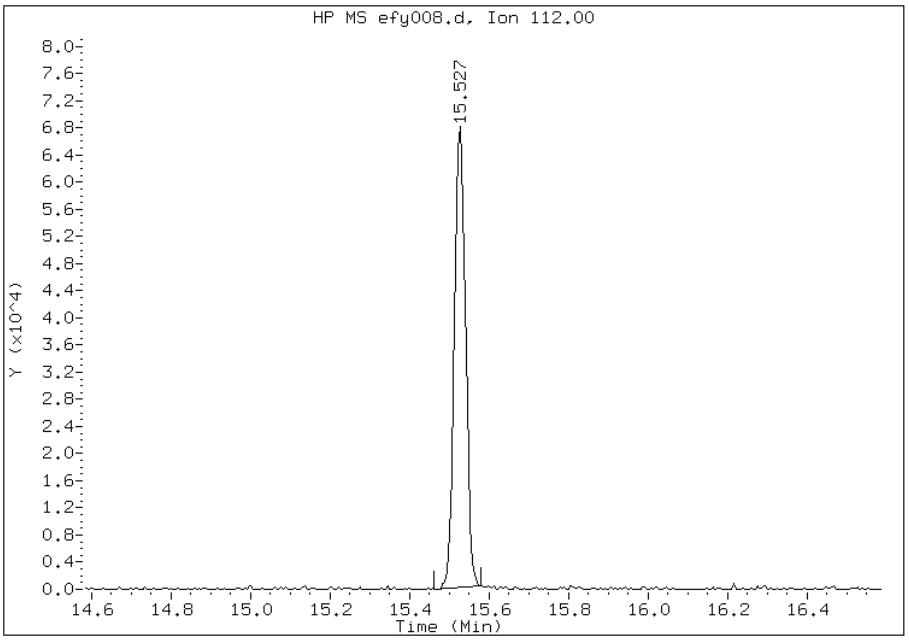
Manual Integration Results

RT: 15.53

Response: 135078

Amount: 0.184695

Conc: 0.184695



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy009.d
Lab Smp Id: ic 532191
Inj Date : 28-AUG-2013 17:40
Operator : wrd Inst ID: E.i
Smp Info : ic 532191
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 17:40 Cal File: efy009.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	354623	0.50000	0.43
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	337819	0.50000	0.45
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	82550	0.50000	0.45
8 1,3-Butadiene	54	3.800	3.795	(0.383)	52924	0.50000	0.46
9 Bromomethane	94	4.399	4.399	(0.444)	107593	0.50000	0.41
10 Chloroethane	64	4.602	4.602	(0.464)	37578	0.50000	0.38
12 Vinyl bromide	106	4.982	4.982	(0.503)	121217	0.50000	0.43
13 Trichlorofluoromethane	101	5.078	5.079	(0.512)	386172	0.50000	0.44
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	256916	0.50000	0.45
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	123200	0.50000	0.40
22 Allyl chloride	41	7.063	7.063	(0.713)	134079	0.50000	0.43
25 Methylene chloride	49	7.347	7.352	(0.741)	155255	0.50000	0.53
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	190013	0.50000	0.46

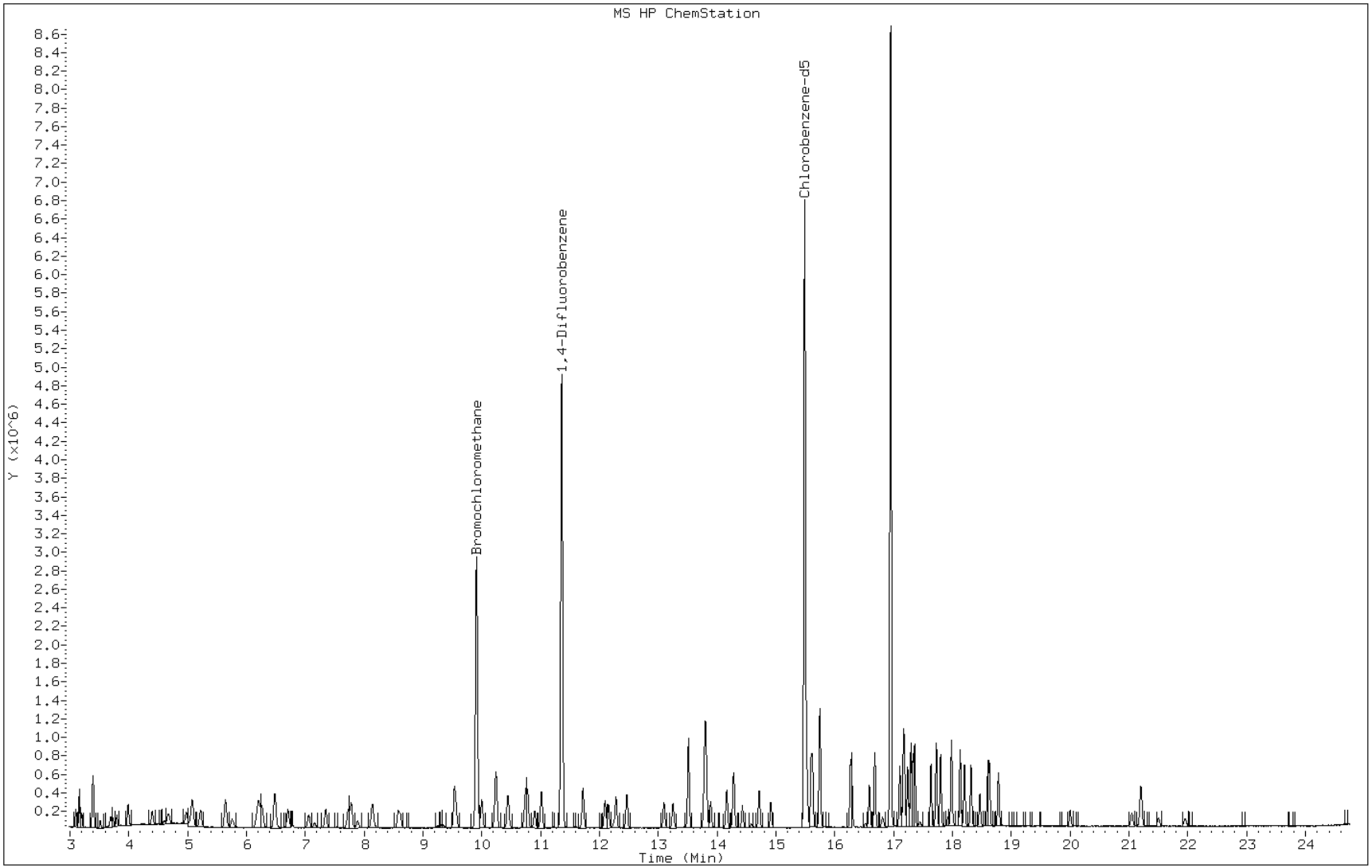
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.743	(0.781)	350231	0.50000	0.45
	30 n-Hexane	57	8.144	8.139	(0.822)	196677	0.50000	0.40
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	230817	0.50000	0.43
M	33 1,2-Dichloroethene, Total	61				329233	1.00000	0.90
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	139220	0.50000	0.43
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	987730	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	277474	0.50000	0.44
	40 Cyclohexane	84	10.246	10.252	(0.902)	182345	0.50000	0.40
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	299993	0.50000	0.46
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	295080	0.50000	0.44
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	601079	0.50000	0.44
	44 Benzene	78	10.781	10.787	(0.949)	387992	0.50000	0.43
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	181844	0.50000	0.48
	46 n-Heptane	43	11.011	11.011	(0.969)	209622	0.50000	0.28
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4958723	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	178217	0.50000	0.42
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	143886	0.50000	0.47(Q)
	54 Bromodichloromethane	83	12.461	12.467	(1.097)	292578	0.50000	0.46
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	202057	0.50000	0.45
	58 Toluene	92	13.515	13.515	(0.873)	282078	0.50000	0.43
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	193290	0.50000	0.46
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	141858	0.50000	0.46
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	224737	0.50000	0.45
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	263713	0.50000	0.46
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	236532	0.50000	0.46
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4564931	2.00000	
	66 Chlorobenzene	112	15.526	15.585	(1.002)	356582	0.50000	0.49(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	593127	0.50000	0.46
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	456506	1.00000	0.94
M	70 Xylene, Total	106				676805	1.50000	1.4
	71 Xylene (o)	106	16.265	16.259	(1.050)	220299	0.50000	0.46
	73 Bromoform	173	16.586	16.586	(1.071)	228125	0.50000	0.47
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	349593	0.50000	0.46
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	616479	0.50000	0.50
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	523415	0.50000	0.49
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efy009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 532191
Lab Sample ID: ic 532191

Date: 28-AUG-2013 17:40
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



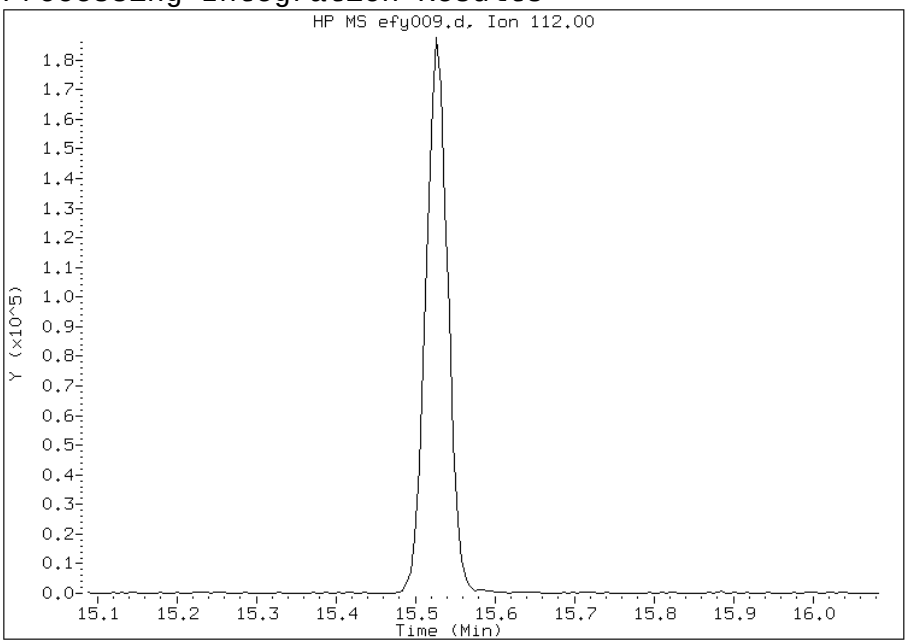
Manual Integration Report

Data File: efy009.d
Lab Sample ID: ic 532191
Inj. Date and Time: 28-AUG-2013 17:40
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



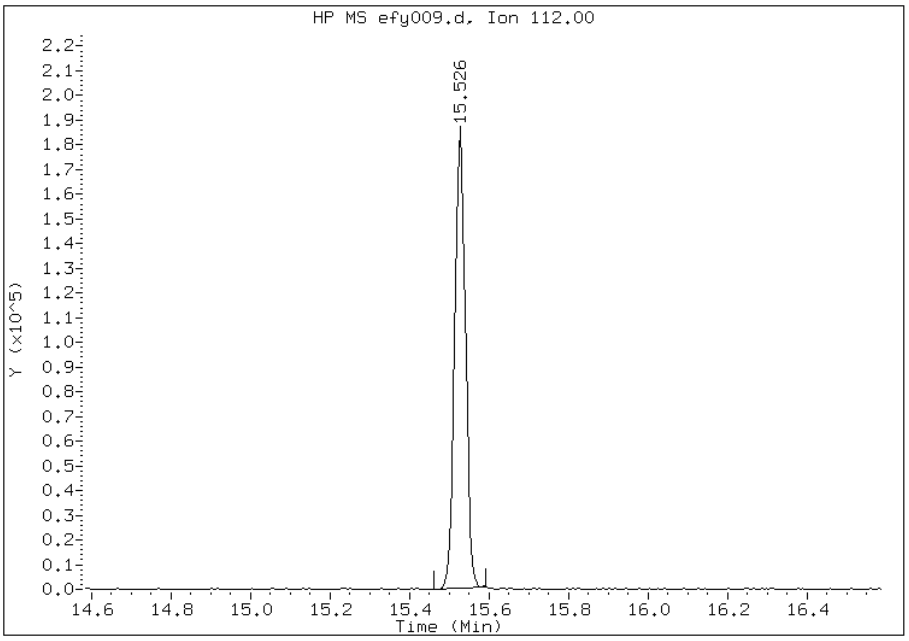
Manual Integration Results

RT: 15.53

Response: 356582

Amount: 0.486444

Conc: 0.486444



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy010.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 18:36
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 75,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 18:36 Cal File: efy010.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	75.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	595542	0.75000	0.72
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	559711	0.75000	0.75
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	135340	0.75000	0.74
8 1,3-Butadiene	54	3.795	3.795	(0.383)	83323	0.75000	0.72
9 Bromomethane	94	4.399	4.399	(0.444)	176662	0.75000	0.67
10 Chloroethane	64	4.602	4.602	(0.464)	62055	0.75000	0.62
12 Vinyl bromide	106	4.977	4.982	(0.502)	203918	0.75000	0.72
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	627555	0.75000	0.71
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.207	(0.627)	405077	0.75000	0.71
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	199183	0.75000	0.65
22 Allyl chloride	41	7.063	7.063	(0.713)	199361	0.75000	0.63
25 Methylene chloride	49	7.347	7.352	(0.741)	216196	0.75000	0.73
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	291131	0.75000	0.71

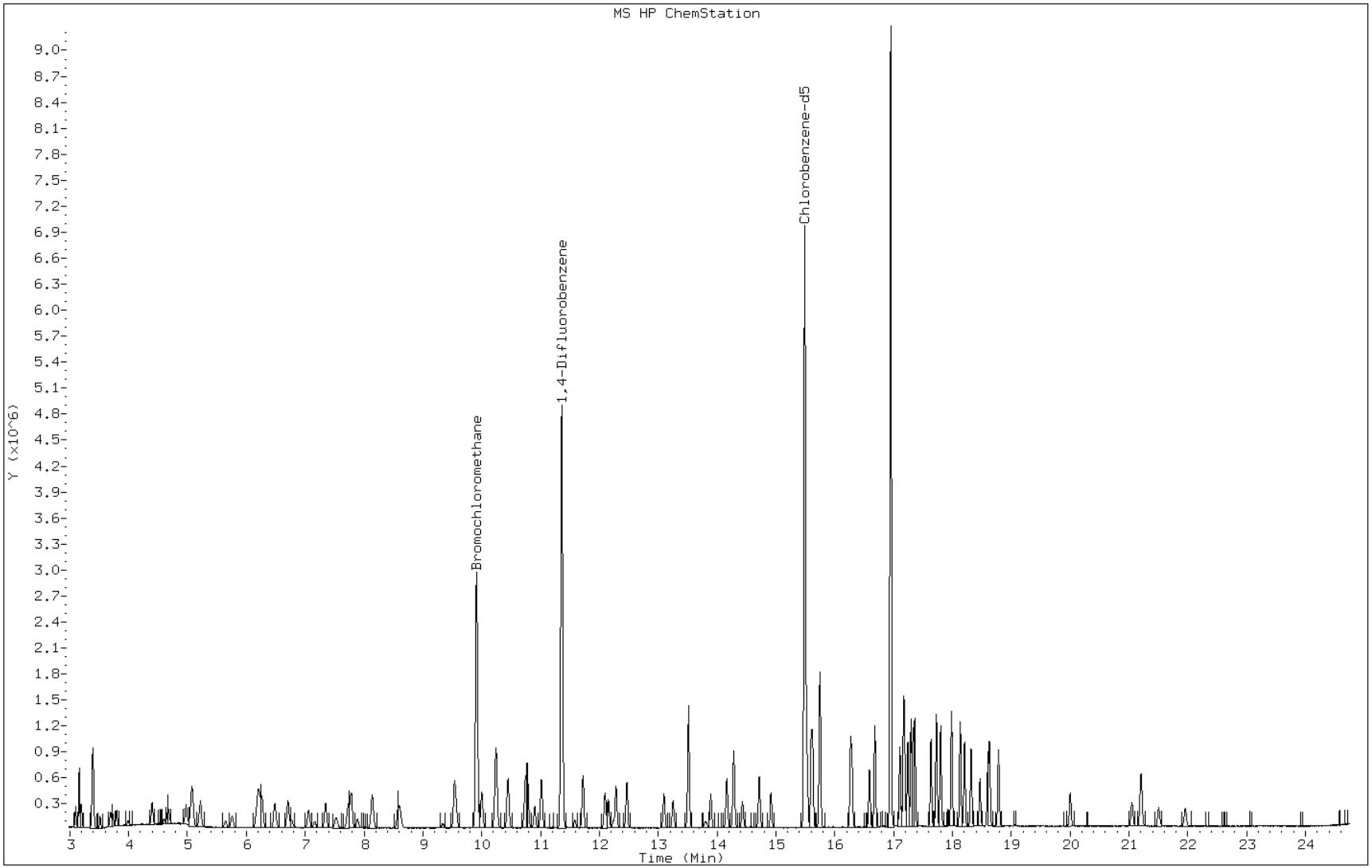
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	491667	0.75000	0.63
	30 n-Hexane	57	8.139	8.139	(0.821)	285480	0.75000	0.58
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	340792	0.75000	0.63
M	33 1,2-Dichloroethene, Total	61				482127	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.529	9.540	(0.962)	190996	0.75000	0.59
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	992179	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	405461	0.75000	0.64
	40 Cyclohexane	84	10.241	10.252	(0.902)	283175	0.75000	0.63
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	435557	0.75000	0.67
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	467445	0.75000	0.70
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	889765	0.75000	0.66
	44 Benzene	78	10.787	10.787	(0.950)	542772	0.75000	0.60
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	248315	0.75000	0.66
	46 n-Heptane	43	11.011	11.011	(0.969)	302469	0.75000	0.40
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	4923440	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	250449	0.75000	0.60
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	199879	0.75000	0.66(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	418269	0.75000	0.66
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	290619	0.75000	0.66
	58 Toluene	92	13.515	13.515	(0.873)	374735	0.75000	0.56
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	265353	0.75000	0.64
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	195047	0.75000	0.62
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	330332	0.75000	0.64
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	385899	0.75000	0.67
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	336512	0.75000	0.64
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4651532	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	493845	0.75000	0.66(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	816584	0.75000	0.62
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	637194	1.50000	1.3
M	70 Xylene, Total	106				952573	2.25000	1.9
	71 Xylene (o)	106	16.265	16.259	(1.050)	315379	0.75000	0.65
	73 Bromoform	173	16.586	16.586	(1.071)	336943	0.75000	0.69
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	504949	0.75000	0.65
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	886305	0.75000	0.70
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	734650	0.75000	0.68
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efy010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531973
Lab Sample ID: ic 531973

Date: 28-AUG-2013 18:36
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



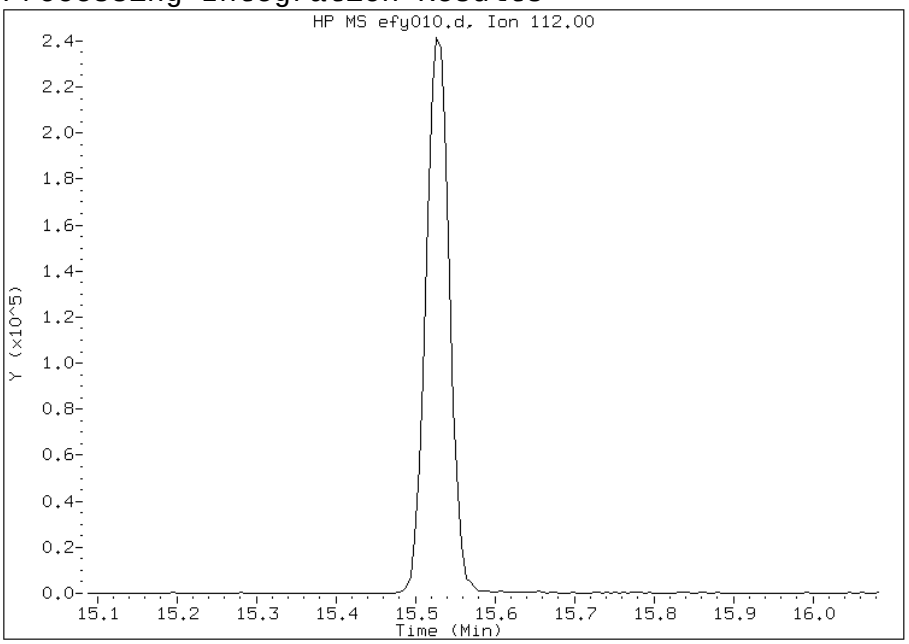
Manual Integration Report

Data File: efy010.d
Lab Sample ID: ic 531973
Inj. Date and Time: 28-AUG-2013 18:36
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



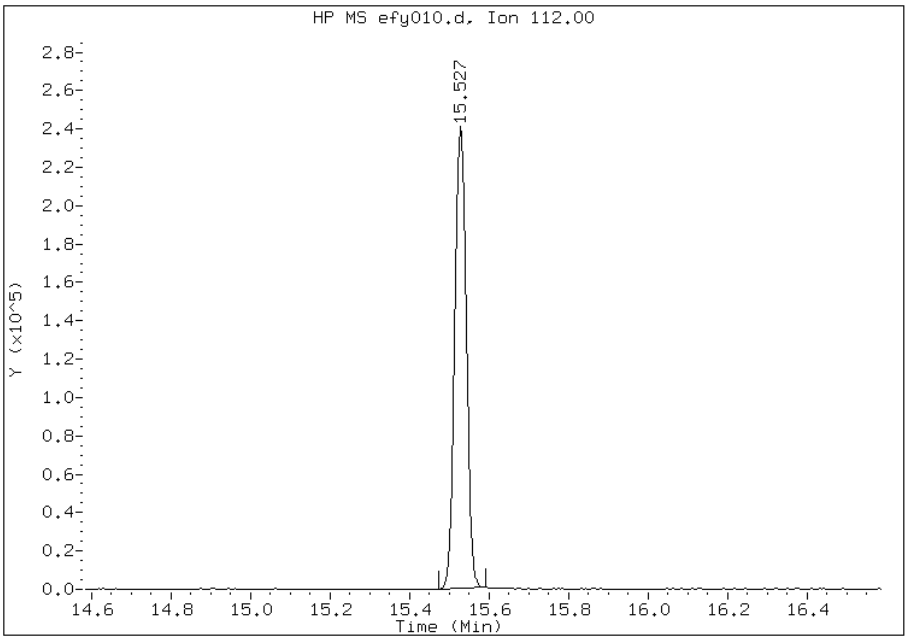
Manual Integration Results

RT: 15.53

Response: 493845

Amount: 0.661154

Conc: 0.661154



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy011.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 19:32
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 100,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 19:32 Cal File: efy011.d
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	801911	1.00000	0.96
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	767634	1.00000	1.0(A)
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	180873	1.00000	0.97
8 1,3-Butadiene	54	3.795	3.795	(0.383)	110430	1.00000	0.94
9 Bromomethane	94	4.404	4.399	(0.444)	240634	1.00000	0.90
10 Chloroethane	64	4.602	4.602	(0.464)	83885	1.00000	0.83
12 Vinyl bromide	106	4.977	4.982	(0.502)	264713	1.00000	0.92
13 Trichlorofluoromethane	101	5.078	5.079	(0.512)	866839	1.00000	0.97
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	562596	1.00000	0.98
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	271296	1.00000	0.88
22 Allyl chloride	41	7.063	7.063	(0.713)	266131	1.00000	0.84
25 Methylene chloride	49	7.352	7.352	(0.742)	293482	1.00000	0.98
27 1,2-Dichloroethene (trans)	61	7.785	7.786	(0.786)	396246	1.00000	0.95

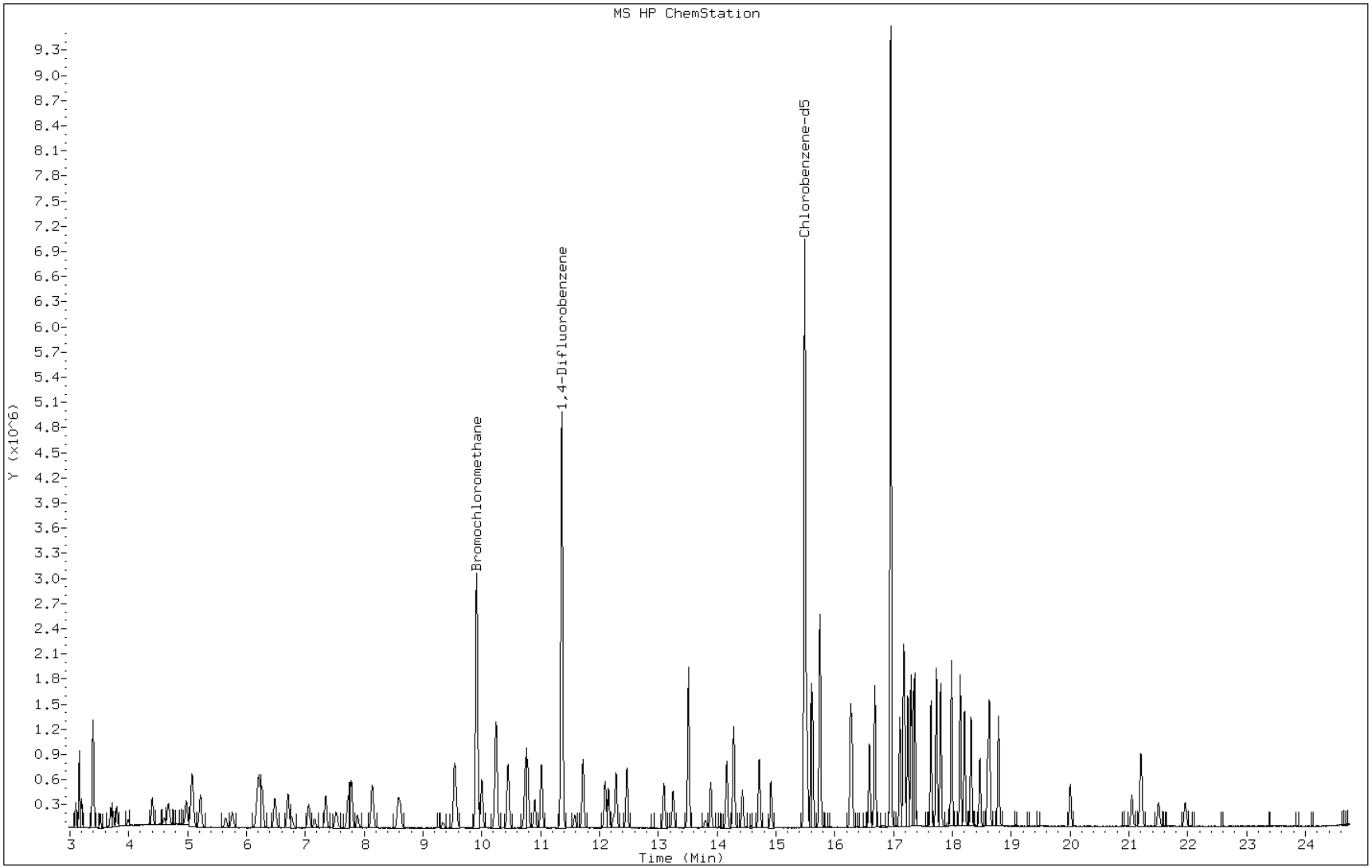
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	698189	1.00000	0.88
	30 n-Hexane	57	8.144	8.139	(0.822)	387470	1.00000	0.78
	31 1,1-Dichloroethane	63	8.582	8.577	(0.866)	456554	1.00000	0.84
M	33 1,2-Dichloroethene, Total	61				667356	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	271110	1.00000	0.83
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1005546	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	559735	1.00000	0.87
	40 Cyclohexane	84	10.246	10.252	(0.902)	389862	1.00000	0.86
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	605132	1.00000	0.92
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	628867	1.00000	0.93
	43 2,2,4-Trimethylpentane	57	10.749	10.744	(0.946)	1193648	1.00000	0.87
	44 Benzene	78	10.787	10.787	(0.950)	750662	1.00000	0.82
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	340230	1.00000	0.89
	46 n-Heptane	43	11.011	11.011	(0.969)	409615	1.00000	0.54
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5003700	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	350107	1.00000	0.82
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	273951	1.00000	0.88(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	576337	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	392026	1.00000	0.87
	58 Toluene	92	13.520	13.515	(0.873)	548677	1.00000	0.81
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	375600	1.00000	0.89
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	271481	1.00000	0.85
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	449792	1.00000	0.86
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	538291	1.00000	0.92
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	467814	1.00000	0.88
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	4712969	2.00000	
	66 Chlorobenzene	112	15.526	15.585	(1.002)	695371	1.00000	0.92(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	1170723	1.00000	0.88
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	913219	2.00000	1.8
M	70 Xylene, Total	106				1368734	3.00000	2.8
	71 Xylene (o)	106	16.270	16.259	(1.050)	455515	1.00000	0.92
	73 Bromoform	173	16.586	16.586	(1.071)	497498	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	716151	1.00000	0.92
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	1279646	1.00000	1.0(A)
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	1059884	1.00000	0.96
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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: efy011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531973
Lab Sample ID: ic 531973

Date: 28-AUG-2013 19:32
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



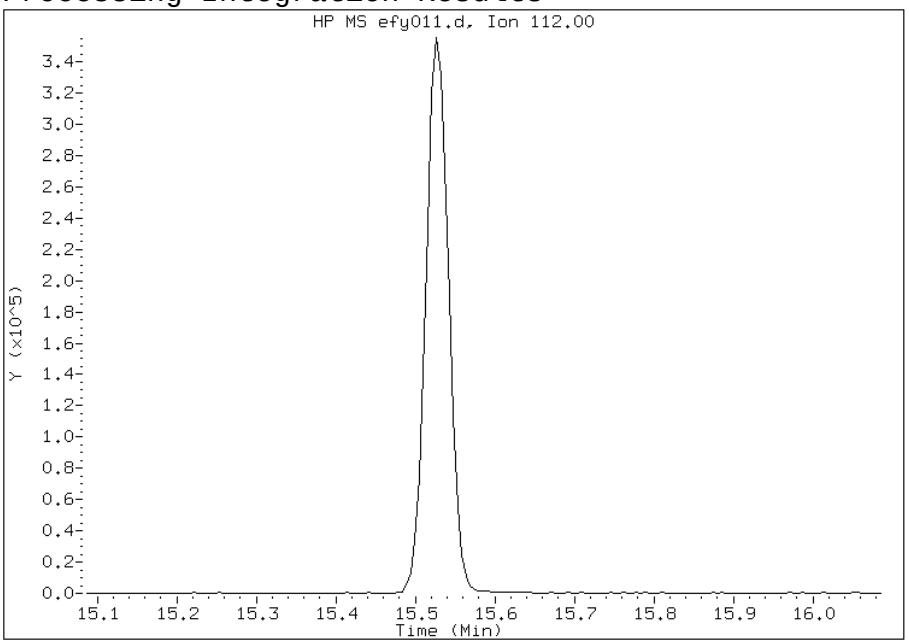
Manual Integration Report

Data File: efy011.d
Lab Sample ID: ic 531973
Inj. Date and Time: 28-AUG-2013 19:32
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



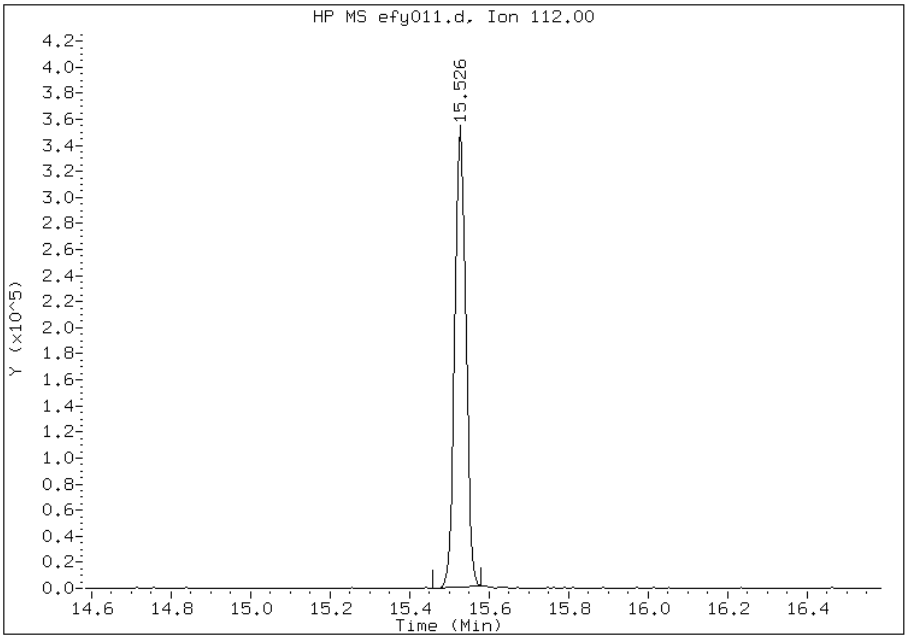
Manual Integration Results

RT: 15.53

Response: 695371

Amount: 0.918818

Conc: 0.918818



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy012.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 20:27
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 150,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 20:27 Cal File: efy012.d
Als bottle: 5 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	150.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

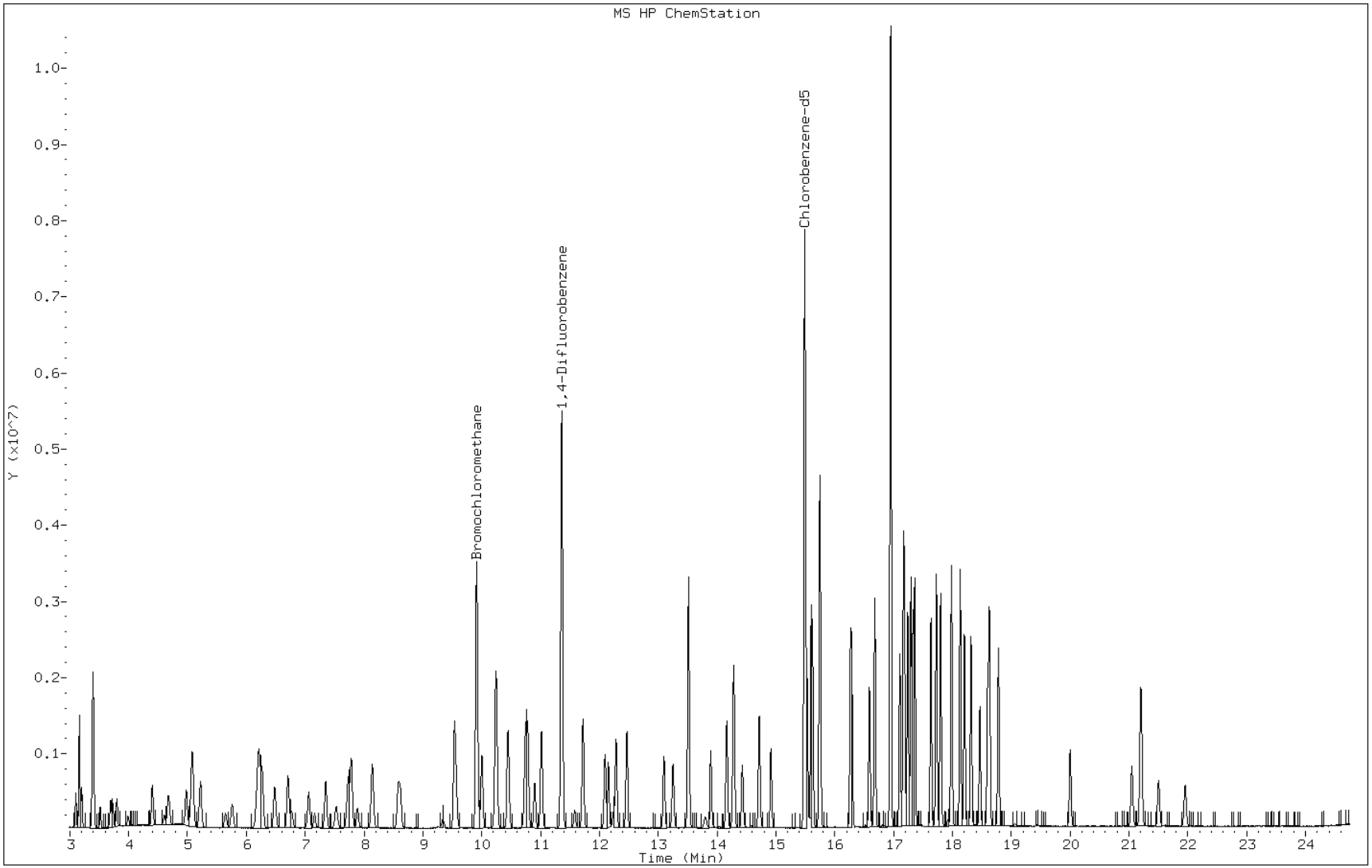
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	1278706	1.50000	1.4(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1215449	1.50000	1.4(A)
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.736	3.730	(0.377)	291795	1.50000	1.4(A)
8 1,3-Butadiene	54	3.800	3.795	(0.383)	180646	1.50000	1.4(A)
9 Bromomethane	94	4.399	4.399	(0.444)	382619	1.50000	1.3(A)
10 Chloroethane	64	4.608	4.602	(0.465)	132884	1.50000	1.2(A)
12 Vinyl bromide	106	4.982	4.982	(0.503)	438087	1.50000	1.4(A)
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	1401813	1.50000	1.4(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	915476	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	433619	1.50000	1.2(A)
22 Allyl chloride	41	7.063	7.063	(0.713)	437931	1.50000	1.2(A)
25 Methylene chloride	49	7.352	7.352	(0.742)	455314	1.50000	1.4
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	645545	1.50000	1.4(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	1197626	1.50000	1.4(A)
	30 n-Hexane	57	8.144	8.139	(0.822)	639265	1.50000	1.1(A)
	31 1,1-Dichloroethane	63	8.583	8.577	(0.866)	788022	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1107839	3.00000	2.6
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	462294	1.50000	1.3(A)
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1121714	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	954922	1.50000	1.3(A)
	40 Cyclohexane	84	10.241	10.252	(0.902)	639006	1.50000	1.2(A)
	41 1,1,1-Trichloroethane	97	10.246	10.246	(0.902)	1034587	1.50000	1.4(A)
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	1083715	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	2010553	1.50000	1.3(A)
	44 Benzene	78	10.787	10.787	(0.950)	1316571	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	591626	1.50000	1.4(A)
	46 n-Heptane	43	11.017	11.011	(0.970)	680734	1.50000	0.78
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5680969	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	605742	1.50000	1.2(A)
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	483142	1.50000	1.4(AQ)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	1018453	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	685903	1.50000	1.3(A)
	58 Toluene	92	13.515	13.515	(0.873)	954668	1.50000	1.2(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	695694	1.50000	1.4(A)
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	480604	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	810775	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	983536	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	851315	1.50000	1.4(A)
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5355221	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	1262005	1.50000	1.5(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	2092219	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	1655049	3.00000	2.9(A)
M	70 Xylene, Total	106				2452909	4.50000	4.3
	71 Xylene (o)	106	16.265	16.259	(1.050)	797860	1.50000	1.4(A)
	73 Bromoform	173	16.586	16.586	(1.071)	941188	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	1255931	1.50000	1.4(A)
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	2308031	1.50000	1.6(A)
	81 1,3,5-Trimethylbenzene	105	17.362	17.361	(1.121)	1904645	1.50000	1.5(A)
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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:	efy012.d	Date:	28-AUG-2013 20:27
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 531973		
Lab Sample ID:	ic 531973		



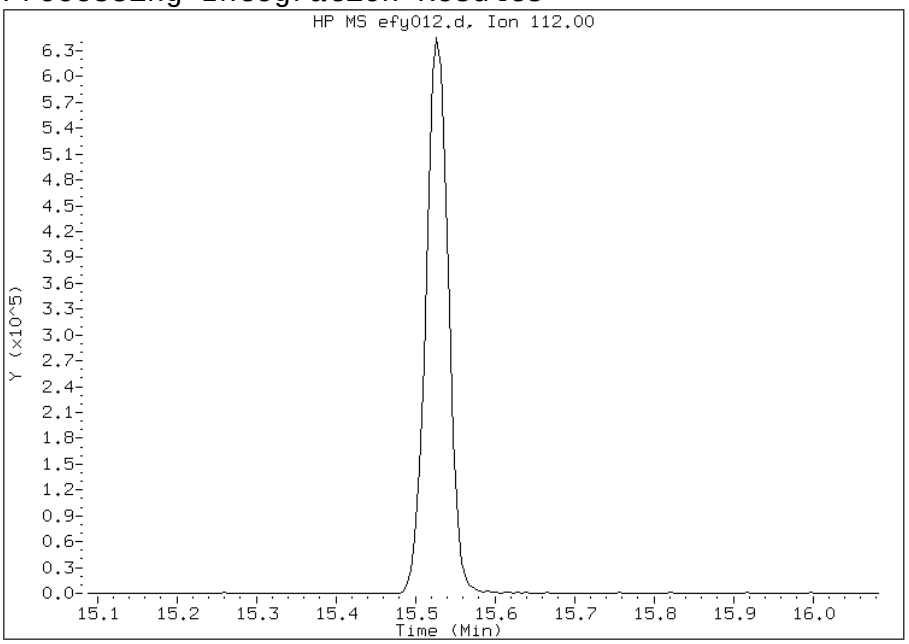
Manual Integration Report

Data File: efy012.d
Lab Sample ID: ic 531973
Inj. Date and Time: 28-AUG-2013 20:27
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



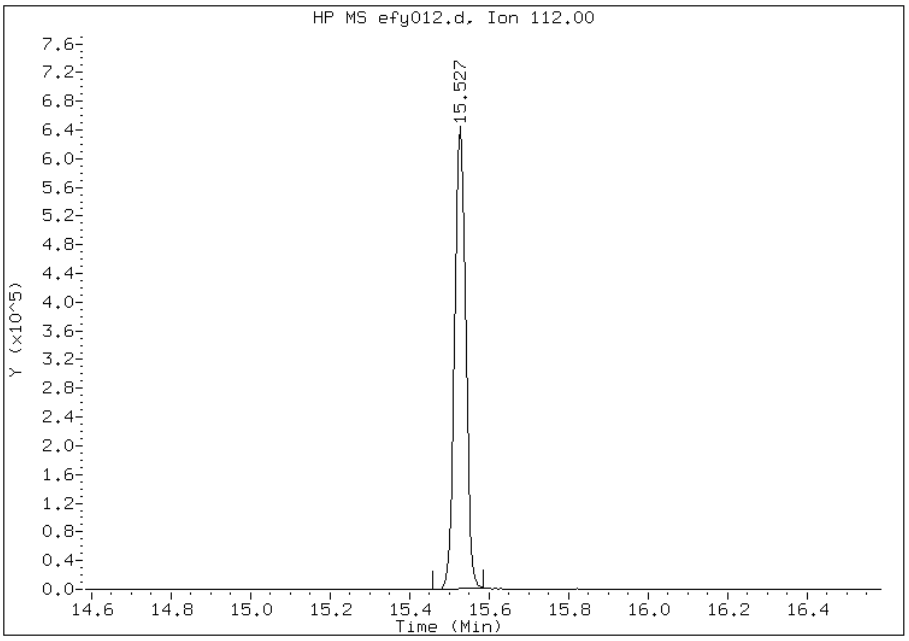
Manual Integration Results

RT: 15.53

Response: 1262005

Amount: 1.47

Conc: 1.47



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy013.d
Lab Smp Id: ic 531973
Inj Date : 28-AUG-2013 21:22
Operator : wrd Inst ID: E.i
Smp Info : ic 531973
Misc Info : 200,1,level 10
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 5 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	1742946	2.00000	1.8(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1630804	2.00000	1.9(A)
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.736	3.730	(0.377)	389933	2.00000	1.8(A)
8 1,3-Butadiene	54	3.800	3.795	(0.383)	239494	2.00000	1.8(A)
9 Bromomethane	94	4.404	4.399	(0.444)	521219	2.00000	1.7(A)
10 Chloroethane	64	4.608	4.602	(0.465)	181308	2.00000	1.6(A)
12 Vinyl bromide	106	4.982	4.982	(0.502)	583468	2.00000	1.8(A)
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	1886236	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.207	(0.626)	1271046	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.271	6.266	(0.633)	600210	2.00000	1.7(A)
22 Allyl chloride	41	7.063	7.063	(0.712)	606718	2.00000	1.7(A)
25 Methylene chloride	49	7.347	7.352	(0.741)	629322	2.00000	1.8
27 1,2-Dichloroethene (trans)	61	7.785	7.786	(0.785)	872745	2.00000	1.8(A)

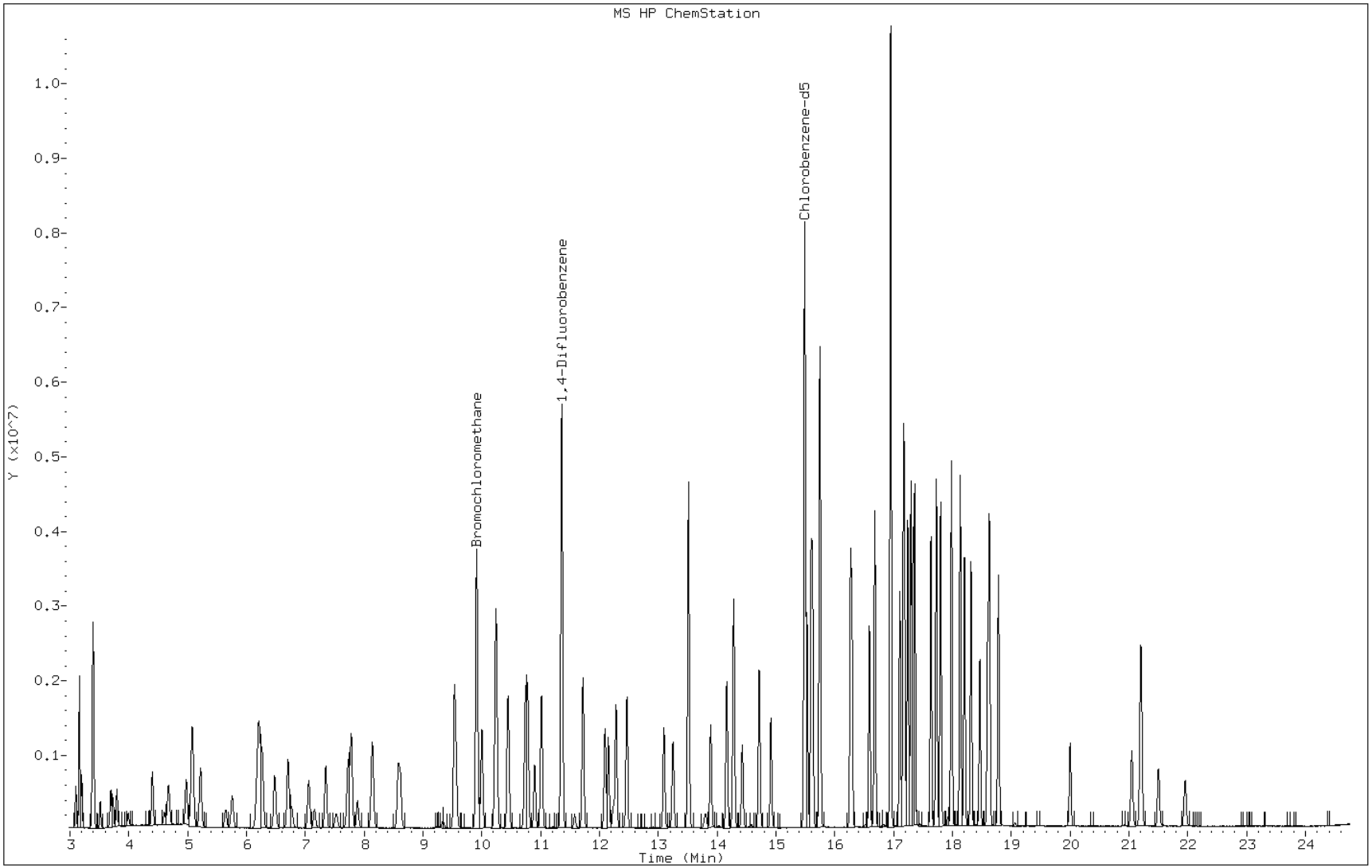
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.780)	1653100	2.00000	1.8(A)
	30 n-Hexane	57	8.138	8.139	(0.821)	887285	2.00000	1.6(A)
	31 1,1-Dichloroethane	63	8.582	8.577	(0.866)	1095591	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1518806	4.00000	3.6
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	646061	2.00000	1.7(A)
*	36 Bromochloromethane	128	9.915	9.909	(1.000)	1144224	2.00000	
	39 Chloroform	83	10.000	10.000	(1.009)	1325847	2.00000	1.8(A)
	40 Cyclohexane	84	10.241	10.252	(0.902)	887394	2.00000	1.7(A)
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	1446975	2.00000	1.9(A)
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	1496725	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	2778006	2.00000	1.7(A)
	44 Benzene	78	10.787	10.787	(0.950)	1838979	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	833133	2.00000	1.9(A)
	46 n-Heptane	43	11.011	11.011	(0.969)	939614	2.00000	1.1(A)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5791869	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	844002	2.00000	1.7(A)
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	659006	2.00000	1.8(AQ)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	1433976	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	974923	2.00000	1.9(A)
	58 Toluene	92	13.515	13.515	(0.873)	1371946	2.00000	1.7(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	979481	2.00000	2.0(A)
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	679666	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	1164007	2.00000	1.9(A)
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	1420990	2.00000	2.1(A)
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	1209754	2.00000	2.0(A)
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5513824	2.00000	
	66 Chlorobenzene	112	15.526	15.585	(1.002)	1780002	2.00000	2.0(AQM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	2945434	2.00000	1.9(A)
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	2347603	4.00000	4.0(A)
M	70 Xylene, Total	106				3474928	6.00000	6.0
	71 Xylene (o)	106	16.265	16.259	(1.050)	1127325	2.00000	2.0(A)
	73 Bromoform	173	16.586	16.586	(1.071)	1375983	2.00000	2.4(A)
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	1756555	2.00000	1.9(A)
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	3277513	2.00000	2.2(A)
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	2686890	2.00000	2.1(A)
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

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: efy013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531973
Lab Sample ID: ic 531973

Date: 28-AUG-2013 21:22
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



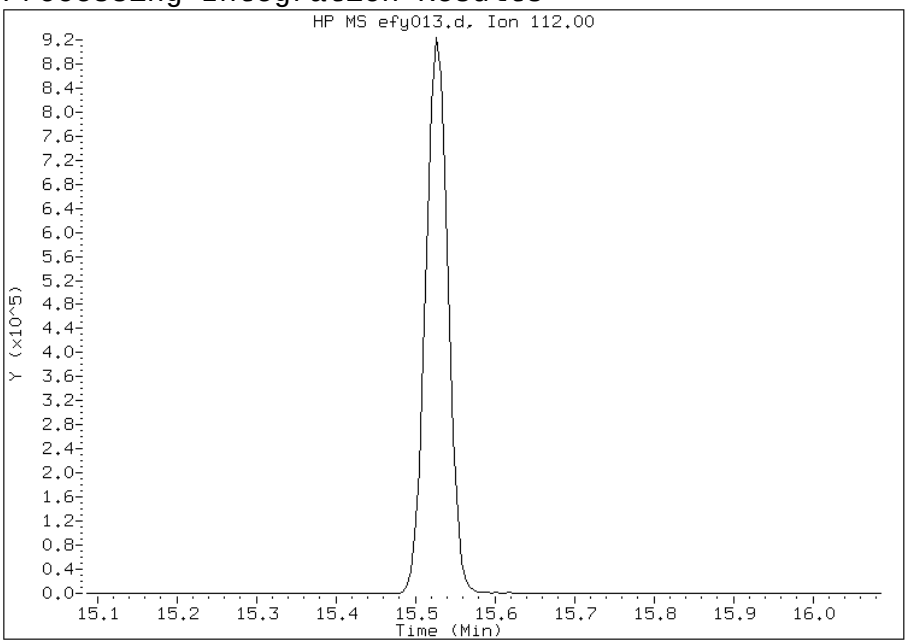
Manual Integration Report

Data File: efy013.d
Lab Sample ID: ic 531973
Inj. Date and Time: 28-AUG-2013 21:22
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



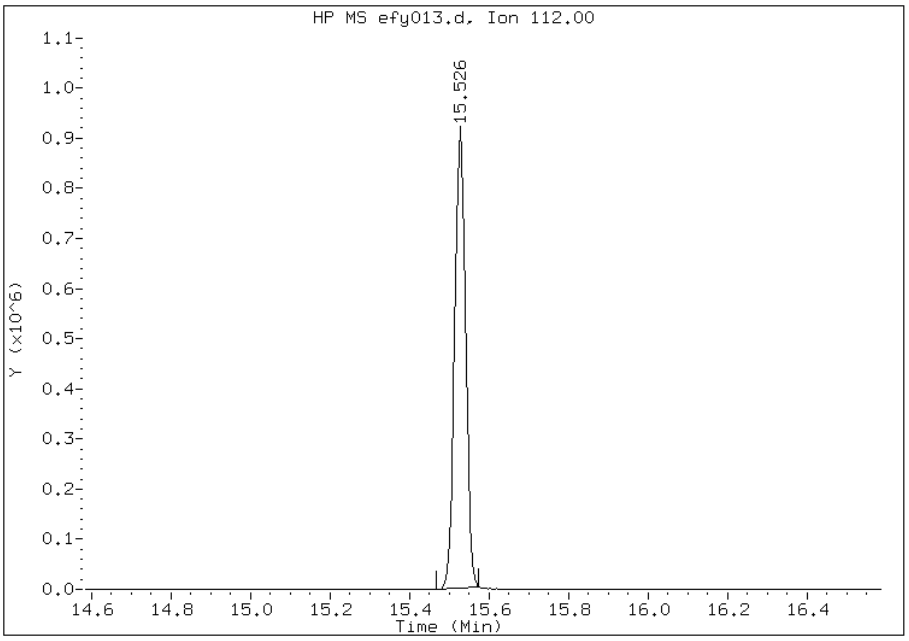
Manual Integration Results

RT: 15.53

Response: 1780002

Amount: 2.01

Conc: 2.01



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60768/16 Calibration Date: 08/29/2013 00:07

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efy016.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	1.654	1.445		0.175	0.200	-12.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.504	1.361		0.181	0.200	-9.5	30.0
Vinyl chloride	Ave	0.3695	0.3366		0.182	0.200	-8.9	30.0
1,3-Butadiene	Ave	0.2324	0.2041		0.176	0.200	-12.2	30.0
Bromomethane	Ave	0.5328	0.4340		0.163	0.200	-18.6	30.0
Chloroethane	Ave	0.2000	0.1570		0.157	0.200	-21.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.5726	0.5153		0.180	0.200	-10.0	30.0
Trichlorofluoromethane	Ave	1.778	1.489		0.167	0.200	-16.2	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.145	1.149		0.201	0.200	0.4	30.0
1,1-Dichloroethene	Ave	0.6162	0.5430		0.176	0.200	-11.9	30.0
3-Chloropropene	Ave	0.6332	0.4961		0.157	0.200	-21.6	30.0
Methylene Chloride	Ave	0.5968	0.6500		0.218	0.200	8.9	30.0
Methyl tert-butyl ether	Ave	1.569	1.242		0.158	0.200	-20.9	30.0
trans-1,2-Dichloroethene	Ave	0.8309	0.7071		0.170	0.200	-14.9	30.0
n-Hexane	Ave	0.9940	0.7339		0.148	0.200	-26.2	30.0
1,1-Dichloroethane	Ave	1.087	0.8511		0.157	0.200	-21.7	30.0
cis-1,2-Dichloroethene	Ave	0.6505	0.5443		0.167	0.200	-16.3	30.0
Chloroform	Ave	1.275	1.056		0.166	0.200	-17.2	30.0
1,1,1-Trichloroethane	Ave	0.2640	0.2317		0.175	0.200	-12.3	30.0
Cyclohexane	Ave	0.1822	0.1426		0.156	0.200	-21.8	30.0
Carbon tetrachloride	Ave	0.2712	0.2284		0.168	0.200	-15.8	30.0
2,2,4-Trimethylpentane	Ave	0.5485	0.4308		0.157	0.200	-21.5	30.0
Benzene	Ave	0.3664	0.2922		0.159	0.200	-20.2	30.0
1,2-Dichloroethane	Ave	0.1531	0.1267		0.166	0.200	-17.2	30.0
n-Heptane	Ave	0.3059	0.1569		0.103	0.200	-48.7*	30.0
Trichloroethene	Ave	0.1695	0.1280		0.151	0.200	-24.5	30.0
1,2-Dichloropropane	Ave	0.1237	0.0982		0.159	0.200	-20.6	30.0
Bromodichloromethane	Ave	0.2569	0.2068		0.161	0.200	-19.5	30.0
cis-1,3-Dichloropropene	Ave	0.1801	0.1299		0.144	0.200	-27.8	30.0
Toluene	Ave	0.2865	0.2091		0.146	0.200	-27.0	30.0
trans-1,3-Dichloropropene	Ave	0.1687	0.1161		0.138	0.200	-31.2*	30.0
1,1,2-Trichloroethane	Ave	0.1361	0.0981		0.144	0.200	-27.9	30.0
Tetrachloroethene	Ave	0.2206	0.1873		0.170	0.200	-15.1	30.0
Dibromochloromethane	Ave	0.2491	0.2041		0.164	0.200	-18.1	30.0
1,2-Dibromoethane	Ave	0.2244	0.1742		0.155	0.200	-22.4	30.0
Ethylbenzene	Ave	0.5624	0.4376		0.156	0.200	-22.2	30.0
m-Xylene & p-Xylene	Ave	0.2118	0.1614		0.305	0.400	-23.8	30.0
o-Xylene	Ave	0.2088	0.1608		0.154	0.200	-23.0	30.0
Bromoform	Ave	0.2106	0.1573		0.149	0.200	-25.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.3315	0.2324		0.140	0.200	-29.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60768/16 Calibration Date: 08/29/2013 00:07

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efy016.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
4-Ethyltoluene	Ave	0.5429	0.4383		0.161	0.200	-19.3	30.0
1,3,5-Trimethylbenzene	Ave	0.4667	0.3551		0.152	0.200	-23.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy016.d
Lab Smp Id: icv 535161
Inj Date : 29-AUG-2013 00:07
Operator : wrd Inst ID: E.i
Smp Info : icv 535161
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	170225	0.17463	0.17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	160376	0.18089	0.18
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	39665	0.18214	0.18
8 1,3-Butadiene	54	3.800	3.795	(0.383)	24051	0.17562	0.18
9 Bromomethane	94	4.404	4.399	(0.444)	51136	0.16286	0.16
10 Chloroethane	64	4.602	4.602	(0.464)	18501	0.15697	0.16
12 Vinyl bromide	106	4.982	4.982	(0.503)	60727	0.17997	0.18
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	175464	0.16750	0.17
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	135435	0.20071	0.20
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	63985	0.17620	0.18(Q)
22 Allyl chloride	41	7.069	7.063	(0.713)	58464	0.15669	0.16
25 Methylene chloride	49	7.352	7.352	(0.742)	76596	0.21778	0.22
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	83319	0.17015	0.17

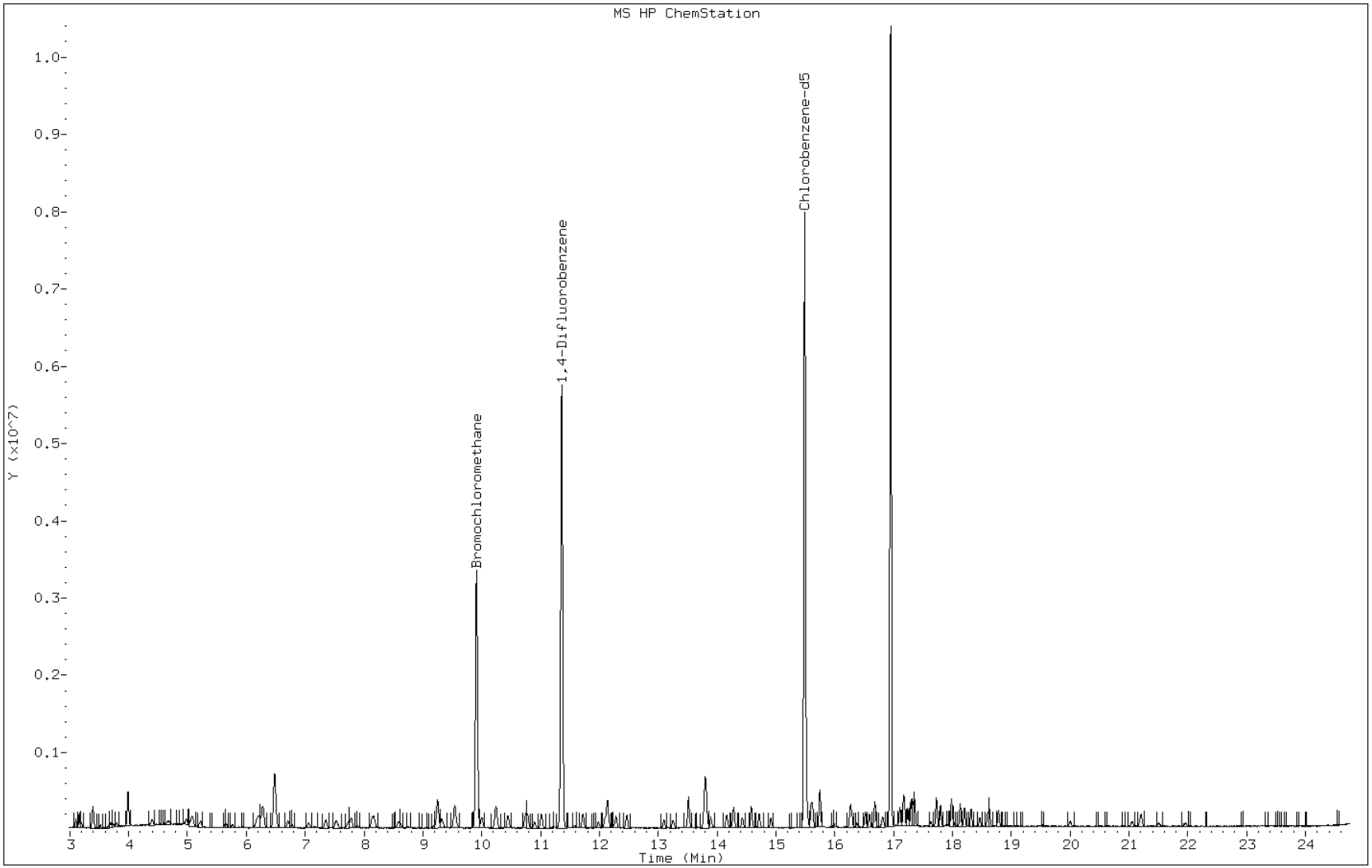
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	146358	0.15827	0.16
	30 n-Hexane	57	8.139	8.139	(0.821)	86483	0.14765	0.15
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	100297	0.15650	0.16
M	33 1,2-Dichloroethene, Total	61				147456	0.33747	0.34
	34 1,2-Dichloroethene (cis)	96	9.530	9.540	(0.962)	64137	0.16732	0.17
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1178624	2.00000	
	39 Chloroform	83	10.006	10.000	(1.010)	124425	0.16558	0.16
	40 Cyclohexane	84	10.241	10.252	(0.902)	85120	0.15644	0.16
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	138329	0.17547	0.18
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	136399	0.16843	0.17
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	257230	0.15706	0.16
	44 Benzene	78	10.787	10.787	(0.950)	174468	0.15948	0.16
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	75674	0.16558	0.16
	46 n-Heptane	43	11.011	11.011	(0.969)	93662	0.10253	0.10(R)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5972016	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	76415	0.15094	0.15
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	58636	0.15881	0.16(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	123496	0.16098	0.16
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	77573	0.14428	0.14
	58 Toluene	92	13.515	13.515	(0.873)	114507	0.14592	0.14
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	69305	0.13760	0.14
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	53723	0.14413	0.14
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	102573	0.16976	0.17
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	111756	0.16384	0.16
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	95406	0.15524	0.16
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5477512	2.00000	
	66 Chlorobenzene	112	15.532	15.585	(1.003)	144338	0.16410	0.16(QM)
	67 Ethylbenzene	91	15.601	15.596	(1.007)	239669	0.15560	0.16
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	176796	0.30476	0.30
M	70 Xylene, Total	106				264848	0.45872	0.46
	71 Xylene (o)	106	16.265	16.259	(1.050)	88052	0.15396	0.15(Q)
	73 Bromoform	173	16.586	16.586	(1.071)	86160	0.14937	0.15
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	127280	0.14018	0.14
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	240019	0.16143	0.16
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	194468	0.15214	0.15
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: efy016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 535161
Lab Sample ID: icv 535161

Date: 29-AUG-2013 00:07
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60768/16 Calibration Date: 08/29/2013 00:07

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efy016.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
1,2,4-Trimethylbenzene	Ave		0.0000		0.0400	0.200		30.0
Chloromethane	Ave		0.0000		0.100	0.200		30.0
Chlorobenzene	Ave	0.3212	0.2636		0.164	0.200	-17.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efyWRD.b/efy016.d
Lab Smp Id: icv 535161
Inj Date : 29-AUG-2013 00:07
Operator : wrd Inst ID: E.i
Smp Info : icv 535161
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efyWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:16 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.158	(0.319)	170225	0.17463	0.17
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	160376	0.18089	0.18
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	39665	0.18214	0.18
8 1,3-Butadiene	54	3.800	3.795	(0.383)	24051	0.17562	0.18
9 Bromomethane	94	4.404	4.399	(0.444)	51136	0.16286	0.16
10 Chloroethane	64	4.602	4.602	(0.464)	18501	0.15697	0.16
12 Vinyl bromide	106	4.982	4.982	(0.503)	60727	0.17997	0.18
13 Trichlorofluoromethane	101	5.084	5.079	(0.513)	175464	0.16750	0.17
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	135435	0.20071	0.20
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	63985	0.17620	0.18(Q)
22 Allyl chloride	41	7.069	7.063	(0.713)	58464	0.15669	0.16
25 Methylene chloride	49	7.352	7.352	(0.742)	76596	0.21778	0.22
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	83319	0.17015	0.17

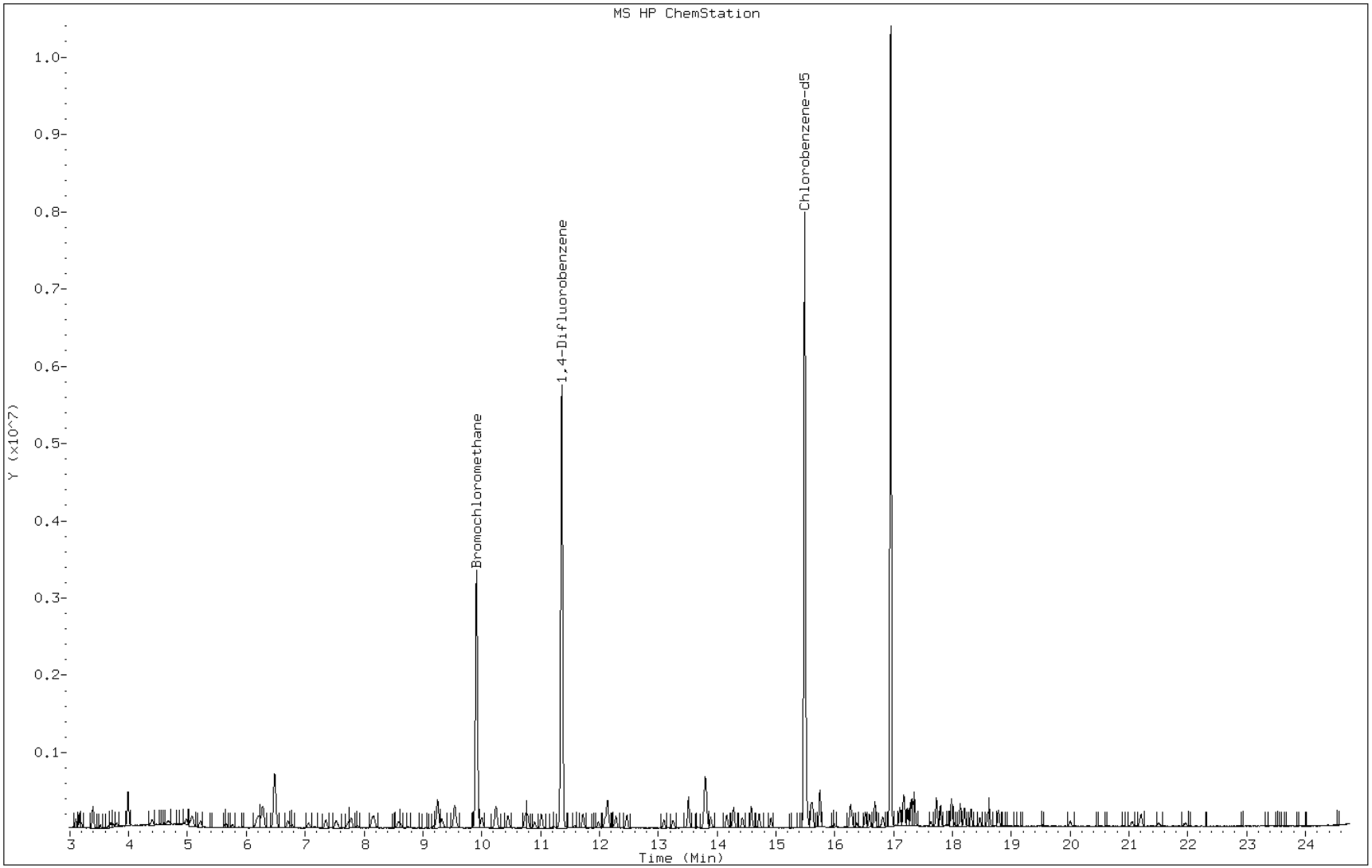
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	146358	0.15827	0.16
	30 n-Hexane	57	8.139	8.139	(0.821)	86483	0.14765	0.15
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	100297	0.15650	0.16
M	33 1,2-Dichloroethene, Total	61				147456	0.33747	0.34
	34 1,2-Dichloroethene (cis)	96	9.530	9.540	(0.962)	64137	0.16732	0.17
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	1178624	2.00000	
	39 Chloroform	83	10.006	10.000	(1.010)	124425	0.16558	0.16
	40 Cyclohexane	84	10.241	10.252	(0.902)	85120	0.15644	0.16
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	138329	0.17547	0.18
	42 Carbon tetrachloride	117	10.450	10.444	(0.920)	136399	0.16843	0.17
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	257230	0.15706	0.16
	44 Benzene	78	10.787	10.787	(0.950)	174468	0.15948	0.16
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	75674	0.16558	0.16
	46 n-Heptane	43	11.011	11.011	(0.969)	93662	0.10253	0.10(R)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	5972016	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	76415	0.15094	0.15
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	58636	0.15881	0.16(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	123496	0.16098	0.16
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	77573	0.14428	0.14
	58 Toluene	92	13.515	13.515	(0.873)	114507	0.14592	0.14
	59 1,3-Dichloropropene (trans)	75	13.895	13.895	(1.223)	69305	0.13760	0.14
	60 1,1,2-Trichloroethane	83	14.157	14.157	(0.914)	53723	0.14413	0.14
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	102573	0.16976	0.17
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	111756	0.16384	0.16
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	95406	0.15524	0.16
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	5477512	2.00000	
	66 Chlorobenzene	112	15.532	15.585	(1.003)	144338	0.16410	0.16(QM)
	67 Ethylbenzene	91	15.601	15.596	(1.007)	239669	0.15560	0.16
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	176796	0.30476	0.30
M	70 Xylene, Total	106				264848	0.45872	0.46
	71 Xylene (o)	106	16.265	16.259	(1.050)	88052	0.15396	0.15(Q)
	73 Bromoform	173	16.586	16.586	(1.071)	86160	0.14937	0.15
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	127280	0.14018	0.14
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	240019	0.16143	0.16
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	194468	0.15214	0.15
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: efy016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 535161
Lab Sample ID: icv 535161

Date: 29-AUG-2013 00:07
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



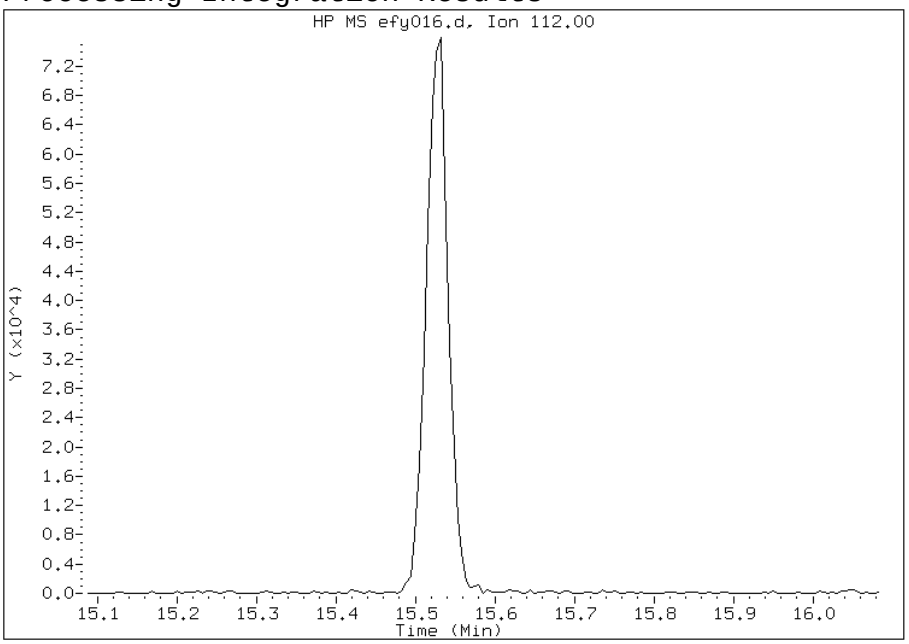
Manual Integration Report

Data File: efy016.d
Lab Sample ID: icv 535161
Inj. Date and Time: 29-AUG-2013 00:07
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



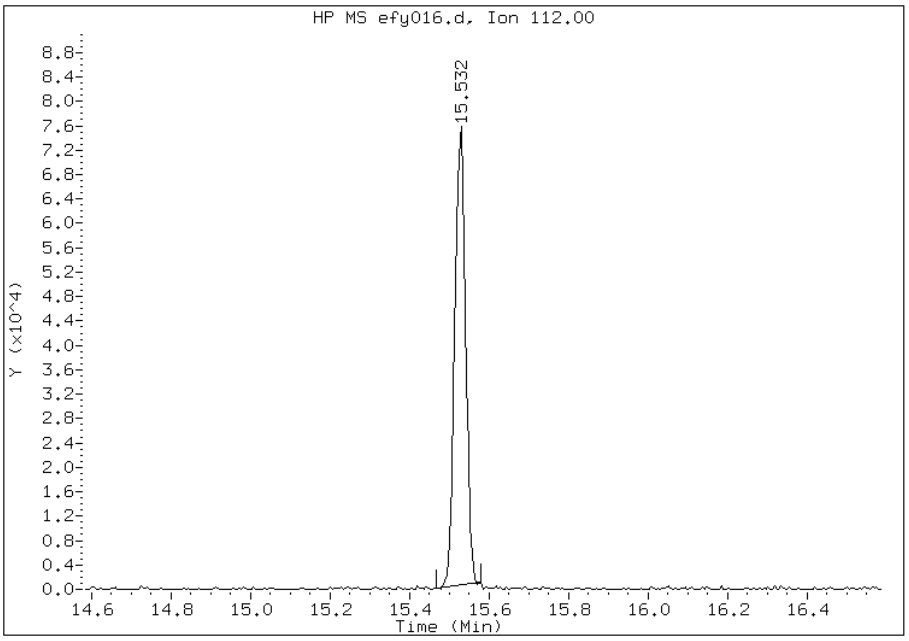
Manual Integration Results

RT: 15.53

Response: 144338

Amount: 0.164099

Conc: 0.164099



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60773/3 Calibration Date: 09/02/2013 12:24

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efyc003.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	1.654	2.987		0.361	0.200	80.6*	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.504	2.806		0.373	0.200	86.5*	30.0
Vinyl chloride	Ave	0.3695	0.6675		0.362	0.200	80.6*	30.0
1,3-Butadiene	Ave	0.2324	0.4306		0.371	0.200	85.3*	30.0
Bromomethane	Ave	0.5328	0.8245		0.310	0.200	54.7*	30.0
Chloroethane	Ave	0.2000	0.3063		0.307	0.200	53.1*	30.0
Bromoethene(Vinyl Bromide)	Ave	0.5726	0.8778		0.307	0.200	53.3*	30.0
Trichlorofluoromethane	Ave	1.778	2.692		0.303	0.200	51.4*	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.145	1.414		0.247	0.200	23.5	30.0
1,1-Dichloroethene	Ave	0.6162	0.6782		0.220	0.200	10.1	30.0
3-Chloropropene	Ave	0.6332	0.8097		0.256	0.200	27.9	30.0
Methylene Chloride	Ave	0.5968	0.9742		0.327	0.200	63.2*	30.0
Methyl tert-butyl ether	Ave	1.569	1.635		0.209	0.200	4.2	30.0
trans-1,2-Dichloroethene	Ave	0.8309	1.096		0.264	0.200	32.0*	30.0
n-Hexane	Ave	0.9940	1.127		0.227	0.200	13.4	30.0
1,1-Dichloroethane	Ave	1.087	1.283		0.236	0.200	18.0	30.0
cis-1,2-Dichloroethene	Ave	0.6505	0.6970		0.215	0.200	7.2	30.0
Chloroform	Ave	1.275	1.494		0.234	0.200	17.1	30.0
1,1,1-Trichloroethane	Ave	0.2640	0.3167		0.240	0.200	20.0	30.0
Cyclohexane	Ave	0.1822	0.1841		0.202	0.200	1.0	30.0
Carbon tetrachloride	Ave	0.2712	0.3180		0.235	0.200	17.3	30.0
2,2,4-Trimethylpentane	Ave	0.5485	0.6318		0.231	0.200	15.2	30.0
Benzene	Ave	0.3664	0.4123		0.225	0.200	12.5	30.0
1,2-Dichloroethane	Ave	0.1531	0.2080		0.272	0.200	35.9*	30.0
n-Heptane	Ave	0.3059	0.2525		0.165	0.200	-17.5	30.0
Trichloroethene	Ave	0.1695	0.1875		0.221	0.200	10.6	30.0
1,2-Dichloropropane	Ave	0.1237	0.1404		0.227	0.200	13.6	30.0
Bromodichloromethane	Ave	0.2569	0.2893		0.225	0.200	12.6	30.0
cis-1,3-Dichloropropene	Ave	0.1801	0.1893		0.210	0.200	5.1	30.0
Toluene	Ave	0.2865	0.2774		0.194	0.200	-3.2	30.0
trans-1,3-Dichloropropene	Ave	0.1687	0.1762		0.209	0.200	4.5	30.0
1,1,2-Trichloroethane	Ave	0.1361	0.1440		0.212	0.200	5.8	30.0
Tetrachloroethene	Ave	0.2206	0.2294		0.208	0.200	4.0	30.0
Dibromochloromethane	Ave	0.2491	0.2388		0.192	0.200	-4.1	30.0
1,2-Dibromoethane	Ave	0.2244	0.2277		0.203	0.200	1.5	30.0
Ethylbenzene	Ave	0.5624	0.5629		0.200	0.200	0.0	30.0
m-Xylene & p-Xylene	Ave	0.2118	0.2128		0.402	0.400	0.4	30.0
o-Xylene	Ave	0.2088	0.2115		0.203	0.200	1.3	30.0
Bromoform	Ave	0.2106	0.1859		0.177	0.200	-11.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.3315	0.3352		0.202	0.200	1.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60773/3 Calibration Date: 09/02/2013 12:24

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efyc003.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
4-Ethyltoluene	Ave	0.5429	0.5581		0.206	0.200	2.8	30.0
1,3,5-Trimethylbenzene	Ave	0.4667	0.4534		0.194	0.200	-2.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efycWRD.b/efyc003.d
Lab Smp Id: ccvis 535109
Inj Date : 02-SEP-2013 12:24
Operator : wrd Inst ID: E.i
Smp Info : ccvis 535109
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	213788	0.20000	0.36
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	200837	0.20000	0.37
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	47780	0.20000	0.36
8 1,3-Butadiene	54	3.795	3.795	(0.383)	30821	0.20000	0.37
9 Bromomethane	94	4.394	4.399	(0.443)	59019	0.20000	0.31
10 Chloroethane	64	4.597	4.602	(0.464)	21922	0.20000	0.31
12 Vinyl bromide	106	4.977	4.982	(0.502)	62834	0.20000	0.31
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	192685	0.20000	0.30
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	101245	0.20000	0.25
19 1,1-Dichloroethene	96	6.256	6.266	(0.631)	48545	0.20000	0.22(Q)
22 Allyl chloride	41	7.058	7.063	(0.712)	57958	0.20000	0.26
25 Methylene chloride	49	7.347	7.352	(0.741)	69734	0.20000	0.33
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	78489	0.20000	0.26

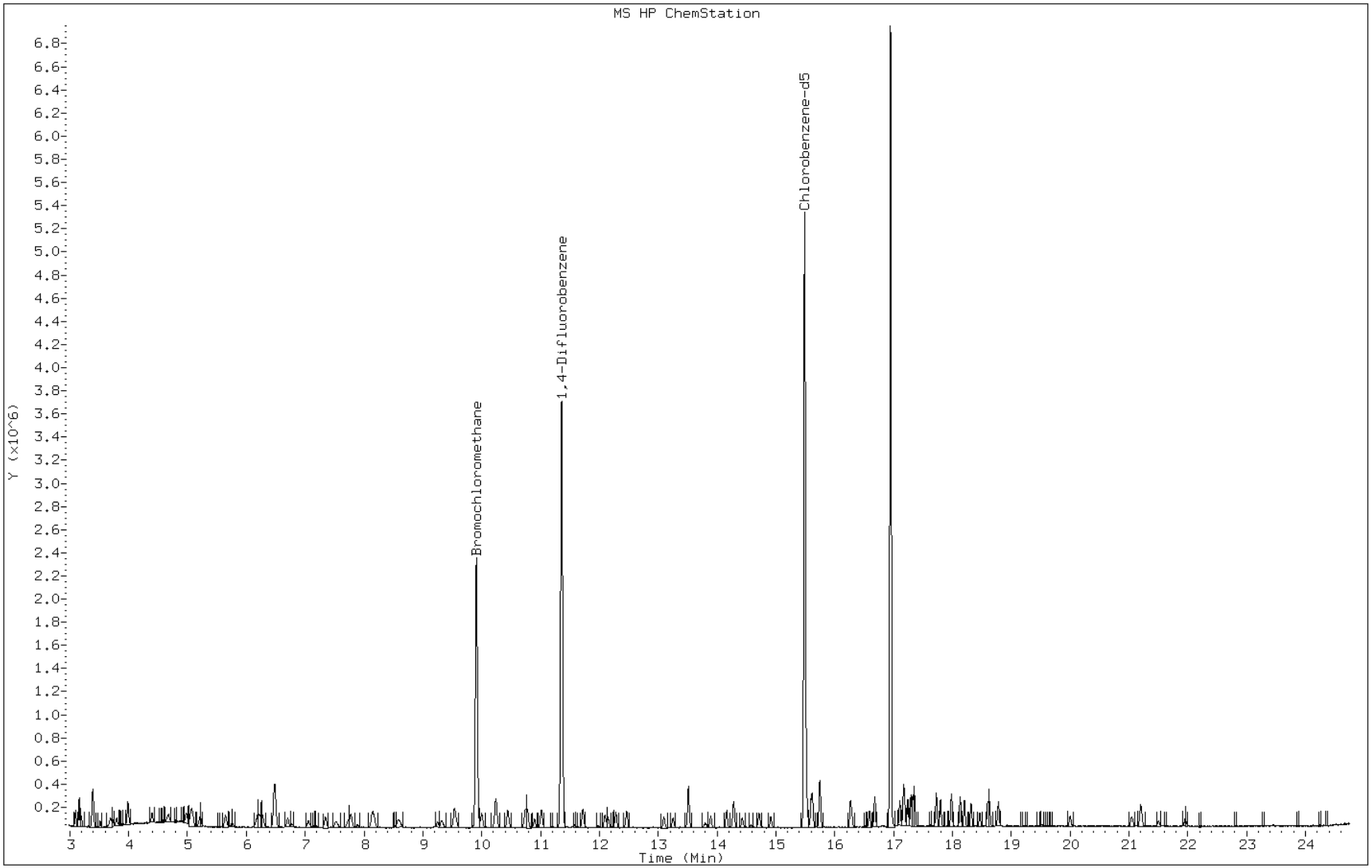
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	117021	0.20000	0.21
	30 n-Hexane	57	8.144	8.139	(0.822)	80662	0.20000	0.23
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	91837	0.20000	0.24
M	33 1,2-Dichloroethene, Total	61				128382	0.40000	0.48
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	49893	0.20000	0.21
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	715181	2.00000	(Q)
	39 Chloroform	83	10.000	10.000	(1.009)	106918	0.20000	0.23
	40 Cyclohexane	84	10.241	10.252	(0.902)	66121	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	113756	0.20000	0.24
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	114213	0.20000	0.23
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	226889	0.20000	0.23
	44 Benzene	78	10.787	10.787	(0.950)	148083	0.20000	0.22
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	74716	0.20000	0.27
	46 n-Heptane	43	11.017	11.011	(0.970)	90684	0.20000	0.16
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3588212	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	67353	0.20000	0.22
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	50431	0.20000	0.23(Q)
	54 Bromodichloromethane	83	12.456	12.467	(1.097)	103917	0.20000	0.22
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	67976	0.20000	0.21
	58 Toluene	92	13.515	13.515	(0.873)	93703	0.20000	0.19
	59 1,3-Dichloropropene (trans)	75	13.900	13.895	(1.224)	63289	0.20000	0.21
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	48638	0.20000	0.21
	61 Tetrachloroethene	166	14.280	14.285	(0.922)	77479	0.20000	0.21
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	80668	0.20000	0.19
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	76908	0.20000	0.20
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	3375203	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	118235	0.00000	0.22(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	190163	0.20000	0.20
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	143752	0.40000	0.40
M	70 Xylene, Total	106				215196	0.60000	0.60
	71 Xylene (o)	106	16.265	16.259	(1.050)	71444	0.20000	0.20
	73 Bromoform	173	16.586	16.586	(1.071)	62813	0.20000	0.18
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	113238	0.20000	0.20
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	188527	0.20000	0.20
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	153178	0.20000	0.19
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efyc003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 535109
Lab Sample ID: ccvis 535109

Date: 02-SEP-2013 12:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60773/3 Calibration Date: 09/02/2013 12:24

Instrument ID: E.i Calib Start Date: 08/28/2013 12:59

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/28/2013 21:22

Lab File ID: efyc003.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
1,2,4-Trimethylbenzene	Ave		0.0000		0.0400	0.200		30.0
Chloromethane	Ave		0.0000		0.100	0.200		30.0
Chlorobenzene	Ave	0.3212	0.3500		0.218	0.200	9.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efycWRD.b/efyc003.d
Lab Smp Id: ccvis 535109
Inj Date : 02-SEP-2013 12:24
Operator : wrd Inst ID: E.i
Smp Info : ccvis 535109
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	213788	0.20000	0.36
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	200837	0.20000	0.37
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.730	3.730	(0.376)	47780	0.20000	0.36
8 1,3-Butadiene	54	3.795	3.795	(0.383)	30821	0.20000	0.37
9 Bromomethane	94	4.394	4.399	(0.443)	59019	0.20000	0.31
10 Chloroethane	64	4.597	4.602	(0.464)	21922	0.20000	0.31
12 Vinyl bromide	106	4.977	4.982	(0.502)	62834	0.20000	0.31
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	192685	0.20000	0.30
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	101245	0.20000	0.25
19 1,1-Dichloroethene	96	6.256	6.266	(0.631)	48545	0.20000	0.22(Q)
22 Allyl chloride	41	7.058	7.063	(0.712)	57958	0.20000	0.26
25 Methylene chloride	49	7.347	7.352	(0.741)	69734	0.20000	0.33
27 1,2-Dichloroethene (trans)	61	7.786	7.786	(0.786)	78489	0.20000	0.26

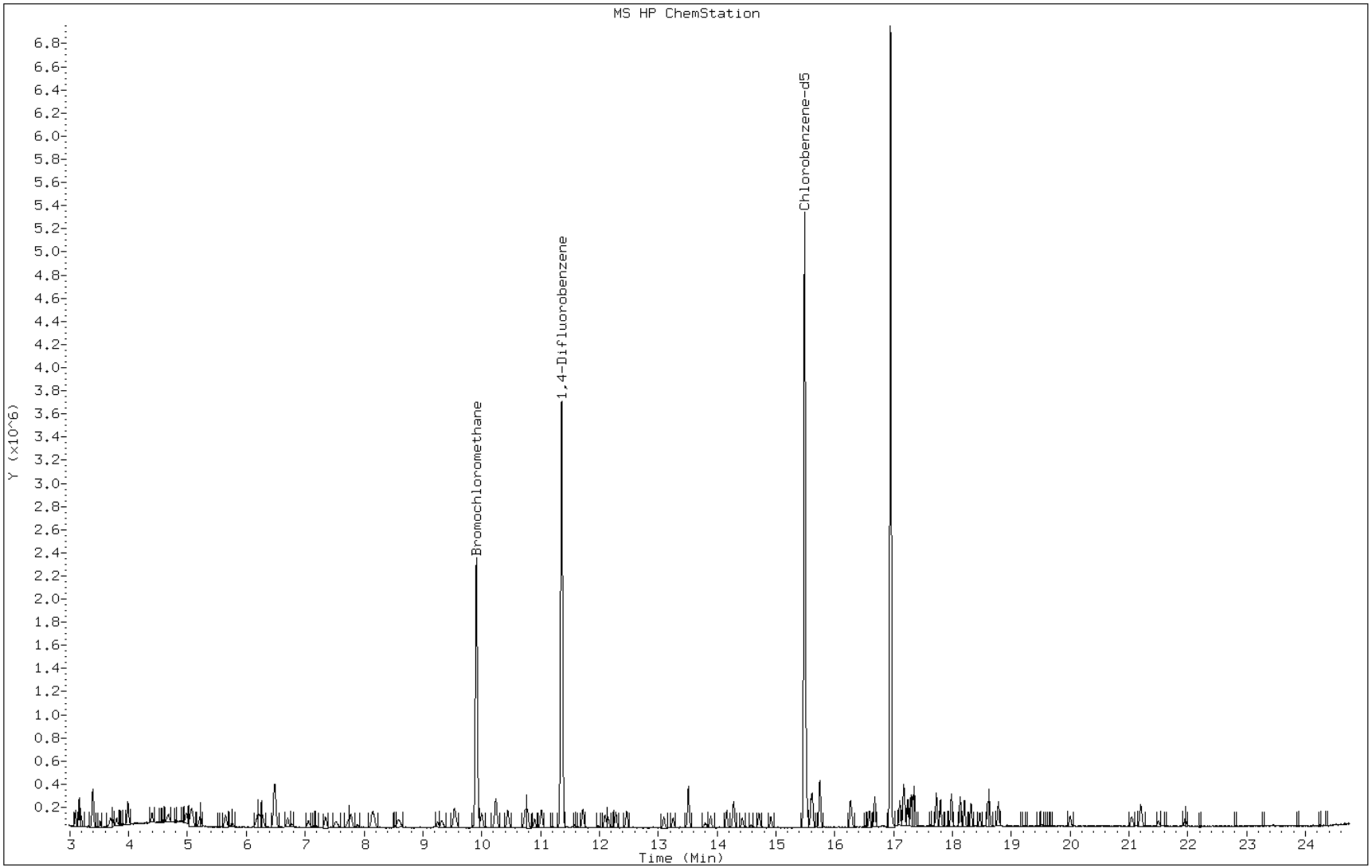
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.743	(0.780)	117021	0.20000	0.21
	30 n-Hexane	57	8.144	8.139	(0.822)	80662	0.20000	0.23
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	91837	0.20000	0.24
M	33 1,2-Dichloroethene, Total	61				128382	0.40000	0.48
	34 1,2-Dichloroethene (cis)	96	9.535	9.540	(0.962)	49893	0.20000	0.21
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	715181	2.00000	(Q)
	39 Chloroform	83	10.000	10.000	(1.009)	106918	0.20000	0.23
	40 Cyclohexane	84	10.241	10.252	(0.902)	66121	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	113756	0.20000	0.24
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	114213	0.20000	0.23
	43 2,2,4-Trimethylpentane	57	10.739	10.744	(0.945)	226889	0.20000	0.23
	44 Benzene	78	10.787	10.787	(0.950)	148083	0.20000	0.22
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	74716	0.20000	0.27
	46 n-Heptane	43	11.017	11.011	(0.970)	90684	0.20000	0.16
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3588212	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	67353	0.20000	0.22
	50 1,2-Dichloropropane	63	12.092	12.092	(1.065)	50431	0.20000	0.23(Q)
	54 Bromodichloromethane	83	12.456	12.467	(1.097)	103917	0.20000	0.22
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	67976	0.20000	0.21
	58 Toluene	92	13.515	13.515	(0.873)	93703	0.20000	0.19
	59 1,3-Dichloropropene (trans)	75	13.900	13.895	(1.224)	63289	0.20000	0.21
	60 1,1,2-Trichloroethane	83	14.168	14.157	(0.915)	48638	0.20000	0.21
	61 Tetrachloroethene	166	14.280	14.285	(0.922)	77479	0.20000	0.21
	63 Dibromochloromethane	129	14.713	14.713	(0.950)	80668	0.20000	0.19
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	76908	0.20000	0.20
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	3375203	2.00000	
	66 Chlorobenzene	112	15.527	15.585	(1.002)	118235	0.00000	0.22(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	190163	0.20000	0.20
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	143752	0.40000	0.40
M	70 Xylene, Total	106				215196	0.60000	0.60
	71 Xylene (o)	106	16.265	16.259	(1.050)	71444	0.20000	0.20
	73 Bromoform	173	16.586	16.586	(1.071)	62813	0.20000	0.18
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	113238	0.20000	0.20
	79 4-Ethyltoluene	105	17.297	17.297	(1.117)	188527	0.20000	0.20
	81 1,3,5-Trimethylbenzene	105	17.361	17.361	(1.121)	153178	0.20000	0.19
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efyc003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 535109
Lab Sample ID: ccvis 535109

Date: 02-SEP-2013 12:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efyc003.d
Lab Sample ID: ccvis 535109
Inj. Date and Time: 02-SEP-2013 12:24
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

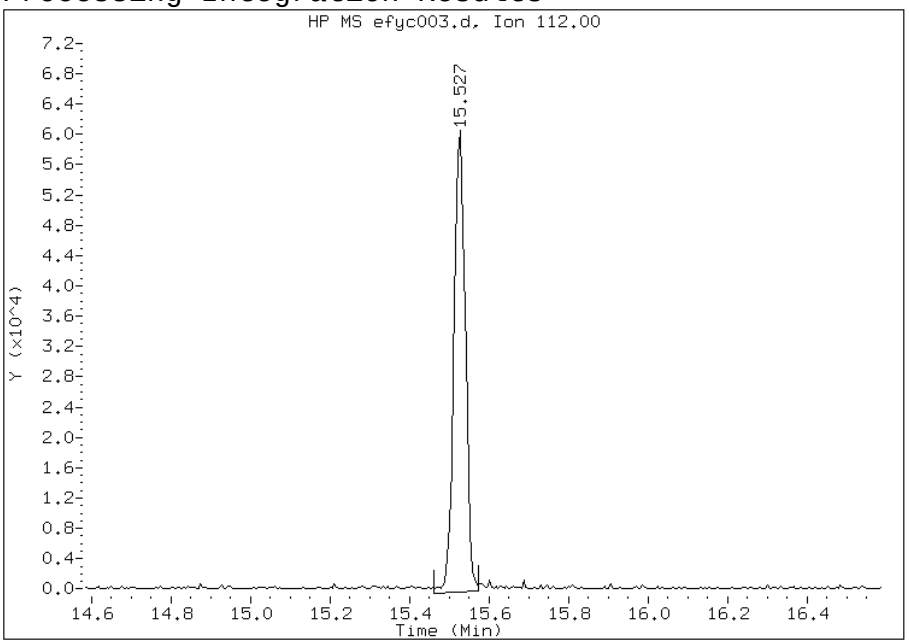
Processing Integration Results

RT: 15.53

Response: 124152

Amount: 0.229067

Conc: 0.229067



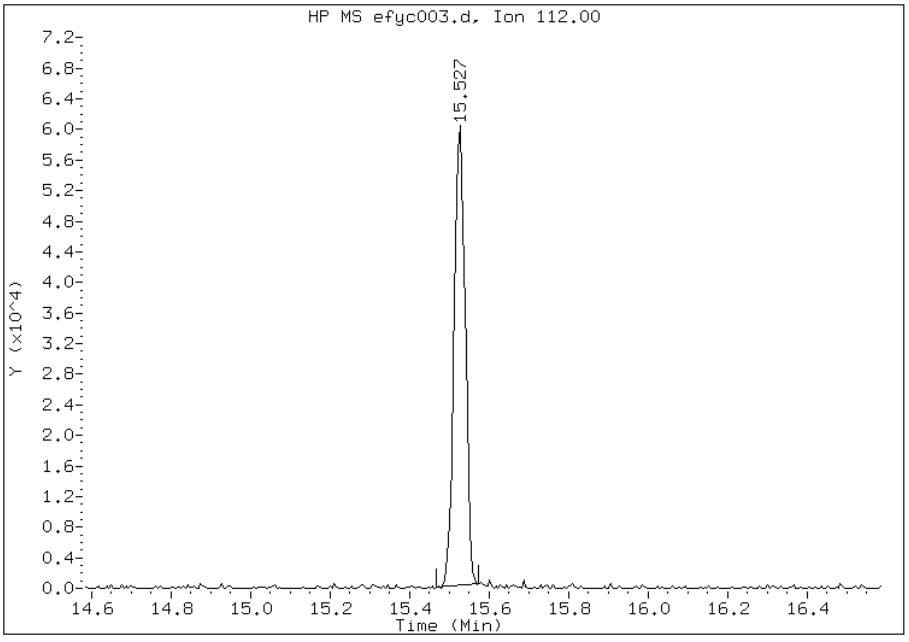
Manual Integration Results

RT: 15.53

Response: 118235

Amount: 0.218151

Conc: 0.218151



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efyto15.b/efy001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 28-AUG-2013 10:18
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

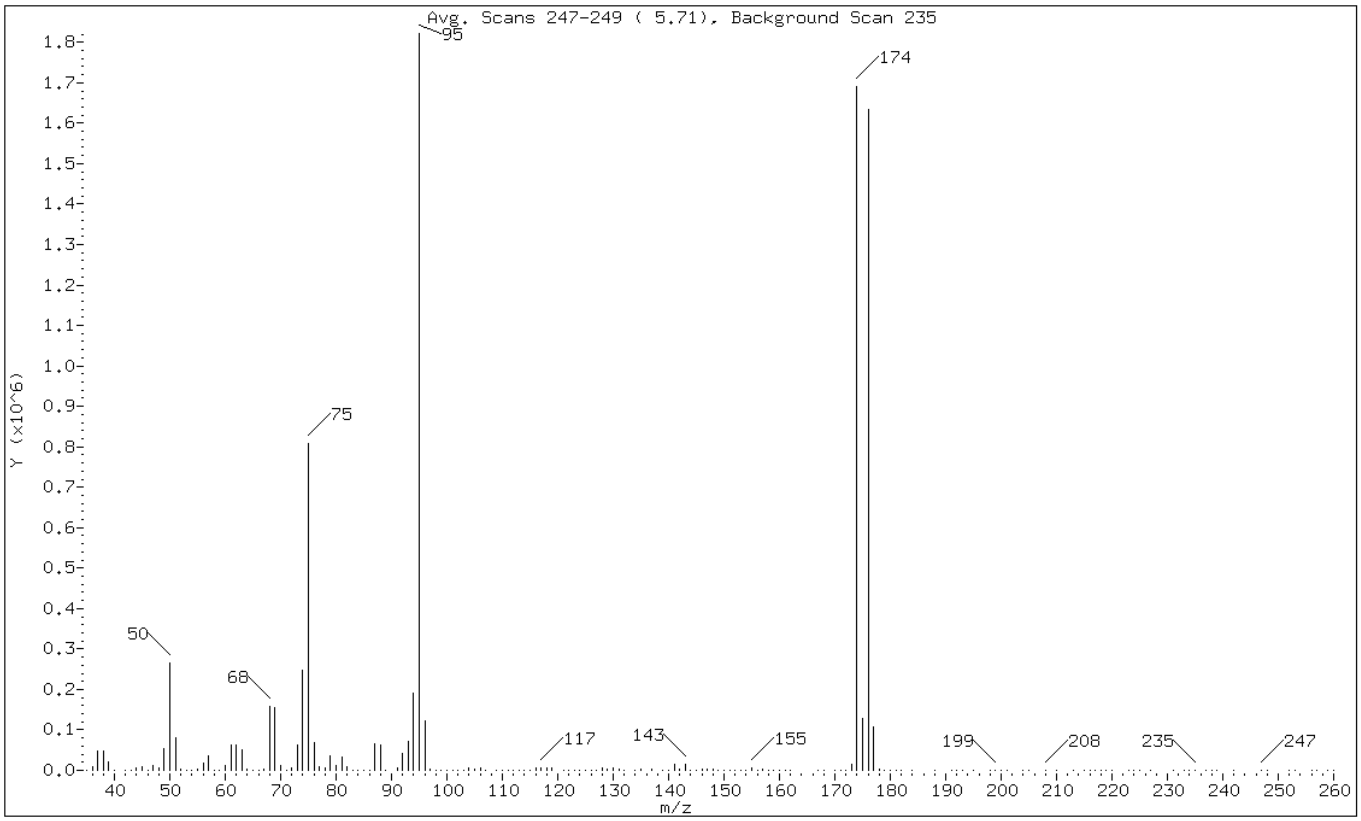
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.708	5.750	-0.042	95	1822186			100.00- 100.00	100.00
5.708	5.750	-0.042	50	266232			8.00- 40.00	14.61
5.708	5.750	-0.042	75	807562			30.00- 66.00	44.32
5.708	5.750	-0.042	96	121377			5.00- 9.00	6.66
5.708	5.750	-0.042	173	14568			0.00- 2.00	0.86
5.708	5.750	-0.042	174	1692095			50.00- 120.00	92.86
5.708	5.750	-0.042	175	127904			4.00- 9.00	7.56
5.708	5.750	-0.042	176	1635161			93.00- 101.00	96.64
5.708	5.750	-0.042	177	108549			5.00- 9.00	6.64

Data File: efy001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 28-AUG-2013 10:18
Instrument: E.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	14.61
75	30.00 - 66.00% of mass 95	44.32
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.80 (0.86)
174	50.00 - 120.00% of mass 95	92.86
175	4.00 - 9.00% of mass 174	7.02 (7.56)
176	93.00 - 101.00% of mass 174	89.74 (96.64)
177	5.00 - 9.00% of mass 176	5.96 (6.64)

Data File: efy001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

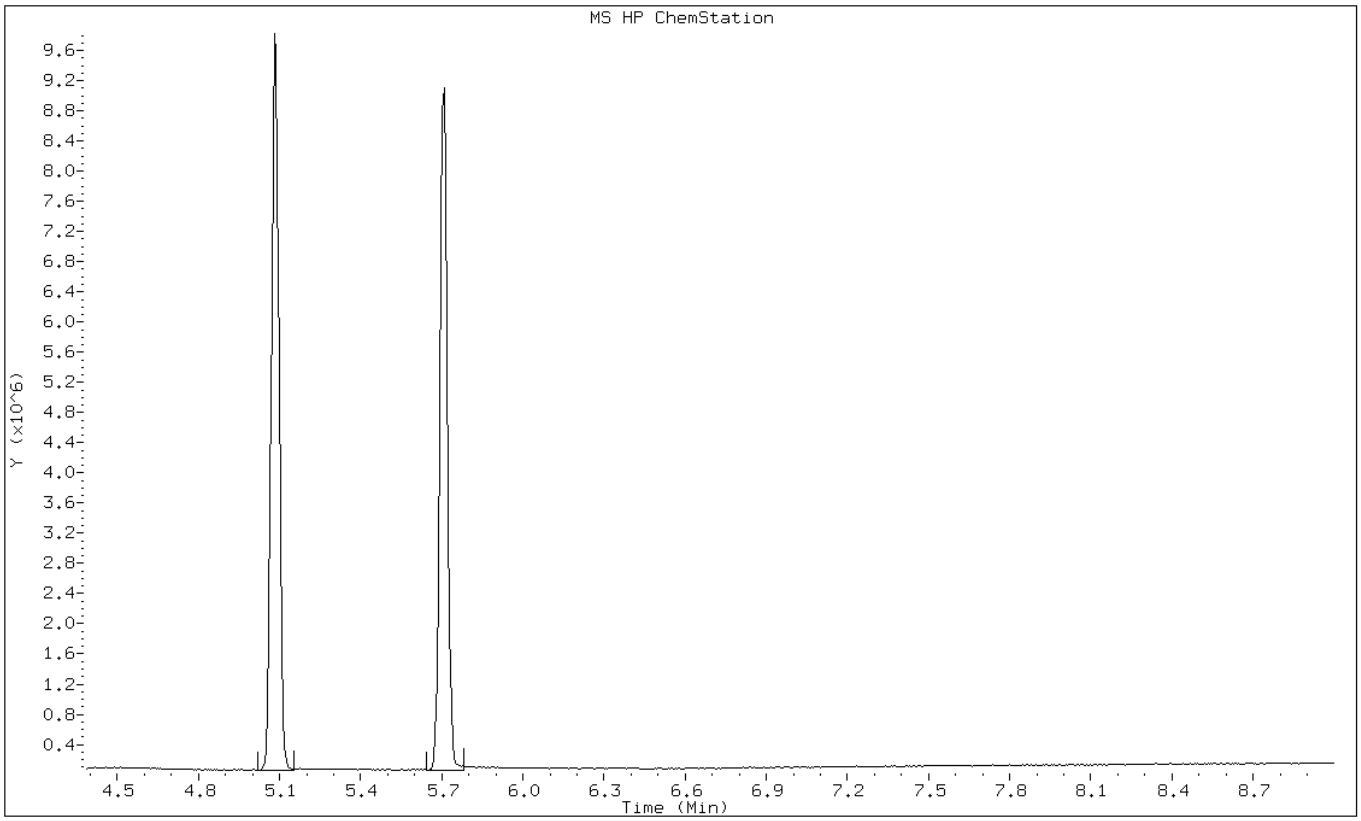
Date: 28-AUG-2013 10:18
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efyto15.b/efy001.d
Spectrum: Avg. Scans 247-249 (5.71), Background Scan 235
Location of Maximum: 95.00
Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	355	81.00	32880	129.00	3004	182.00	51
36.00	8987	82.00	8118	130.00	6290	184.00	257
37.00	47984	83.00	267	131.00	1991	188.00	55
38.00	47384	84.00	297	132.00	210	191.00	107
39.00	20040	85.00	489	134.00	308	192.00	161
40.00	88	86.00	825	135.00	2403	193.00	10
42.00	49	87.00	65096	137.00	2101	195.00	103
43.00	527	88.00	62056	139.00	607	198.00	56
44.00	4983	89.00	570	140.00	1321	199.00	167
45.00	9982	91.00	4562	141.00	14566	200.00	77
46.00	654	92.00	42368	142.00	1970	201.00	165
47.00	12796	93.00	70888	143.00	14606	204.00	158
48.00	6240	94.00	191360	144.00	842	205.00	197
49.00	52504	95.00	1821696	145.00	972	208.00	409
50.00	266176	96.00	121376	146.00	2338	210.00	56
51.00	79184	97.00	3213	147.00	1763	213.00	53
52.00	3209	98.00	307	148.00	4358	215.00	116
53.00	68	99.00	106	149.00	821	216.00	84
54.00	198	100.00	165	150.00	1415	217.00	192
55.00	3779	101.00	68	151.00	118	218.00	67
56.00	17624	102.00	72	152.00	842	219.00	229
57.00	35040	103.00	418	153.00	988	220.00	185
58.00	1001	104.00	5855	154.00	859	223.00	220
59.00	263	105.00	1966	155.00	4544	224.00	60
60.00	11425	106.00	5477	156.00	318	225.00	77
61.00	63000	107.00	1464	157.00	2954	227.00	53
62.00	63584	109.00	299	158.00	293	231.00	118
63.00	50160	110.00	1047	159.00	1206	233.00	58
64.00	3908	111.00	1222	160.00	293	234.00	96
65.00	224	112.00	809	161.00	1332	235.00	309
66.00	305	113.00	1486	162.00	264	237.00	99
67.00	4128	114.00	668	167.00	79	238.00	102
68.00	159424	115.00	1335	168.00	69	239.00	221
69.00	155392	116.00	5476	170.00	170	242.00	62
70.00	11103	117.00	7366	171.00	68	247.00	246
71.00	308	118.00	4828	172.00	162	248.00	68
72.00	6533	119.00	6455	173.00	14568	252.00	134
73.00	62136	121.00	523	174.00	1691648	253.00	121
74.00	248320	122.00	400	175.00	127904	256.00	60
75.00	807552	123.00	258	176.00	1634816	257.00	78
76.00	69456	124.00	911	177.00	108544	259.00	74
77.00	9066	125.00	657	178.00	2611	260.00	62
78.00	5506	126.00	637	179.00	158		

79.00	34416	127.00	352	180.00	145		
80.00	12310	128.00	6853	181.00	121		

Data File:	efy001.d	Date:	28-AUG-2013 10:18
Client ID:	BFB	Instrument:	E.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/E.i/Esvr.p/efyto15.b/efy001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 28-AUG-2013 10:18
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/E.i/Esvr.p/efyto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

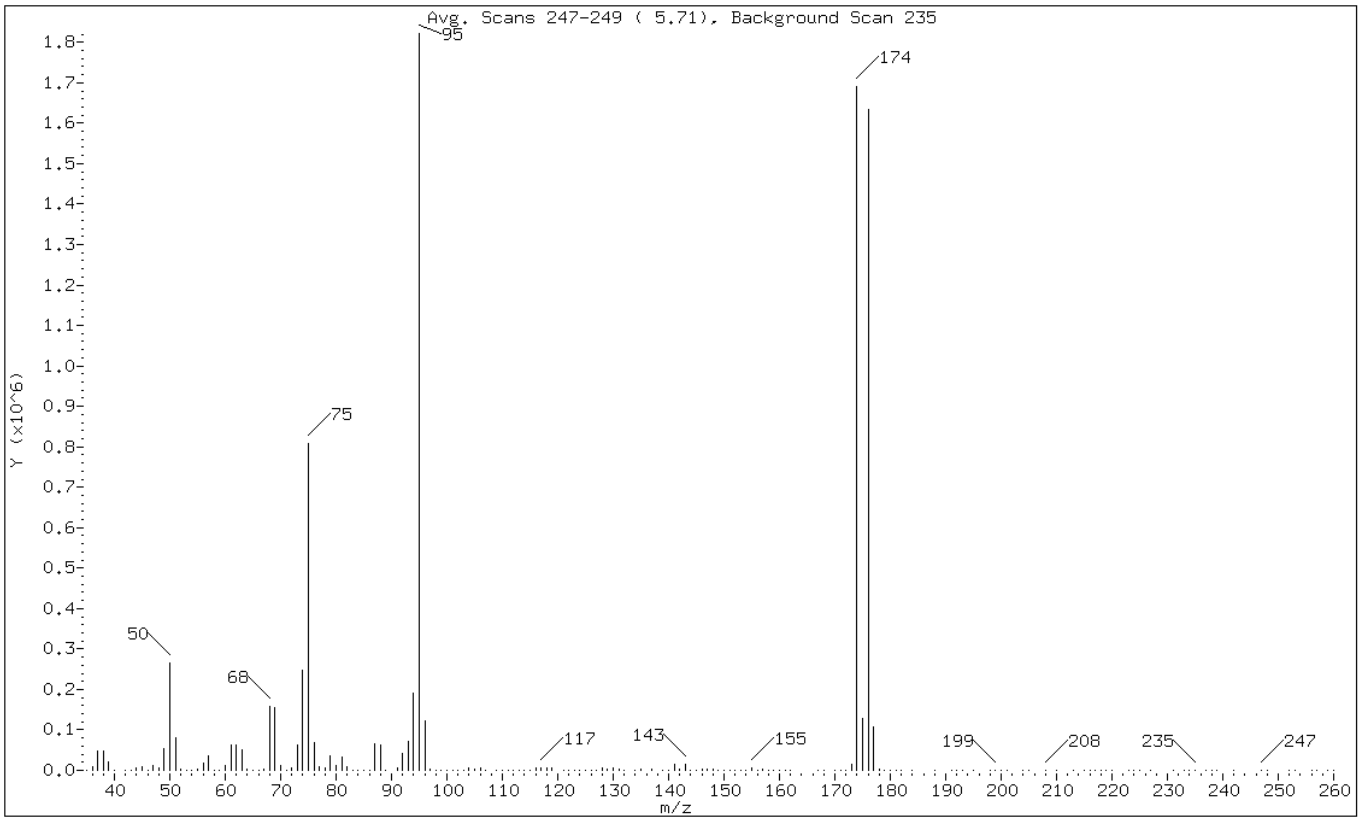
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.708	5.750	-0.042	95	1822186			100.00- 100.00	100.00
5.708	5.750	-0.042	50	266232			8.00- 40.00	14.61
5.708	5.750	-0.042	75	807562			30.00- 66.00	44.32
5.708	5.750	-0.042	96	121377			5.00- 9.00	6.66
5.708	5.750	-0.042	173	14568			0.00- 2.00	0.86
5.708	5.750	-0.042	174	1692095			50.00- 120.00	92.86
5.708	5.750	-0.042	175	127904			4.00- 9.00	7.56
5.708	5.750	-0.042	176	1635161			93.00- 101.00	96.64
5.708	5.750	-0.042	177	108549			5.00- 9.00	6.64

Data File: efy001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 28-AUG-2013 10:18
Instrument: E.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	14.61
75	30.00 - 66.00% of mass 95	44.32
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.80 (0.86)
174	50.00 - 120.00% of mass 95	92.86
175	4.00 - 9.00% of mass 174	7.02 (7.56)
176	93.00 - 101.00% of mass 174	89.74 (96.64)
177	5.00 - 9.00% of mass 176	5.96 (6.64)

Data File: efy001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

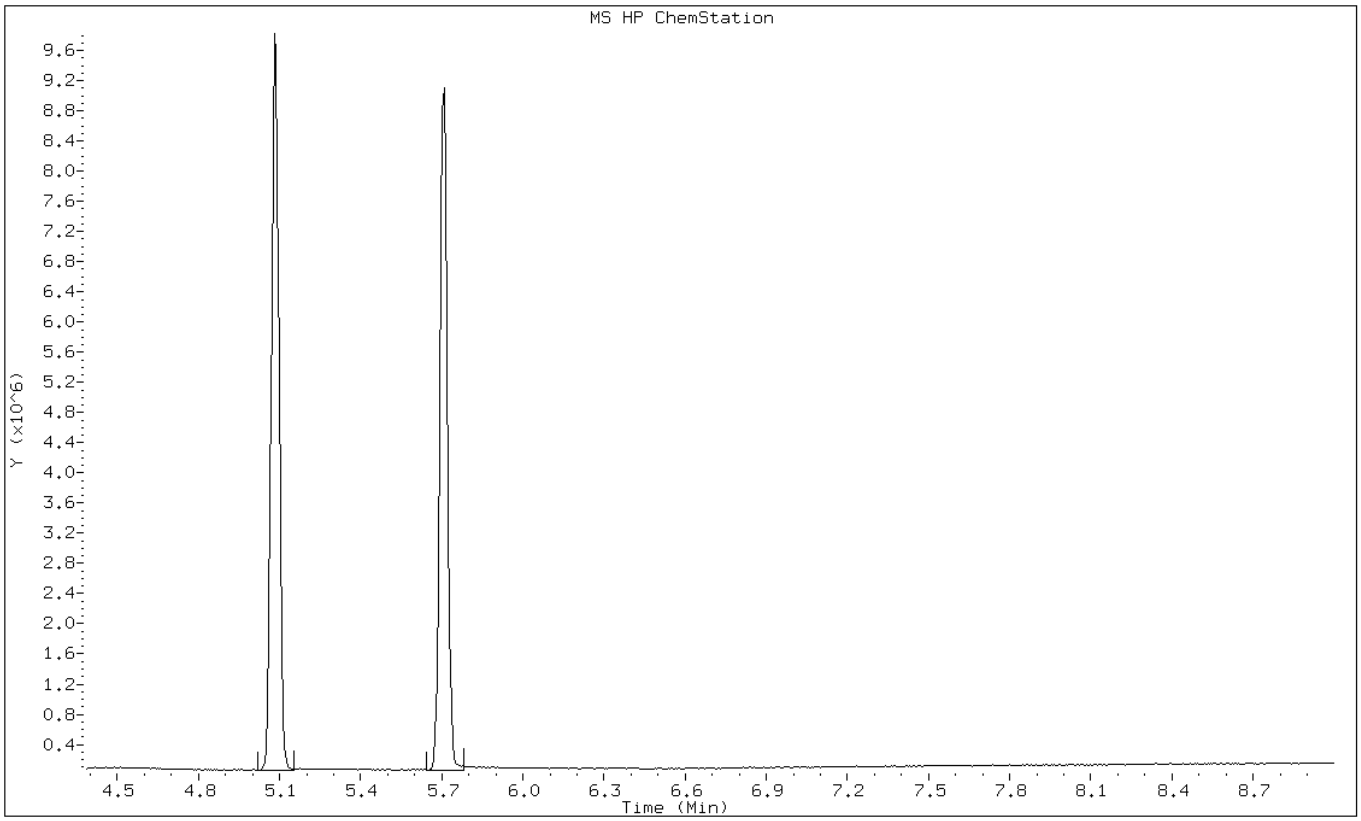
Date: 28-AUG-2013 10:18
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efyWRD.b/efy001.d
Spectrum: Avg. Scans 247-249 (5.71), Background Scan 235
Location of Maximum: 95.00
Number of points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	355	81.00	32880	129.00	3004	182.00	51
36.00	8987	82.00	8118	130.00	6290	184.00	257
37.00	47984	83.00	267	131.00	1991	188.00	55
38.00	47384	84.00	297	132.00	210	191.00	107
39.00	20040	85.00	489	134.00	308	192.00	161
40.00	88	86.00	825	135.00	2403	193.00	10
42.00	49	87.00	65096	137.00	2101	195.00	103
43.00	527	88.00	62056	139.00	607	198.00	56
44.00	4983	89.00	570	140.00	1321	199.00	167
45.00	9982	91.00	4562	141.00	14566	200.00	77
46.00	654	92.00	42368	142.00	1970	201.00	165
47.00	12796	93.00	70888	143.00	14606	204.00	158
48.00	6240	94.00	191360	144.00	842	205.00	197
49.00	52504	95.00	1821696	145.00	972	208.00	409
50.00	266176	96.00	121376	146.00	2338	210.00	56
51.00	79184	97.00	3213	147.00	1763	213.00	53
52.00	3209	98.00	307	148.00	4358	215.00	116
53.00	68	99.00	106	149.00	821	216.00	84
54.00	198	100.00	165	150.00	1415	217.00	192
55.00	3779	101.00	68	151.00	118	218.00	67
56.00	17624	102.00	72	152.00	842	219.00	229
57.00	35040	103.00	418	153.00	988	220.00	185
58.00	1001	104.00	5855	154.00	859	223.00	220
59.00	263	105.00	1966	155.00	4544	224.00	60
60.00	11425	106.00	5477	156.00	318	225.00	77
61.00	63000	107.00	1464	157.00	2954	227.00	53
62.00	63584	109.00	299	158.00	293	231.00	118
63.00	50160	110.00	1047	159.00	1206	233.00	58
64.00	3908	111.00	1222	160.00	293	234.00	96
65.00	224	112.00	809	161.00	1332	235.00	309
66.00	305	113.00	1486	162.00	264	237.00	99
67.00	4128	114.00	668	167.00	79	238.00	102
68.00	159424	115.00	1335	168.00	69	239.00	221
69.00	155392	116.00	5476	170.00	170	242.00	62
70.00	11103	117.00	7366	171.00	68	247.00	246
71.00	308	118.00	4828	172.00	162	248.00	68
72.00	6533	119.00	6455	173.00	14568	252.00	134
73.00	62136	121.00	523	174.00	1691648	253.00	121
74.00	248320	122.00	400	175.00	127904	256.00	60
75.00	807552	123.00	258	176.00	1634816	257.00	78
76.00	69456	124.00	911	177.00	108544	259.00	74
77.00	9066	125.00	657	178.00	2611	260.00	62
78.00	5506	126.00	637	179.00	158		

79.00	34416	127.00	352	180.00	145		
80.00	12310	128.00	6853	181.00	121		

Data File:	efy001.d	Date:	28-AUG-2013 10:18
Client ID:	BFB	Instrument:	E.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/E.i/Esvr.p/efycto15.b/efyc001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 02-SEP-2013 10:39
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/E.i/Esvr.p/efycto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

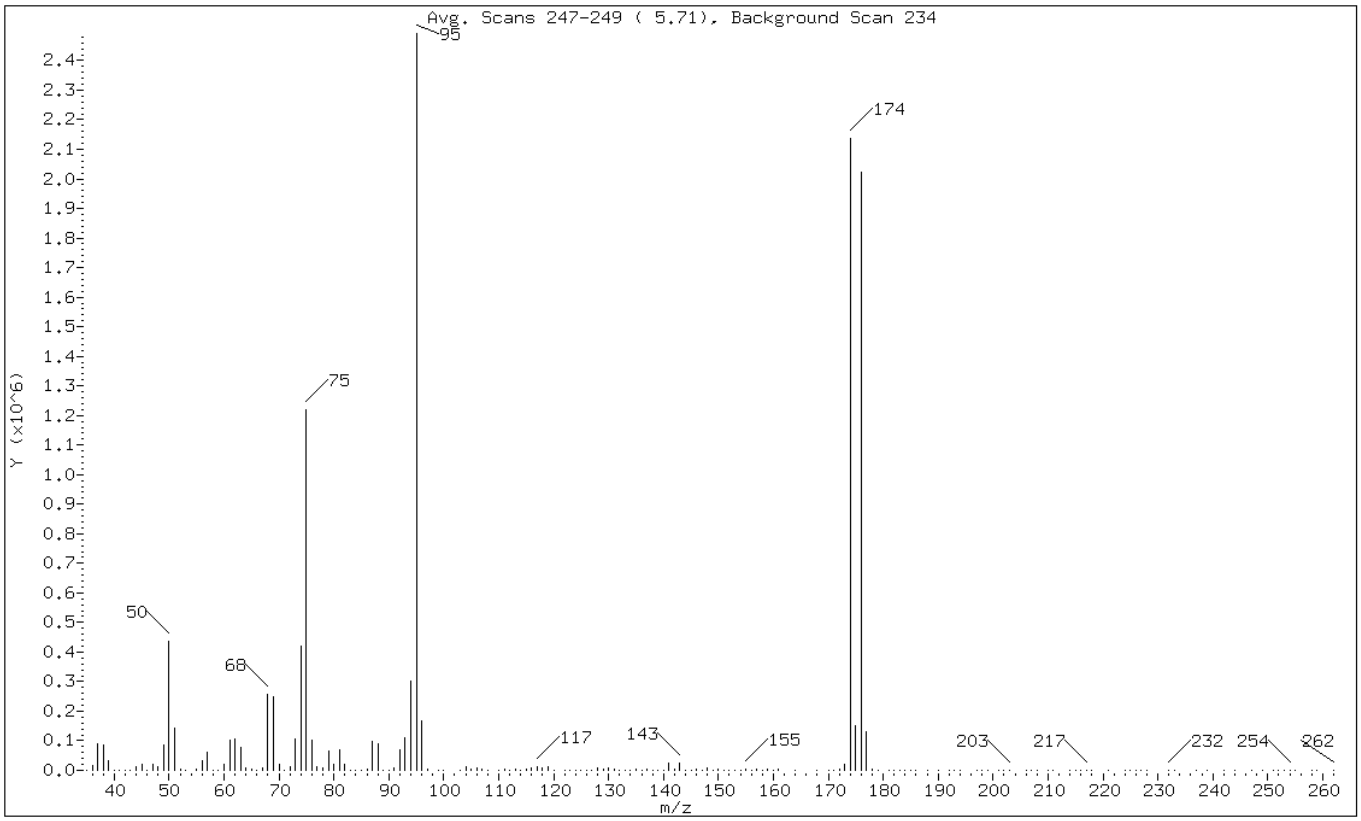
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.708	5.750	-0.042	95	2491551			100.00- 100.00	100.00
5.708	5.750	-0.042	50	436675			8.00- 40.00	17.53
5.708	5.750	-0.042	75	1221605			30.00- 66.00	49.03
5.708	5.750	-0.042	96	166863			5.00- 9.00	6.70
5.708	5.750	-0.042	173	21126			0.00- 2.00	0.99
5.708	5.750	-0.042	174	2135381			50.00- 120.00	85.70
5.708	5.750	-0.042	175	152673			4.00- 9.00	7.15
5.708	5.750	-0.042	176	2021336			93.00- 101.00	94.66
5.708	5.750	-0.042	177	132176			5.00- 9.00	6.54

Data File: efyc001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 02-SEP-2013 10:39
Instrument: E.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	17.53
75	30.00 - 66.00% of mass 95	49.03
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.85 (0.99)
174	50.00 - 120.00% of mass 95	85.70
175	4.00 - 9.00% of mass 174	6.13 (7.15)
176	93.00 - 101.00% of mass 174	81.13 (94.66)
177	5.00 - 9.00% of mass 176	5.30 (6.54)

Data File: efyc001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

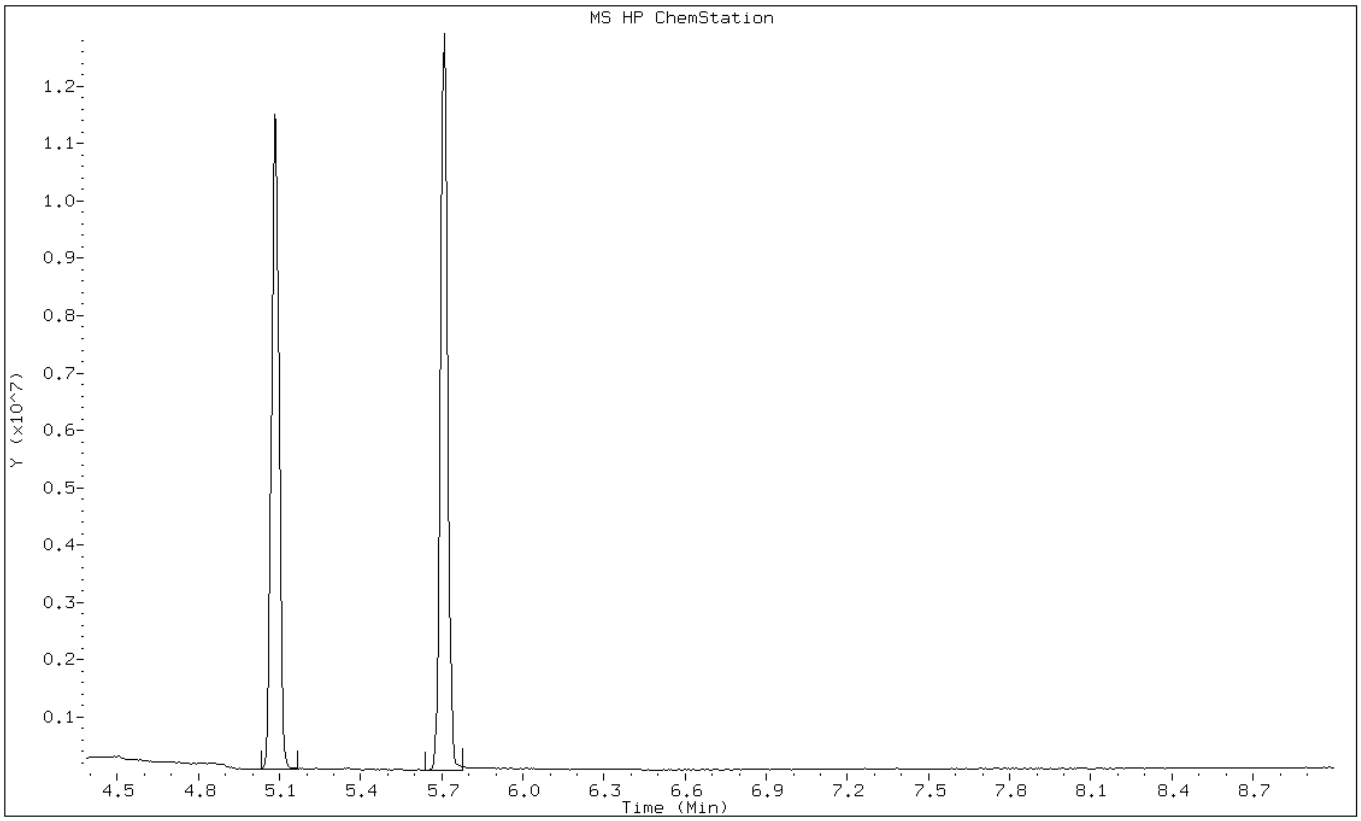
Date: 02-SEP-2013 10:39
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efycWRD.b/efyc001.d
Spectrum: Avg. Scans 247-249 (5.71), Background Scan 234
Location of Maximum: 95.00
Number of points: 182

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	64	82.00	18752	133.00	424	186.00	74
36.00	14676	83.00	1406	134.00	1089	188.00	60
37.00	89528	84.00	230	135.00	4661	190.00	88
38.00	84056	85.00	75	136.00	452	192.00	170
39.00	33968	86.00	2578	137.00	3836	193.00	28
40.00	1486	87.00	97672	138.00	309	194.00	51
41.00	1629	88.00	90976	139.00	1245	197.00	110
42.00	378	89.00	437	140.00	1266	198.00	216
43.00	196	90.00	257	141.00	22688	199.00	143
44.00	10840	91.00	7815	142.00	2177	201.00	213
45.00	19016	92.00	70136	143.00	24008	202.00	115
46.00	1045	93.00	109104	144.00	732	203.00	312
47.00	20472	94.00	302080	145.00	1402	206.00	82
48.00	11318	95.00	2491392	146.00	3722	207.00	272
49.00	87504	96.00	166848	147.00	1124	208.00	201
50.00	436672	97.00	4319	148.00	6532	210.00	41
51.00	141760	99.00	224	149.00	1075	211.00	259
52.00	5556	100.00	104	150.00	2310	214.00	54
53.00	634	103.00	770	151.00	34	215.00	62
55.00	4678	104.00	11062	152.00	1127	216.00	198
56.00	32032	105.00	3097	153.00	1933	217.00	317
57.00	60048	106.00	10021	154.00	1190	218.00	180
58.00	1980	107.00	2287	155.00	5552	221.00	62
59.00	460	108.00	147	156.00	1106	224.00	66
60.00	19360	110.00	1214	157.00	4092	225.00	68
61.00	100472	111.00	2180	158.00	299	226.00	124
62.00	105360	112.00	1362	159.00	2561	227.00	78
63.00	78264	113.00	2177	160.00	387	228.00	57
64.00	7532	114.00	602	161.00	2409	232.00	256
65.00	2343	115.00	2128	164.00	171	233.00	256
66.00	437	116.00	7277	168.00	309	237.00	55
67.00	6283	117.00	13538	170.00	171	239.00	68
68.00	258304	118.00	8389	171.00	1250	242.00	83
69.00	249024	119.00	12765	172.00	4203	244.00	209
70.00	20576	120.00	307	173.00	21120	247.00	14
71.00	639	122.00	681	174.00	2135040	249.00	32
72.00	12685	123.00	509	175.00	152640	251.00	187
73.00	106768	124.00	1450	176.00	2020864	252.00	64
74.00	421632	125.00	840	177.00	132160	253.00	106
75.00	1221120	126.00	710	178.00	3921	254.00	284
76.00	103792	127.00	1253	179.00	317	255.00	214
77.00	11255	128.00	8164	181.00	110	258.00	54
78.00	7380	129.00	4201	182.00	80	259.00	62

79.00	66144	130.00	7908	183.00	153	262.00	58
80.00	22160	131.00	4256	184.00	53		
81.00	70624	132.00	589	185.00	91		

Data File:	efyc001.d	Date:	02-SEP-2013 10:39
Client ID:	BFB	Instrument:	E.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: MB 200-60773/5

Matrix: Air Lab File ID: efyc005.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 09/02/2013 14:15

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.: 60773 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.020	U	0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
71-43-2	Benzene	78.11	0.010	U	0.010	0.010
79-01-6	Trichloroethene	131.39	0.010	U	0.010	0.010
108-88-3	Toluene	92.14	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.010	U	0.010	0.010
100-41-4	Ethylbenzene	106.17	0.010	U	0.010	0.010
95-47-6	o-Xylene	106.17	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.010	U	0.010	0.010
108-90-7	Chlorobenzene	112.56	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: MB 200-60773/5

Matrix: Air Lab File ID: efyc005.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 09/02/2013 14:15

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.: 60773 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.051	U	0.051	0.051
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
71-43-2	Benzene	78.11	0.032	U	0.032	0.032
79-01-6	Trichloroethene	131.39	0.054	U	0.054	0.054
108-88-3	Toluene	92.14	0.038	U	0.038	0.038
127-18-4	Tetrachloroethene	165.83	0.068	U	0.068	0.068
100-41-4	Ethylbenzene	106.17	0.043	U	0.043	0.043
95-47-6	o-Xylene	106.17	0.043	U	0.043	0.043
179601-23-1	m-Xylene & p-Xylene	106.17	0.087	U	0.087	0.087
1330-20-7	Xylenes, Total	106.17	0.043	U	0.043	0.043
108-90-7	Chlorobenzene	112.56	0.18	U	0.18	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efycWRD.b/efyc005.d
Lab Smp Id: mb
Inj Date : 02-SEP-2013 14:15
Operator : wrd Inst ID: E.i
Smp Info : mb
Misc Info : 500,1
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	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.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.357	7.352	(0.742)	8680	0.03361	0.034(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

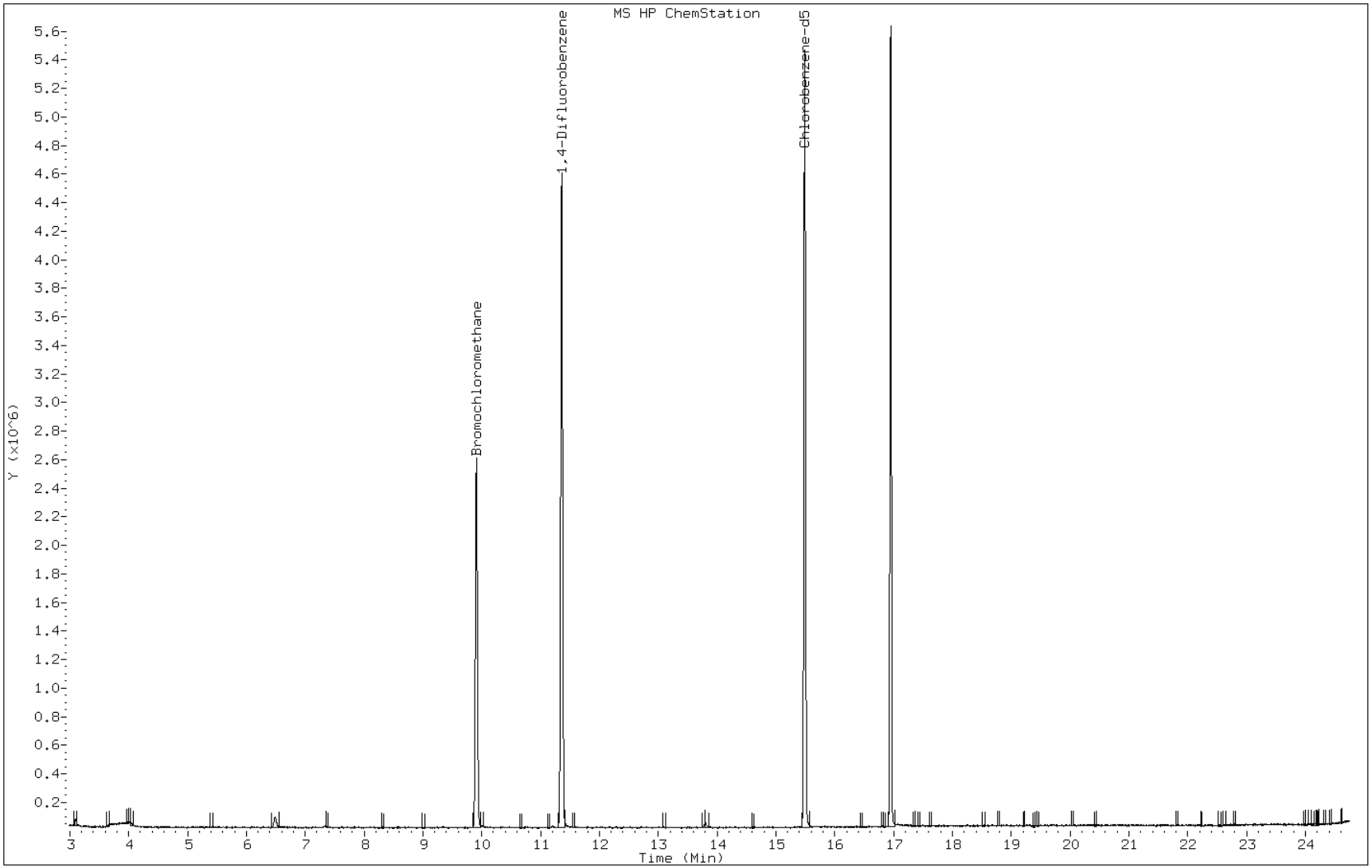
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	865380	2.00000	
	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	11.359	11.359	(1.000)	4529719	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	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	15.489	15.489	(1.000)	3514191	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylene, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	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.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: efyc005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 02-SEP-2013 14:15
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: LCS 200-60773/4

Matrix: Air Lab File ID: efyc004.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 09/02/2013 13:20

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.: 60773 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.370		0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.209		0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.247		0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.204		0.010	0.010
71-43-2	Benzene	78.11	0.211		0.010	0.010
79-01-6	Trichloroethene	131.39	0.205		0.010	0.010
108-88-3	Toluene	92.14	0.190		0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.205		0.010	0.010
100-41-4	Ethylbenzene	106.17	0.209		0.010	0.010
95-47-6	o-Xylene	106.17	0.198		0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.415		0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.613		0.010	0.010
108-90-7	Chlorobenzene	112.56	0.219		0.040	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efycWRD.b/efyc004.d
Lab Smp Id: lcs 535161
Inj Date : 02-SEP-2013 13:20
Operator : wrd Inst ID: E.i
Smp Info : lcs 535161
Misc Info : 500,1
Comment :
Method : /chem/E.i/Esvr.p/efycWRD.b/to15ll3t.m
Meth Date : 06-Sep-2013 11:33 wrd Quant Type: ISTD
Cal Date : 28-AUG-2013 21:22 Cal File: efy013.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.158	(0.319)	200039	0.34186	0.34(R)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	186064	0.34960	0.35(R)
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.731	3.730	(0.376)	48342	0.36980	0.37(R)
8 1,3-Butadiene	54	3.789	3.795	(0.382)	29051	0.35337	0.35
9 Bromomethane	94	4.405	4.399	(0.444)	55854	0.29633	0.30(R)
10 Chloroethane	64	4.603	4.602	(0.464)	19866	0.28078	0.28(R)
12 Vinyl bromide	106	4.982	4.982	(0.503)	59279	0.29266	0.29(R)
13 Trichlorofluoromethane	101	5.079	5.079	(0.512)	184783	0.29385	0.29(R)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.207	(0.626)	95996	0.23700	0.24
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	45452	0.20850	0.21
22 Allyl chloride	41	7.058	7.063	(0.712)	50203	0.22414	0.22
25 Methylene chloride	49	7.342	7.352	(0.741)	62398	0.29555	0.30(R)
27 1,2-Dichloroethene (trans)	61	7.780	7.786	(0.785)	72501	0.24665	0.25

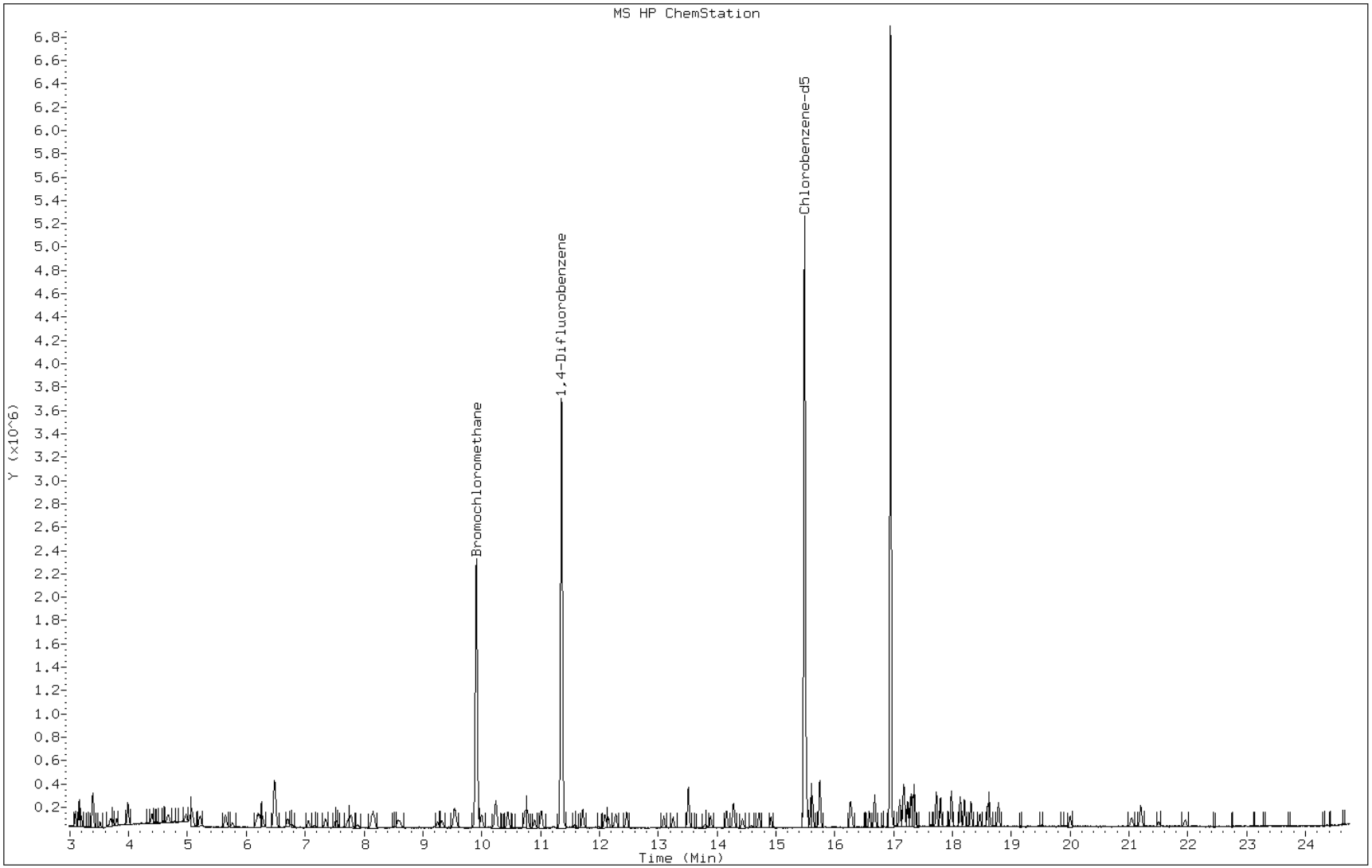
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.737	7.743	(0.781)	119960	0.21610	0.22
	30 n-Hexane	57	8.139	8.139	(0.821)	76493	0.21755	0.22
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	82974	0.21568	0.22
M	33 1,2-Dichloroethene, Total	61				119493	0.45087	0.45
	34 1,2-Dichloroethene (cis)	96	9.530	9.540	(0.962)	46992	0.20422	0.20
*	36 Bromochloromethane	128	9.909	9.909	(1.000)	707511	2.00000	(Q)
	39 Chloroform	83	9.995	10.000	(1.009)	102444	0.22711	0.23
	40 Cyclohexane	84	10.246	10.252	(0.902)	61054	0.19113	0.19
	41 1,1,1-Trichloroethane	97	10.241	10.246	(0.902)	106923	0.23102	0.23
	42 Carbon tetrachloride	117	10.444	10.444	(0.919)	99608	0.20951	0.21
	43 2,2,4-Trimethylpentane	57	10.744	10.744	(0.946)	219404	0.22819	0.23
	44 Benzene	78	10.781	10.787	(0.949)	135231	0.21056	0.21
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	70799	0.26386	0.26(R)
	46 n-Heptane	43	11.017	11.011	(0.970)	78823	0.14697	0.15
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3506079	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	60868	0.20479	0.20
	50 1,2-Dichloropropane	63	12.097	12.092	(1.065)	49641	0.22901	0.23(Q)
	54 Bromodichloromethane	83	12.461	12.467	(1.097)	105023	0.23318	0.23
	55 1,3-Dichloropropene (cis)	75	13.092	13.098	(1.153)	64802	0.20529	0.20
	58 Toluene	92	13.510	13.515	(0.872)	88610	0.18986	0.19
	59 1,3-Dichloropropene (trans)	75	13.890	13.895	(1.223)	60887	0.20590	0.20
	60 1,1,2-Trichloroethane	83	14.162	14.157	(0.914)	44433	0.20043	0.20
	61 Tetrachloroethene	166	14.285	14.285	(0.922)	73585	0.20477	0.20
	63 Dibromochloromethane	129	14.719	14.713	(0.950)	79971	0.19713	0.20
	64 1,2-Dibromoethane	107	14.917	14.917	(0.963)	77640	0.21242	0.21
*	65 Chlorobenzene-d5	117	15.489	15.489	(1.000)	3257686	2.00000	
	66 Chlorobenzene	112	15.521	15.585	(1.002)	114371	0.21863	0.22(QM)
	67 Ethylbenzene	91	15.596	15.596	(1.007)	191883	0.20946	0.21
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	143238	0.41516	0.42
M	70 Xylene, Total	106				210546	0.61305	0.61
	71 Xylene (o)	106	16.265	16.259	(1.050)	67308	0.19789	0.20
	73 Bromoform	173	16.586	16.586	(1.071)	63029	0.18372	0.18
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.105	(1.104)	118981	0.22034	0.22
	79 4-Ethyltoluene	105	17.292	17.297	(1.116)	195260	0.22082	0.22
	81 1,3,5-Trimethylbenzene	105	17.362	17.361	(1.121)	159948	0.21041	0.21
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: efyc004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 535161
Lab Sample ID: lcs 535161

Date: 02-SEP-2013 13:20
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



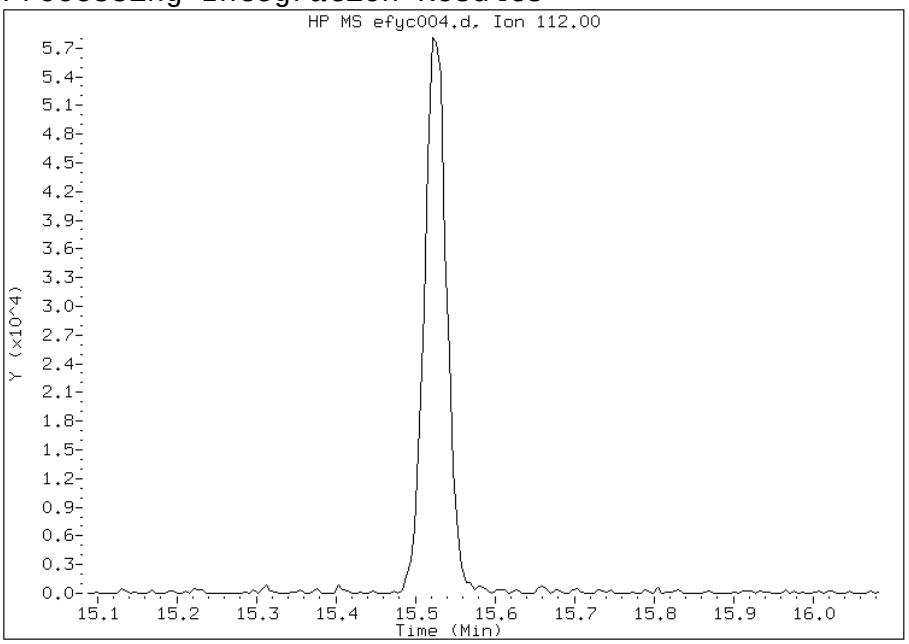
Manual Integration Report

Data File: efyc004.d
Lab Sample ID: lcs 535161
Inj. Date and Time: 02-SEP-2013 13:20
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 09/06/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



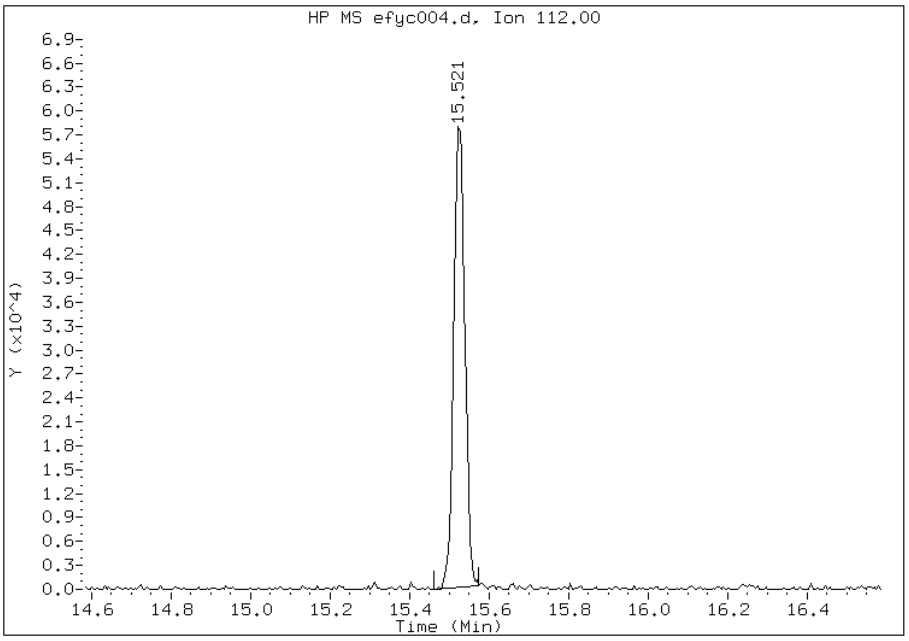
Manual Integration Results

RT: 15.52

Response: 114371

Amount: 0.218634

Conc: 0.218634



File Uploaded By: wrd
Manual Integration Reason: Peak not found by the data system

60768
60577

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	EFY	Start Date:	8/28/13 Time: 1018	ISTD Lot #:	248059	Instrument ID: E
Test Method:	TO15LL	End Date:	8/28/13 Time: 1018	CAL STD Lot #	see comment	Instrument: 5973
ICAL Date:				ICV / LCS Lot #	535161	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1018	EFY001		LFB	NA			WD	NA		WD	
1108	02	4583	VBLK		2	500					
1203	03	4583	VBLK		2	500					
1259	04	5401	IC		3	100			✓		536030
1355	05	5401	IC		3	200			✓		|
1452	06	5401	IC		3	400			✓		|
1548	07	4543	IC		4	100			✓		532191
1644	08	4543	ICV		4	200			✓		|
1740	09	4543	IC		4	500			✓		|
1836	10	3035	IC		5	25			✓		531973
1932	11	3035	IC		5	100			✓		|
2027	12	3035	IC		5	150			✓		|
2122	13	3035	IC		5	200			✓		|
2217	14	4583	VBLK		2	500			✓		
2312	15	4583	VBLK		2	500			✓		
0007	16	5426	ICV		6	200			✓		
0102	17	4583	MB	—	2	500	—	✓	✓	✓	

8/29/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

60223
60623

GC/MS INSTRUMENT RUN LOG

Sequence				Standard Traceability		Instrument Information
Batch ID:	EFVE	Start Date: 9/2/13	Time: 1039	ISTD Lot #:	2118059	Instrument ID: E
Test Method:	TO15L	End Date: 9/3/13	Time: 1039	CAL STD Lot #	535709	Instrument: 5973
ICAL Date:	60523			ICV / LCS Lot #	535161	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1039	EFVC001	NA	BFB	NA	NA	NA	WND	NA	NA	WND	
1128	02	5464	CCVLS		2	200		NA	NA		not used
1224	03	5465	CCVLS		2	200		NA	✓		high MCM
1320	04	5426	LCS		3	200		✓	✓		high MCM
1415	05	4983	MB	—	4	500		✓			
1511	06	3342	17927-9	10	5	50		✓	✓		C
1607	07	3341	-11		6			✓	✓		C
1703	08	5104	-12		7			✓	✓		C
1858	09	4183	-17		8			✓	✓		C
1854	10	5412	-18	4	9	125		✓	✓		C
1949	11	3138	18097-4	1	10	500		✓	✓		C
2044	12	3431	-5		11			✓	✓		C
2139	13	3515	-6		12			✓	✓		C
2233	14	2533	17995-3	2.99	14	167		✓	✓		C
2328	15	4236	-4		15			✓	✓		C
0024	16	4357	-5		16			✓	✓		C
0119	17	3163	18055-12	2.99	1	167		✓	✓		C
0214	18	3263	18035-1	2.99	2	167		✓	✓		C
0308	19	2738	-2		3			✓	✓		C
0403	20	3706	-3	3.00	4	500		✓	✓		CDF=3.00
0458	21	3642	-4	2.99	5	167		✓	✓		C
0742	22	2594	18054-1	2.99	6	167		↑	R		RR 1:10
0837	23	2615	-2		7			↑	R		RR 1:10
0932	24	2681	-3		8			↑	R		RR 1:3
1027	25	2546	-4		9			↑	R		RR 1:3

9/5/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

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AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Start Date: 08/28/2013 10:18

Analysis Batch Number: 60577 End Date: 08/29/2013 01:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-60577/1		08/28/2013 10:18	1	efy001.d	RTX-624 0.32(mm)
VIBLK 200-60577/2		08/28/2013 11:08	1		RTX-624 0.32(mm)
VIBLK 200-60577/3		08/28/2013 12:03	1		RTX-624 0.32(mm)
IC 200-60577/4		08/28/2013 12:59	1	efy004.d	RTX-624 0.32(mm)
IC 200-60577/5		08/28/2013 13:55	1	efy005.d	RTX-624 0.32(mm)
IC 200-60577/6		08/28/2013 14:52	1	efy006.d	RTX-624 0.32(mm)
IC 200-60577/7		08/28/2013 15:48	1	efy007.d	RTX-624 0.32(mm)
ICIS 200-60577/8		08/28/2013 16:44	1	efy008.d	RTX-624 0.32(mm)
IC 200-60577/9		08/28/2013 17:40	1	efy009.d	RTX-624 0.32(mm)
IC 200-60577/10		08/28/2013 18:36	1	efy010.d	RTX-624 0.32(mm)
IC 200-60577/11		08/28/2013 19:32	1	efy011.d	RTX-624 0.32(mm)
IC 200-60577/12		08/28/2013 20:27	1	efy012.d	RTX-624 0.32(mm)
IC 200-60577/13		08/28/2013 21:22	1	efy013.d	RTX-624 0.32(mm)
VIBLK 200-60577/14		08/28/2013 22:17	1		RTX-624 0.32(mm)
VIBLK 200-60577/15		08/28/2013 23:12	1		RTX-624 0.32(mm)
ICV 200-60577/16		08/29/2013 00:07	1		RTX-624 0.32(mm)
VIBLK 200-60577/17		08/29/2013 01:02	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Start Date: 08/28/2013 10:18

Analysis Batch Number: 60768 End Date: 08/29/2013 01:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-60768/1		08/28/2013 10:18	1	efy001.d	RTX-624 0.32(mm)
VIBLK 200-60768/2		08/28/2013 11:08	1		RTX-624 0.32(mm)
VIBLK 200-60768/3		08/28/2013 12:03	1		RTX-624 0.32(mm)
IC 200-60768/4		08/28/2013 12:59	1	efy004.d	RTX-624 0.32(mm)
IC 200-60768/5		08/28/2013 13:55	1	efy005.d	RTX-624 0.32(mm)
IC 200-60768/6		08/28/2013 14:52	1	efy006.d	RTX-624 0.32(mm)
IC 200-60768/7		08/28/2013 15:48	1	efy007.d	RTX-624 0.32(mm)
ICIS 200-60768/8		08/28/2013 16:44	1	efy008.d	RTX-624 0.32(mm)
IC 200-60768/9		08/28/2013 17:40	1	efy009.d	RTX-624 0.32(mm)
IC 200-60768/10		08/28/2013 18:36	1	efy010.d	RTX-624 0.32(mm)
IC 200-60768/11		08/28/2013 19:32	1	efy011.d	RTX-624 0.32(mm)
IC 200-60768/12		08/28/2013 20:27	1	efy012.d	RTX-624 0.32(mm)
IC 200-60768/13		08/28/2013 21:22	1	efy013.d	RTX-624 0.32(mm)
VIBLK 200-60768/14		08/28/2013 22:17	1		RTX-624 0.32(mm)
VIBLK 200-60768/15		08/28/2013 23:12	1		RTX-624 0.32(mm)
ICV 200-60768/16		08/29/2013 00:07	1	efy016.d	RTX-624 0.32(mm)
VIBLK 200-60768/17		08/29/2013 01:02	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: E.i Start Date: 09/02/2013 10:39

Analysis Batch Number: 60773 End Date: 09/03/2013 00:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-60773/1		09/02/2013 10:39	1	efyc001.d	RTX-624 0.32(mm)
CCVIS 200-60773/2		09/02/2013 11:28	1		RTX-624 0.32(mm)
CCVIS 200-60773/3		09/02/2013 12:24	1	efyc003.d	RTX-624 0.32(mm)
LCS 200-60773/4		09/02/2013 13:20	1	efyc004.d	RTX-624 0.32(mm)
MB 200-60773/5		09/02/2013 14:15	1	efyc005.d	RTX-624 0.32(mm)
200-17995-3	CS40811-081513	09/02/2013 22:33	2.99	efyc014.d	RTX-624 0.32(mm)
200-17995-4	DUP-081513	09/02/2013 23:28	2.99	efyc015.d	RTX-624 0.32(mm)
200-17995-5	BG-081513	09/03/2013 00:24	2.99	efyc016.d	RTX-624 0.32(mm)

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Matrix: Air Level: Low Lab File ID: blba004.d

Lab ID: LCS 200-60183/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	10.0	8.61	86	70-130	
1,1-Dichloroethene	10.0	10.5	105	70-130	
trans-1,2-Dichloroethene	10.0	9.49	95	70-130	
cis-1,2-Dichloroethene	10.0	9.87	99	70-130	
Benzene	10.0	9.31	93	70-130	
Trichloroethene	10.0	9.00	90	70-130	
Toluene	10.0	9.29	93	70-130	
Tetrachloroethene	10.0	8.90	89	70-130	
Ethylbenzene	10.0	9.41	94	70-130	
m-Xylene & p-Xylene	20.0	18.6	93	70-130	
o-Xylene	10.0	9.17	92	70-130	
Chlorobenzene	10.0	9.21	92	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: blba005.d Lab Sample ID: MB 200-60183/5

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

Instrument ID: B.i Date Analyzed: 08/22/2013 14:54

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 200-60183/4	blba004.d	08/22/2013 14:01
SV40771-081513	200-17995-1	blba022.d	08/23/2013 07:21
SV40812-081513	200-17995-2	blba023.d	08/23/2013 08:13
SV40811-081613	200-17995-6	blba024.d	08/23/2013 09:04
SV40772-081613	200-17995-7	blba025.d	08/23/2013 09:56

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: blb001.d BFB Injection Date: 08/21/2013

Instrument ID: B.i BFB Injection Time: 08:15

Analysis Batch No.: 60131

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.4	
75	30.0 - 66.0% of mass 95	42.6	
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	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	90.8	
175	4.0 - 9.0 % of mass 174	6.6	(7.2)1
176	93.0 - 101.0% of mass 174	88.6	(97.6)1
177	5.0 - 9.0% of mass 176	5.9	(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
	IC 200-60131/4	blb004.d	08/21/2013	10:53
	IC 200-60131/5	blb005.d	08/21/2013	11:46
	IC 200-60131/6	blb006.d	08/21/2013	12:38
	IC 200-60131/7	blb007.d	08/21/2013	13:31
	IC 200-60131/9	blb009.d	08/21/2013	15:15
	IC 200-60131/11	blb011.d	08/21/2013	16:59
	IC 200-60131/12	blb012.d	08/21/2013	17:52
	ICIS 200-60131/17	blb017.d	08/21/2013	22:12
	ICV 200-60131/19	blb019.d	08/21/2013	23:56

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab File ID: blba001.d BFB Injection Date: 08/22/2013

Instrument ID: B.i BFB Injection Time: 11:15

Analysis Batch No.: 60183

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.1	
75	30.0 - 66.0% of mass 95	40.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	96.2	
175	4.0 - 9.0 % of mass 174	6.9	(7.1)1
176	93.0 - 101.0% of mass 174	93.2	(96.9)1
177	5.0 - 9.0% of mass 176	6.1	(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 200-60183/3	blba003.d	08/22/2013	13:09
	LCS 200-60183/4	blba004.d	08/22/2013	14:01
	MB 200-60183/5	blba005.d	08/22/2013	14:54
SV40771-081513	200-17995-1	blba022.d	08/23/2013	07:21
SV40812-081513	200-17995-2	blba023.d	08/23/2013	08:13
SV40811-081613	200-17995-6	blba024.d	08/23/2013	09:04
SV40772-081613	200-17995-7	blba025.d	08/23/2013	09:56

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Sample No.: ICIS 200-60131/17 Date Analyzed: 08/21/2013 22:12

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): blb017.d Heated Purge: (Y/N) N

Calibration ID: 23002

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		401354	10.04	1961144	11.45	1747713	15.53
UPPER LIMIT		561896	10.37	2745602	11.78	2446798	15.86
LOWER LIMIT		240812	9.71	1176686	11.12	1048628	15.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-60131/19		401169	10.04	1952287	11.44	1770049	15.52

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Sample No.: CCVIS 200-60183/3 Date Analyzed: 08/22/2013 13:09

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): blba003.d Heated Purge: (Y/N) N

Calibration ID: 23002

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		391918	10.04	1904476	11.44	1706078	15.52
UPPER LIMIT		548685	10.37	2666266	11.77	2388509	15.85
LOWER LIMIT		235151	9.71	1142686	11.11	1023647	15.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-60183/4		399669	10.04	1951453	11.44	1762946	15.53
MB 200-60183/5		400825	10.04	1981076	11.44	1688187	15.52
200-17995-1	SV40771-081513	332856	10.04	1642297	11.44	1312741	15.52
200-17995-2	SV40812-081513	329953	10.04	1629177	11.44	1368940	15.52
200-17995-6	SV40811-081613	334475	10.04	1641408	11.44	1373846	15.52
200-17995-7	SV40772-081613	344559	10.04	1681482	11.44	1429594	15.52

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40771-081513 Lab Sample ID: 200-17995-1

Matrix: Air Lab File ID: blba022.d

Analysis Method: TO-15 Date Collected: 08/15/2013 10:14

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 07:21

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.14	J	0.20	0.084
71-43-2	Benzene	78.11	0.83		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040		0.040	0.0092
108-88-3	Toluene	92.14	1.0		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.11		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.17	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.43	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.20		0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.62		0.20	0.016
108-90-7	Chlorobenzene	112.56	0.087	J	0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40771-081513 Lab Sample ID: 200-17995-1

Matrix: Air Lab File ID: blba022.d

Analysis Method: TO-15 Date Collected: 08/15/2013 10:14

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 07:21

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.: 60183 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.54	J	0.79	0.33
71-43-2	Benzene	78.11	2.6		0.64	0.058
79-01-6	Trichloroethene	131.39	0.22		0.21	0.049
108-88-3	Toluene	92.14	3.8		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.77		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.72	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.9	J	2.2	0.096
95-47-6	o-Xylene	106.17	0.86		0.87	0.069
1330-20-7	Xylenes, Total	106.17	2.7		0.87	0.069
108-90-7	Chlorobenzene	112.56	0.40	J	0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-1
Client Smp ID: SV40771-081513
Inj Date : 23-AUG-2013 07:21
Operator : pad Inst ID: B.i
Smp Info : 200-17995-A-1
Misc Info : 200,1,all74
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.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	3.256	3.261	(0.324)	40844	0.53603	0.54
3 Chlorodifluoromethane	51	3.298	3.304	(0.329)	15672	0.35000	0.35(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.635	3.640	(0.362)	17853	0.64726	0.65
6 Butane	43	3.821	3.822	(0.381)	37165	0.79134	0.79(Q)
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	3.934	3.944	(0.392)	1424	0.05363	0.054(a)
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.449	5.455	(0.543)	4027	0.04665	0.047(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	6.799	6.805	(0.677)	62217	1.58231	1.6(a)
21 Carbon disulfide	76	Compound Not Detected.					

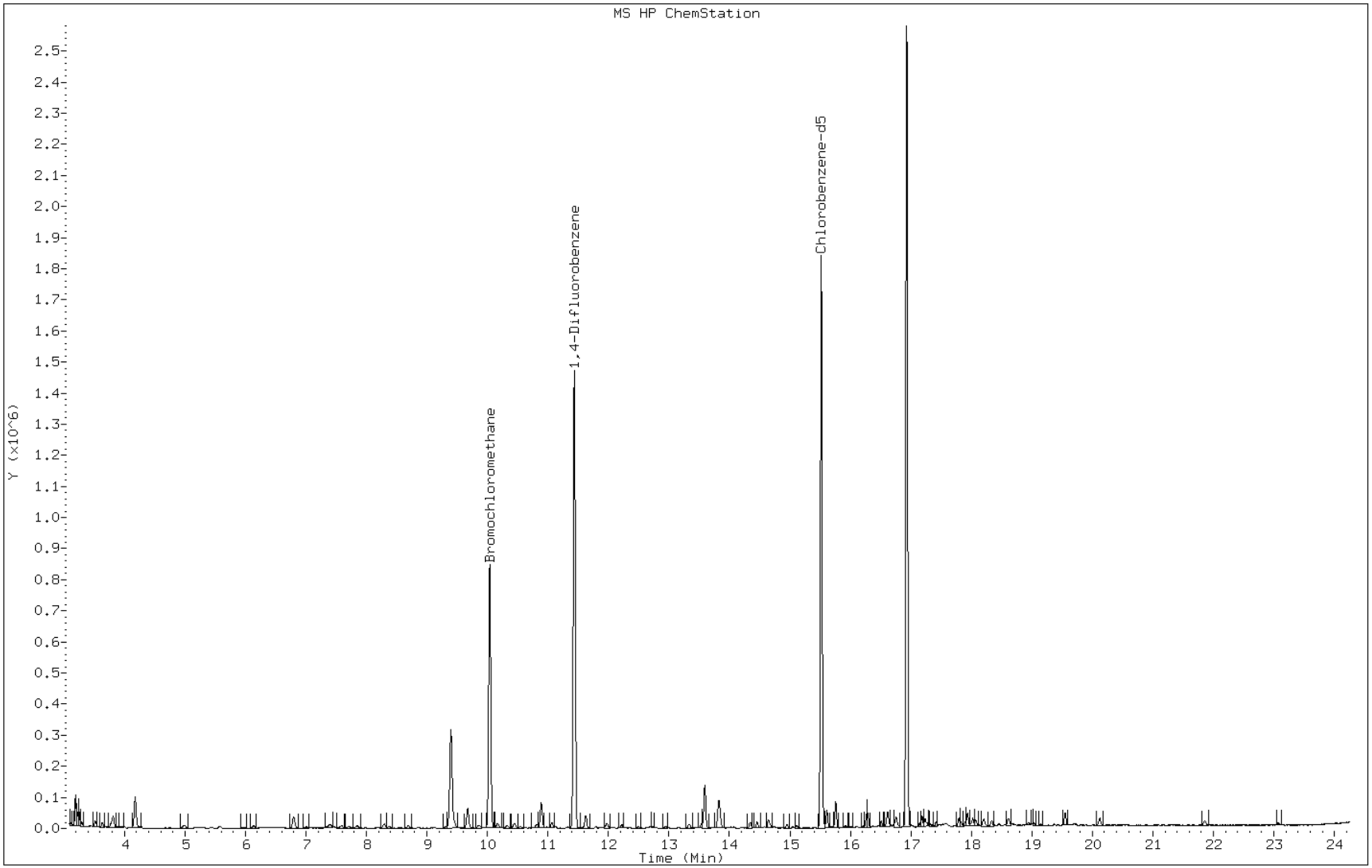
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	7.595	7.600	(0.757)	5489	0.17864	0.18(a)
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	10142	0.18894	0.19(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	8.299	8.299	(0.827)	9875	0.18100	0.18(a)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61				5280	0.13655	0.14(a)
	34 1,2-Dichloroethene (cis)	96	9.660	9.671	(0.962)	5280	0.13655	0.14(a)
	36 Methyl Ethyl Ketone	72	9.676	9.687	(0.964)	26369	1.34067	1.3(Q)
*	37 Bromochloromethane	128	10.039	10.044	(1.000)	332856	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.878)	9265	0.30789	0.31(a)
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	10.338	10.349	(0.904)	2628	0.04878	0.049(aQ)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.541	10.551	(0.922)	5414	0.06784	0.068(a)
	43 2,2,4-Trimethylpentane	57	10.813	10.824	(0.945)	14890	0.08846	0.088(a)
	44 Benzene	78	10.893	10.898	(0.952)	98035	0.82562	0.83
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.064	11.069	(0.967)	10002	0.17650	0.18(a)
*	47 1,4-Difluorobenzene	114	11.437	11.448	(1.000)	1642297	10.0000	
	49 Trichloroethene	95	11.795	11.800	(1.031)	2147	0.04014	0.040(a)
	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	13.342	13.343	(1.167)	4848	0.07303	0.073(a)
	58 Toluene	92	13.599	13.604	(0.876)	80135	1.01336	1.0
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	8367	0.11384	0.11(a)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1312741	10.0000	
	66 Chlorobenzene	112	15.552	15.563	(1.002)	9576	0.08731	0.087(a)
	68 Ethylbenzene	91	15.616	15.621	(1.006)	28838	0.16578	0.17(a)
	69 Xylene (m,p)	106	15.760	15.766	(1.015)	29759	0.42641	0.43(a)
M	70 Xylenes, Total	106				43208	0.62395	0.62
	71 Xylene (o)	106	16.267	16.273	(1.048)	13449	0.19754	0.20
	72 Styrene	104	16.294	16.299	(1.050)	25757	0.26609	0.27
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	17.793	17.799	(1.146)	17428	0.10677	0.11(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	18.338	18.343	(1.182)	5023	0.04462	0.045(a)
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	21.855	21.860	(1.408)	20684	0.14075	0.14(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:	blba022.d	Date:	23-AUG-2013 07:21
Client ID:	SV40771-081513	Instrument:	B.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-1		
Lab Sample ID:	200-17995-1		



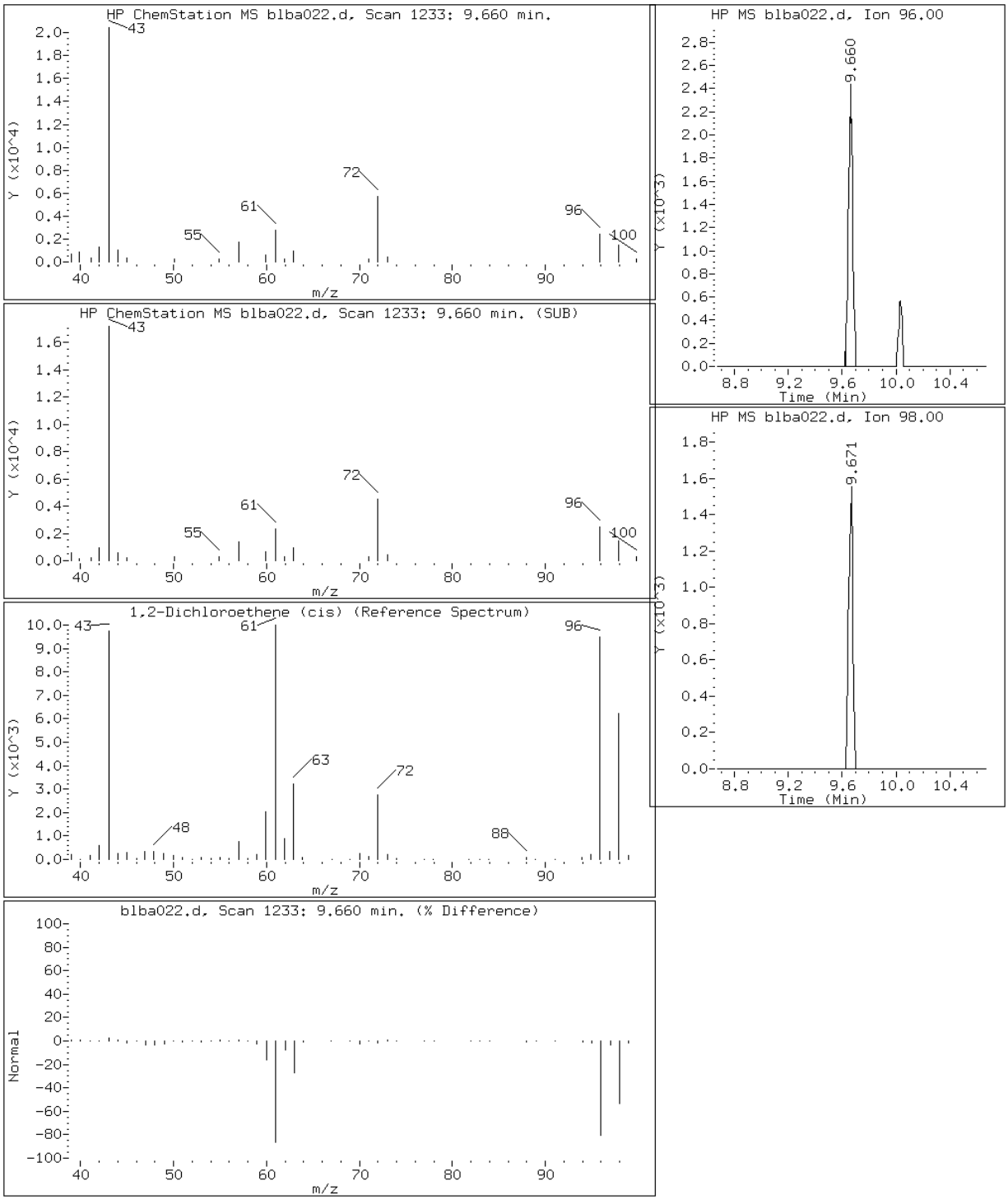
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

34 1,2-Dichloroethene (cis)



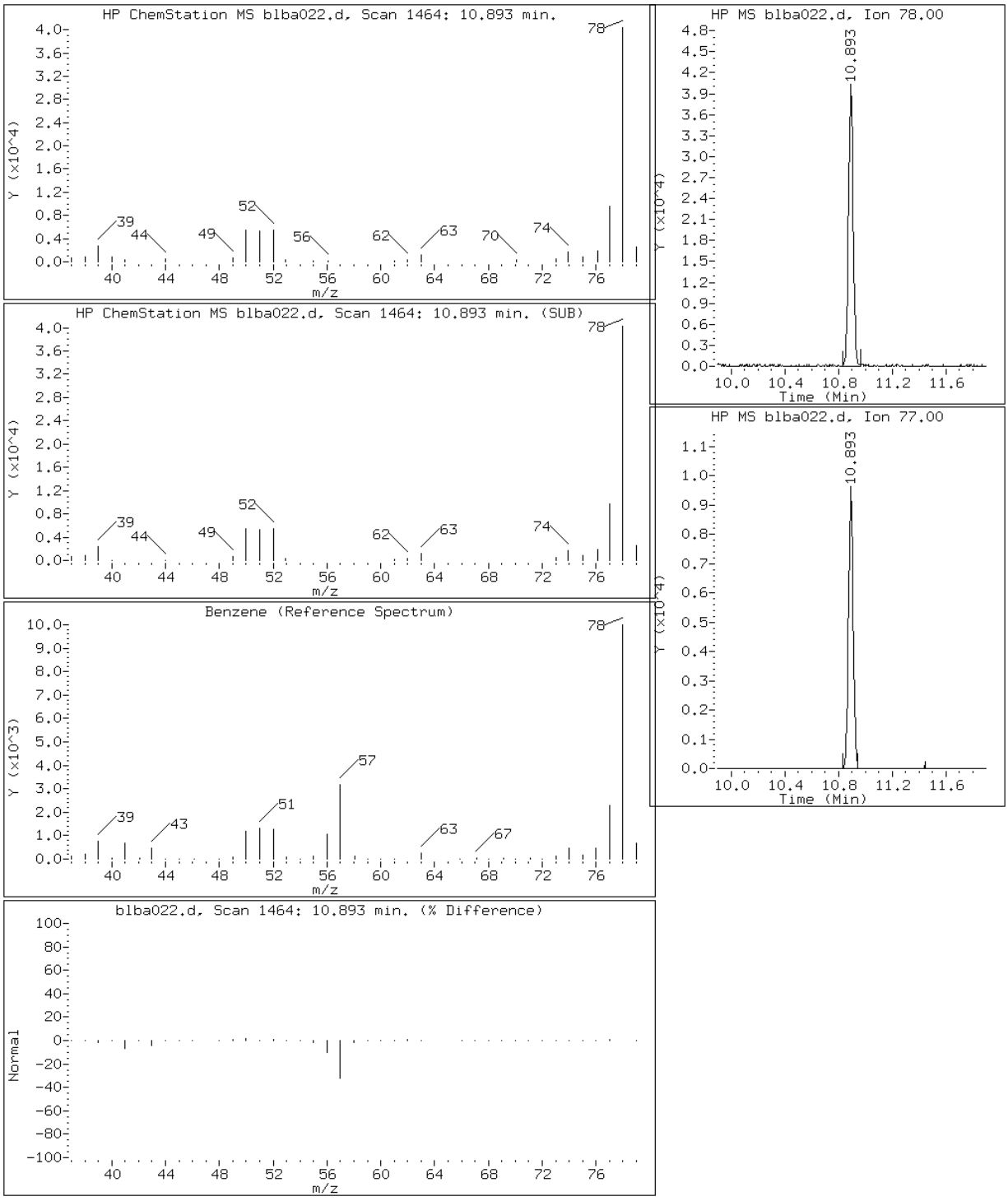
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

44 Benzene



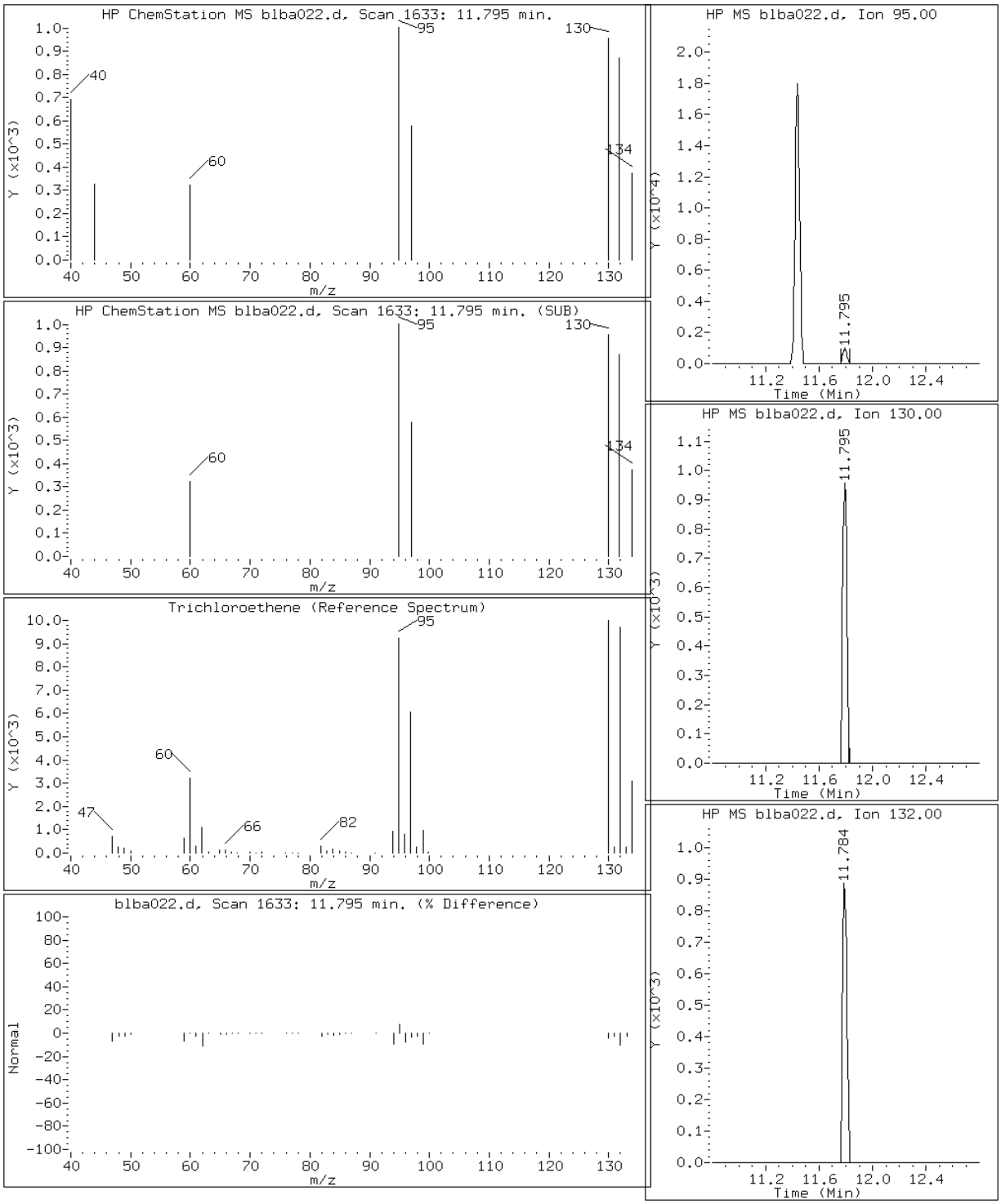
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

49 Trichloroethene



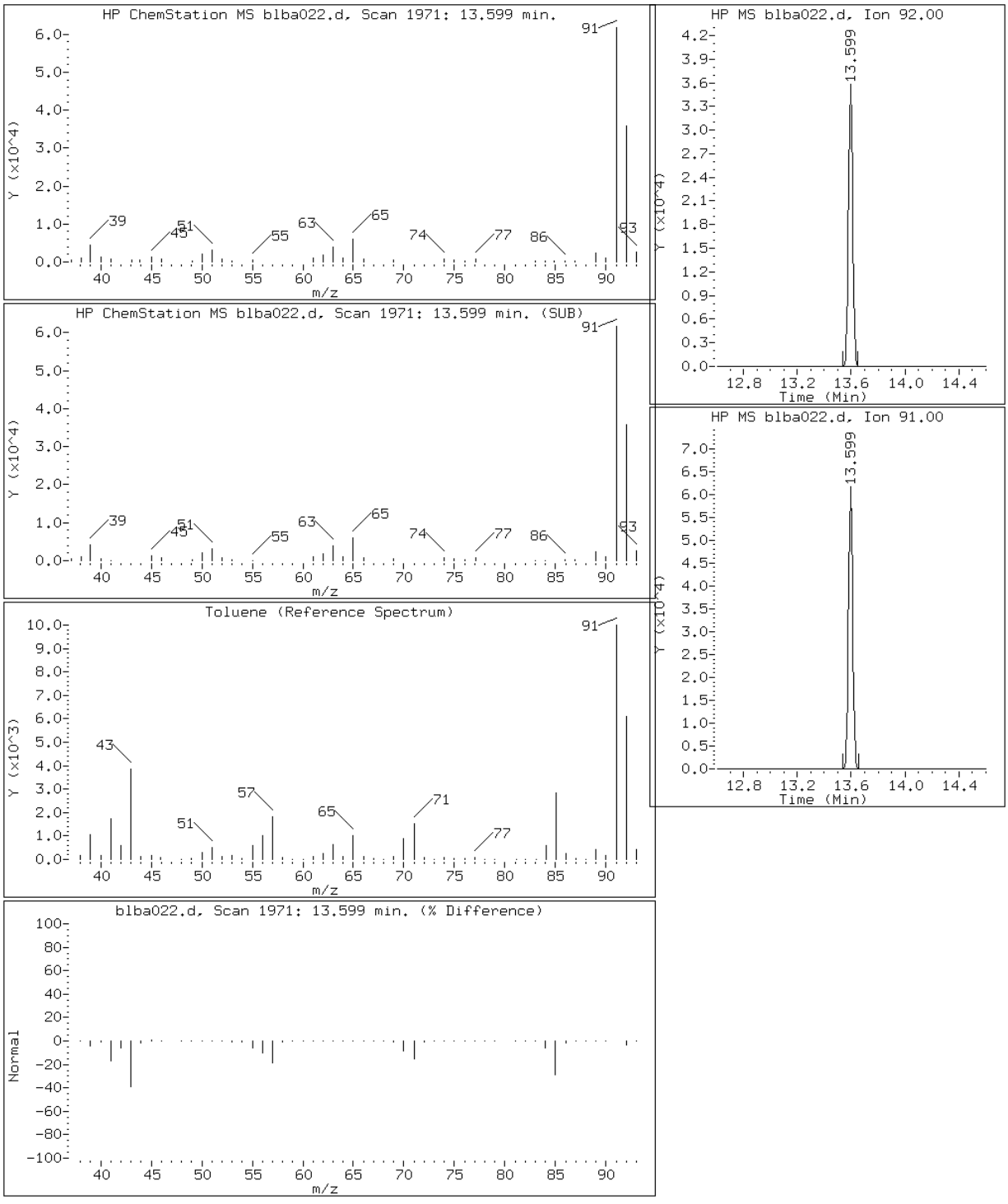
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

58 Toluene



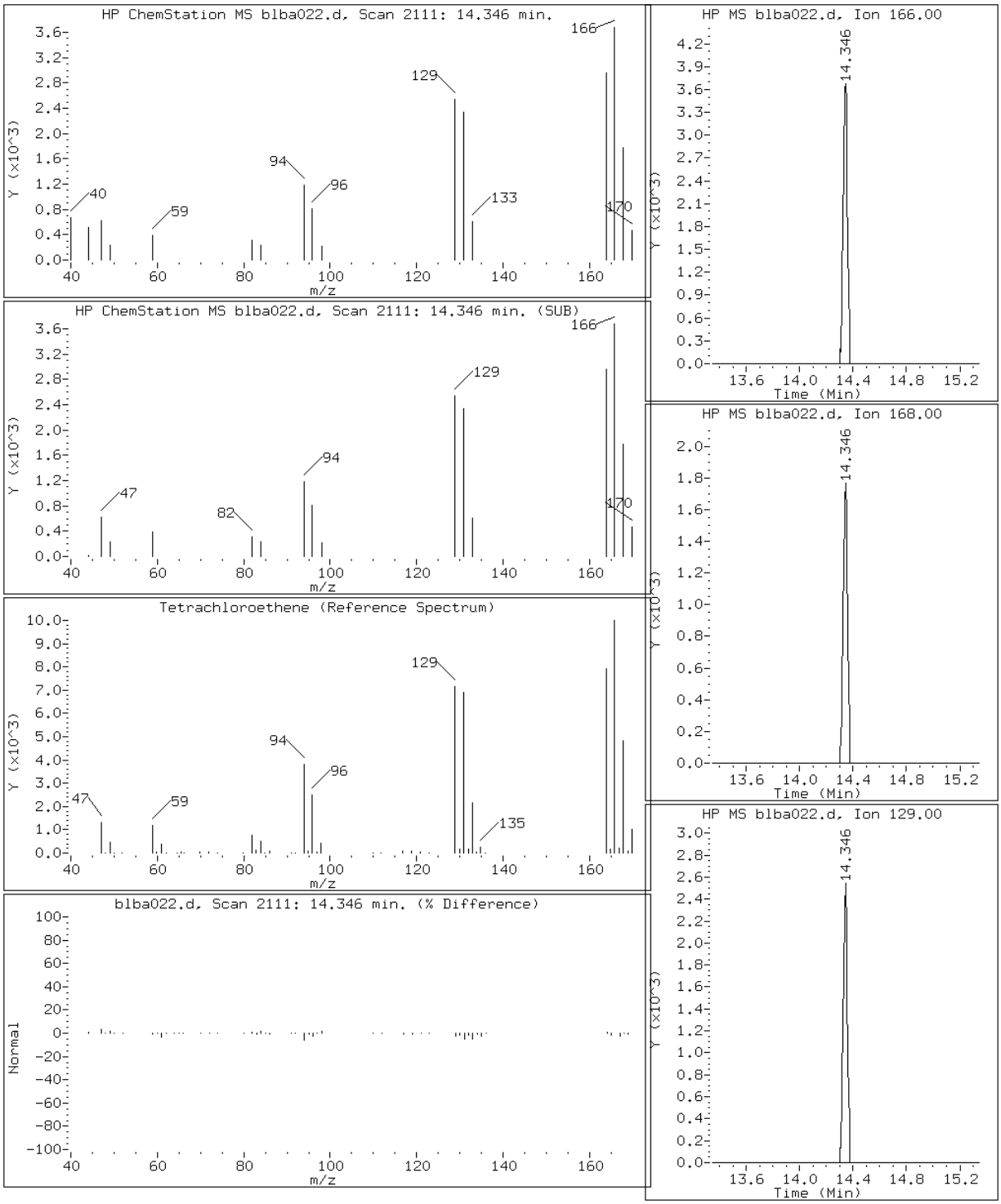
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

61 Tetrachloroethene



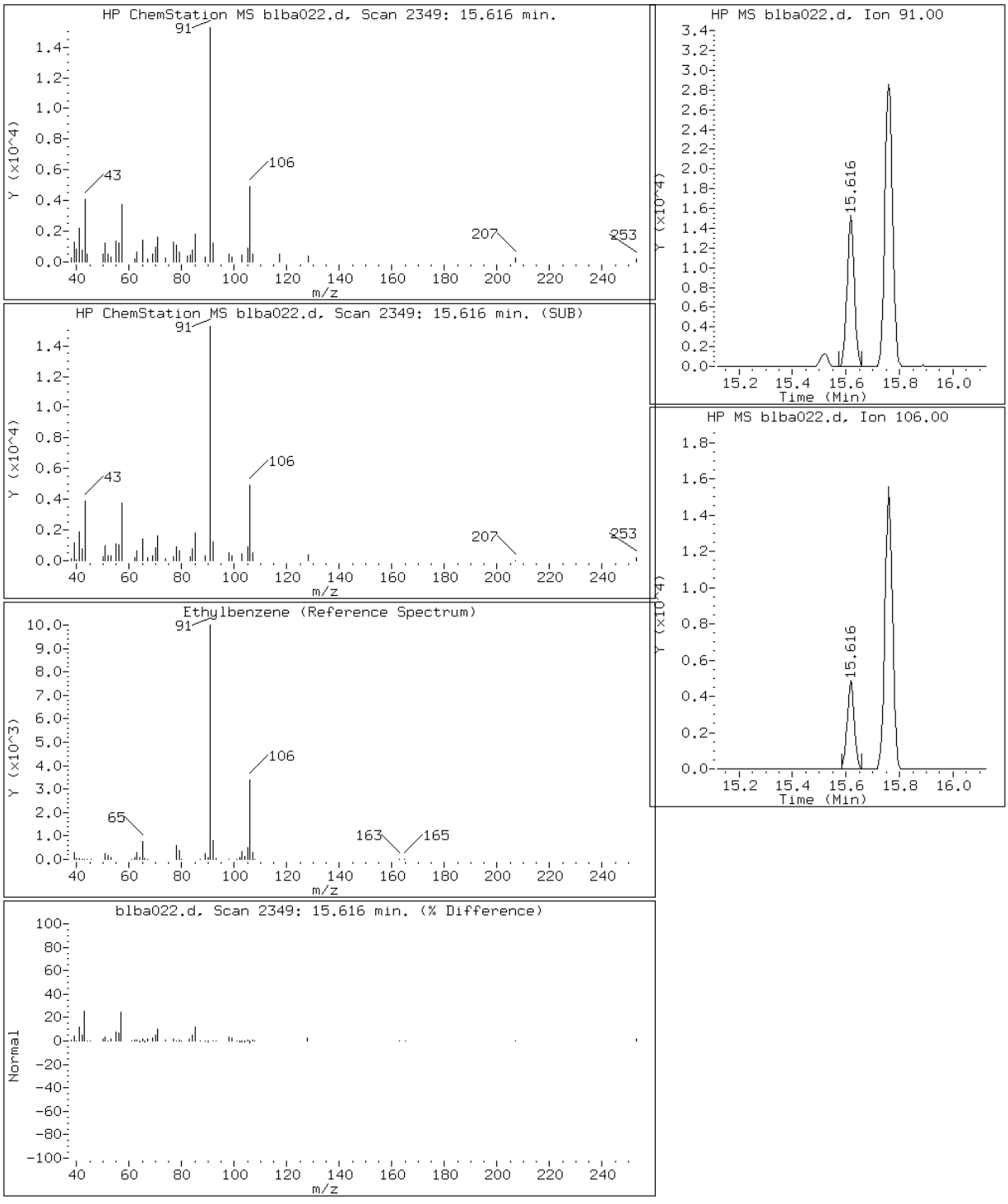
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

68 Ethylbenzene



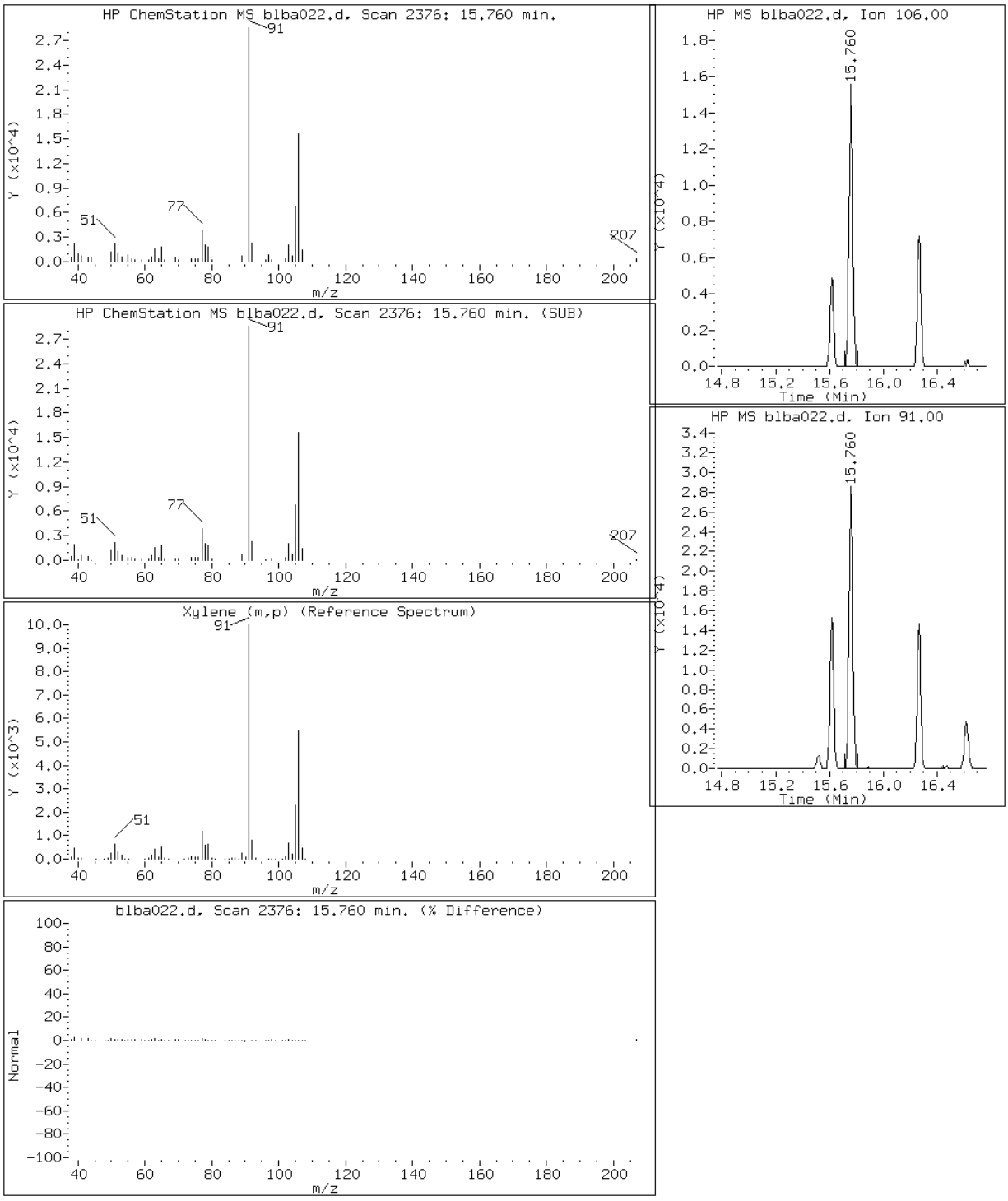
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

69 Xylene (m,p)



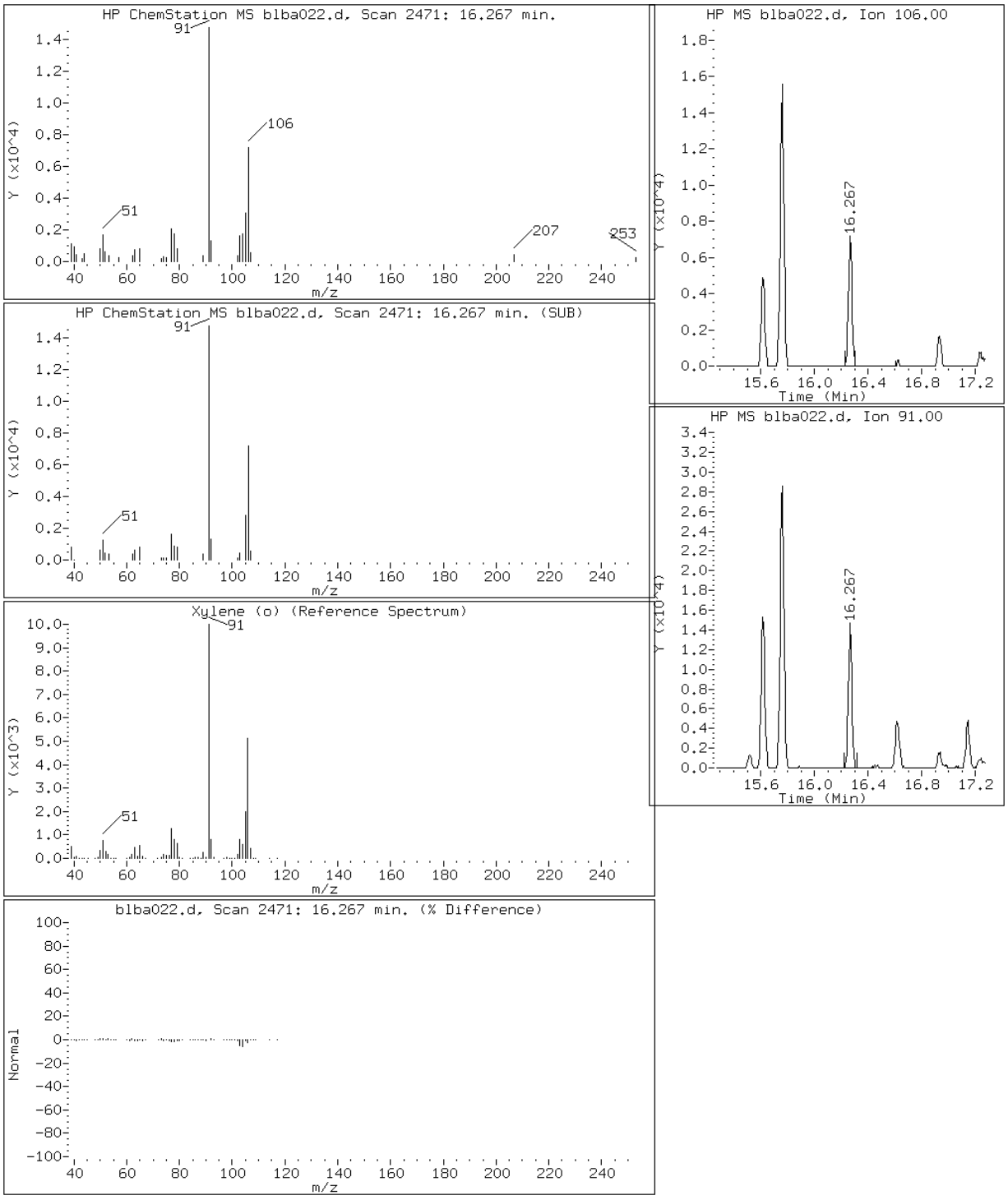
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

71 Xylene (o)



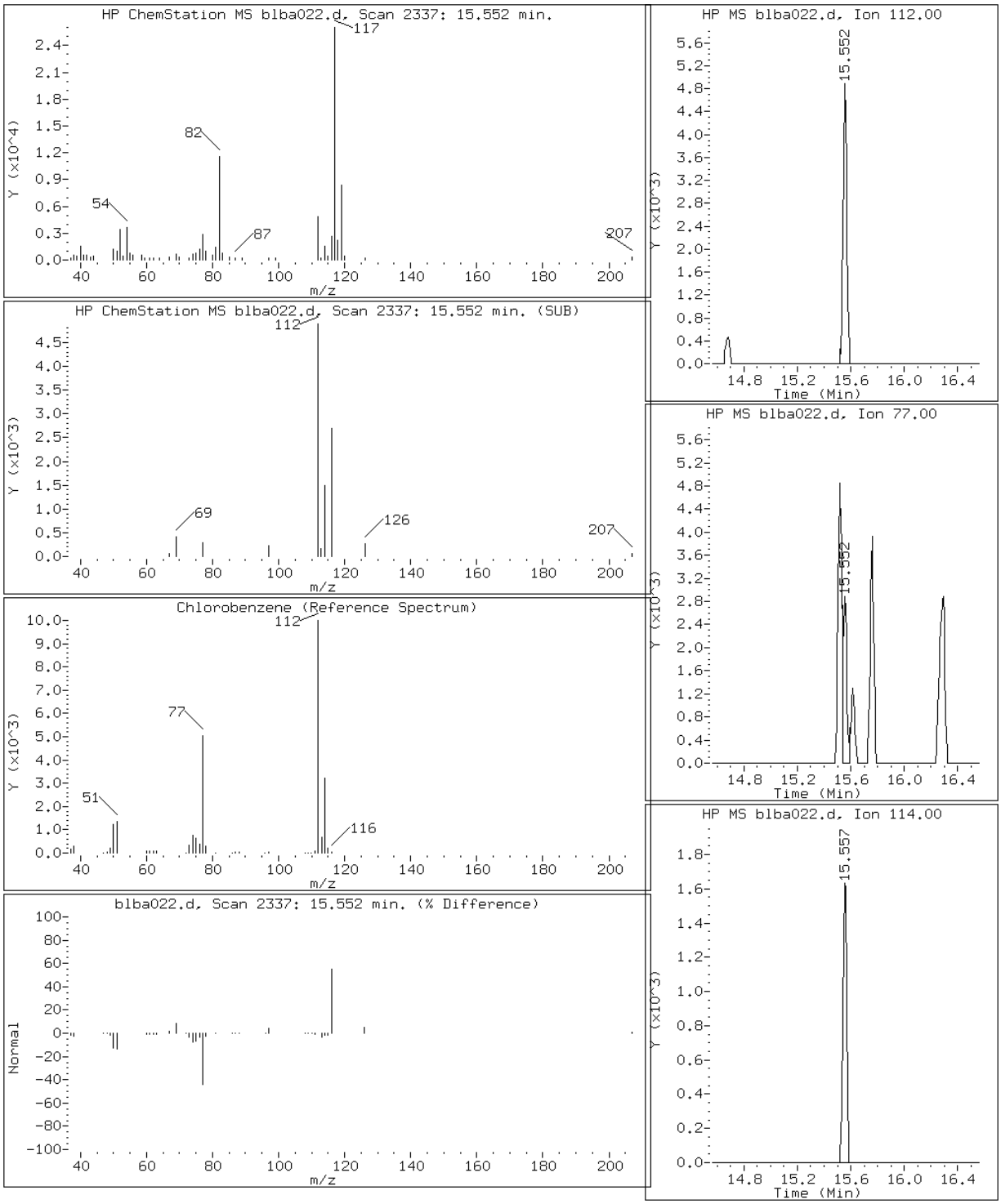
Data File: blba022.d

Lab Sample ID: 200-17995-1 Date: 23-AUG-2013 07:21

Client ID: SV40771-081513 Instrument: B.i

Sample Info: 200-17995-A-1 Operator: pad

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40812-081513 Lab Sample ID: 200-17995-2

Matrix: Air Lab File ID: blba023.d

Analysis Method: TO-15 Date Collected: 08/15/2013 10:24

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 08:13

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	0.94		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.48		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.074		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.10	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.10	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.70		0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.80		0.20	0.016
108-90-7	Chlorobenzene	112.56	1.4		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40812-081513 Lab Sample ID: 200-17995-2

Matrix: Air Lab File ID: blba023.d

Analysis Method: TO-15 Date Collected: 08/15/2013 10:24

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 08:13

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.: 60183 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	3.0		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	1.8		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.50		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.44	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	0.45	J	2.2	0.096
95-47-6	o-Xylene	106.17	3.0		0.87	0.069
1330-20-7	Xylenes, Total	106.17	3.5		0.87	0.069
108-90-7	Chlorobenzene	112.56	6.5		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-2
Client Smp ID: SV40812-081513
Inj Date : 23-AUG-2013 08:13
Operator : pad Inst ID: B.i
Smp Info : 200-17995-A-2
Misc Info : 200,1,all74
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.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	3.250	3.261	(0.324)	34352	0.45479	0.45(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	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	5.449	5.455	(0.543)	23377	0.27319	0.27
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.506	6.511	(0.648)	4777	0.07005	0.070(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	6.815	6.805	(0.679)	50120	1.28588	1.3(a)

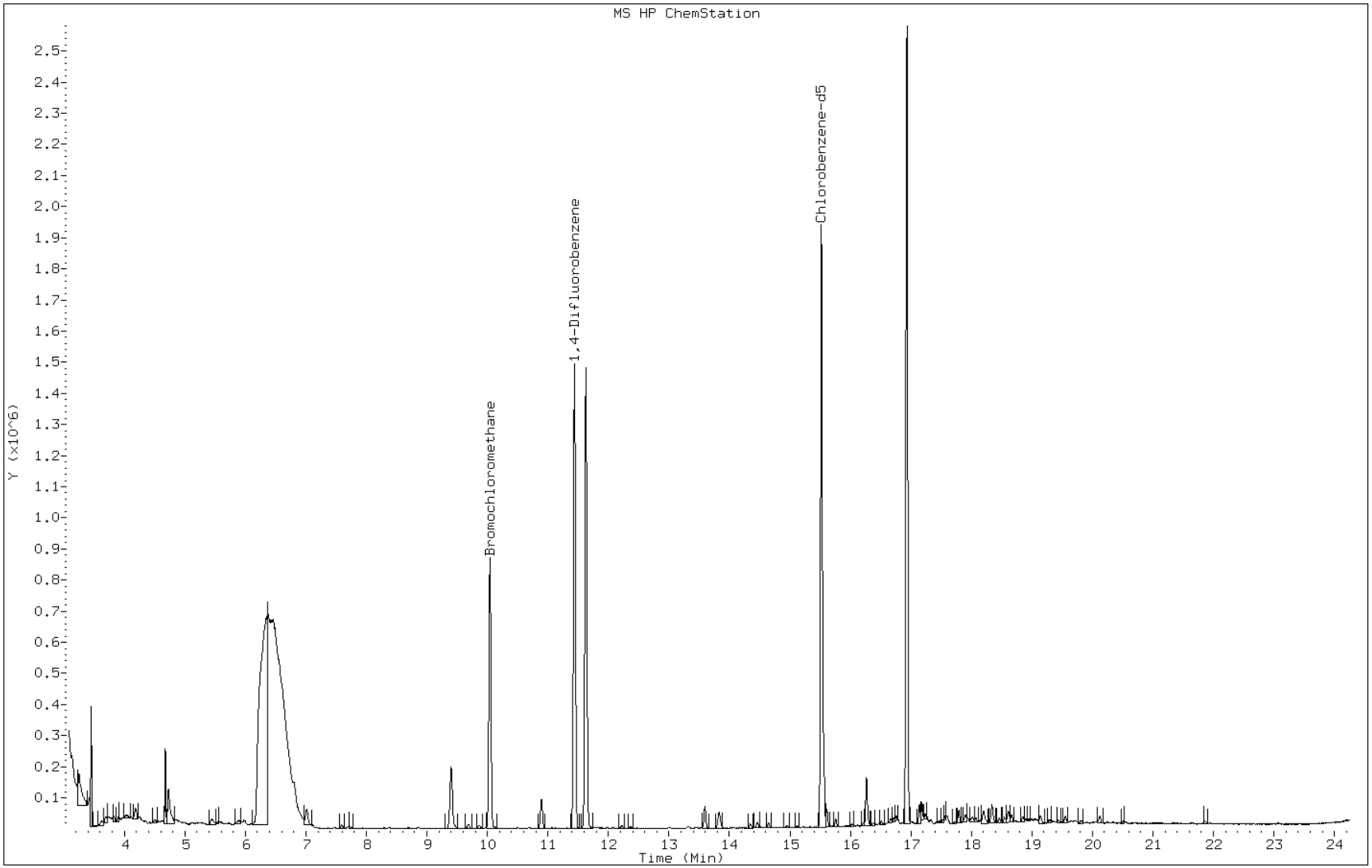
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	7.018	7.024	(0.699)	82078	0.84869	0.85
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	7.589	7.600	(0.756)	7244	0.23783	0.24(a)
	26 Tert-butyl alcohol	59	7.717	7.712	(0.768)	10208	0.19184	0.19(a)
	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.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	9.681	9.687	(0.964)	6083	0.31200	0.31(aQ)
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	329953	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	10.114	10.114	(1.007)	5366	0.07759	0.078(a)
	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	10.898	10.898	(0.952)	110571	0.93870	0.94
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1629177	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	13.599	13.604	(0.876)	39259	0.47607	0.48
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	5692	0.07427	0.074(a)
	62 2-Hexanone	43	14.506	14.506	(0.935)	3833	0.06302	0.063(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1368940	10.0000	
	66 Chlorobenzene	112	15.557	15.563	(1.002)	162726	1.42271	1.4
	68 Ethylbenzene	91	15.621	15.621	(1.007)	18224	0.10046	0.10(a)
	69 Xylene (m,p)	106	15.760	15.766	(1.015)	7558	0.10385	0.10(a)
M	70 Xylenes, Total	106				57260	0.80392	0.80
	71 Xylene (o)	106	16.267	16.273	(1.048)	49702	0.70007	0.70
	72 Styrene	104	16.294	16.299	(1.050)	11767	0.11657	0.12(aQ)
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	17.142	17.148	(1.105)	52288	0.21641	0.22
79 4-Ethyltoluene	105	17.265	17.271	(1.112)	12444	0.05977	0.060(a)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	26260	0.15427	0.15(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	18.338	18.343	(1.182)	18868	0.16074	0.16(a)
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	18.663	18.669	(1.203)	18638	0.10208	0.10(a)
92 1,2-Dichlorobenzene	146	18.845	18.856	(1.214)	11083	0.09642	0.096(a)
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	blba023.d	Date:	23-AUG-2013 08:13
Client ID:	SV40812-081513	Instrument:	B.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-2		
Lab Sample ID:	200-17995-2		



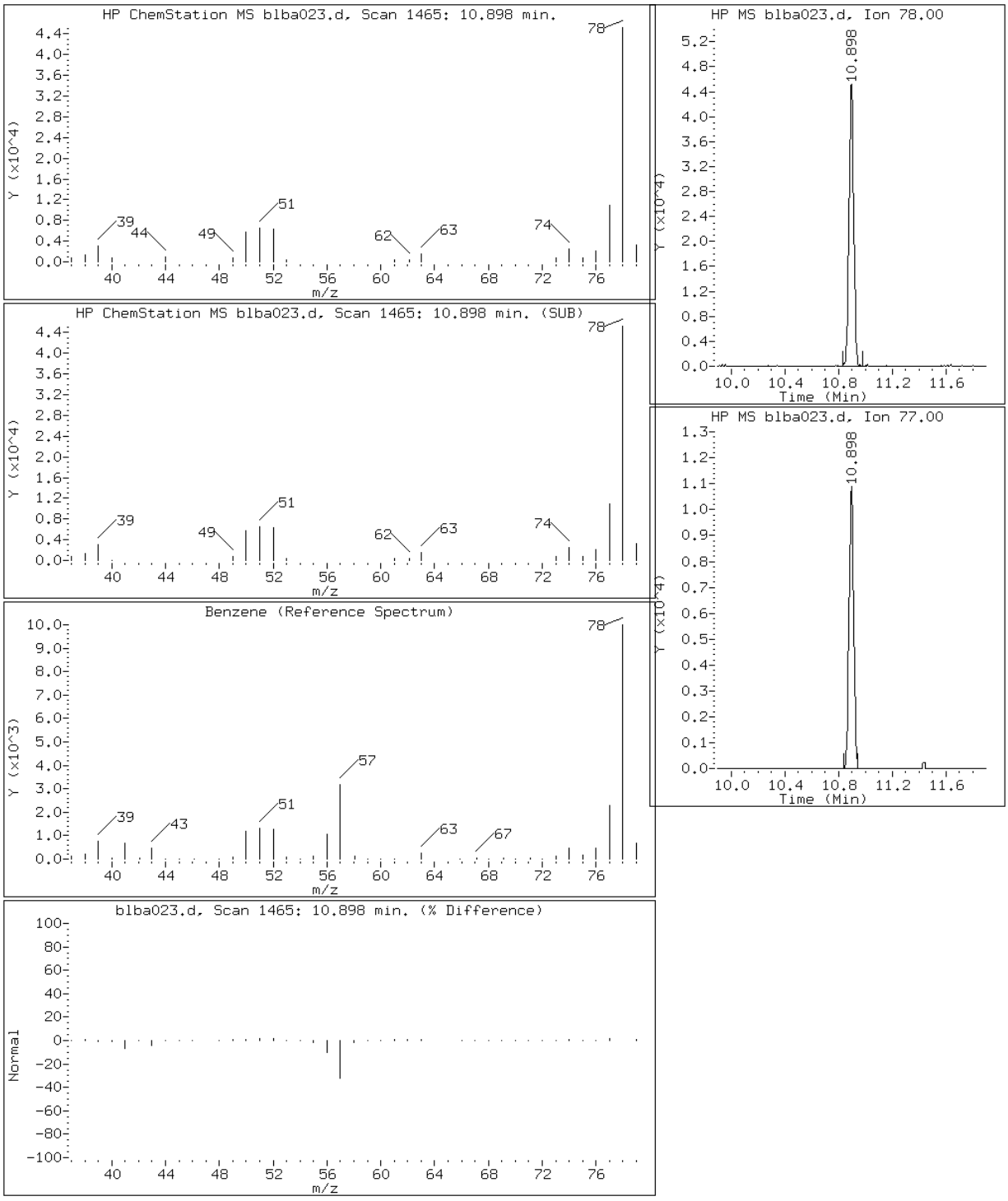
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

44 Benzene



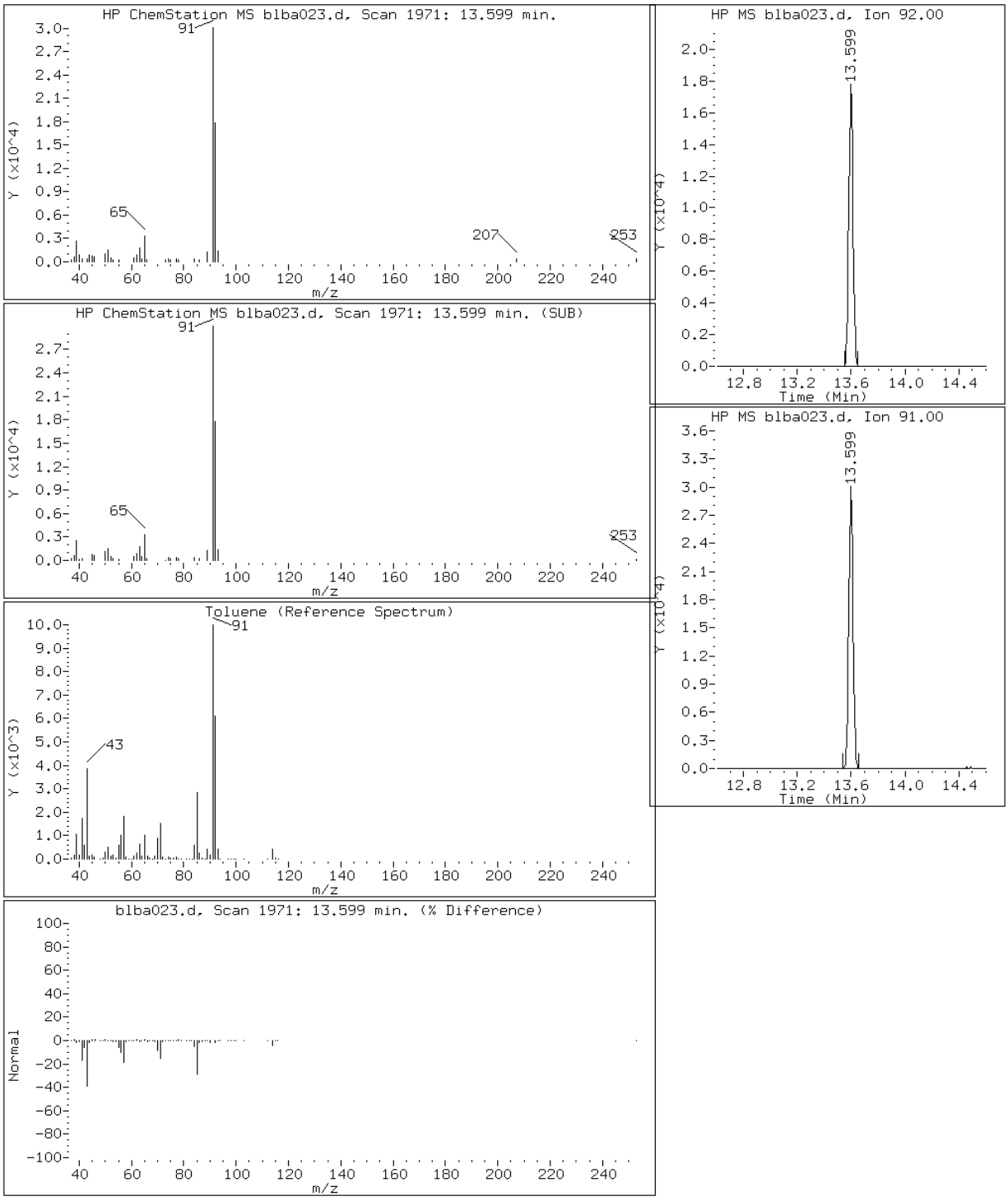
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

58 Toluene



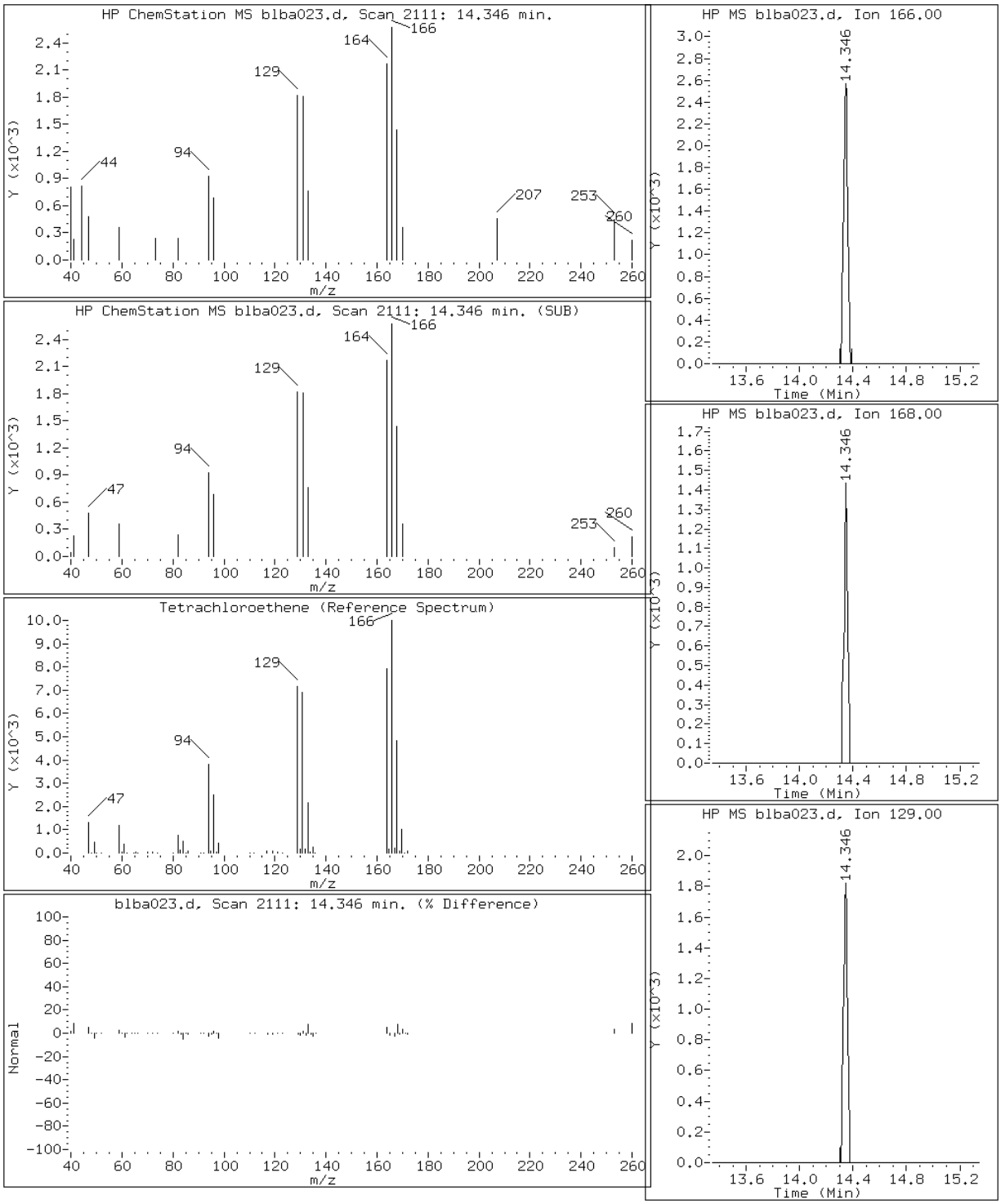
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

61 Tetrachloroethene



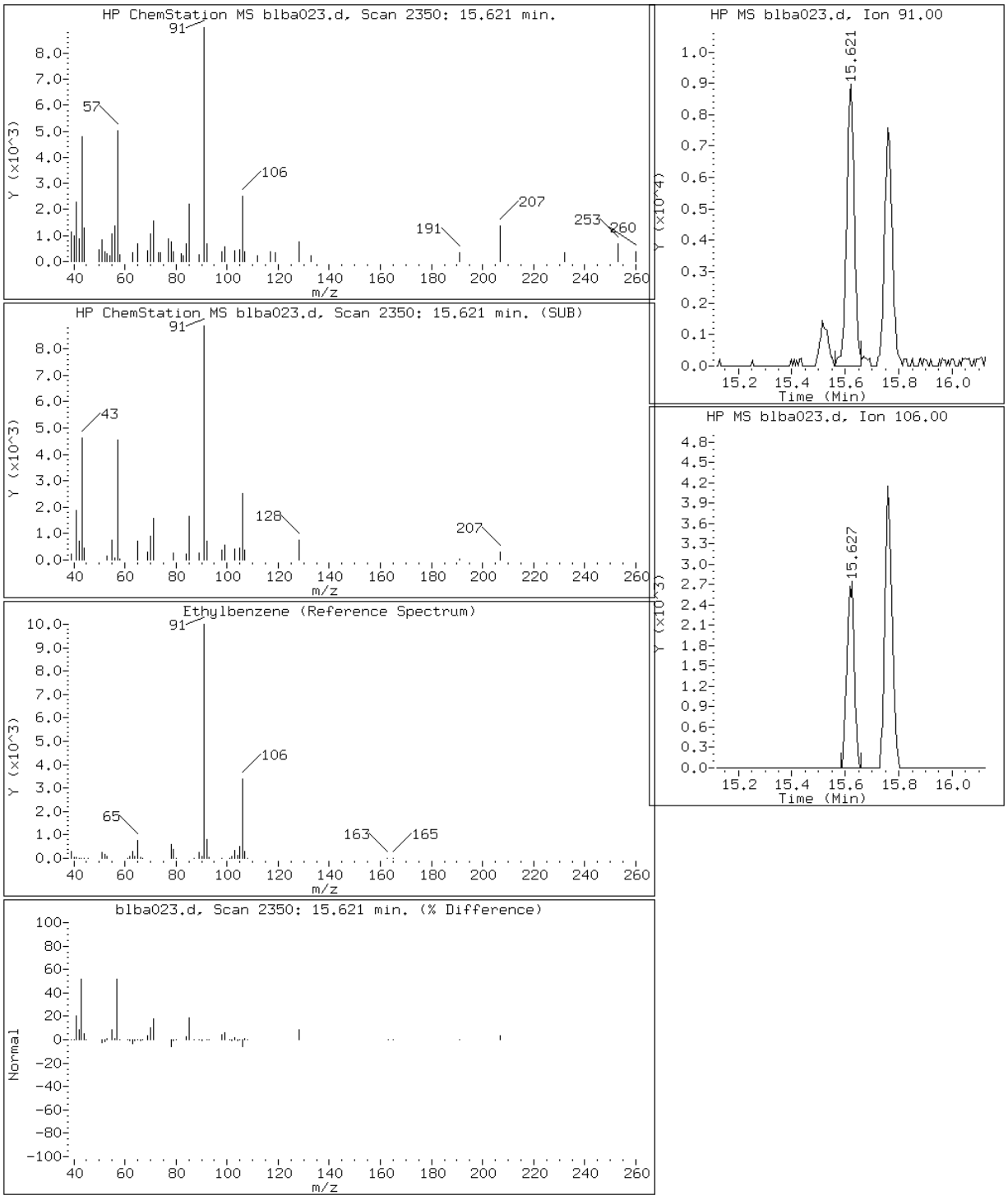
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

68 Ethylbenzene



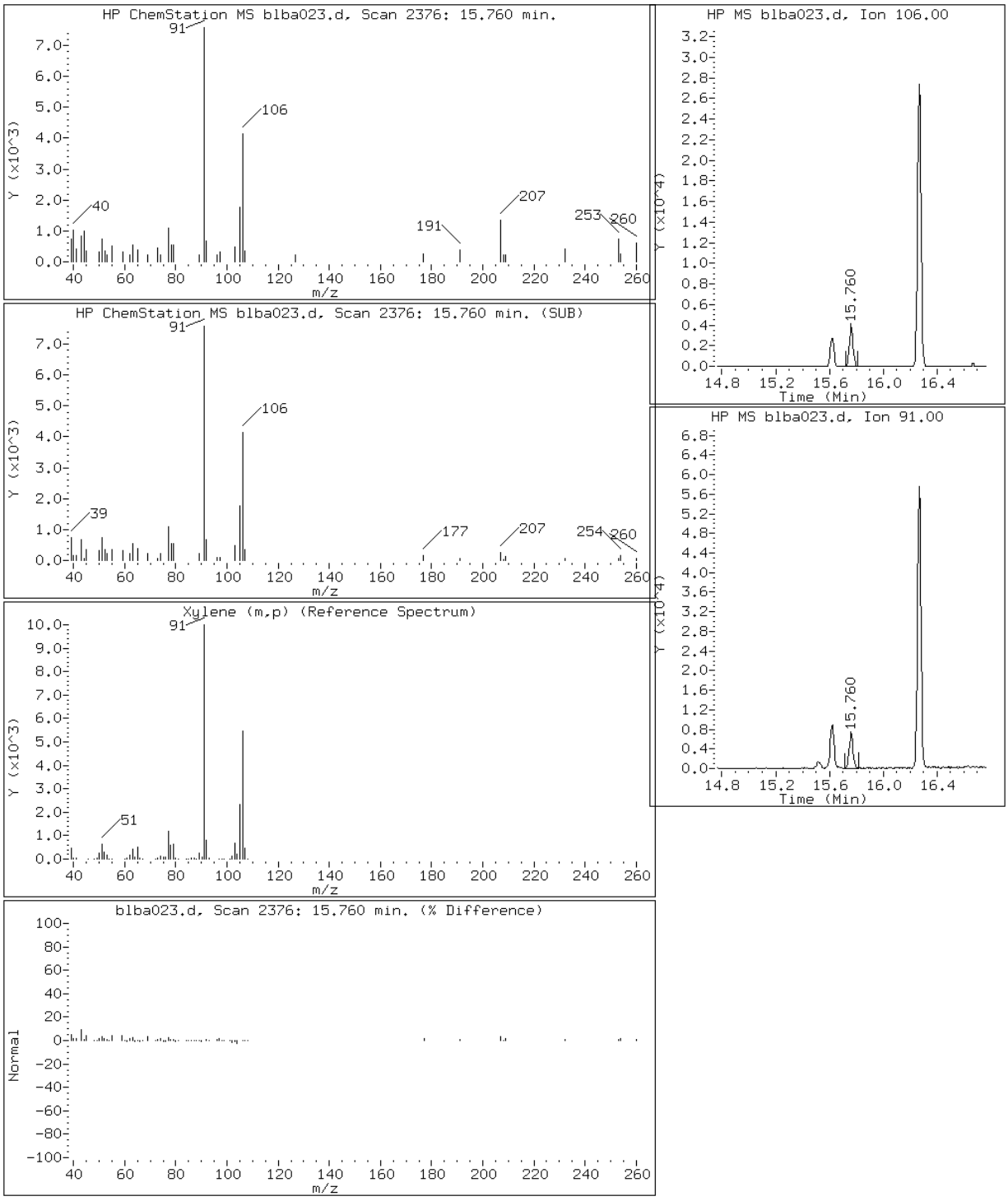
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

69 Xylene (m,p)



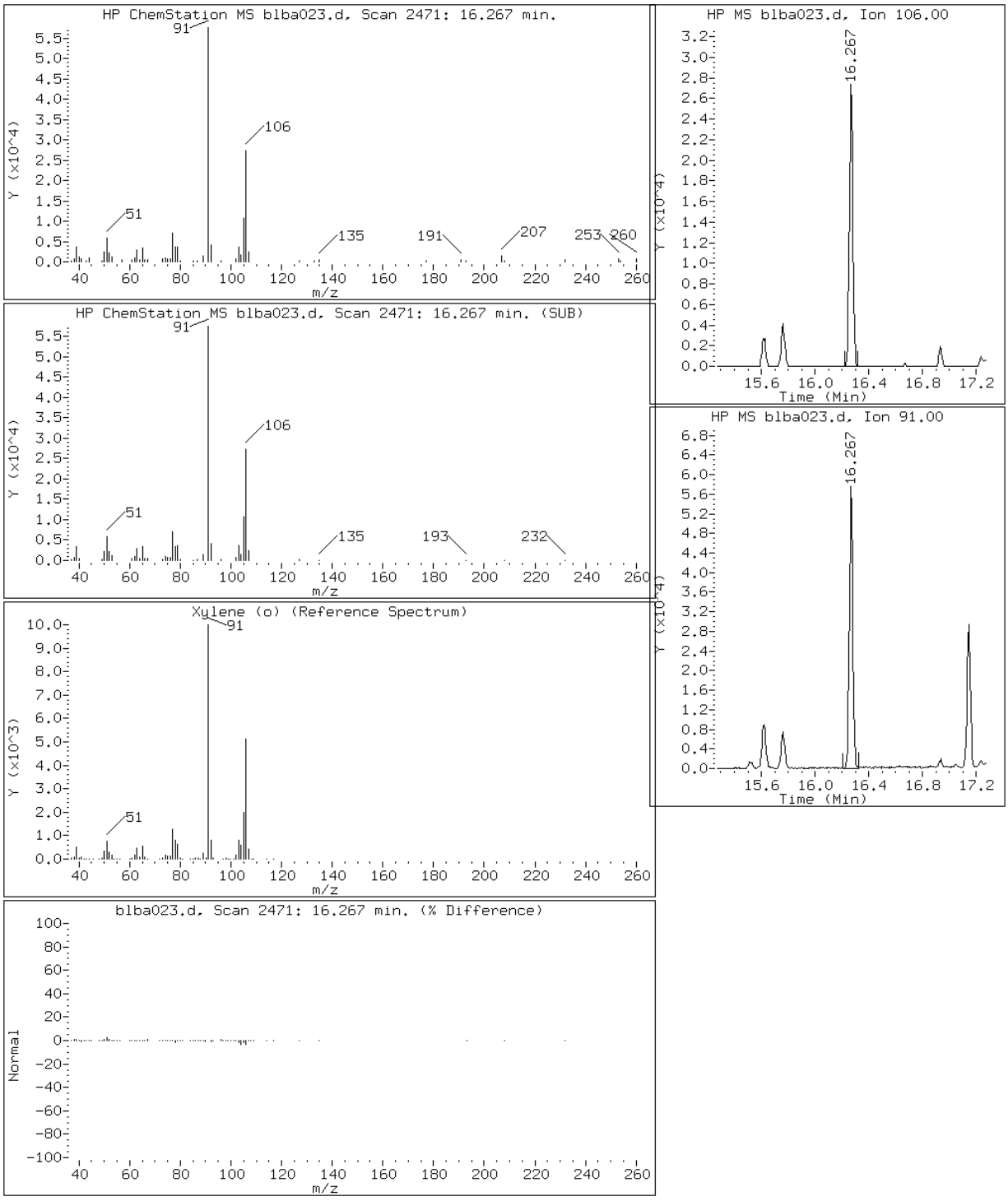
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

71 Xylene (o)



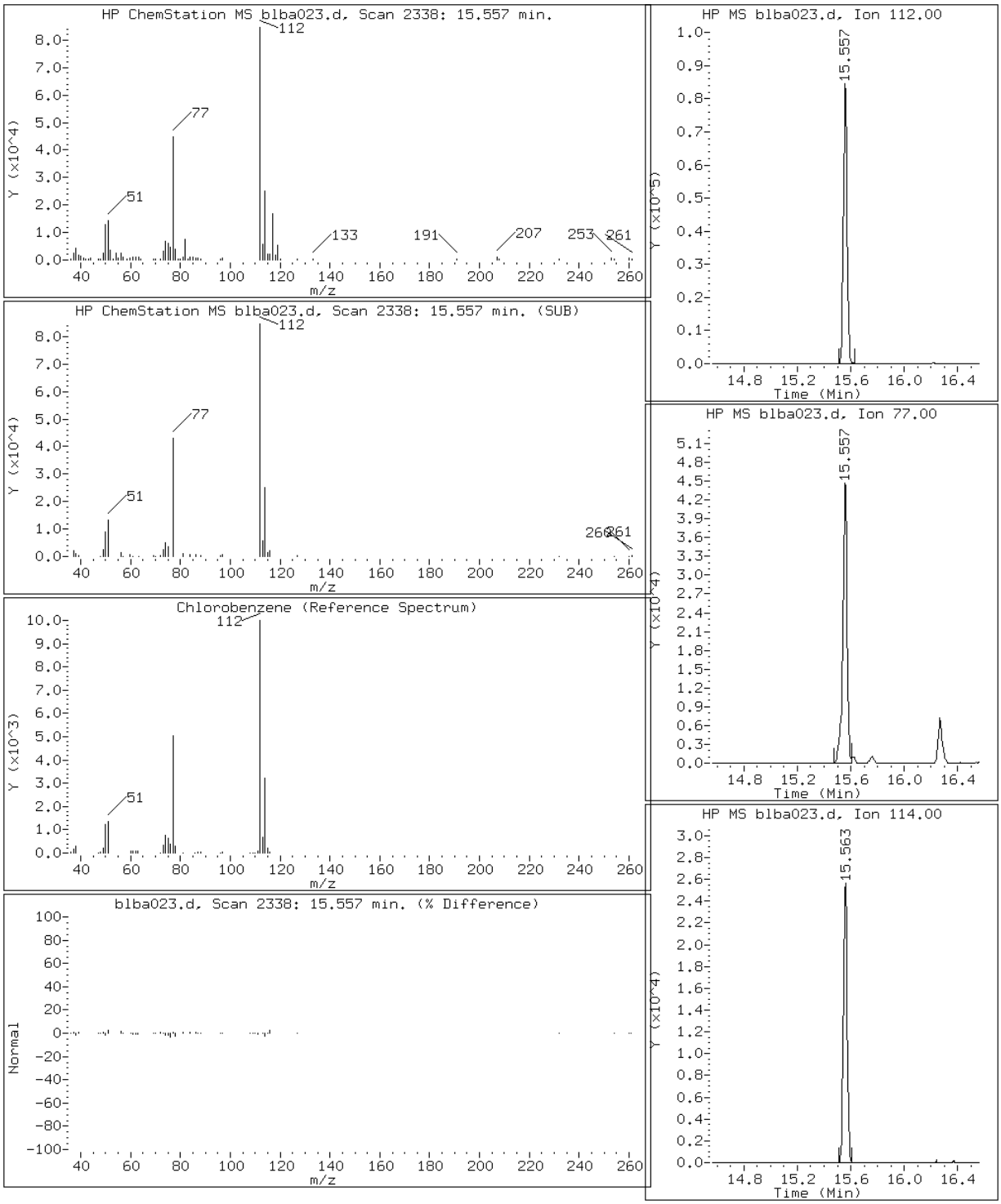
Data File: blba023.d

Lab Sample ID: 200-17995-2 Date: 23-AUG-2013 08:13

Client ID: SV40812-081513 Instrument: B.i

Sample Info: 200-17995-A-2 Operator: pad

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40811-081613 Lab Sample ID: 200-17995-6

Matrix: Air Lab File ID: blba024.d

Analysis Method: TO-15 Date Collected: 08/16/2013 13:13

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 09:04

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	0.26		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.36		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.15		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.055	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.093	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.40		0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.49		0.20	0.016
108-90-7	Chlorobenzene	112.56	0.42		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40811-081613 Lab Sample ID: 200-17995-6

Matrix: Air Lab File ID: blba024.d

Analysis Method: TO-15 Date Collected: 08/16/2013 13:13

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 09:04

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.: 60183 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	0.84		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	1.4		0.75	0.053
127-18-4	Tetrachloroethene	165.83	1.0		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.24	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	0.41	J	2.2	0.096
95-47-6	o-Xylene	106.17	1.7		0.87	0.069
1330-20-7	Xylenes, Total	106.17	2.1		0.87	0.069
108-90-7	Chlorobenzene	112.56	1.9		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-6
Client Smp ID: SV40811-081613
Inj Date : 23-AUG-2013 09:04
Operator : pad Inst ID: B.i
Smp Info : 200-17995-A-6
Misc Info : 200,1,all74
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.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	3.256	3.261	(0.324)	36497	0.47666	0.48(a)
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	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	5.444	5.455	(0.542)	20172	0.23255	0.23
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.517	6.511	(0.649)	4409	0.06378	0.064(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	6.810	6.805	(0.678)	114651	2.90171	2.9(a)

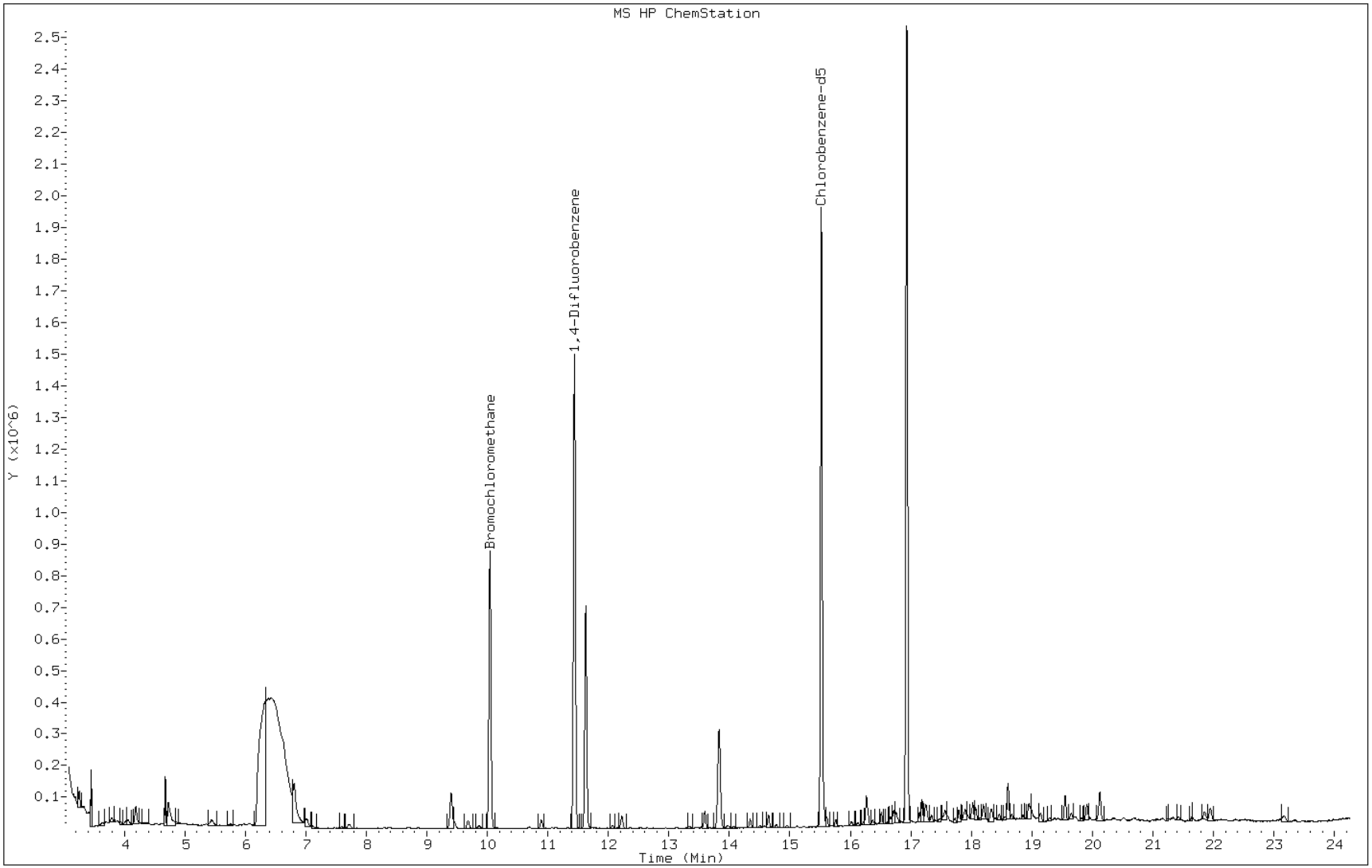
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	7.019	7.024	(0.699)	25016	0.25517	0.26(a)
	22 Isopropanol	45	7.008	7.002	(0.698)	16294	0.48894	0.49(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	7.600	7.600	(0.757)	3689	0.11948	0.12(a)
	26 Tert-butyl alcohol	59	7.718	7.712	(0.768)	21029	0.38986	0.39(a)
	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.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	9.687	9.687	(0.964)	7781	0.39369	0.39(aQ)
*	37 Bromochloromethane	128	10.045	10.044	(1.000)	334475	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	10.893	10.898	(0.952)	31370	0.26433	0.26
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1641408	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	12.217	12.222	(1.068)	8744	0.21559	0.22(aQ)
	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	13.337	13.343	(1.166)	3990	0.06014	0.060(a)
	58 Toluene	92	13.599	13.604	(0.876)	30117	0.36391	0.36
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	11472	0.14914	0.15(a)
	62 2-Hexanone	43	14.512	14.506	(0.935)	7366	0.12068	0.12(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1373846	10.0000	
	66 Chlorobenzene	112	15.558	15.563	(1.002)	47742	0.41592	0.42(Q)
	68 Ethylbenzene	91	15.622	15.621	(1.007)	10012	0.05500	0.055(a)
	69 Xylene (m,p)	106	15.766	15.766	(1.016)	6816	0.09332	0.093(aQ)
M	70 Xylenes, Total	106				35336	0.49360	0.49
	71 Xylene (o)	106	16.267	16.273	(1.048)	28520	0.40028	0.40
	72 Styrene	104	16.294	16.299	(1.050)	22250	0.21963	0.22
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	17.143	17.148	(1.105)	26888	0.11089	0.11(a)
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	21404	0.12530	0.13(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	8022	0.06810	0.068(a)
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	18.845	18.856	(1.214)	6236	0.05406	0.054(a)
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	21.860	21.860	(1.409)	34664	0.22538	0.23(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:	blba024.d	Date:	23-AUG-2013 09:04
Client ID:	SV40811-081613	Instrument:	B.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-6		
Lab Sample ID:	200-17995-6		



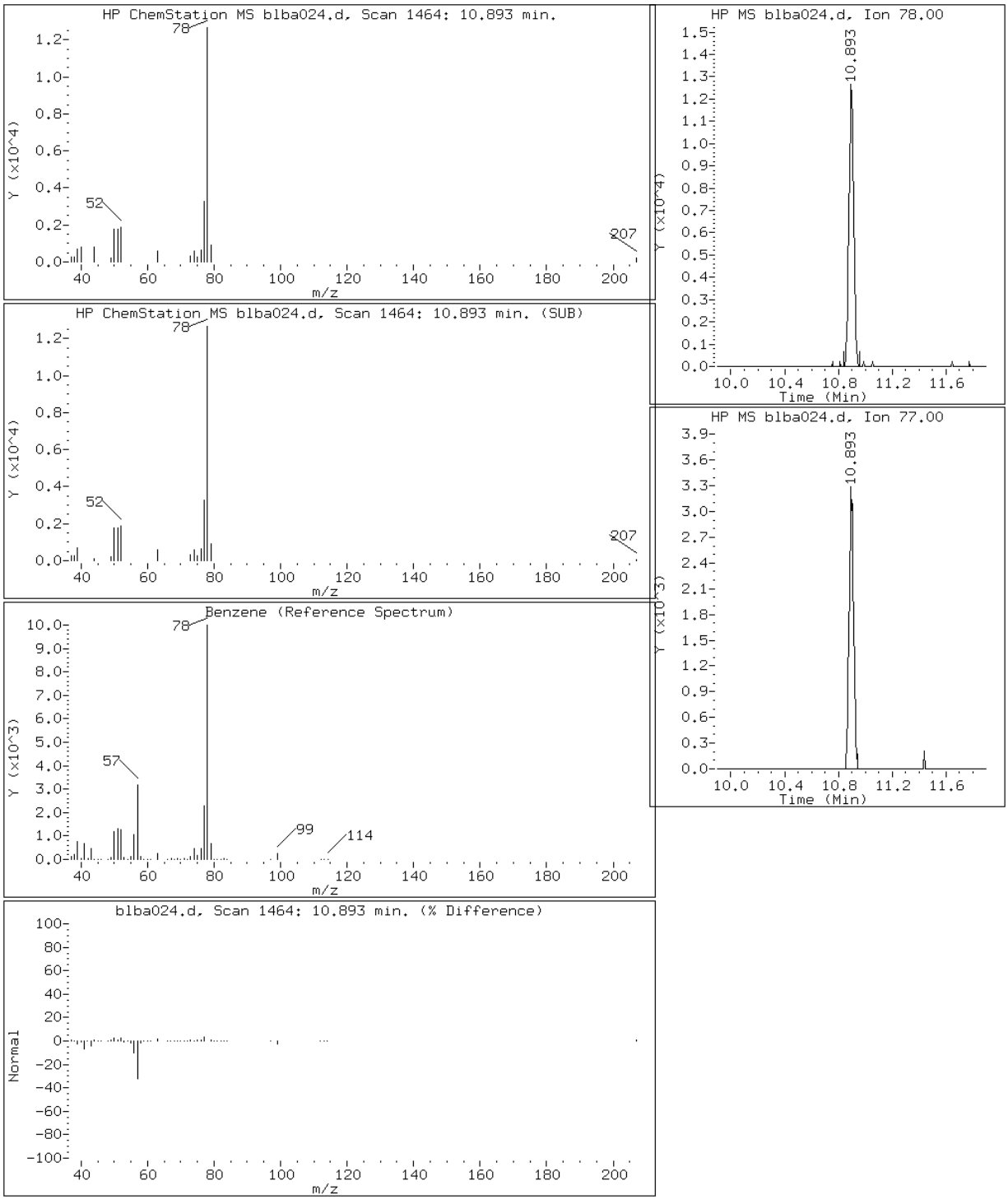
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

44 Benzene



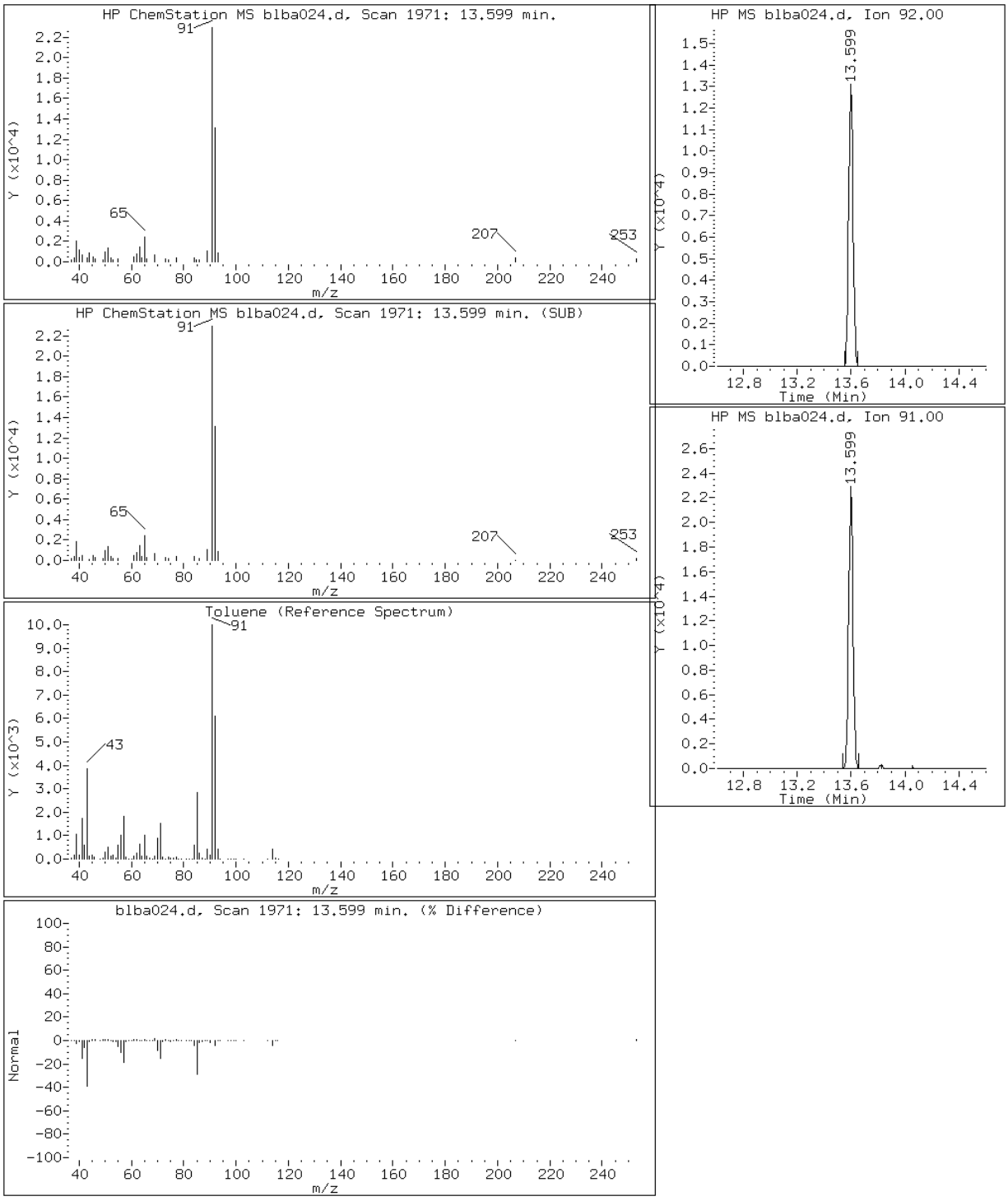
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

58 Toluene



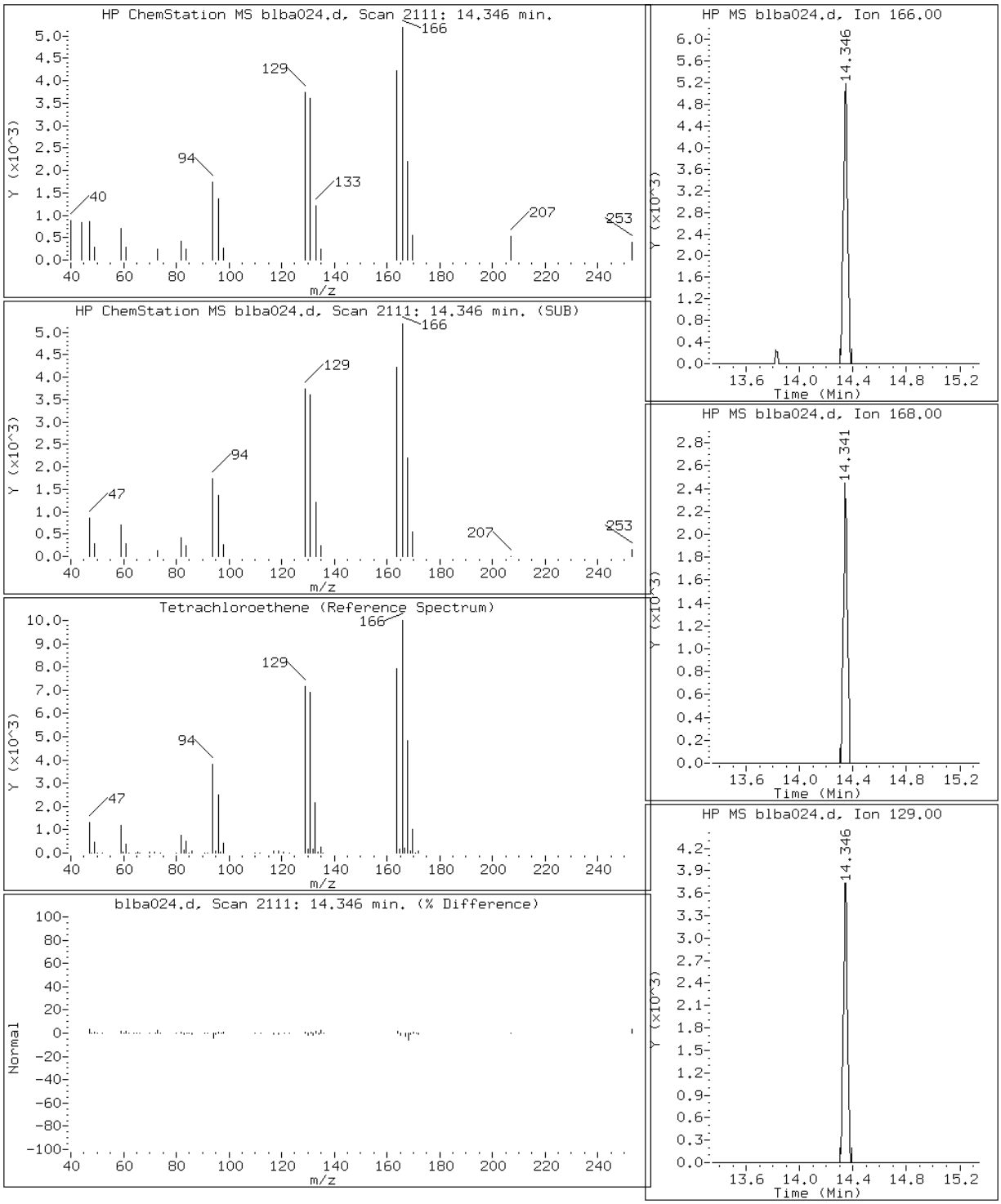
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

61 Tetrachloroethene



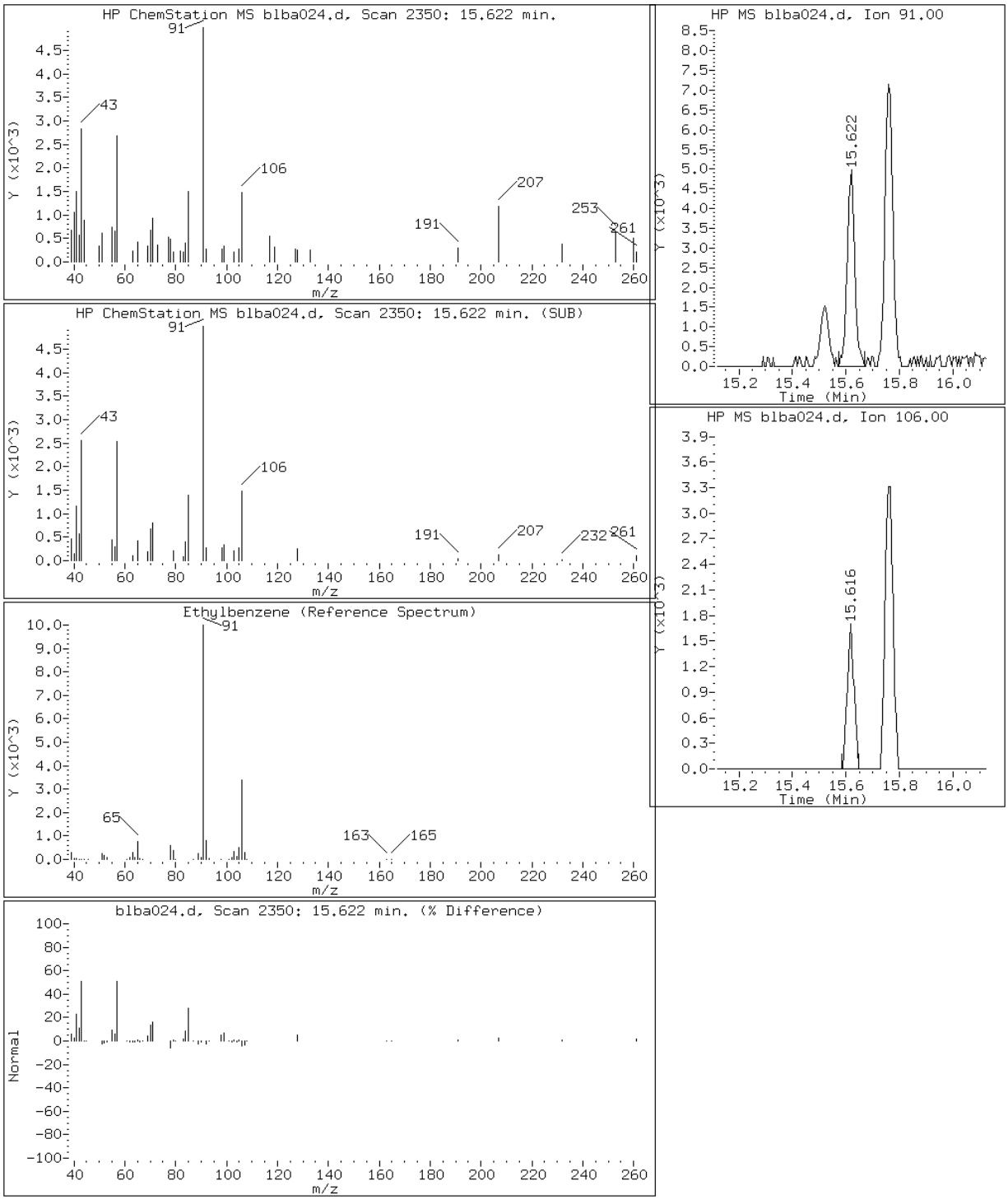
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

68 Ethylbenzene



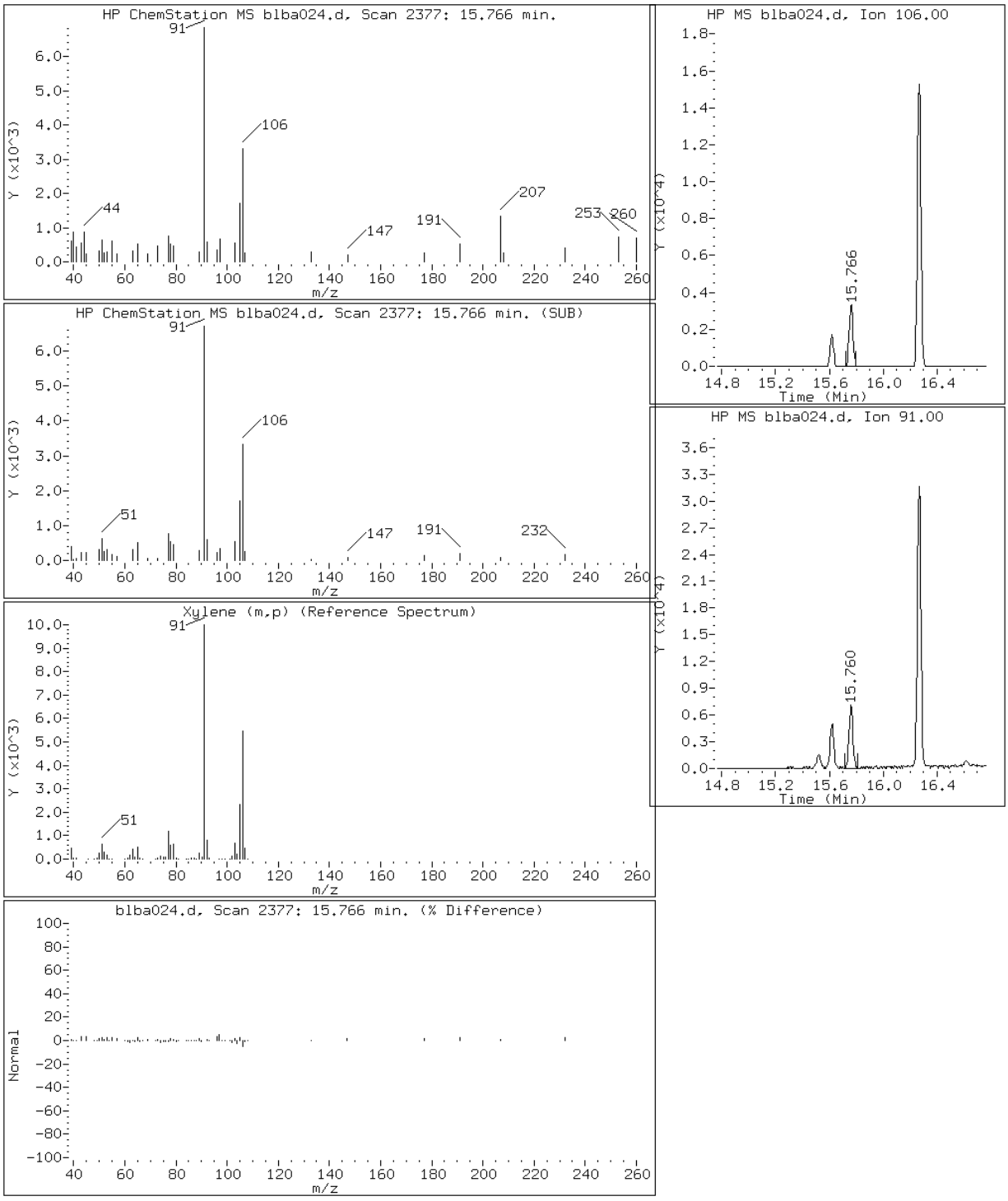
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

69 Xylene (m,p)



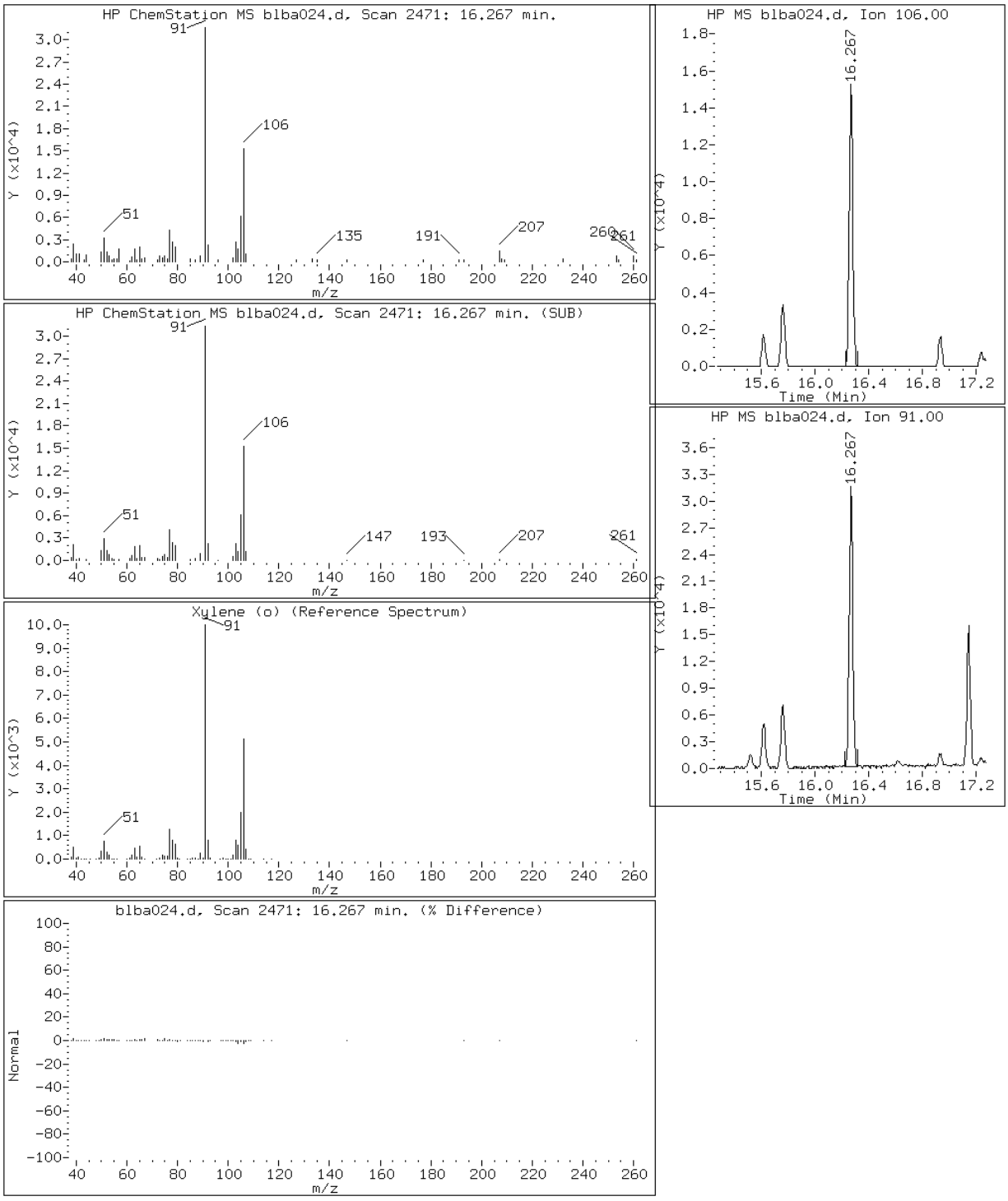
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

71 Xylene (o)



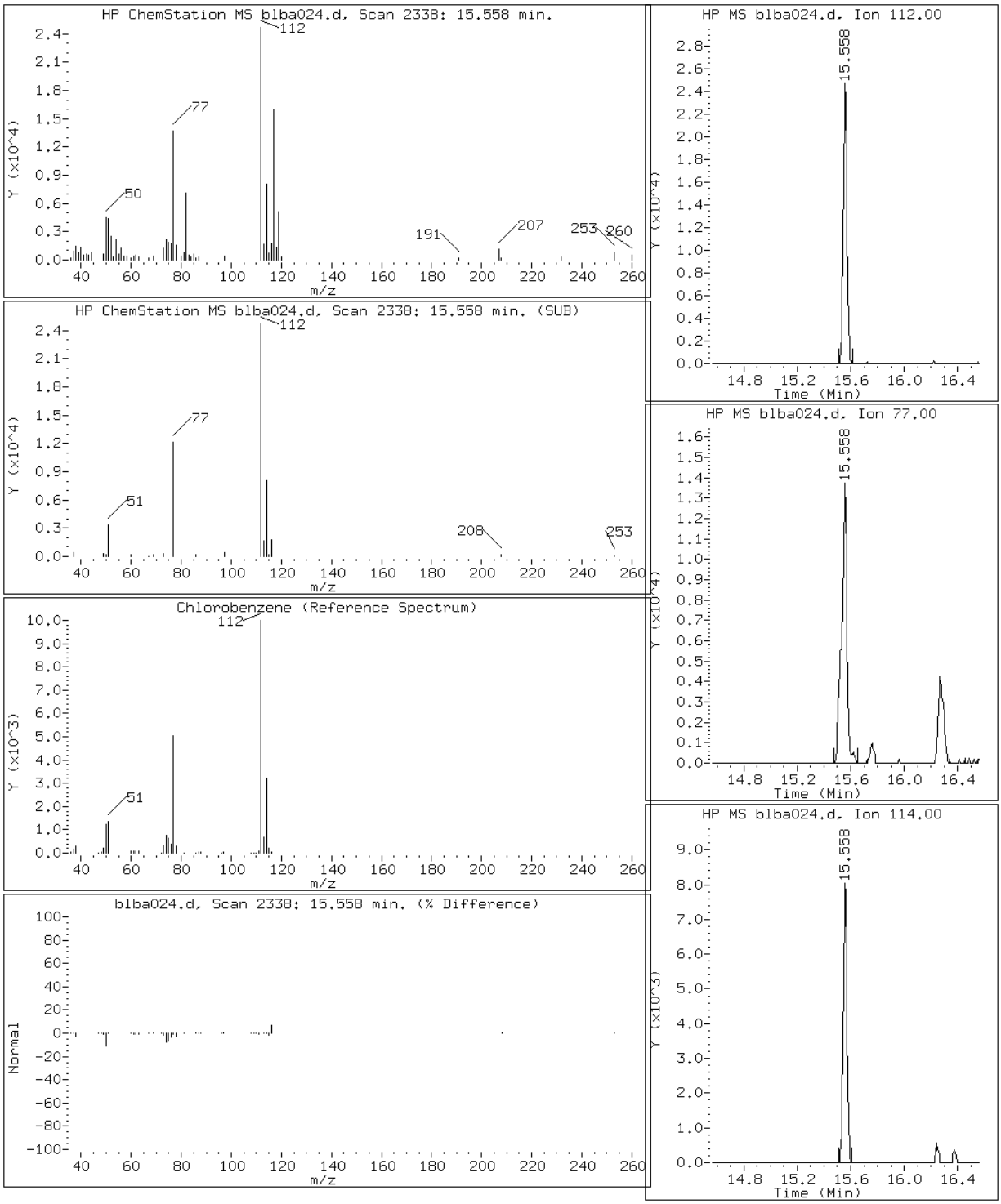
Data File: blba024.d

Lab Sample ID: 200-17995-6 Date: 23-AUG-2013 09:04

Client ID: SV40811-081613 Instrument: B.i

Sample Info: 200-17995-A-6 Operator: pad

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40772-081613 Lab Sample ID: 200-17995-7

Matrix: Air Lab File ID: blba025.d

Analysis Method: TO-15 Date Collected: 08/16/2013 13:19

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 09:56

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	1.2		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	1.8		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.60		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.16	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.28	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.77		0.20	0.016
1330-20-7	Xylenes, Total	106.17	1.0		0.20	0.016
108-90-7	Chlorobenzene	112.56	1.7		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: SV40772-081613 Lab Sample ID: 200-17995-7

Matrix: Air Lab File ID: blba025.d

Analysis Method: TO-15 Date Collected: 08/16/2013 13:19

Sample wt/vol: 200(mL) Date Analyzed: 08/23/2013 09:56

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.: 60183 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	3.9		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	6.8		0.75	0.053
127-18-4	Tetrachloroethene	165.83	4.1		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.70	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.2	J	2.2	0.096
95-47-6	o-Xylene	106.17	3.3		0.87	0.069
1330-20-7	Xylenes, Total	106.17	4.5		0.87	0.069
108-90-7	Chlorobenzene	112.56	7.7		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17995-7
Client Smp ID: SV40772-081613
Inj Date : 23-AUG-2013 09:56
Operator : pad Inst ID: B.i
Smp Info : 200-17995-A-7
Misc Info : 200,1,all74
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all74.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	3.251	3.261	(0.324)	36715	0.46547	0.47(a)
3 Chlorodifluoromethane	51	3.528	3.304	(0.351)	74008	1.59665	1.6(Q)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	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	5.444	5.455	(0.542)	24039	0.26902	0.27
17 1,1,2-Trichloro-1,2,2-trifluo	101	6.501	6.511	(0.648)	4717	0.06624	0.066(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
20 Acetone	43	6.805	6.805	(0.678)	156759	3.85131	3.9(a)

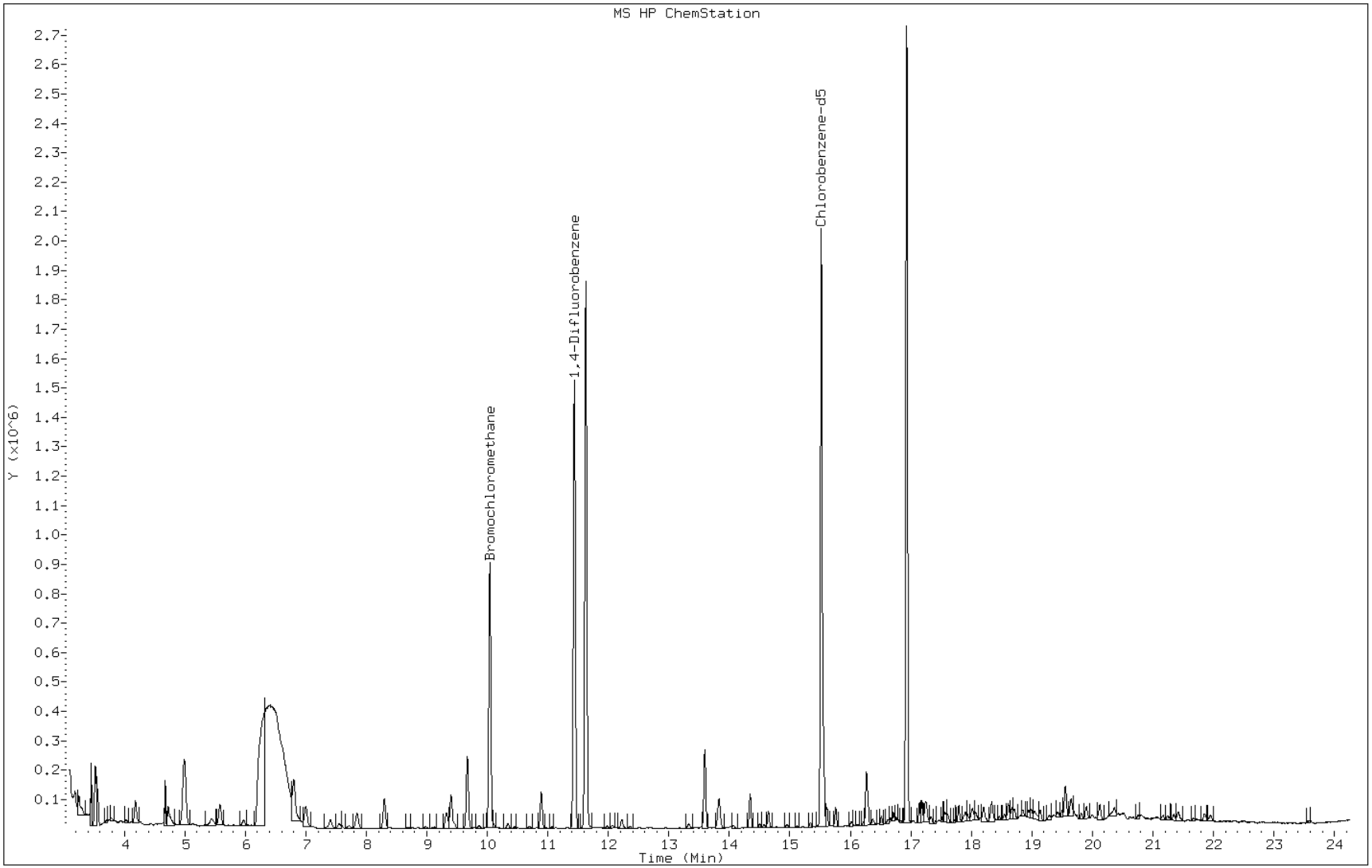
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	21 Carbon disulfide	76	7.019	7.024	(0.699)	31153	0.30847	0.31(a)
	22 Isopropanol	45	6.997	7.002	(0.697)	106616	3.10566	3.1(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	7.595	7.600	(0.757)	6330	0.19901	0.20(a)
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	15965	0.28732	0.29(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	8.299	8.299	(0.827)	75250	1.33245	1.3
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	9.676	9.687	(0.964)	20987	1.03079	1.0(Q)
*	37 Bromochloromethane	128	10.039	10.044	(1.000)	344559	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	10.109	10.114	(1.007)	12992	0.17989	0.18(a)
	40 Cyclohexane	84	10.343	10.349	(0.904)	8735	0.15835	0.16(a)
	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	10.893	10.898	(0.952)	146784	1.20737	1.2
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.064	11.069	(0.967)	3469	0.05979	0.060(aQ)
*	47 1,4-Difluorobenzene	114	11.437	11.448	(1.000)	1681482	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	12.217	12.222	(1.068)	1917	0.04614	0.046(aQ)
	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	13.337	13.343	(1.166)	10371	0.15260	0.15(a)
	58 Toluene	92	13.599	13.604	(0.876)	154657	1.79588	1.8
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	48318	0.60368	0.60
	62 2-Hexanone	43	14.506	14.506	(0.935)	12104	0.19057	0.19(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1429594	10.0000	
	66 Chlorobenzene	112	15.558	15.563	(1.002)	199611	1.67115	1.7
	68 Ethylbenzene	91	15.622	15.621	(1.007)	30360	0.16027	0.16(a)
	69 Xylene (m,p)	106	15.760	15.766	(1.015)	20933	0.27543	0.28(a)
M	70 Xylenes, Total	106				77778	1.04214	1.0
	71 Xylene (o)	106	16.267	16.273	(1.048)	56845	0.76671	0.77
	72 Styrene	104	16.294	16.299	(1.050)	50847	0.48235	0.48
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
76 n-Propylbenzene	91	17.143	17.148	(1.105)	57055	0.22612	0.23
79 4-Ethyltoluene	105	17.265	17.271	(1.112)	17515	0.08056	0.081(aM)
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	17.335	17.340	(1.117)	9950	0.05580	0.056(a)
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	34410	0.19358	0.19(a)
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	18.338	18.343	(1.182)	20520	0.16739	0.17(a)
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	18.664	18.669	(1.203)	19828	0.10399	0.10(a)
92 1,2-Dichlorobenzene	146	18.845	18.856	(1.214)	11541	0.09614	0.096(aQ)
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	21.850	21.860	(1.408)	27582	0.17234	0.17(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:	blba025.d	Date:	23-AUG-2013 09:56
Client ID:	SV40772-081613	Instrument:	B.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17995-A-7		
Lab Sample ID:	200-17995-7		



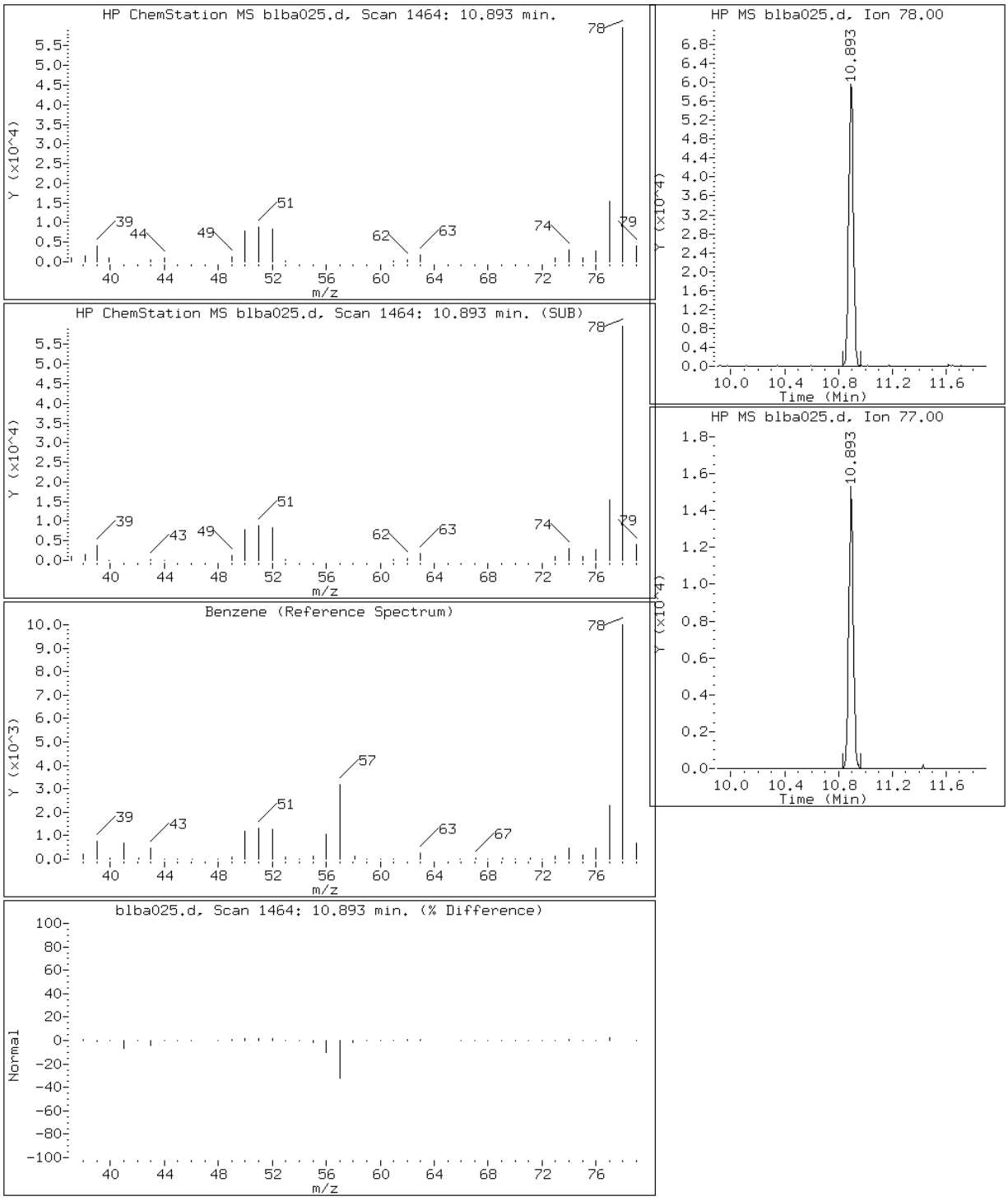
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

44 Benzene



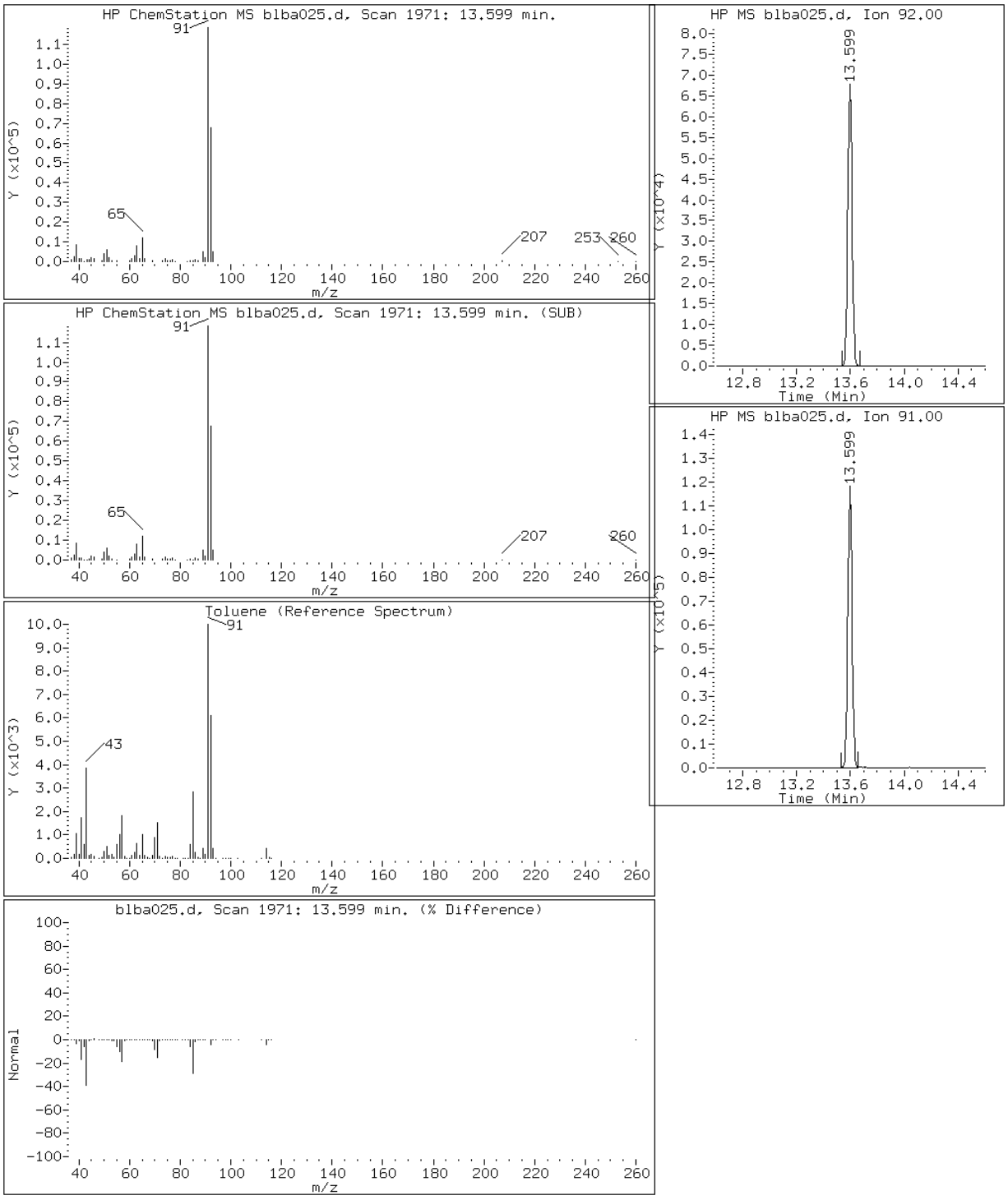
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

58 Toluene



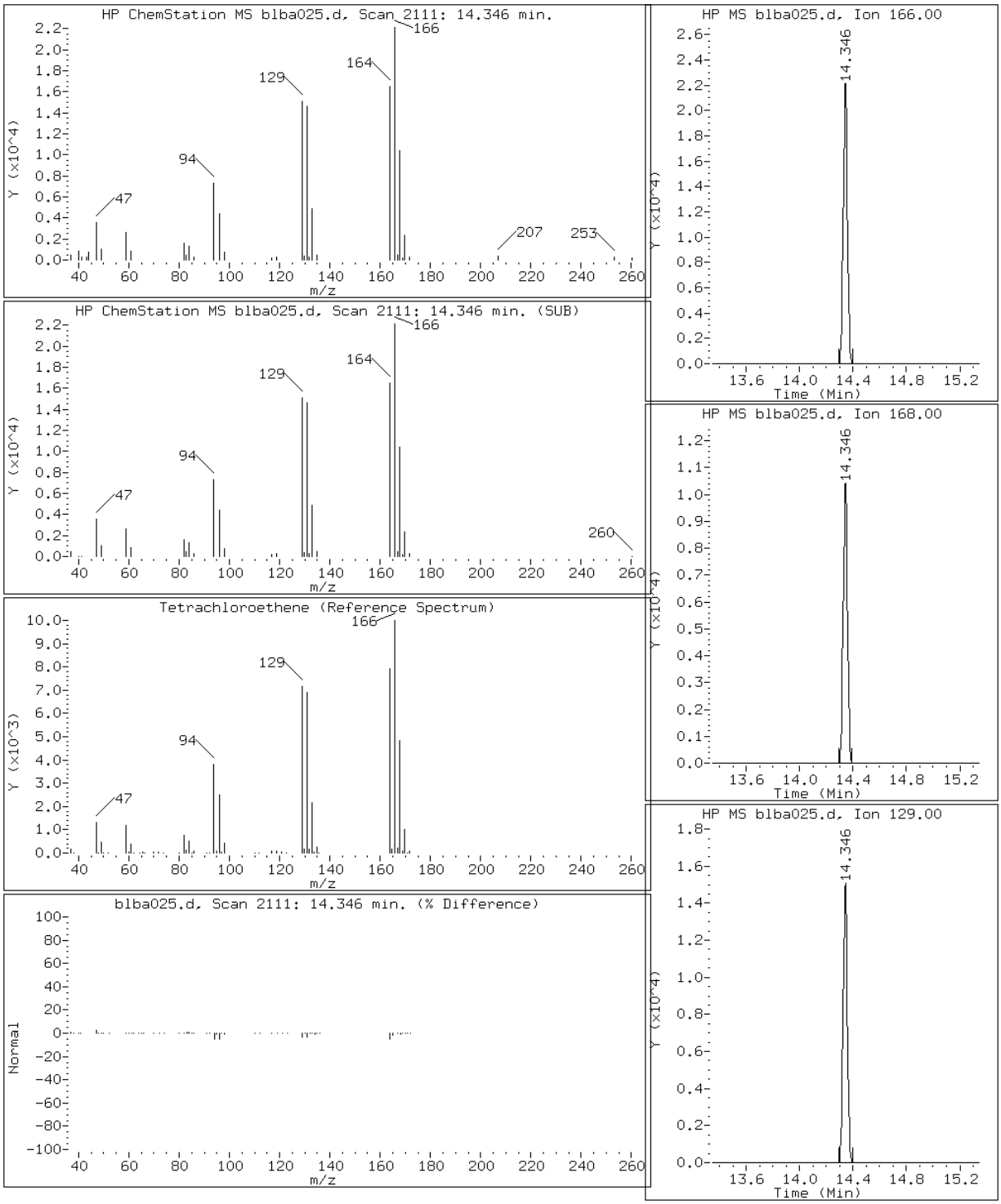
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

61 Tetrachloroethene



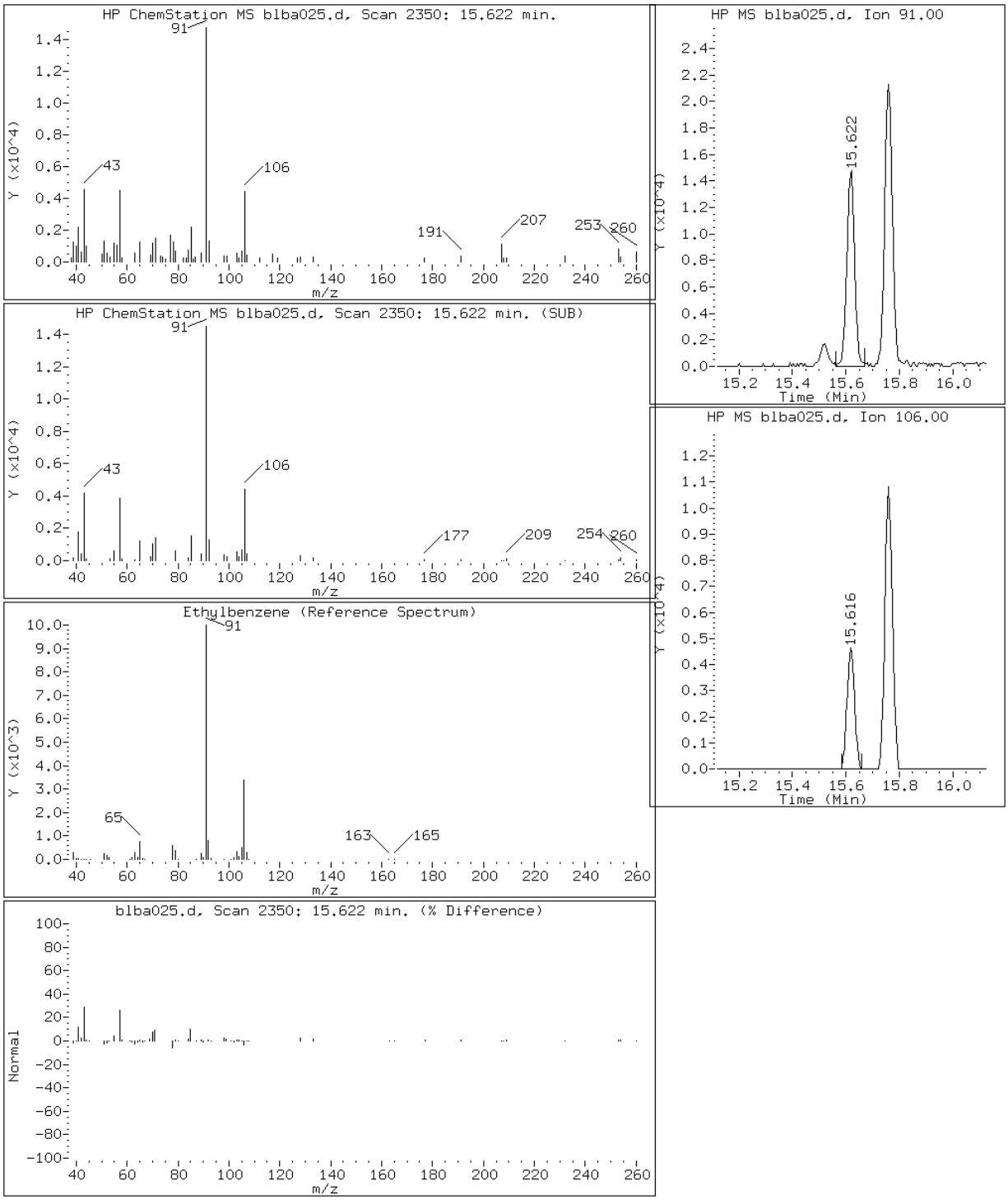
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

68 Ethylbenzene



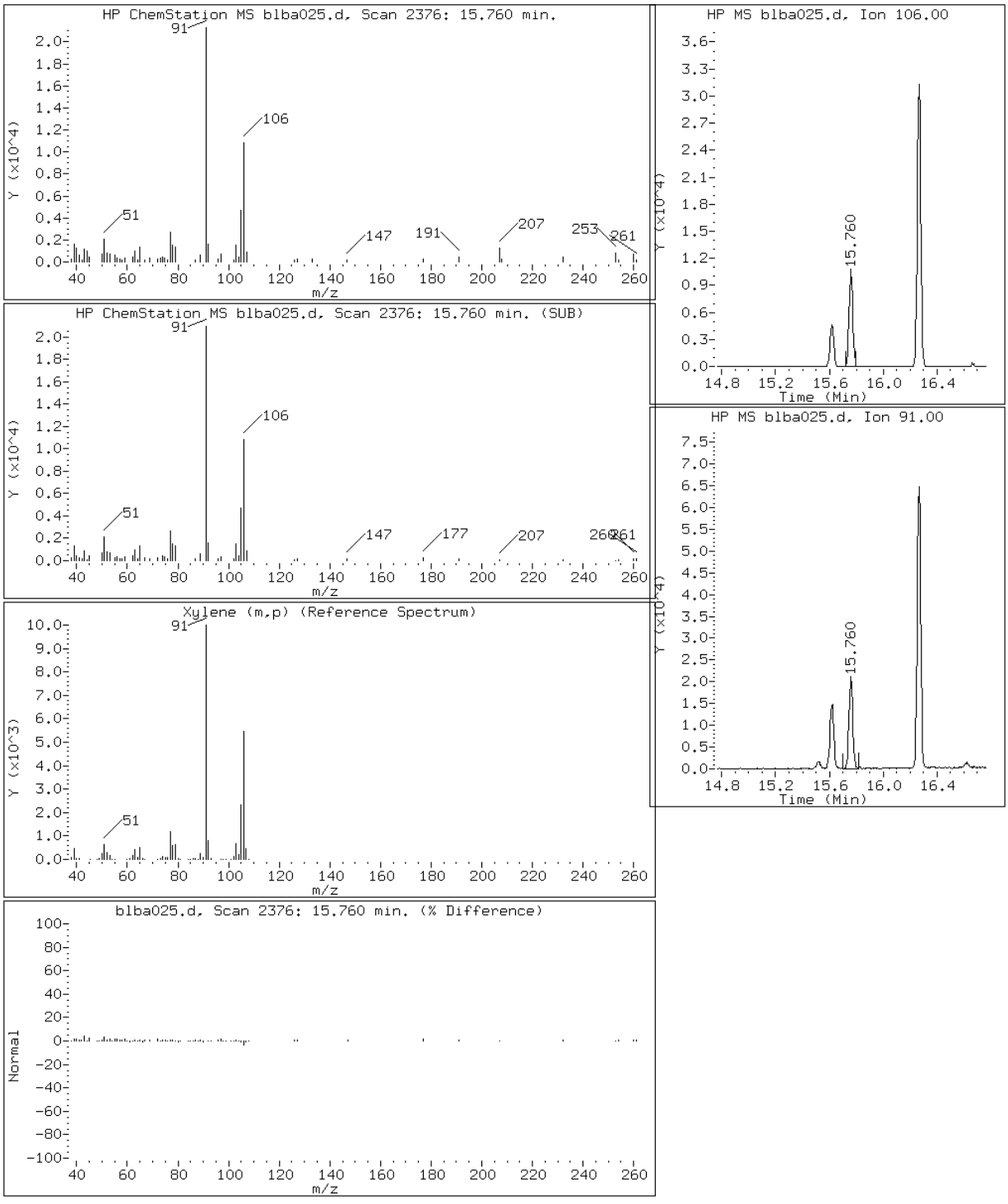
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

69 Xylene (m,p)



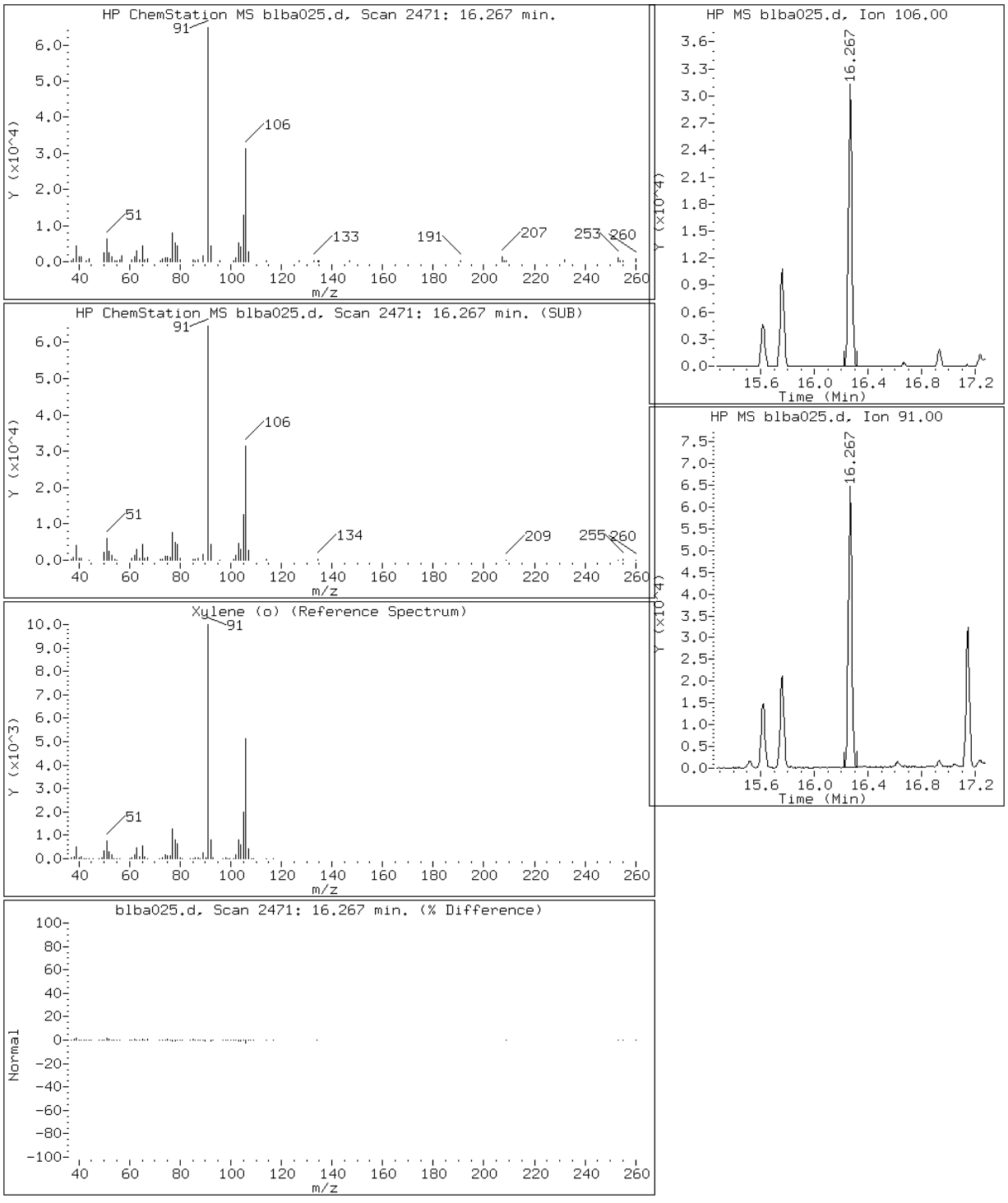
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

71 Xylene (o)



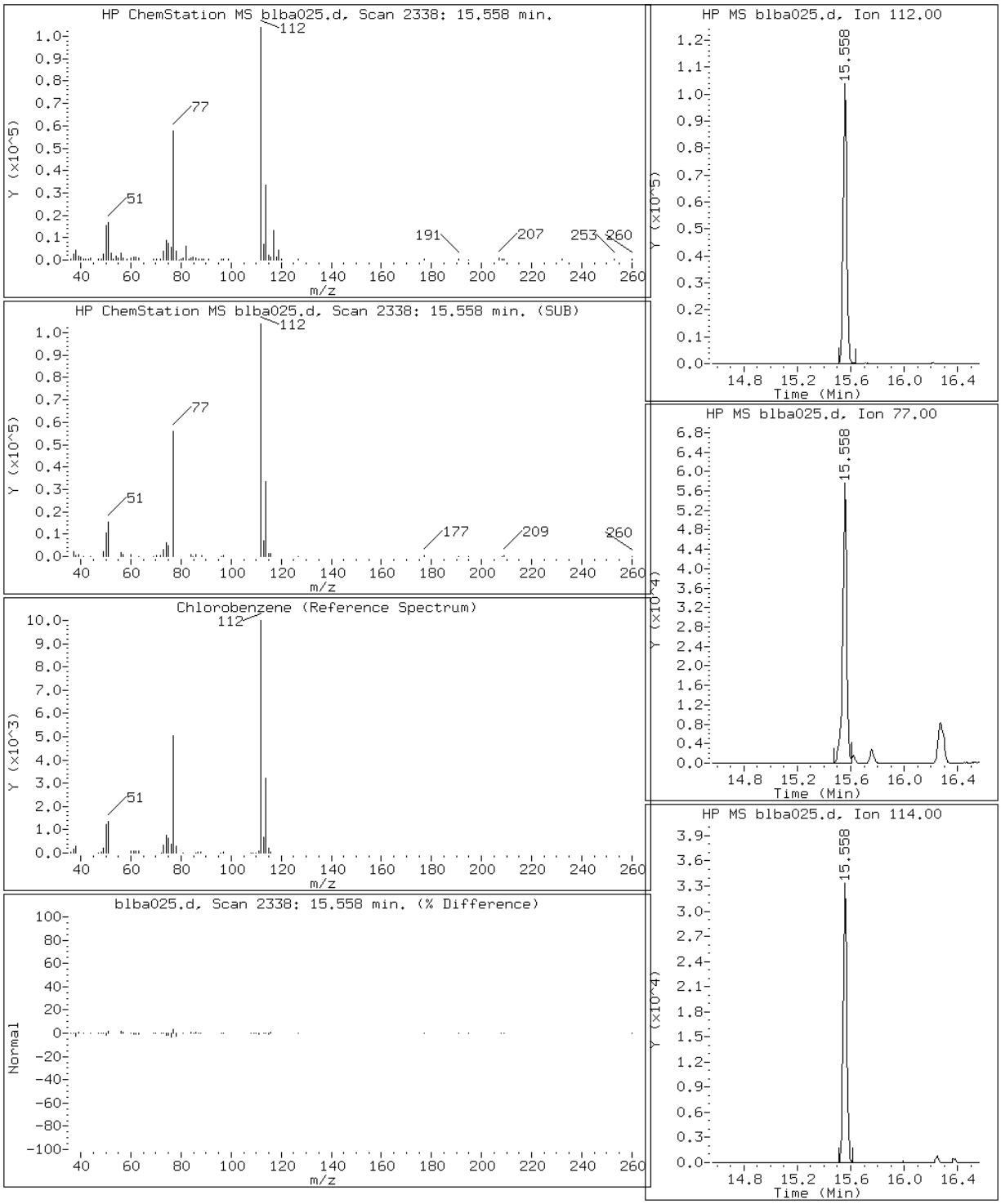
Data File: blba025.d

Lab Sample ID: 200-17995-7 Date: 23-AUG-2013 09:56

Client ID: SV40772-081613 Instrument: B.i

Sample Info: 200-17995-A-7 Operator: pad

66 Chlorobenzene



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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60131/4	blb004.d
Level 2	IC 200-60131/5	blb005.d
Level 3	IC 200-60131/6	blb006.d
Level 4	IC 200-60131/7	blb007.d
Level 5	ICIS 200-60131/17	blb017.d
Level 6	IC 200-60131/9	blb009.d
Level 7	IC 200-60131/11	blb011.d
Level 8	IC 200-60131/12	blb012.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								
Propylene	+++++ 0.6172	+++++ 0.5695	1.0599 0.5162	0.7278	0.5720	Ave		0.6771				29.6		30.0			
Dichlorodifluoromethane	+++++ 2.2472	+++++ 2.0874	2.9708 1.8961	2.4341	2.0998	Ave		2.2892				16.6		30.0			
Freon 22	+++++ 1.2960	+++++ 1.1882	1.8528 1.0871	1.4585	1.1890	Ave		1.3453				20.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.6442	3.7045 2.4684	3.4785 2.2414	2.8684	2.4868	Ave		2.8417				19.4		30.0			
Chloromethane	+++++ 0.7915	+++++ 0.7316	1.1309 0.6783	0.9005	0.7390	Ave		0.8287				20.0		30.0			
n-Butane	+++++ 1.3058	+++++ 1.2251	2.0894 1.1193	1.4934	1.2327	Ave		1.4110				25.1		30.0			
Vinyl chloride	1.4692 1.0059	1.4359 0.9441	1.2985 0.8766	1.0933	0.9548	Ave		1.1348				20.6		30.0			
1,3-Butadiene	+++++ 0.7306	1.0564 0.6855	0.9854 0.6384	0.7950	0.6930	Ave		0.7978				20.2		30.0			
Bromomethane	+++++ 0.9880	1.3302 0.9449	1.2213 0.8972	1.0028	0.9605	Ave		1.0493				15.4		30.0			
Chloroethane	+++++ 0.5395	+++++ 0.5079	0.6974 0.4812	0.5612	0.5175	Ave		0.5508				14.0		30.0			
Isopentane	+++++ 0.9963	1.6584 0.9359	1.4387 0.8833	1.0778	0.9560	Ave		1.1352				26.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0462	1.3783 1.0081	1.2423 0.9599	1.0430	1.0182	Ave		1.0994				13.8		30.0			
Trichlorofluoromethane	+++++ 2.4593	3.1945 2.3603	3.0339 2.2413	2.4922	2.3724	Ave		2.5934				14.2		30.0			
n-Pentane	+++++ 1.4528	+++++ 1.3878	2.0934 1.3267	1.5621	1.4312	Ave		1.5423				18.2		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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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								
Ethanol	+++++ 0.3446	+++++ 0.3075	0.3895 0.2836	0.3759	0.3513	Ave		0.3421				11.8		30.0			
Ethyl ether	+++++ 0.6823	0.9008 0.6542	0.8217 0.6329	0.7165	0.6710	Ave		0.7256				13.6		30.0			
Freon TF	+++++ 1.9323	2.6102 1.8869	2.3240 1.8379	1.9625	1.9128	Ave		2.0667				14.0		30.0			
Acrolein	+++++ 0.3684	+++++ 0.3486	+++++ 0.3477	0.3668	0.3614	Ave		0.3586				2.8		30.0			
1,1-Dichloroethene	+++++ 0.9278	1.2502 0.9011	1.1421 0.8805	0.9514	0.9245	Ave		0.9968				14.2		30.0			
Acetone	+++++ 1.1626	+++++ 1.1393	+++++ 1.0058	1.4405	1.1583	Ave		1.1813				13.4		30.0			
Isopropyl alcohol	+++++ 1.0081	+++++ 0.9486	+++++ 0.8819	1.1310	1.0121	Ave		0.9963				9.2		30.0			
Carbon disulfide	+++++ 2.8402	+++++ 2.7698	3.5343 2.6441	2.9995	2.7986	Ave		2.9311				10.8		30.0			
3-Chloropropene	+++++ 0.9264	1.3823 0.8834	1.2133 0.8464	0.9938	0.9131	Ave		1.0227				19.5		30.0			
Acetonitrile	+++++ 0.5588	+++++ 0.5324	+++++ 0.5014	0.6247	0.5596	Ave		0.5554				8.2		30.0			
Methylene Chloride	+++++ 0.8678	+++++ 0.8311	1.2425 0.7937	0.9479	0.8556	Ave		0.9231				17.8		30.0			
tert-Butyl alcohol	+++++ 1.6379	+++++ 1.5547	+++++ 1.4589	1.7620	1.6498	Ave		1.6127				7.0		30.0			
Methyl tert-butyl ether	+++++ 2.6959	3.6212 2.6289	3.3179 2.5400	2.7630	2.6771	Ave		2.8920				14.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.3413	1.8160 1.2975	1.6891 1.2587	1.4024	1.3312	Ave		1.4480				14.9		30.0			
Acrylonitrile	+++++ 0.6538	+++++ 0.6278	0.8122 0.6060	0.6997	0.6483	Ave		0.6746				11.0		30.0			
n-Hexane	+++++ 1.4621	2.3082 1.4154	1.9373 1.3708	1.5333	1.4461	Ave		1.6391				21.4		30.0			
1,1-Dichloroethane	2.3929 1.6751	2.2555 1.6230	2.1352 1.5663	1.7511	1.6538	Ave		1.8816				17.3		30.0			
Vinyl acetate	+++++ 2.1234	+++++ 2.0274	+++++ 1.9594	2.2344	2.0550	Ave		2.0799				5.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.0891	1.4335 1.0658	1.3312 1.0335	1.1036	1.0749	Ave		1.1617				13.4		30.0			
Ethyl acetate	+++++ 0.0995	+++++ 0.0985	+++++ 0.0955	0.1016	0.0990	Ave		0.0988				2.2		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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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								
Methyl Ethyl Ketone	+++++ 0.5223	+++++ 0.5099	0.9620 0.4849	0.5486	0.5178	Ave		0.5909				31.0	*	30.0			
Tetrahydrofuran	+++++ 0.1857	+++++ 0.1773	+++++ 0.1736	0.1981	0.1814	Ave		0.1832				5.2		30.0			
Chloroform	+++++ 1.9523	2.6143 1.8932	2.4269 1.8309	2.0238	1.9311	Ave		2.0961				14.3		30.0			
Cyclohexane	+++++ 0.3123	0.4010 0.3049	0.3638 0.3054	0.3074	0.3016	Ave		0.3281				11.8		30.0			
1,1,1-Trichloroethane	+++++ 0.4189	0.5362 0.4105	0.4852 0.4093	0.4142	0.4053	Ave		0.4400				11.5		30.0			
Carbon tetrachloride	0.6166 0.4441	0.5629 0.4374	0.5196 0.4394	0.4366	0.4311	Ave		0.4859				14.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.9622	1.2719 0.9336	1.1600 0.9278	0.9876	0.9313	Ave		1.0249				13.3		30.0			
Benzene	+++++ 0.6654	0.9431 0.6494	0.8343 0.6429	0.6774	0.6486	Ave		0.7230				16.3		30.0			
1,2-Dichloroethane	+++++ 0.2440	0.3215 0.2372	0.2951 0.2320	0.2522	0.2372	Ave		0.2599				13.3		30.0			
n-Heptane	+++++ 0.3091	0.4868 0.3007	0.3994 0.2972	0.3229	0.2993	Ave		0.3450				20.9		30.0			
n-Butanol	+++++ 0.1186	+++++ 0.1133	+++++ 0.1118	0.1304	0.1181	Ave		0.1184				6.2		30.0			
Trichloroethene	0.4231 0.2948	0.3780 0.2911	0.3487 0.2903	0.2934	0.2861	Ave		0.3257				15.9		30.0			
1,2-Dichloropropane	+++++ 0.2335	0.3240 0.2271	0.2784 0.2257	0.2390	0.2264	Ave		0.2506				14.9		30.0			
Methyl methacrylate	+++++ 0.2468	+++++ 0.2419	0.2706 0.2426	0.2426	0.2380	Ave		0.2471				4.8		30.0			
1,4-Dioxane	+++++ 0.1058	+++++ 0.1014	+++++ 0.0963	0.1119	0.1046	Ave		0.1040				5.5		30.0			
Dibromomethane	+++++ 0.2995	0.3722 0.2977	0.3464 0.3017	0.2886	0.2937	Ave		0.3143				10.2		30.0			
Bromodichloromethane	+++++ 0.4614	0.5635 0.4527	0.5340 0.4484	0.4592	0.4447	Ave		0.4806				9.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.3739	0.4762 0.3663	0.4389 0.3654	0.3744	0.3640	Ave		0.3942				11.4		30.0			
Methyl isobutyl ketone	+++++ 0.3991	+++++ 0.3850	0.4646 0.3789	0.4120	0.3855	Ave		0.4042				7.9		30.0			
n-Octane	+++++ 0.4415	0.7079 0.4302	0.5562 0.4262	0.4614	0.4272	Ave		0.4930				21.4		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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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								
Toluene	+++++ 0.5552	0.7577 0.5487	0.6856 0.5516	0.5592	0.5588	Ave		0.6024				14.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3827	0.4878 0.3749	0.4411 0.3736	0.3822	0.3727	Ave		0.4022				11.1		30.0			
1,1,2-Trichloroethane	+++++ 0.2653	0.3752 0.2611	0.3218 0.2632	0.2711	0.2658	Ave		0.2891				15.1		30.0			
Tetrachloroethene	0.7098 0.5015	0.6579 0.5042	0.5864 0.5219	0.4890	0.5083	Ave		0.5599				14.9		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4268	+++++ 0.4134	0.5371 0.4119	0.4503	0.4263	Ave		0.4443				10.7		30.0			
Dibromochloromethane	+++++ 0.5640	0.7304 0.5618	0.6311 0.5753	0.5520	0.5623	Ave		0.5967				10.8		30.0			
1,2-Dibromoethane	+++++ 0.5044	0.6608 0.5001	0.5849 0.5052	0.5034	0.5048	Ave		0.5376				11.6		30.0			
Alpha Methyl Styrene	+++++ 0.6369	0 0.6355	0.2165 0.6349	0.6114	0.6329	Ave		0.5613				30.1	*	30.0			
Chlorobenzene	+++++ 0.7793	1.0134 0.7761	0.9318 0.7839	0.7789	0.7851	Ave		0.8355				11.6		30.0			
n-Nonane	+++++ 0.5468	0.7039 0.5381	0.6593 0.5356	0.5508	0.5410	Ave		0.5822				11.9		30.0			
Ethylbenzene	+++++ 1.2593	1.6040 1.2462	1.4601 1.2103	1.2438	1.2520	Ave		1.3251				11.2		30.0			
m-Xylene & p-Xylene	+++++ 0.5081	0.6262 0.5069	0.5744 0.5039	0.4987	0.5033	Ave		0.5316				9.3		30.0			
o-Xylene	+++++ 0.4865	0.6372 0.4847	0.5595 0.4934	0.4817	0.4873	Ave		0.5186				11.4		30.0			
Styrene	+++++ 0.7919	0.4897 0.7901	0.7312 0.8041	0.7674	0.7873	Ave		0.7374				15.2		30.0			
Bromoform	+++++ 0.6221	0.7362 0.6249	0.6601 0.6489	0.5951	0.6158	Ave		0.6433				7.2		30.0			
Cumene	+++++ 1.3972	1.8594 1.3904	1.6297 1.3984	1.3951	1.4017	Ave		1.4960				12.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7152	0.9740 0.7022	0.8510 0.6958	0.7299	0.7083	Ave		0.7680				13.7		30.0			
n-Propylbenzene	+++++ 1.6807	2.1285 1.6621	1.9146 1.6091	1.6864	1.6735	Ave		1.7650				10.6		30.0			
1,2,3-Trichloropropane	+++++ 0.5446	+++++ 0.5345	0.6345 0.5153	0.5423	0.5351	Ave		0.5510				7.6		30.0			
n-Decane	+++++ 0.7069	+++++ 0.6911	0.8219 0.6725	0.7049	0.6949	Ave		0.7154				7.5		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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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								
4-Ethyltoluene	+++++ 1.4567	1.7921 1.4560	1.6372 1.4102	1.4400	1.4532	Ave		1.5208				9.3		30.0			
2-Chlorotoluene	+++++ 1.1762	1.4844 1.1701	1.2894 1.1378	1.1574	1.1628	Ave		1.2254				10.2		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2151	1.4721 1.2110	1.3260 1.1217	1.1858	1.1997	Ave		1.2473				9.3		30.0			
tert-Butylbenzene	+++++ 1.1609	1.4380 1.1575	1.3251 1.1411	1.1514	1.1595	Ave		1.2190				9.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1880	1.4760 1.1880	1.3210 1.1711	1.1786	1.1814	Ave		1.2434				9.3		30.0			
sec-Butylbenzene	+++++ 1.7521	2.3740 1.7335	2.0491 1.6857	1.7628	1.7434	Ave		1.8715				13.4		30.0			
4-Isopropyltoluene	+++++ 1.5087	1.7927 1.4835	1.6232 1.4800	1.4849	1.4996	Ave		1.5532				7.5		30.0			
1,3-Dichlorobenzene	+++++ 0.8538	0.9910 0.8610	0.8894 0.8535	0.8287	0.8443	Ave		0.8745				6.2		30.0			
1,4-Dichlorobenzene	+++++ 0.8422	0.9728 0.8499	0.8458 0.8509	0.8082	0.8325	Ave		0.8575				6.2		30.0			
Benzyl chloride	+++++ 1.0457	1.1040 1.0141	0.9575 1.0174	0.9837	1.0171	Ave		1.0200				4.6		30.0			
n-Undecane	+++++ 0.7553	+++++ 0.7385	+++++ 0.7837	0.7877	0.7422	Ave		0.7615				3.0		30.0			
n-Butylbenzene	+++++ 1.3387	1.4478 1.2581	1.3497 1.2972	1.3272	1.3173	Ave		1.3337				4.4		30.0			
1,2-Dichlorobenzene	+++++ 0.8120	0.9789 0.8065	0.8592 0.8151	0.8008	0.8054	Ave		0.8397				7.7		30.0			
n-Dodecane	+++++ 0.7203	+++++ 0.7181	+++++ 0.7388	0.6381	0.6976	Ave		0.7026				5.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5881	+++++ 0.6376	0.3314 0.7080	0.5036	0.5518	Ave		0.5534				23.4		30.0			
Hexachlorobutadiene	+++++ 0.6488	0.8311 0.6819	0.7075 0.7291	0.6120	0.6490	Ave		0.6942				10.4		30.0			
Naphthalene	+++++ 1.2169	+++++ 1.3000	0.5730 1.3646	1.1040	1.1584	Ave		1.1195				25.3		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5441	0.3147 0.5713	0.3108 0.6190	0.4535	0.5167	Ave		0.4757				25.7		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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-60131/4	blb004.d
Level 2	IC 200-60131/5	blb005.d
Level 3	IC 200-60131/6	blb006.d
Level 4	IC 200-60131/7	blb007.d
Level 5	ICIS 200-60131/17	blb017.d
Level 6	IC 200-60131/9	blb009.d
Level 7	IC 200-60131/11	blb011.d
Level 8	IC 200-60131/12	blb012.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
Propylene	BCM	Ave	+++++ 364896	+++++ 466498	18823 884499	130342	229588	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1328570	+++++ 1709699	52758 3249002	435905	842744	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 766252	+++++ 973182	32903 1862808	261184	477210	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1563337	26374 2021776	61773 3840798	513673	998086	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 467974	+++++ 599235	20084 1162327	161263	296613	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 772019	+++++ 1003446	37105 1917937	267445	494753	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	2117 594730	10223 773318	23060 1502031	195789	383213	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 431944	7521 561492	17499 1093947	142372	278141	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 584105	9470 773964	21688 1537355	179590	385488	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 318980	+++++ 416034	12385 824480	100508	207700	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 589056	11807 766596	25549 1513529	193021	383687	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 618508	9813 825733	22061 1644771	186773	408646	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1453996	22743 1933284	53879 3840527	446312	952162	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 858934	+++++ 1136668	37177 2273401	279738	574432	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 271631	+++++ 503762	69178 1215116	134622	211505	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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
Ethyl ether	BCM	Ave	+++++ 403378	6413 535806	14593 1084455	128314	269300	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1142439	18583 1545504	41272 3149362	351453	767693	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 217783	+++++ 285503	+++++ 595732	65692	145063	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 548535	8901 738095	20283 1508718	170383	371066	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 687364	+++++ 933179	+++++ 1723467	257965	464881	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 596011	+++++ 776952	+++++ 1511187	202535	406214	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1679165	+++++ 2268646	62764 4530719	537150	1123212	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 547712	9841 723605	21547 1450398	177976	366461	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 330382	+++++ 436073	+++++ 859142	111868	224590	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 513075	+++++ 680760	22066 1360107	169759	343403	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 968370	+++++ 1273412	+++++ 2499890	315543	662139	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1593888	25781 2153230	58921 4352392	494802	1074457	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 793034	12929 1062713	29997 2156769	251148	534263	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 386532	+++++ 514236	14423 1038354	125299	260185	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 864450	16433 1159349	34404 2349011	274589	580399	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3448 990373	16058 1329343	37919 2683870	313590	663752	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 1255404	+++++ 1660597	+++++ 3357460	400140	824782	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 643871	10206 872993	23640 1770924	197630	431408	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 58842	+++++ 80700	+++++ 163693	18199	39743	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 308804	+++++ 417606	17084 830816	98237	207833	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 527615	+++++ 694849	+++++ 1391242	173963	355770	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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
Chloroform	BCM	Ave	+++++ 1154253	18612 1550664	43099 3137425	362425	775042	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 887269	14059 1194619	31895 2447519	269917	591500	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1190084	18798 1608746	42543 3280664	363771	794761	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4346 1261544	19732 1714125	45557 3521368	383377	845366	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2733396	44589 3658454	101710 7435749	867243	1826395	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 1890422	33061 2544619	73153 5152163	594898	1272008	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 693210	11270 929518	25874 1859333	221461	465217	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 878250	17064 1178243	35016 2381550	283594	586971	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 337064	+++++ 443792	+++++ 895650	114537	231654	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2982 837643	13253 1140846	30578 2326861	257659	561099	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 663278	11359 890069	24407 1808821	209917	443912	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 701244	+++++ 948007	23726 1944535	213056	466711	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 300456	+++++ 397163	+++++ 771570	98282	205195	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 850963	13048 1166456	30376 2417990	253471	576001	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1310763	19753 1773898	46823 3593860	403276	872199	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1062249	16693 1435543	38487 2928245	328755	713931	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1133816	+++++ 1508643	40739 3036489	361804	756054	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1254397	24817 1685671	48771 3415942	405174	837783	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1457135	23069 1975526	53599 4012684	448079	976545	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1087319	17100 1469230	38679 2994408	335626	730880	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 696284	11422 940139	25160 1914780	217182	464555	+++++ 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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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
Tetrachloroethene	CBZ	Ave	4389 1316118	20029 1815261	45849 3796949	391839	888395	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1120194	+++++ 1488292	41989 2996726	360783	745014	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1480065	22236 2022686	49343 4184961	442301	982805	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1323701	20117 1800609	45729 3675293	403324	882168	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 1671408	0 2288095	16925 4618846	489862	1106133	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 2045210	30855 2794312	72850 5702957	624126	1372177	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 1435109	21431 1937423	51547 3896249	441308	945457	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 3304941	48834 4487029	114153 8804321	996605	2188050	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2666681	38130 3649944	89815 7331276	799240	1759192	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 1276824	19400 1744959	43743 3589617	386000	851609	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 2078180	14908 2844608	57170 5849971	614896	1375924	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1632720	22414 2249803	51605 4720503	476867	1076259	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 3666880	56609 5006139	127418 10172692	1117811	2449722	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1876937	29653 2528258	66535 5061543	584817	1237914	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 4410959	64803 5984168	149690 11706035	1351234	2924750	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1429268	+++++ 1924463	49605 3748796	434486	935143	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1855228	+++++ 2488121	64262 4892519	564787	1214570	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 3822997	54560 5242086	128003 10259076	1153795	2539824	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 3086747	45194 4212948	100810 8276929	927383	2032254	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3188933	44818 4360268	103674 8160317	950102	2096676	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 3046572	43780 4167383	103601 8301040	922532	2026451	+++++ 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.: 200-17995-1 Analy Batch No.: 60131

SDG No.: 200-17995

Instrument ID: B.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/21/2013 10:53 Calibration End Date: 08/21/2013 22:12 Calibration ID: 23002

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3117719	44937 4277358	103280 8519270	944352	2064684	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 4598169	72278 6241363	160202 12262887	1412428	3046895	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 3959507	54581 5341197	126903 10766812	1189793	2620819	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2240686	30171 3100048	69534 6209065	664006	1475555	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2210242	29618 3060019	66128 6190205	647581	1454987	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 2744275	33613 3651346	74863 7401609	788225	1777587	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 1982129	+++++ 2658851	+++++ 5701556	631188	1297151	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 3513380	44079 4529682	105526 9437156	1063434	2302268	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2131064	29802 2903799	67177 5929434	641661	1407609	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 1890469	+++++ 2585408	+++++ 5374937	511321	1219275	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1543384	+++++ 2295672	25908 5150355	403550	964463	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1702589	25303 2455240	55317 5303856	490359	1134201	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 3193634	+++++ 4680613	44802 9926968	884594	2024514	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1427951	9582 2056906	24301 4503368	363406	903009	+++++ 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/B.i/Bsvr.p/blbto15.b/blb004.d
Lab Smp Id: ic 534112
Inj Date : 21-AUG-2013 10:53
Operator : wrd Inst ID: B.i
Smp Info : ic 534112
Misc Info : level 08
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:44 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 10:53 Cal File: blb004.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)	ON-COL (ppb v/v)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	Compound Not Detected.					
7	Vinyl chloride	62	3.875	3.870	(0.386)	2117	0.04000	0.052(a)
8	1,3-Butadiene	54	Compound Not Detected.					
9	Bromomethane	94	Compound Not Detected.					
10	Chloroethane	64	Compound Not Detected.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

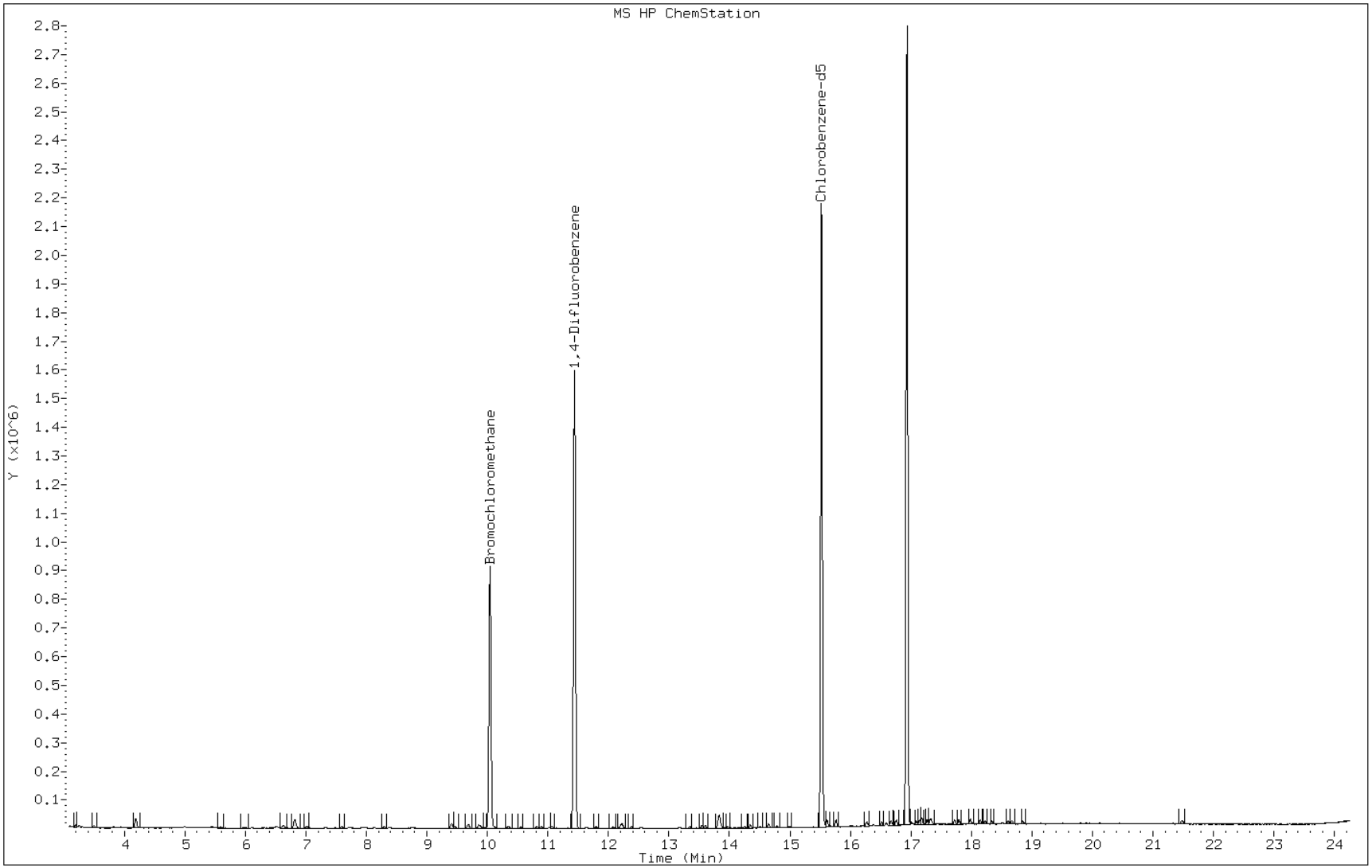
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	Compound Not Detected.					
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	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.					
24	Acetonitrile	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	7.995	7.990	(0.796)	2696	0.00000	0.052(a)
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	8.763	8.764	(0.872)	3448	0.04000	0.051(aM)
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61				2696	0.00000	0.052(a)
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.044	10.044	(1.000)	360234	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	10.551	10.551	(0.922)	4346	0.04000	0.051(aH)
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	11.443	11.448	(1.000)	1762142	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	11.795	11.800	(1.031)	2982	0.04000	0.052(a)
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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.					
57	n-Octane	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	14.341	14.346	(0.924)	4389	0.04000	0.051(a)
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1545930	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 n-Nonane	57	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					
	77 1,2,3-Trichloropropane	75	Compound Not Detected.					
	78 n-Decane	57	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.					
	82 Alpha Methyl Styrene	118	Compound Not Detected.					
	83 tert-butylbenzene	119	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	85 sec-Butylbenzene	105	Compound Not Detected.					
	86 4-Isopropyltoluene	119	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	89 Benzyl chloride	91	Compound Not Detected.					
	90 Undecane	57	Compound Not Detected.					
	91 n-Butylbenzene	91	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	93 Dodecane	57	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
	96 Naphthalene	128	Compound Not Detected.					
	97 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File:	blb004.d	Date:	21-AUG-2013 10:53
Client ID:		Instrument:	B.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 534112		
Lab Sample ID:	ic 534112		



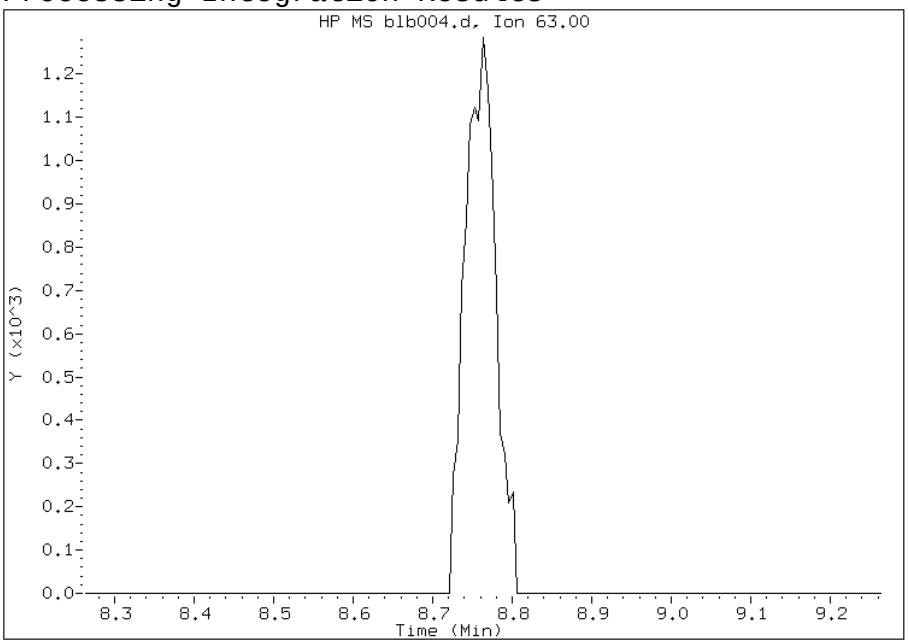
Manual Integration Report

Data File: blb004.d
Lab Sample ID: ic 534112
Inj. Date and Time: 21-AUG-2013 10:53
Instrument ID: B.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 08/22/2013

Processing Integration Results

Not Detected

Expected RT: 8.76



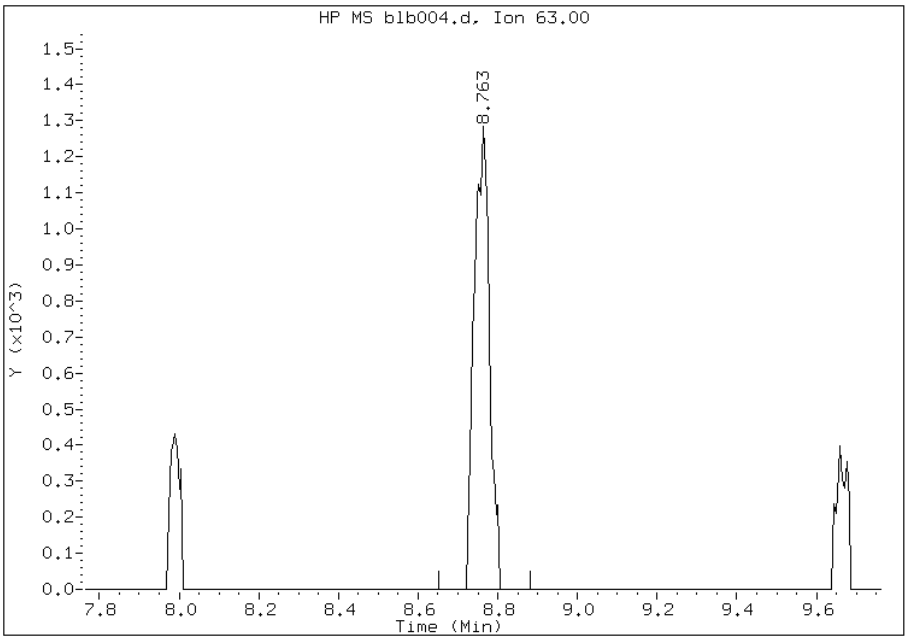
Manual Integration Results

RT: 8.76

Response: 3448

Amount: 0.050869

Conc: 0.050869



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb005.d
Lab Smp Id: ic 534112
Inj Date : 21-AUG-2013 11:46
Operator : wrd Inst ID: B.i
Smp Info : ic 534112
Misc Info : level 01
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:44 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 11:46 Cal File: blb005.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1 Propene	41	3.186	3.197	(0.317)	10625	0.20000	0.44(a)
2 Dichlorodifluoromethane	85	3.250	3.261	(0.324)	22986	0.20000	0.28(a)
3 Chlorodifluoromethane	51	3.293	3.304	(0.328)	14840	0.20000	0.31(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.485	3.496	(0.347)	26374	0.20000	0.26
5 Chloromethane	50	3.629	3.640	(0.362)	8933	0.20000	0.30(a)
6 Butane	43	3.816	3.822	(0.380)	18664	0.20000	0.37(aQ)
7 Vinyl chloride	62	3.864	3.870	(0.385)	10223	0.20000	0.25
8 1,3-Butadiene	54	3.934	3.944	(0.392)	7521	0.20000	0.26
9 Bromomethane	94	4.675	4.686	(0.466)	9470	0.20000	0.25
10 Chloroethane	64	4.910	4.937	(0.489)	5054	0.20000	0.26(a)
11 2-Methylbutane	43	4.985	4.996	(0.497)	11807	0.20000	0.29
12 Vinyl bromide	106	5.348	5.359	(0.533)	9813	0.20000	0.25(M)
13 Trichlorofluoromethane	101	5.439	5.455	(0.542)	22743	0.20000	0.25
14 Pentane	43	5.572	5.588	(0.555)	17987	0.20000	0.33(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	5.967	5.972	(0.594)	22755	0.20000	1.9(a)
16	Ethyl ether	59	6.095	6.095	(0.607)	6413	0.20000	0.25
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.501	6.511	(0.648)	18583	0.20000	0.25
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	6.581	6.597	(0.656)	8901	0.20000	0.25
20	Acetone	43	6.794	6.805	(0.677)	242499	0.20000	5.8
21	Carbon disulfide	76	7.013	7.024	(0.699)	37379	0.20000	0.36(a)
22	Isopropanol	45	6.997	7.002	(0.697)	23536	0.20000	0.66(a)
23	Allyl chloride	41	7.317	7.328	(0.729)	9841	0.20000	0.27(a)
24	Acetonitrile	41	7.461	7.467	(0.743)	6585	0.20000	0.33(a)
25	Methylene chloride	49	7.589	7.600	(0.756)	10880	0.20000	0.33(a)
26	Tert-butyl alcohol	59	7.712	7.712	(0.768)	31931	0.20000	0.56(a)
27	Methyl tert-butyl ether	73	7.926	7.931	(0.789)	25781	0.20000	0.25
28	1,2-Dichloroethene (trans)	61	7.979	7.990	(0.795)	12929	0.20000	0.25
29	Acrylonitrile	53	8.123	8.134	(0.809)	6024	0.20000	0.25(a)
30	n-Hexane	57	8.294	8.299	(0.826)	16433	0.20000	0.28
31	1,1-Dichloroethane	63	8.758	8.764	(0.872)	16058	0.20000	0.24
32	Vinyl acetate	43	8.763	8.774	(0.873)	20296	0.20000	0.27(a)
M 33	1,2-Dichloroethene,Total	61				23135	0.40000	0.50
34	1,2-Dichloroethene (cis)	96	9.665	9.671	(0.963)	10206	0.20000	0.25
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	9.676	9.687	(0.964)	20892	0.20000	0.99(Q)
* 37	Bromochloromethane	128	10.039	10.044	(1.000)	355971	10.0000	
38	Tetrahydrofuran	42	10.050	10.044	(0.878)	9188	0.20000	0.29(a)
39	Chloroform	83	10.108	10.114	(1.007)	18612	0.20000	0.25
40	Cyclohexane	84	10.338	10.349	(0.903)	14059	0.20000	0.24
41	1,1,1-Trichloroethane	97	10.354	10.365	(0.905)	18798	0.20000	0.24
42	Carbon tetrachloride	117	10.546	10.551	(0.922)	19732	0.20000	0.23
43	2,2,4-Trimethylpentane	57	10.818	10.824	(0.945)	44589	0.20000	0.25
44	Benzene	78	10.893	10.898	(0.952)	33061	0.20000	0.26
45	1,2-Dichloroethane	62	11.016	11.021	(0.963)	11270	0.20000	0.25
46	n-Heptane	43	11.058	11.069	(0.966)	17064	0.20000	0.28
* 47	1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1752821	10.0000	
48	n-Butanol	56	11.629	11.629	(1.016)	9827	0.20000	0.47(a)
49	Trichloroethene	95	11.795	11.800	(1.031)	13253	0.20000	0.23
50	1,2-Dichloropropane	63	12.195	12.200	(1.066)	11359	0.20000	0.26(Q)
51	Methyl methacrylate	69	12.216	12.222	(1.068)	10762	0.20000	0.25(aQ)
52	Dibromomethane	174	12.382	12.382	(1.082)	13048	0.20000	0.24
53	1,4-Dioxane	88	12.329	12.323	(1.077)	4412	0.20000	0.24(a)
54	Bromodichloromethane	83	12.547	12.553	(1.097)	19753	0.20000	0.23
55	1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	16693	0.20000	0.24
56	Methyl isobutyl ketone	43	13.343	13.343	(1.166)	19892	0.20000	0.28(a)
57	n-Octane	43	13.545	13.551	(1.184)	24817	0.20000	0.29(a)
58	Toluene	92	13.599	13.604	(0.876)	23069	0.20000	0.25
59	1,3-Dichloropropene (trans)	75	13.972	13.978	(1.221)	17100	0.20000	0.24
60	1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	11422	0.20000	0.26
61	Tetrachloroethene	166	14.341	14.346	(0.923)	20029	0.20000	0.24

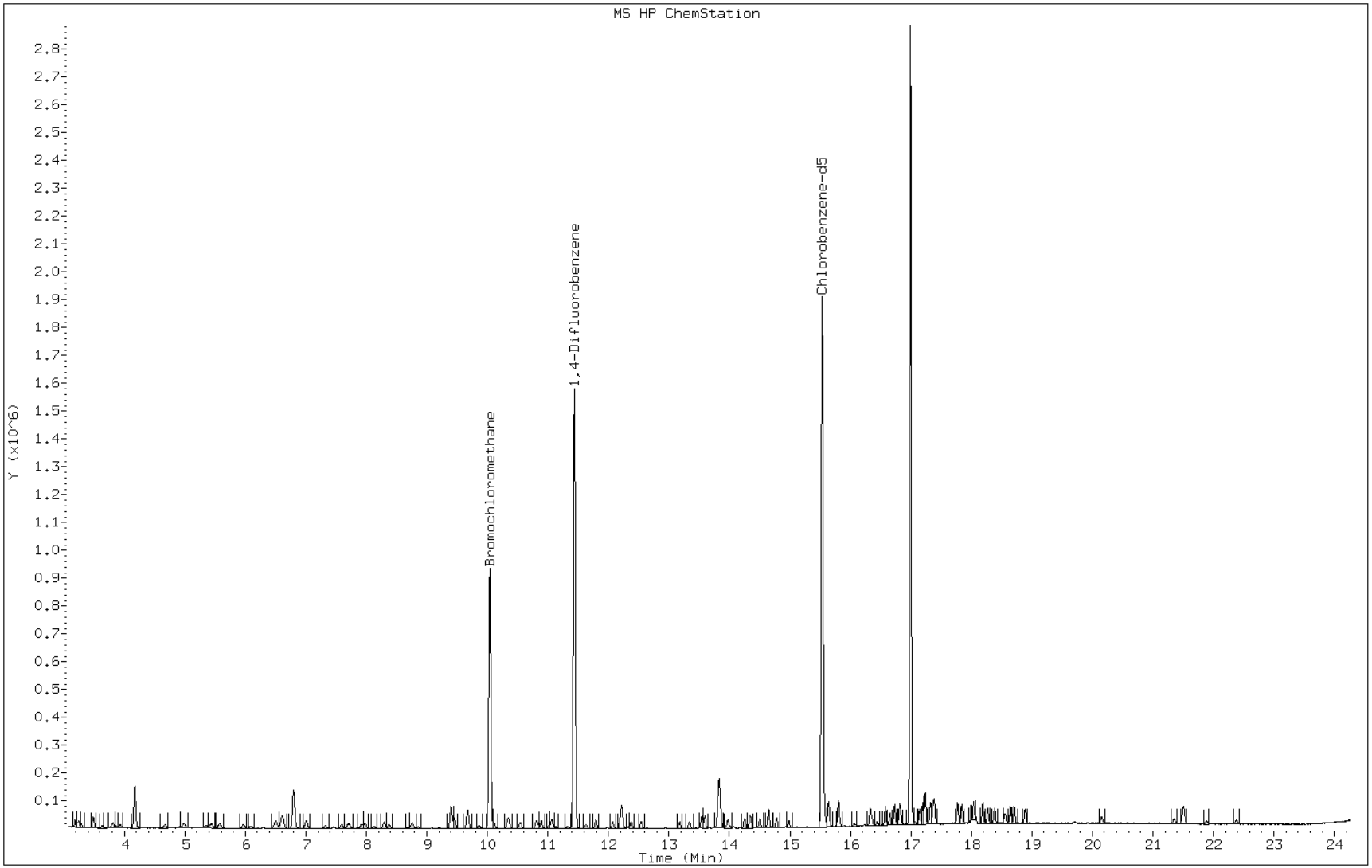
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.934)	28215	0.20000	0.42(a)
63	Dibromochloromethane	129	14.778	14.784	(0.952)	22236	0.20000	0.24
64	1,2-Dibromoethane	107	14.986	14.986	(0.965)	20117	0.20000	0.25
* 65	Chlorobenzene-d5	117	15.531	15.525	(1.000)	1522276	10.0000	
66	Chlorobenzene	112	15.579	15.563	(1.003)	30855	0.20000	0.24
67	n-Nonane	57	15.632	15.611	(1.007)	21431	0.20000	0.24
68	Ethylbenzene	91	15.648	15.621	(1.008)	48834	0.20000	0.24
69	Xylene (m,p)	106	15.808	15.766	(1.018)	38130	0.40000	0.47(a)
M 70	Xylenes, Total	106				57530	0.20000	0.72
71	Xylene (o)	106	16.331	16.273	(1.052)	19400	0.20000	0.25
72	Styrene	104	16.358	16.299	(1.053)	14908	0.20000	0.13(a)
73	Bromoform	173	16.651	16.593	(1.072)	22414	0.20000	0.23
74	Isopropylbenzene	105	16.731	16.673	(1.077)	56609	0.20000	0.25
75	1,1,2,2-Tetrachloroethane	83	17.142	17.089	(1.104)	29653	0.20000	0.25
76	n-Propylbenzene	91	17.201	17.148	(1.108)	64803	0.20000	0.24
77	1,2,3-Trichloropropane	75	17.233	17.180	(1.110)	20683	0.20000	0.25(a)
78	n-Decane	57	17.244	17.191	(1.110)	29380	0.20000	0.27(a)
79	4-Ethyltoluene	105	17.324	17.271	(1.115)	54560	0.20000	0.24
80	2-Chlorotoluene	91	17.367	17.319	(1.118)	45194	0.20000	0.24(H)
81	1,3,5-Trimethylbenzene	105	17.393	17.340	(1.120)	44818	0.20000	0.24(H)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	17.772	17.724	(1.144)	43780	0.20000	0.24
84	1,2,4-Trimethylbenzene	105	17.847	17.799	(1.149)	44937	0.20000	0.24
85	sec-Butylbenzene	105	18.034	17.991	(1.161)	72278	0.20000	0.25
86	4-Isopropyltoluene	119	18.188	18.146	(1.171)	54581	0.20000	0.23
87	1,3-Dichlorobenzene	146	18.274	18.231	(1.177)	30171	0.20000	0.23
88	1,4-Dichlorobenzene	146	18.386	18.343	(1.184)	29618	0.20000	0.23
89	Benzyl chloride	91	18.557	18.514	(1.195)	33613	0.20000	0.22
90	Undecane	57	18.642	18.605	(1.200)	26971	0.20000	0.23(a)
91	n-Butylbenzene	91	18.706	18.669	(1.204)	44079	0.20000	0.22
92	1,2-Dichlorobenzene	146	18.888	18.856	(1.216)	29802	0.20000	0.23
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	21.359	21.327	(1.375)	10419	0.20000	0.12(a)
95	1,3-Hexachlorobutadiene	225	21.513	21.487	(1.385)	25303	0.20000	0.24
96	Naphthalene	128	21.882	21.860	(1.409)	15897	0.20000	0.093(a)
97	1,2,3-Trichlorobenzene	180	22.373	22.357	(1.441)	9582	0.20000	0.13(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.
H - Operator selected an alternate compound hit.

Data File: blb005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 534112
Lab Sample ID: ic 534112

Date: 21-AUG-2013 11:46
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



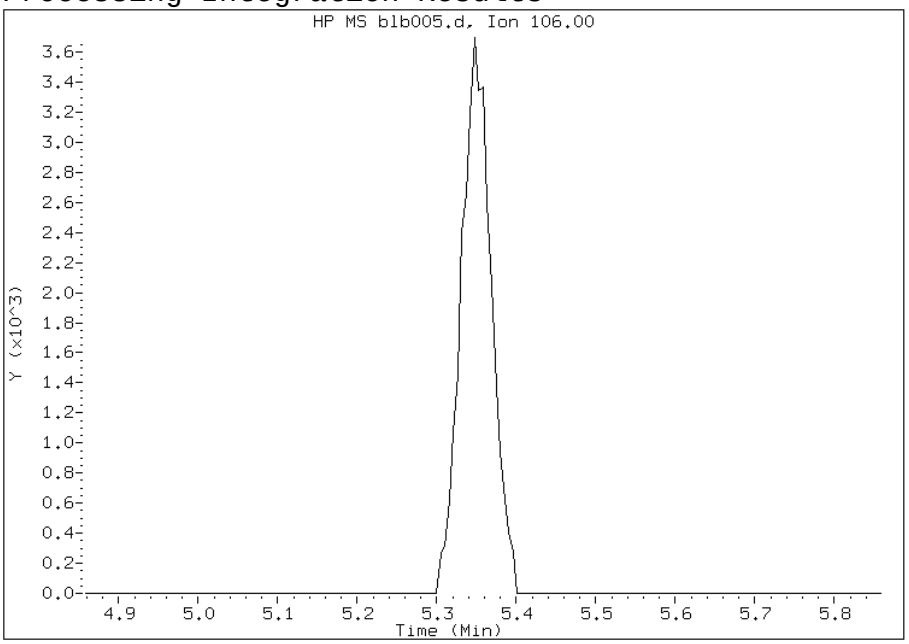
Manual Integration Report

Data File: blb005.d
Lab Sample ID: ic 534112
Inj. Date and Time: 21-AUG-2013 11:46
Instrument ID: B.i
Client ID:
Compound: 12 Vinyl bromide
CAS #: 593-60-2
Report Date: 08/22/2013

Processing Integration Results

Not Detected

Expected RT: 5.36



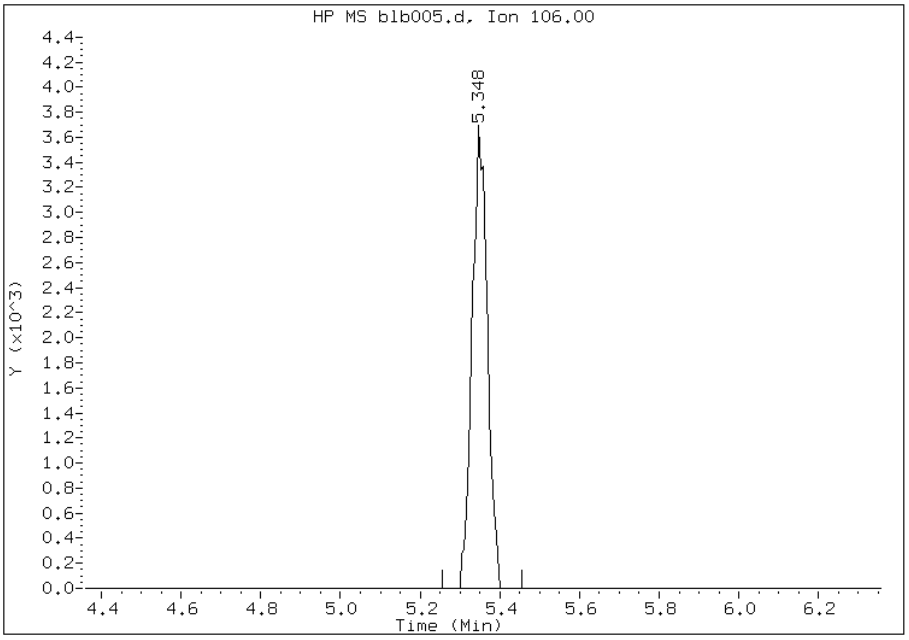
Manual Integration Results

RT: 5.35

Response: 9813

Amount: 0.250742

Conc: 0.250742



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb006.d
Lab Smp Id: ic 535109
Inj Date : 21-AUG-2013 12:38
Operator : wrd Inst ID: B.i
Smp Info : ic 535109
Misc Info : level 02
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 12:38 Cal File: blb006.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1 Propene	41	3.192	3.197	(0.318)	18823	0.50000	0.78(a)
2 Dichlorodifluoromethane	85	3.256	3.261	(0.324)	52758	0.50000	0.65
3 Chlorodifluoromethane	51	3.298	3.304	(0.329)	32903	0.50000	0.69
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	61773	0.50000	0.61
5 Chloromethane	50	3.640	3.640	(0.363)	20084	0.50000	0.68
6 Butane	43	3.821	3.822	(0.381)	37105	0.50000	0.74
7 Vinyl chloride	62	3.869	3.870	(0.385)	23060	0.50000	0.57
8 1,3-Butadiene	54	3.939	3.944	(0.392)	17499	0.50000	0.62
9 Bromomethane	94	4.681	4.686	(0.466)	21688	0.50000	0.58
10 Chloroethane	64	4.937	4.937	(0.492)	12385	0.50000	0.63
11 2-Methylbutane	43	4.996	4.996	(0.498)	25549	0.50000	0.63
12 Vinyl bromide	106	5.353	5.359	(0.533)	22061	0.50000	0.56
13 Trichlorofluoromethane	101	5.449	5.455	(0.543)	53879	0.50000	0.58
14 Pentane	43	5.577	5.588	(0.556)	37177	0.50000	0.68

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	5.972	5.972	(0.595)	69178	5.00000	5.7
16	Ethyl ether	59	6.100	6.095	(0.608)	14593	0.50000	0.57
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.501	6.511	(0.648)	41272	0.50000	0.56
18	Acrolein	56	6.511	6.517	(0.649)	12467	0.50000	0.98(a)
19	1,1-Dichloroethene	96	6.586	6.597	(0.656)	20283	0.50000	0.57
20	Acetone	43	6.805	6.805	(0.678)	177332	0.50000	4.2(a)
21	Carbon disulfide	76	7.018	7.024	(0.699)	62764	0.50000	0.60
22	Isopropanol	45	7.002	7.002	(0.698)	27124	0.50000	0.77(a)
23	Allyl chloride	41	7.322	7.328	(0.729)	21547	0.50000	0.59
24	Acetonitrile	41	7.461	7.467	(0.743)	16003	0.50000	0.81(a)
25	Methylene chloride	49	7.595	7.600	(0.757)	22066	0.50000	0.67
26	Tert-butyl alcohol	59	7.712	7.712	(0.768)	57636	0.50000	1.0(a)
27	Methyl tert-butyl ether	73	7.926	7.931	(0.789)	58921	0.50000	0.57
28	1,2-Dichloroethene (trans)	61	7.984	7.990	(0.795)	29997	0.50000	0.58
29	Acrylonitrile	53	8.128	8.134	(0.810)	14423	0.50000	0.60
30	n-Hexane	57	8.294	8.299	(0.826)	34404	0.50000	0.59
31	1,1-Dichloroethane	63	8.763	8.764	(0.873)	37919	0.50000	0.57
32	Vinyl acetate	43	8.769	8.774	(0.873)	44995	0.50000	0.61(a)
M 33	1,2-Dichloroethene,Total	61				53637	1.00000	1.2
34	1,2-Dichloroethene (cis)	96	9.665	9.671	(0.963)	23640	0.50000	0.57
35	Ethyl acetate	88	9.665	9.676	(0.963)	1957	0.50000	0.56(aQ)
36	Methyl Ethyl Ketone	72	9.681	9.687	(0.964)	17084	0.50000	0.81(Q)
* 37	Bromochloromethane	128	10.039	10.044	(1.000)	355175	10.0000	
38	Tetrahydrofuran	42	10.050	10.044	(0.878)	20192	0.50000	0.63(a)
39	Chloroform	83	10.108	10.114	(1.007)	43099	0.50000	0.58
40	Cyclohexane	84	10.343	10.349	(0.904)	31895	0.50000	0.55
41	1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	42543	0.50000	0.55
42	Carbon tetrachloride	117	10.546	10.551	(0.922)	45557	0.50000	0.53
43	2,2,4-Trimethylpentane	57	10.818	10.824	(0.945)	101710	0.50000	0.57
44	Benzene	78	10.893	10.898	(0.952)	73153	0.50000	0.58
45	1,2-Dichloroethane	62	11.016	11.021	(0.963)	25874	0.50000	0.57
46	n-Heptane	43	11.069	11.069	(0.967)	35016	0.50000	0.58
* 47	1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1753597	10.0000	
48	n-Butanol	56	11.629	11.629	(1.016)	11760	0.50000	0.57(a)
49	Trichloroethene	95	11.795	11.800	(1.031)	30578	0.50000	0.54
50	1,2-Dichloropropane	63	12.195	12.200	(1.066)	24407	0.50000	0.56(Q)
51	Methyl methacrylate	69	12.222	12.222	(1.068)	23726	0.50000	0.55(Q)
52	Dibromomethane	174	12.382	12.382	(1.082)	30376	0.50000	0.55
53	1,4-Dioxane	88	12.323	12.323	(1.077)	10262	0.50000	0.56(a)
54	Bromodichloromethane	83	12.547	12.553	(1.097)	46823	0.50000	0.56
55	1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	38487	0.50000	0.56
56	Methyl isobutyl ketone	43	13.337	13.343	(1.166)	40739	0.50000	0.57
57	n-Octane	43	13.545	13.551	(1.184)	48771	0.50000	0.56
58	Toluene	92	13.604	13.604	(0.877)	53599	0.50000	0.57
59	1,3-Dichloropropene (trans)	75	13.972	13.978	(1.221)	38679	0.50000	0.55
60	1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	25160	0.50000	0.56
61	Tetrachloroethene	166	14.346	14.346	(0.924)	45849	0.50000	0.52

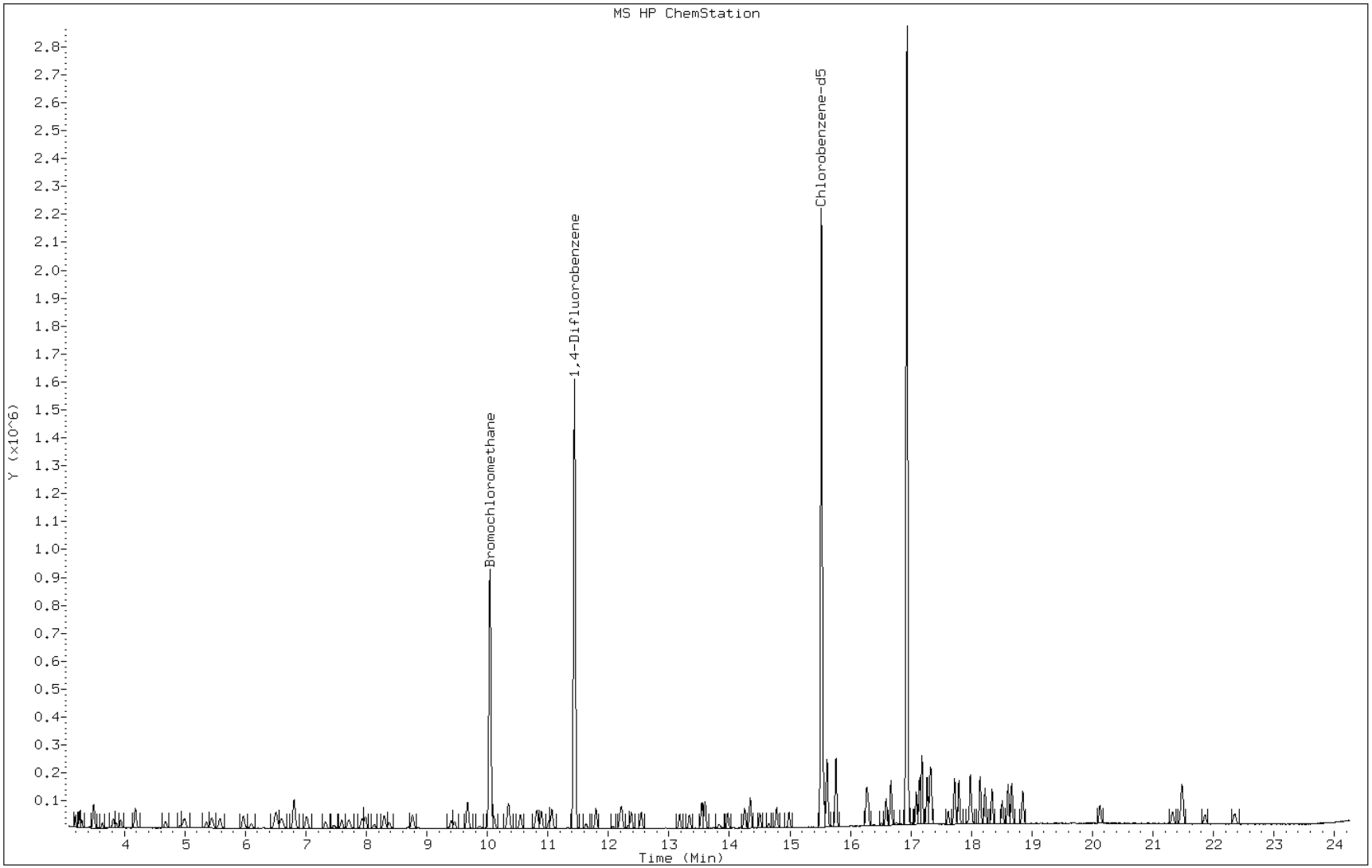
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.935)	41989	0.50000	0.60
63	Dibromochloromethane	129	14.778	14.784	(0.952)	49343	0.50000	0.53
64	1,2-Dibromoethane	107	14.986	14.986	(0.966)	45729	0.50000	0.54
* 65	Chlorobenzene-d5	117	15.520	15.525	(1.000)	1563657	10.0000	
66	Chlorobenzene	112	15.557	15.563	(1.002)	72850	0.50000	0.56
67	n-Nonane	57	15.611	15.611	(1.006)	51547	0.50000	0.57
68	Ethylbenzene	91	15.621	15.621	(1.007)	114153	0.50000	0.55
69	Xylene (m,p)	106	15.765	15.766	(1.016)	89815	1.00000	1.1
M 70	Xylenes, Total	106				133558	0.50000	1.6
71	Xylene (o)	106	16.267	16.273	(1.048)	43743	0.50000	0.54
72	Styrene	104	16.294	16.299	(1.050)	57170	0.50000	0.50
73	Bromoform	173	16.587	16.593	(1.069)	51605	0.50000	0.51
74	Isopropylbenzene	105	16.673	16.673	(1.074)	127418	0.50000	0.54
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	66535	0.50000	0.55
76	n-Propylbenzene	91	17.142	17.148	(1.105)	149690	0.50000	0.54
77	1,2,3-Trichloropropane	75	17.174	17.180	(1.107)	49605	0.50000	0.58
78	n-Decane	57	17.185	17.191	(1.107)	64262	0.50000	0.57
79	4-Ethyltoluene	105	17.265	17.271	(1.112)	128003	0.50000	0.54
80	2-Chlorotoluene	91	17.313	17.319	(1.116)	100810	0.50000	0.53
81	1,3,5-Trimethylbenzene	105	17.335	17.340	(1.117)	103674	0.50000	0.53
82	Alpha Methyl Styrene	118	17.617	17.623	(1.135)	16925	0.50000	0.19(a)
83	tert-butylbenzene	119	17.724	17.724	(1.142)	103601	0.50000	0.54
84	1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	103280	0.50000	0.53
85	sec-Butylbenzene	105	17.986	17.991	(1.159)	160202	0.50000	0.55
86	4-Isopropyltoluene	119	18.140	18.146	(1.169)	126903	0.50000	0.52
87	1,3-Dichlorobenzene	146	18.226	18.231	(1.174)	69534	0.50000	0.51
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	66128	0.50000	0.49
89	Benzyl chloride	91	18.514	18.514	(1.193)	74863	0.50000	0.47
90	Undecane	57	18.605	18.605	(1.199)	62035	0.50000	0.52(a)
91	n-Butylbenzene	91	18.663	18.669	(1.203)	105526	0.50000	0.51
92	1,2-Dichlorobenzene	146	18.850	18.856	(1.215)	67177	0.50000	0.51
93	Dodecane	57	20.126	20.131	(1.297)	33391	0.50000	0.30(a)
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	25908	0.50000	0.30(a)
95	1,3-Hexachlorobutadiene	225	21.481	21.487	(1.384)	55317	0.50000	0.51
96	Naphthalene	128	21.860	21.860	(1.409)	44802	0.50000	0.26(a)
97	1,2,3-Trichlorobenzene	180	22.351	22.357	(1.440)	24301	0.50000	0.33

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: blb006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 535109
Lab Sample ID: ic 535109

Date: 21-AUG-2013 12:38
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb007.d
Lab Smp Id: ic 531972
Inj Date : 21-AUG-2013 13:31
Operator : wrd Inst ID: B.i
Smp Info : ic 531972
Misc Info : level 03
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 13:31 Cal File: blb007.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1 Propene	41	3.192	3.197	(0.318)	130342	5.00000	5.4
2 Dichlorodifluoromethane	85	3.256	3.261	(0.324)	435905	5.00000	5.3
3 Chlorodifluoromethane	51	3.299	3.304	(0.328)	261184	5.00000	5.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	513673	5.00000	5.0
5 Chloromethane	50	3.640	3.640	(0.362)	161263	5.00000	5.4
6 Butane	43	3.822	3.822	(0.380)	267445	5.00000	5.3
7 Vinyl chloride	62	3.870	3.870	(0.385)	195789	5.00000	4.8
8 1,3-Butadiene	54	3.939	3.944	(0.392)	142372	5.00000	5.0
9 Bromomethane	94	4.681	4.686	(0.466)	179590	5.00000	4.8
10 Chloroethane	64	4.932	4.937	(0.491)	100508	5.00000	5.1
11 2-Methylbutane	43	4.996	4.996	(0.497)	193021	5.00000	4.7
12 Vinyl bromide	106	5.359	5.359	(0.533)	186773	5.00000	4.7
13 Trichlorofluoromethane	101	5.449	5.455	(0.543)	446312	5.00000	4.8
14 Pentane	43	5.583	5.588	(0.556)	279738	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	5.967	5.972	(0.594)	134622	10.0000	11
	16 Ethyl ether	59	6.095	6.095	(0.607)	128314	5.00000	4.9
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	351453	5.00000	4.7
	18 Acrolein	56	6.517	6.517	(0.649)	65692	5.00000	5.1
	19 1,1-Dichloroethene	96	6.592	6.597	(0.656)	170383	5.00000	4.8
	20 Acetone	43	6.805	6.805	(0.677)	257965	5.00000	6.1
	21 Carbon disulfide	76	7.024	7.024	(0.699)	537150	5.00000	5.1
	22 Isopropanol	45	7.002	7.002	(0.697)	202535	5.00000	5.7
	23 Allyl chloride	41	7.328	7.328	(0.730)	177976	5.00000	4.9
	24 Acetonitrile	41	7.461	7.467	(0.743)	111868	5.00000	5.6
	25 Methylene chloride	49	7.595	7.600	(0.756)	169759	5.00000	5.1
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	315543	5.00000	5.5
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	494802	5.00000	4.8
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	251148	5.00000	4.8
	29 Acrylonitrile	53	8.134	8.134	(0.810)	125299	5.00000	5.2
	30 n-Hexane	57	8.299	8.299	(0.826)	274589	5.00000	4.7
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	313590	5.00000	4.7
	32 Vinyl acetate	43	8.769	8.774	(0.873)	400140	5.00000	5.4
M	33 1,2-Dichloroethene,Total	61				448778	10.0000	9.6
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	197630	5.00000	4.8
	35 Ethyl acetate	88	9.676	9.676	(0.963)	18199	5.00000	5.1
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	98237	5.00000	4.6(Q)
*	37 Bromochloromethane	128	10.045	10.044	(1.000)	358161	10.0000	
	38 Tetrahydrofuran	42	10.045	10.044	(0.878)	173963	5.00000	5.4
	39 Chloroform	83	10.114	10.114	(1.007)	362425	5.00000	4.8
	40 Cyclohexane	84	10.349	10.349	(0.904)	269917	5.00000	4.7
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	363771	5.00000	4.7
	42 Carbon tetrachloride	117	10.552	10.551	(0.922)	383377	5.00000	4.5
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	867243	5.00000	4.8
	44 Benzene	78	10.898	10.898	(0.952)	594898	5.00000	4.7
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	221461	5.00000	4.9
	46 n-Heptane	43	11.069	11.069	(0.967)	283594	5.00000	4.7
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1756312	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	114537	5.00000	5.5
	49 Trichloroethene	95	11.795	11.800	(1.031)	257659	5.00000	4.5
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	209917	5.00000	4.8
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	213056	5.00000	4.9
	52 Dibromomethane	174	12.382	12.382	(1.082)	253471	5.00000	4.6
	53 1,4-Dioxane	88	12.323	12.323	(1.077)	98282	5.00000	5.4
	54 Bromodichloromethane	83	12.548	12.553	(1.097)	403276	5.00000	4.8
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	328755	5.00000	4.7
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	361804	5.00000	5.1
	57 n-Octane	43	13.546	13.551	(1.184)	405174	5.00000	4.7
	58 Toluene	92	13.599	13.604	(0.876)	448079	5.00000	4.6
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	335626	5.00000	4.8
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	217182	5.00000	4.7
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	391839	5.00000	4.4

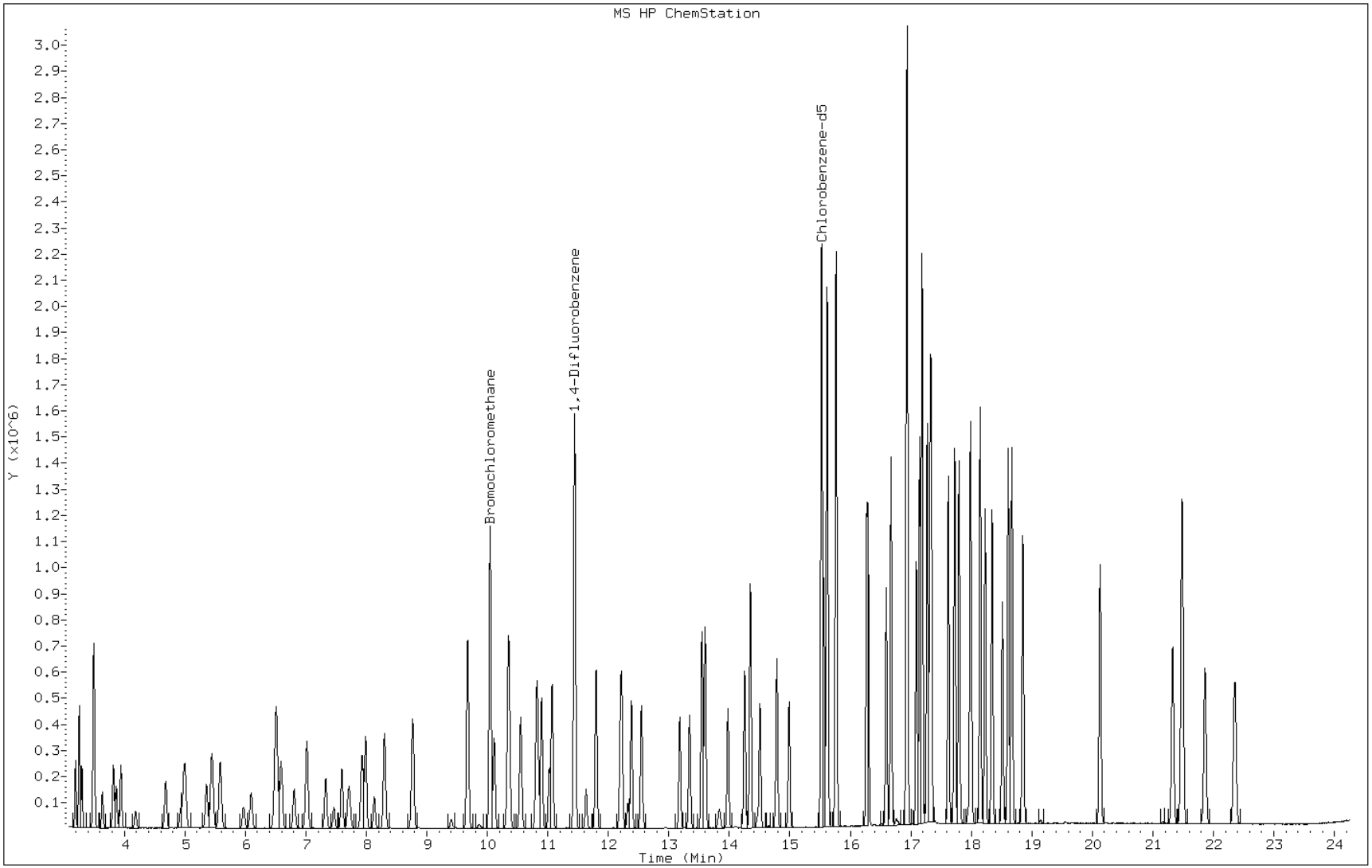
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.934)	360783	5.00000	5.1
63	Dibromochloromethane	129	14.784	14.784	(0.952)	442301	5.00000	4.6
64	1,2-Dibromoethane	107	14.987	14.986	(0.965)	403324	5.00000	4.7
* 65	Chlorobenzene-d5	117	15.526	15.525	(1.000)	1602517	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.002)	624126	5.00000	4.7
67	n-Nonane	57	15.611	15.611	(1.006)	441308	5.00000	4.7
68	Ethylbenzene	91	15.622	15.621	(1.006)	996605	5.00000	4.7
69	Xylene (m,p)	106	15.766	15.766	(1.015)	799240	10.0000	9.4
M 70	Xylenes, Total	106				1185240	5.00000	14
71	Xylene (o)	106	16.273	16.273	(1.048)	386000	5.00000	4.6
72	Styrene	104	16.299	16.299	(1.050)	614896	5.00000	5.2
73	Bromoform	173	16.593	16.593	(1.069)	476867	5.00000	4.6
74	Isopropylbenzene	105	16.673	16.673	(1.074)	1117811	5.00000	4.7
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	584817	5.00000	4.8
76	n-Propylbenzene	91	17.148	17.148	(1.104)	1351234	5.00000	4.8
77	1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	434486	5.00000	4.9
78	n-Decane	57	17.185	17.191	(1.107)	564787	5.00000	4.9
79	4-Ethyltoluene	105	17.271	17.271	(1.112)	1153795	5.00000	4.7
80	2-Chlorotoluene	91	17.319	17.319	(1.115)	927383	5.00000	4.7
81	1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	950102	5.00000	4.8
82	Alpha Methyl Styrene	118	17.618	17.623	(1.135)	489862	5.00000	5.4
83	tert-butylbenzene	119	17.724	17.724	(1.142)	922532	5.00000	4.7
84	1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	944352	5.00000	4.7
85	sec-Butylbenzene	105	17.991	17.991	(1.159)	1412428	5.00000	4.7
86	4-Isopropyltoluene	119	18.146	18.146	(1.169)	1189793	5.00000	4.8
87	1,3-Dichlorobenzene	146	18.226	18.231	(1.174)	664006	5.00000	4.7
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	647581	5.00000	4.7
89	Benzyl chloride	91	18.514	18.514	(1.192)	788225	5.00000	4.8
90	Undecane	57	18.605	18.605	(1.198)	631188	5.00000	5.2
91	n-Butylbenzene	91	18.669	18.669	(1.202)	1063434	5.00000	5.0
92	1,2-Dichlorobenzene	146	18.850	18.856	(1.214)	641661	5.00000	4.8
93	Dodecane	57	20.131	20.131	(1.297)	511321	5.00000	4.5(a)
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	403550	5.00000	4.6
95	1,3-Hexachlorobutadiene	225	21.487	21.487	(1.384)	490359	5.00000	4.4
96	Naphthalene	128	21.860	21.860	(1.408)	884594	5.00000	4.9
97	1,2,3-Trichlorobenzene	180	22.357	22.357	(1.440)	363406	5.00000	4.8

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: blb007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 531972
Lab Sample ID: ic 531972

Date: 21-AUG-2013 13:31
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb009.d
Lab Smp Id: ic 531964
Inj Date : 21-AUG-2013 15:15
Operator : wrd Inst ID: B.i
Smp Info : ic 531964
Misc Info : level 05
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 15:15 Cal File: blb009.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

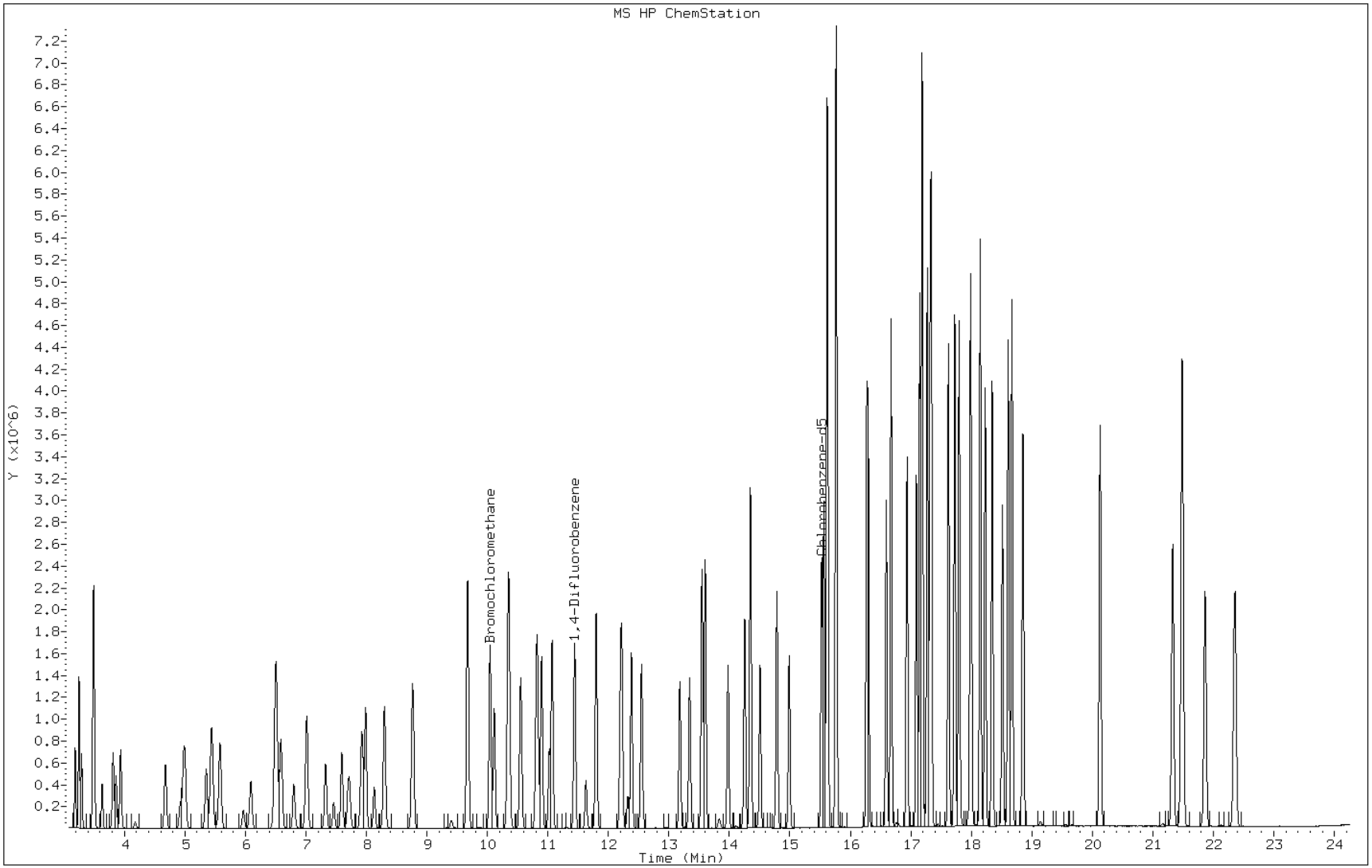
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	3.187	3.197	(0.317)	364896	15.0000	14
2 Dichlorodifluoromethane	85	3.251	3.261	(0.324)	1328570	15.0000	15
3 Chlorodifluoromethane	51	3.293	3.304	(0.328)	766252	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	1563337	15.0000	14
5 Chloromethane	50	3.635	3.640	(0.362)	467974	15.0000	14
6 Butane	43	3.816	3.822	(0.380)	772019	15.0000	14
7 Vinyl chloride	62	3.864	3.870	(0.385)	594730	15.0000	13
8 1,3-Butadiene	54	3.934	3.944	(0.392)	431944	15.0000	14
9 Bromomethane	94	4.676	4.686	(0.465)	584105	15.0000	14
10 Chloroethane	64	4.926	4.937	(0.490)	318980	15.0000	15
11 2-Methylbutane	43	4.990	4.996	(0.497)	589056	15.0000	13
12 Vinyl bromide	106	5.353	5.359	(0.533)	618508	15.0000	14
13 Trichlorofluoromethane	101	5.444	5.455	(0.542)	1453996	15.0000	14
14 Pentane	43	5.577	5.588	(0.555)	858934	15.0000	14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	5.967	5.972	(0.594)	271631	20.0000	20
	16 Ethyl ether	59	6.090	6.095	(0.606)	403378	15.0000	14
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.506	6.511	(0.648)	1142439	15.0000	14
	18 Acrolein	56	6.511	6.517	(0.648)	217783	15.0000	15
	19 1,1-Dichloroethene	96	6.592	6.597	(0.656)	548535	15.0000	14
	20 Acetone	43	6.800	6.805	(0.677)	687364	15.0000	15
	21 Carbon disulfide	76	7.018	7.024	(0.699)	1679165	15.0000	15
	22 Isopropanol	45	6.997	7.002	(0.697)	596011	15.0000	15
	23 Allyl chloride	41	7.323	7.328	(0.729)	547712	15.0000	14
	24 Acetonitrile	41	7.461	7.467	(0.743)	330382	15.0000	15
	25 Methylene chloride	49	7.595	7.600	(0.756)	513075	15.0000	14
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	968370	15.0000	15
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	1593888	15.0000	14
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	793034	15.0000	14
	29 Acrylonitrile	53	8.134	8.134	(0.810)	386532	15.0000	15
	30 n-Hexane	57	8.294	8.299	(0.826)	864450	15.0000	13
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	990373	15.0000	13
	32 Vinyl acetate	43	8.769	8.774	(0.873)	1255404	15.0000	15
M	33 1,2-Dichloroethene,Total	61				1436905	30.0000	28
	34 1,2-Dichloroethene (cis)	96	9.666	9.671	(0.962)	643871	15.0000	14
	35 Ethyl acetate	88	9.676	9.676	(0.963)	58842	15.0000	15
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	308804	15.0000	13
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	394148	10.0000	
	38 Tetrahydrofuran	42	10.039	10.044	(0.877)	527615	15.0000	15
	39 Chloroform	83	10.114	10.114	(1.007)	1154253	15.0000	14
	40 Cyclohexane	84	10.343	10.349	(0.904)	887269	15.0000	14
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	1190084	15.0000	14
	42 Carbon tetrachloride	117	10.552	10.551	(0.922)	1261544	15.0000	14
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	2733396	15.0000	14
	44 Benzene	78	10.898	10.898	(0.952)	1890422	15.0000	14
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	693210	15.0000	14
	46 n-Heptane	43	11.069	11.069	(0.967)	878250	15.0000	13
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1893950	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	337064	15.0000	15
	49 Trichloroethene	95	11.800	11.800	(1.031)	837643	15.0000	14
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	663278	15.0000	14
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	701244	15.0000	15
	52 Dibromomethane	174	12.382	12.382	(1.082)	850963	15.0000	14
	53 1,4-Dioxane	88	12.318	12.323	(1.076)	300456	15.0000	15
	54 Bromodichloromethane	83	12.553	12.553	(1.097)	1310763	15.0000	14
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	1062249	15.0000	14
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	1133816	15.0000	15
	57 n-Octane	43	13.546	13.551	(1.184)	1254397	15.0000	13
	58 Toluene	92	13.604	13.604	(0.876)	1457135	15.0000	14
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	1087319	15.0000	14
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	696284	15.0000	14
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	1316118	15.0000	13

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.934)	1120194	15.0000	14
63	Dibromochloromethane	129	14.784	14.784	(0.952)	1480065	15.0000	14
64	1,2-Dibromoethane	107	14.986	14.986	(0.965)	1323701	15.0000	14
* 65	Chlorobenzene-d5	117	15.525	15.525	(1.000)	1749602	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.002)	2045210	15.0000	14
67	n-Nonane	57	15.611	15.611	(1.006)	1435109	15.0000	14
68	Ethylbenzene	91	15.622	15.621	(1.006)	3304941	15.0000	14
69	Xylene (m,p)	106	15.766	15.766	(1.015)	2666681	30.0000	29
M 70	Xylenes, Total	106				3943505	15.0000	43
71	Xylene (o)	106	16.273	16.273	(1.048)	1276824	15.0000	14
72	Styrene	104	16.299	16.299	(1.050)	2078180	15.0000	16
73	Bromoform	173	16.593	16.593	(1.069)	1632720	15.0000	15
74	Isopropylbenzene	105	16.673	16.673	(1.074)	3666880	15.0000	14
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	1876937	15.0000	14
76	n-Propylbenzene	91	17.148	17.148	(1.105)	4410959	15.0000	14
77	1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	1429268	15.0000	15
78	n-Decane	57	17.191	17.191	(1.107)	1855228	15.0000	15
79	4-Ethyltoluene	105	17.271	17.271	(1.112)	3822997	15.0000	14
80	2-Chlorotoluene	91	17.319	17.319	(1.115)	3086747	15.0000	14
81	1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	3188933	15.0000	15
82	Alpha Methyl Styrene	118	17.618	17.623	(1.135)	1671408	15.0000	17
83	tert-butylbenzene	119	17.724	17.724	(1.142)	3046572	15.0000	14
84	1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	3117719	15.0000	14
85	sec-Butylbenzene	105	17.991	17.991	(1.159)	4598169	15.0000	14
86	4-Isopropyltoluene	119	18.146	18.146	(1.169)	3959507	15.0000	15
87	1,3-Dichlorobenzene	146	18.231	18.231	(1.174)	2240686	15.0000	15
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	2210242	15.0000	15
89	Benzyl chloride	91	18.514	18.514	(1.192)	2744275	15.0000	15
90	Undecane	57	18.605	18.605	(1.198)	1982129	15.0000	15
91	n-Butylbenzene	91	18.669	18.669	(1.202)	3513380	15.0000	15
92	1,2-Dichlorobenzene	146	18.856	18.856	(1.214)	2131064	15.0000	15
93	Dodecane	57	20.131	20.131	(1.297)	1890469	15.0000	15
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	1543384	15.0000	16
95	1,3-Hexachlorobutadiene	225	21.487	21.487	(1.384)	1702589	15.0000	14
96	Naphthalene	128	21.860	21.860	(1.408)	3193634	15.0000	16
97	1,2,3-Trichlorobenzene	180	22.357	22.357	(1.440)	1427951	15.0000	17

Data File:	blb009.d	Date:	21-AUG-2013 15:15
Client ID:		Instrument:	B.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 531964		
Lab Sample ID:	ic 531964		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb011.d
Lab Smp Id: ic 531963
Inj Date : 21-AUG-2013 16:59
Operator : wrd Inst ID: B.i
Smp Info : ic 531963
Misc Info : level 06
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 16:59 Cal File: blb011.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1 Propene	41	3.192	3.197	(0.318)	466498	20.0000	17
2 Dichlorodifluoromethane	85	3.256	3.261	(0.324)	1709699	20.0000	18
3 Chlorodifluoromethane	51	3.299	3.304	(0.328)	973182	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	2021776	20.0000	17
5 Chloromethane	50	3.635	3.640	(0.362)	599235	20.0000	18
6 Butane	43	3.816	3.822	(0.380)	1003446	20.0000	17
7 Vinyl chloride	62	3.864	3.870	(0.385)	773318	20.0000	17
8 1,3-Butadiene	54	3.939	3.944	(0.392)	561492	20.0000	17
9 Bromomethane	94	4.681	4.686	(0.466)	773964	20.0000	18
10 Chloroethane	64	4.932	4.937	(0.491)	416034	20.0000	18
11 2-Methylbutane	43	4.996	4.996	(0.497)	766596	20.0000	16
12 Vinyl bromide	106	5.359	5.359	(0.533)	825733	20.0000	18
13 Trichlorofluoromethane	101	5.449	5.455	(0.543)	1933284	20.0000	18
14 Pentane	43	5.583	5.588	(0.556)	1136668	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	5.972	5.972	(0.595)	503762	40.0000	36
	16 Ethyl ether	59	6.090	6.095	(0.606)	535806	20.0000	18
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	1545504	20.0000	18
	18 Acrolein	56	6.511	6.517	(0.648)	285503	20.0000	19
	19 1,1-Dichloroethene	96	6.591	6.597	(0.656)	738095	20.0000	18
	20 Acetone	43	6.800	6.805	(0.677)	933179	20.0000	19
	21 Carbon disulfide	76	7.018	7.024	(0.699)	2268646	20.0000	19
	22 Isopropanol	45	7.002	7.002	(0.697)	776952	20.0000	19
	23 Allyl chloride	41	7.328	7.328	(0.730)	723605	20.0000	17
	24 Acetonitrile	41	7.461	7.467	(0.743)	436073	20.0000	19
	25 Methylene chloride	49	7.595	7.600	(0.756)	680760	20.0000	18
	26 Tert-butyl alcohol	59	7.718	7.712	(0.768)	1273412	20.0000	19
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	2153230	20.0000	18
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	1062713	20.0000	18
	29 Acrylonitrile	53	8.134	8.134	(0.810)	514236	20.0000	19
	30 n-Hexane	57	8.299	8.299	(0.826)	1159349	20.0000	17
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	1329343	20.0000	17
	32 Vinyl acetate	43	8.774	8.774	(0.874)	1660597	20.0000	19
M	33 1,2-Dichloroethene,Total	61				1935706	40.0000	36
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	872993	20.0000	18
	35 Ethyl acetate	88	9.676	9.676	(0.963)	80700	20.0000	20
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	417606	20.0000	17
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	409534	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.878)	694849	20.0000	19
	39 Chloroform	83	10.114	10.114	(1.007)	1550664	20.0000	18
	40 Cyclohexane	84	10.349	10.349	(0.904)	1194619	20.0000	19
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	1608746	20.0000	19
	42 Carbon tetrachloride	117	10.551	10.551	(0.922)	1714125	20.0000	18
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	3658454	20.0000	18
	44 Benzene	78	10.898	10.898	(0.952)	2544619	20.0000	18
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	929518	20.0000	18
	46 n-Heptane	43	11.069	11.069	(0.967)	1178243	20.0000	17
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1959262	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	443792	20.0000	19
	49 Trichloroethene	95	11.795	11.800	(1.031)	1140846	20.0000	18
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	890069	20.0000	18
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	948007	20.0000	20
	52 Dibromomethane	174	12.382	12.382	(1.082)	1166456	20.0000	19
	53 1,4-Dioxane	88	12.318	12.323	(1.076)	397163	20.0000	19
	54 Bromodichloromethane	83	12.547	12.553	(1.097)	1773898	20.0000	19
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	1435543	20.0000	19
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	1508643	20.0000	19
	57 n-Octane	43	13.545	13.551	(1.184)	1685671	20.0000	17
	58 Toluene	92	13.604	13.604	(0.876)	1975526	20.0000	18
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	1469230	20.0000	19
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	940139	20.0000	18
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	1815261	20.0000	18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.934)	1488292	20.0000	19
63	Dibromochloromethane	129	14.784	14.784	(0.952)	2022686	20.0000	19
64	1,2-Dibromoethane	107	14.986	14.986	(0.965)	1800609	20.0000	19
* 65	Chlorobenzene-d5	117	15.525	15.525	(1.000)	1800221	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.002)	2794312	20.0000	19
67	n-Nonane	57	15.611	15.611	(1.006)	1937423	20.0000	18
68	Ethylbenzene	91	15.622	15.621	(1.006)	4487029	20.0000	19
69	Xylene (m,p)	106	15.766	15.766	(1.015)	3649944	40.0000	38
M 70	Xylenes, Total	106				5394903	20.0000	57
71	Xylene (o)	106	16.273	16.273	(1.048)	1744959	20.0000	19
72	Styrene	104	16.299	16.299	(1.050)	2844608	20.0000	21
73	Bromoform	173	16.593	16.593	(1.069)	2249803	20.0000	19
74	Isopropylbenzene	105	16.673	16.673	(1.074)	5006139	20.0000	19
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	2528258	20.0000	18
76	n-Propylbenzene	91	17.148	17.148	(1.105)	5984168	20.0000	19
77	1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	1924463	20.0000	19
78	n-Decane	57	17.191	17.191	(1.107)	2488121	20.0000	19
79	4-Ethyltoluene	105	17.271	17.271	(1.112)	5242086	20.0000	19
80	2-Chlorotoluene	91	17.319	17.319	(1.115)	4212948	20.0000	19
81	1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	4360268	20.0000	19
82	Alpha Methyl Styrene	118	17.623	17.623	(1.135)	2288095	20.0000	23
83	tert-butylbenzene	119	17.724	17.724	(1.142)	4167383	20.0000	19
84	1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	4277358	20.0000	19
85	sec-Butylbenzene	105	17.991	17.991	(1.159)	6241363	20.0000	19
86	4-Isopropyltoluene	119	18.146	18.146	(1.169)	5341197	20.0000	19
87	1,3-Dichlorobenzene	146	18.231	18.231	(1.174)	3100048	20.0000	20
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	3060019	20.0000	20
89	Benzyl chloride	91	18.514	18.514	(1.192)	3651346	20.0000	20
90	Undecane	57	18.605	18.605	(1.198)	2658851	20.0000	19
91	n-Butylbenzene	91	18.669	18.669	(1.202)	4529682	20.0000	19
92	1,2-Dichlorobenzene	146	18.850	18.856	(1.214)	2903799	20.0000	19
93	Dodecane	57	20.131	20.131	(1.297)	2585408	20.0000	20
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	2295672	20.0000	23
95	1,3-Hexachlorobutadiene	225	21.481	21.487	(1.384)	2455240	20.0000	20
96	Naphthalene	128	21.860	21.860	(1.408)	4680613	20.0000	23
97	1,2,3-Trichlorobenzene	180	22.351	22.357	(1.440)	2056906	20.0000	24

Data File:	blb011.d	Date:	21-AUG-2013 16:59
Client ID:		Instrument:	B.i
Operator:	wrd	Inj Vol:	200.0
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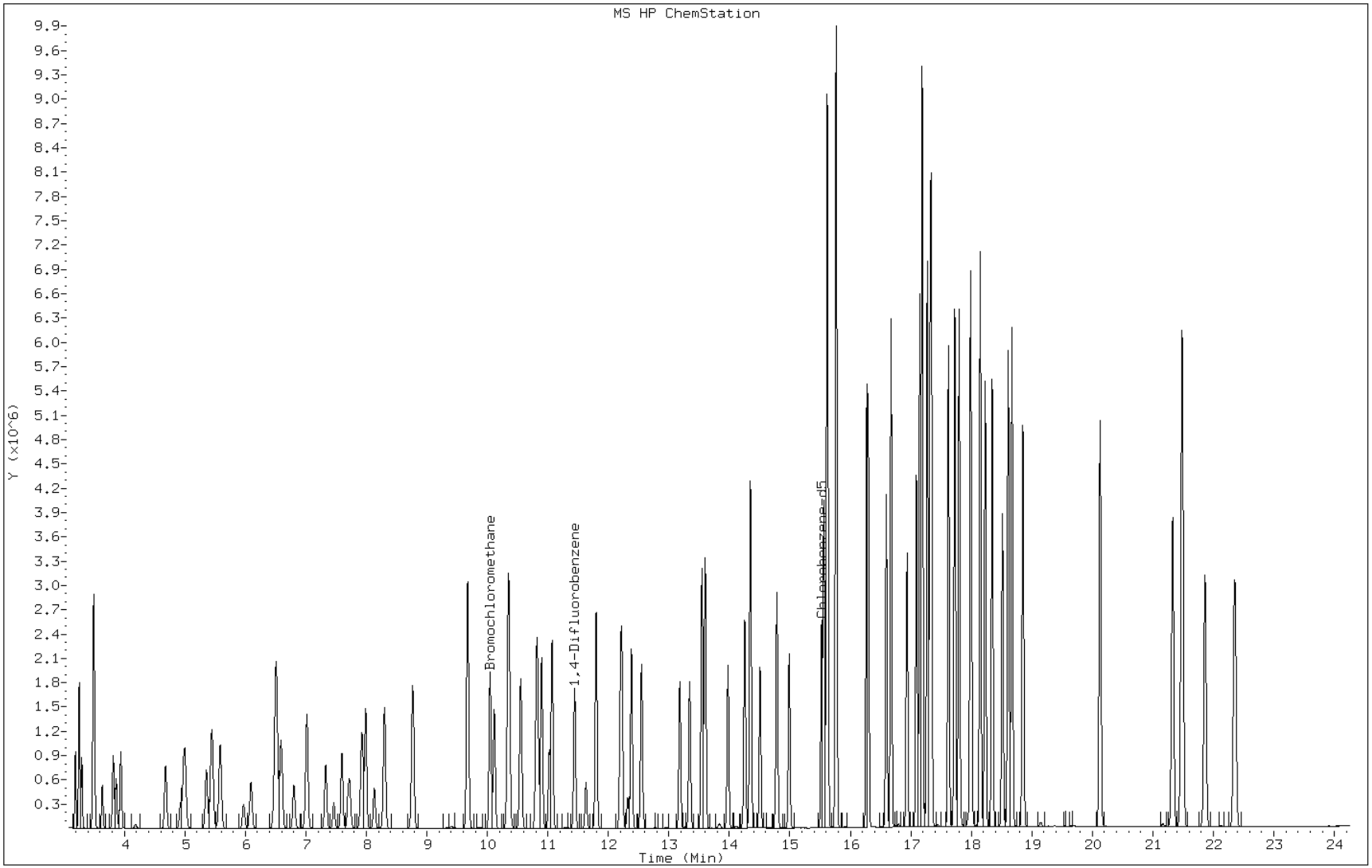
Stationary Phase:	RTX-624		
Sample Info:	ic 531963		
Lab Sample ID:	ic 531963		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb012.d
Lab Smp Id: ic 531949
Inj Date : 21-AUG-2013 17:52
Operator : wrd Inst ID: B.i
Smp Info : ic 531949
Misc Info : level 07
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 17:52 Cal File: blb012.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1	Propene	41	3.192	3.197	(0.318)	884499	40.0000	30
2	Dichlorodifluoromethane	85	3.256	3.261	(0.324)	3249002	40.0000	33
3	Chlorodifluoromethane	51	3.299	3.304	(0.328)	1862808	40.0000	32
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.347)	3840798	40.0000	32
5	Chloromethane	50	3.635	3.640	(0.362)	1162327	40.0000	33
6	Butane	43	3.822	3.822	(0.380)	1917937	40.0000	32
7	Vinyl chloride	62	3.870	3.870	(0.385)	1502031	40.0000	31
8	1,3-Butadiene	54	3.939	3.944	(0.392)	1093947	40.0000	32
9	Bromomethane	94	4.686	4.686	(0.466)	1537355	40.0000	34
10	Chloroethane	64	4.932	4.937	(0.491)	824480	40.0000	35
11	2-Methylbutane	43	4.996	4.996	(0.497)	1513529	40.0000	31
12	Vinyl bromide	106	5.359	5.359	(0.533)	1644771	40.0000	35
13	Trichlorofluoromethane	101	5.449	5.455	(0.542)	3840527	40.0000	35
14	Pentane	43	5.583	5.588	(0.556)	2273401	40.0000	34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	5.983	5.972	(0.595)	1215116	100.000	83
	16 Ethyl ether	59	6.095	6.095	(0.606)	1084455	40.0000	35
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	3149362	40.0000	36
	18 Acrolein	56	6.517	6.517	(0.648)	595732	40.0000	39
	19 1,1-Dichloroethene	96	6.597	6.597	(0.656)	1508718	40.0000	35
	20 Acetone	43	6.805	6.805	(0.677)	1723467	40.0000	34
	21 Carbon disulfide	76	7.024	7.024	(0.699)	4530719	40.0000	36
	22 Isopropanol	45	7.018	7.002	(0.698)	1511187	40.0000	35
	23 Allyl chloride	41	7.328	7.328	(0.729)	1450398	40.0000	33
	24 Acetonitrile	41	7.467	7.467	(0.743)	859142	40.0000	36
	25 Methylene chloride	49	7.600	7.600	(0.756)	1360107	40.0000	34
	26 Tert-butyl alcohol	59	7.728	7.712	(0.769)	2499890	40.0000	36
	27 Methyl tert-butyl ether	73	7.931	7.931	(0.789)	4352392	40.0000	35
	28 1,2-Dichloroethene (trans)	61	7.995	7.990	(0.796)	2156769	40.0000	35
	29 Acrylonitrile	53	8.139	8.134	(0.810)	1038354	40.0000	36
	30 n-Hexane	57	8.299	8.299	(0.826)	2349011	40.0000	33
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	2683870	40.0000	33
	32 Vinyl acetate	43	8.780	8.774	(0.874)	3357460	40.0000	38
M	33 1,2-Dichloroethene,Total	61				3927693	80.0000	70
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.962)	1770924	40.0000	36
	35 Ethyl acetate	88	9.682	9.676	(0.963)	163693	40.0000	39
	36 Methyl Ethyl Ketone	72	9.687	9.687	(0.964)	830816	40.0000	33
*	37 Bromochloromethane	128	10.050	10.044	(1.000)	428388	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.877)	1391242	40.0000	38
	39 Chloroform	83	10.119	10.114	(1.007)	3137425	40.0000	35
	40 Cyclohexane	84	10.349	10.349	(0.904)	2447519	40.0000	37
	41 1,1,1-Trichloroethane	97	10.365	10.365	(0.905)	3280664	40.0000	37
	42 Carbon tetrachloride	117	10.551	10.551	(0.922)	3521368	40.0000	36
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.945)	7435749	40.0000	36
	44 Benzene	78	10.904	10.898	(0.952)	5152163	40.0000	36
	45 1,2-Dichloroethane	62	11.026	11.021	(0.963)	1859333	40.0000	36
	46 n-Heptane	43	11.069	11.069	(0.967)	2381550	40.0000	34
*	47 1,4-Difluorobenzene	114	11.448	11.448	(1.000)	2003609	10.0000	
	48 n-Butanol	56	11.635	11.629	(1.016)	895650	40.0000	38
	49 Trichloroethene	95	11.800	11.800	(1.031)	2326861	40.0000	36
	50 1,2-Dichloropropane	63	12.206	12.200	(1.066)	1808821	40.0000	36
	51 Methyl methacrylate	69	12.227	12.222	(1.068)	1944535	40.0000	39
	52 Dibromomethane	174	12.387	12.382	(1.082)	2417990	40.0000	38
	53 1,4-Dioxane	88	12.323	12.323	(1.076)	771570	40.0000	37
	54 Bromodichloromethane	83	12.553	12.553	(1.096)	3593860	40.0000	37
	55 1,3-Dichloropropene (cis)	75	13.183	13.177	(1.151)	2928245	40.0000	37
	56 Methyl isobutyl ketone	43	13.348	13.343	(1.166)	3036489	40.0000	37
	57 n-Octane	43	13.551	13.551	(1.184)	3415942	40.0000	35
	58 Toluene	92	13.604	13.604	(0.876)	4012684	40.0000	37
	59 1,3-Dichloropropene (trans)	75	13.983	13.978	(1.221)	2994408	40.0000	37
	60 1,1,2-Trichloroethane	83	14.255	14.250	(0.918)	1914780	40.0000	36
	61 Tetrachloroethene	166	14.351	14.346	(0.924)	3796949	40.0000	37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.511	14.506	(0.935)	2996726	40.0000	37
63	Dibromochloromethane	129	14.789	14.784	(0.953)	4184961	40.0000	39
64	1,2-Dibromoethane	107	14.992	14.986	(0.966)	3675293	40.0000	38
* 65	Chlorobenzene-d5	117	15.525	15.525	(1.000)	1818688	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.002)	5702957	40.0000	38
67	n-Nonane	57	15.616	15.611	(1.006)	3896249	40.0000	37
68	Ethylbenzene	91	15.627	15.621	(1.007)	8804321	40.0000	37
69	Xylene (m,p)	106	15.771	15.766	(1.016)	7331276	80.0000	76
M 70	Xylenes, Total	106				10920893	40.0000	110
71	Xylene (o)	106	16.278	16.273	(1.048)	3589617	40.0000	38
72	Styrene	104	16.299	16.299	(1.050)	5849971	40.0000	44(A)
73	Bromoform	173	16.598	16.593	(1.069)	4720503	40.0000	40(A)
74	Isopropylbenzene	105	16.678	16.673	(1.074)	10172692	40.0000	37
75	1,1,2,2-Tetrachloroethane	83	17.095	17.089	(1.101)	5061543	40.0000	36
76	n-Propylbenzene	91	17.153	17.148	(1.105)	11706035	40.0000	36
77	1,2,3-Trichloropropane	75	17.185	17.180	(1.107)	3748796	40.0000	37
78	n-Decane	57	17.191	17.191	(1.107)	4892519	40.0000	38
79	4-Ethyltoluene	105	17.276	17.271	(1.113)	10259076	40.0000	37
80	2-Chlorotoluene	91	17.324	17.319	(1.116)	8276929	40.0000	37
81	1,3,5-Trimethylbenzene	105	17.345	17.340	(1.117)	8160317	40.0000	36
82	Alpha Methyl Styrene	118	17.623	17.623	(1.135)	4618846	40.0000	45(A)
83	tert-butylbenzene	119	17.730	17.724	(1.142)	8301040	40.0000	37
84	1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	8519270	40.0000	38
85	sec-Butylbenzene	105	17.991	17.991	(1.159)	12262887	40.0000	36
86	4-Isopropyltoluene	119	18.151	18.146	(1.169)	10766812	40.0000	38
87	1,3-Dichlorobenzene	146	18.231	18.231	(1.174)	6209065	40.0000	39
88	1,4-Dichlorobenzene	146	18.349	18.343	(1.182)	6190205	40.0000	40
89	Benzyl chloride	91	18.519	18.514	(1.193)	7401609	40.0000	40
90	Undecane	57	18.610	18.605	(1.199)	5701556	40.0000	41(A)
91	n-Butylbenzene	91	18.674	18.669	(1.203)	9437156	40.0000	39
92	1,2-Dichlorobenzene	146	18.856	18.856	(1.214)	5929434	40.0000	39
93	Dodecane	57	20.131	20.131	(1.297)	5374937	40.0000	42(A)
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	5150355	40.0000	51(A)
95	1,3-Hexachlorobutadiene	225	21.487	21.487	(1.384)	5303856	40.0000	42(A)
96	Naphthalene	128	21.866	21.860	(1.408)	9926968	40.0000	49(A)
97	1,2,3-Trichlorobenzene	180	22.357	22.357	(1.440)	4503368	40.0000	52(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	blb012.d	Date:	21-AUG-2013 17:52
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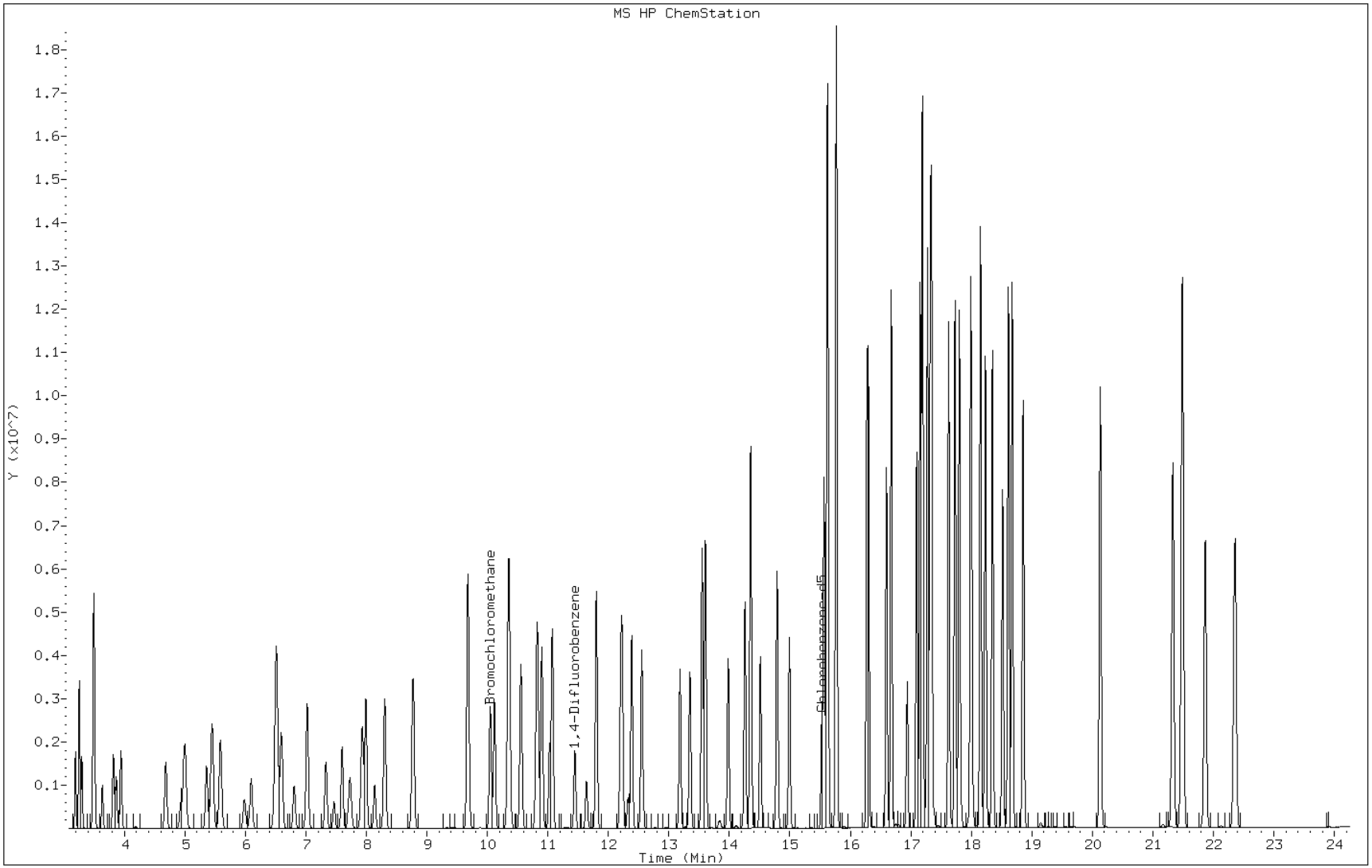
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 531949		
Lab Sample ID:	ic 531949		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb017.d
Lab Smp Id: icis 531966
Inj Date : 21-AUG-2013 22:12
Operator : wrd Inst ID: B.i
Smp Info : icis 531966
Misc Info : level 04
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1	Propene	41	3.197	3.197	(0.318)	229588	10.0000	8.4
2	Dichlorodifluoromethane	85	3.261	3.261	(0.325)	842744	10.0000	9.2
3	Chlorodifluoromethane	51	3.304	3.304	(0.329)	477210	10.0000	8.8
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.496	3.496	(0.348)	998086	10.0000	8.8
5	Chloromethane	50	3.640	3.640	(0.362)	296613	10.0000	8.9
6	Butane	43	3.822	3.822	(0.380)	494753	10.0000	8.7
7	Vinyl chloride	62	3.870	3.870	(0.385)	383213	10.0000	8.4
8	1,3-Butadiene	54	3.944	3.944	(0.393)	278141	10.0000	8.7
9	Bromomethane	94	4.686	4.686	(0.467)	385488	10.0000	9.2
10	Chloroethane	64	4.937	4.937	(0.492)	207700	10.0000	9.4
11	2-Methylbutane	43	4.996	4.996	(0.497)	383687	10.0000	8.4
12	Vinyl bromide	106	5.359	5.359	(0.533)	408646	10.0000	9.3
13	Trichlorofluoromethane	101	5.455	5.455	(0.543)	952162	10.0000	9.1
14	Pentane	43	5.588	5.588	(0.556)	574432	10.0000	9.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	5.972	5.972	(0.595)	211505	15.0000	15
	16 Ethyl ether	59	6.095	6.095	(0.607)	269300	10.0000	9.2
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	767693	10.0000	9.3
	18 Acrolein	56	6.517	6.517	(0.649)	145063	10.0000	10
	19 1,1-Dichloroethene	96	6.597	6.597	(0.657)	371066	10.0000	9.3
	20 Acetone	43	6.805	6.805	(0.677)	464881	10.0000	9.8
	21 Carbon disulfide	76	7.024	7.024	(0.699)	1123212	10.0000	9.5
	22 Isopropanol	45	7.002	7.002	(0.697)	406214	10.0000	10
	23 Allyl chloride	41	7.328	7.328	(0.730)	366461	10.0000	8.9
	24 Acetonitrile	41	7.467	7.467	(0.743)	224590	10.0000	10
	25 Methylene chloride	49	7.600	7.600	(0.757)	343403	10.0000	9.3
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	662139	10.0000	10
	27 Methyl tert-butyl ether	73	7.931	7.931	(0.790)	1074457	10.0000	9.3
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	534263	10.0000	9.2
	29 Acrylonitrile	53	8.134	8.134	(0.810)	260185	10.0000	9.6
	30 n-Hexane	57	8.299	8.299	(0.826)	580399	10.0000	8.8
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	663752	10.0000	8.8
	32 Vinyl acetate	43	8.774	8.774	(0.874)	824782	10.0000	9.9
M	33 1,2-Dichloroethene,Total	61				965671	20.0000	18
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	431408	10.0000	9.3
	35 Ethyl acetate	88	9.676	9.676	(0.963)	39743	10.0000	10
	36 Methyl Ethyl Ketone	72	9.687	9.687	(0.964)	207833	10.0000	8.8
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	401354	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.877)	355770	10.0000	9.9
	39 Chloroform	83	10.114	10.114	(1.007)	775042	10.0000	9.2
	40 Cyclohexane	84	10.349	10.349	(0.904)	591500	10.0000	9.2
	41 1,1,1-Trichloroethane	97	10.365	10.365	(0.905)	794761	10.0000	9.2
	42 Carbon tetrachloride	117	10.551	10.551	(0.922)	845366	10.0000	8.9
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.945)	1826395	10.0000	9.1
	44 Benzene	78	10.898	10.898	(0.952)	1272008	10.0000	9.0
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	465217	10.0000	9.1
	46 n-Heptane	43	11.069	11.069	(0.967)	586971	10.0000	8.7
*	47 1,4-Difluorobenzene	114	11.448	11.448	(1.000)	1961144	10.0000	
	48 n-Butanol	56	11.629	11.629	(1.016)	231654	10.0000	10
	49 Trichloroethene	95	11.800	11.800	(1.031)	561099	10.0000	8.8
	50 1,2-Dichloropropane	63	12.200	12.200	(1.066)	443912	10.0000	9.0
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	466711	10.0000	9.6
	52 Dibromomethane	174	12.382	12.382	(1.082)	576001	10.0000	9.3
	53 1,4-Dioxane	88	12.323	12.323	(1.076)	205195	10.0000	10
	54 Bromodichloromethane	83	12.553	12.553	(1.097)	872199	10.0000	9.3
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.151)	713931	10.0000	9.2
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.165)	756054	10.0000	9.5
	57 n-Octane	43	13.551	13.551	(1.184)	837783	10.0000	8.7
	58 Toluene	92	13.604	13.604	(0.876)	976545	10.0000	9.3
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.221)	730880	10.0000	9.3
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	464555	10.0000	9.2
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	888395	10.0000	9.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.934)	745014	10.0000	9.6
63	Dibromochloromethane	129	14.784	14.784	(0.952)	982805	10.0000	9.4
64	1,2-Dibromoethane	107	14.986	14.986	(0.965)	882168	10.0000	9.4
* 65	Chlorobenzene-d5	117	15.525	15.525	(1.000)	1747713	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.002)	1372177	10.0000	9.4
67	n-Nonane	57	15.611	15.611	(1.005)	945457	10.0000	9.3
68	Ethylbenzene	91	15.621	15.621	(1.006)	2188050	10.0000	9.4
69	Xylene (m,p)	106	15.766	15.766	(1.015)	1759192	20.0000	19
M 70	Xylenes, Total	106				2610801	10.0000	28
71	Xylene (o)	106	16.273	16.273	(1.048)	851609	10.0000	9.4
72	Styrene	104	16.299	16.299	(1.050)	1375924	10.0000	11
73	Bromoform	173	16.593	16.593	(1.069)	1076259	10.0000	9.6
74	Isopropylbenzene	105	16.673	16.673	(1.074)	2449722	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	1237914	10.0000	9.2
76	n-Propylbenzene	91	17.148	17.148	(1.105)	2924750	10.0000	9.5
77	1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	935143	10.0000	9.7
78	n-Decane	57	17.191	17.191	(1.107)	1214570	10.0000	9.7
79	4-Ethyltoluene	105	17.271	17.271	(1.112)	2539824	10.0000	9.6
80	2-Chlorotoluene	91	17.319	17.319	(1.115)	2032254	10.0000	9.5
81	1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	2096676	10.0000	9.6
82	Alpha Methyl Styrene	118	17.623	17.623	(1.135)	1106133	10.0000	11
83	tert-butylbenzene	119	17.724	17.724	(1.142)	2026451	10.0000	9.5
84	1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	2064684	10.0000	9.5
85	sec-Butylbenzene	105	17.991	17.991	(1.159)	3046895	10.0000	9.3
86	4-Isopropyltoluene	119	18.146	18.146	(1.169)	2620819	10.0000	9.7
87	1,3-Dichlorobenzene	146	18.231	18.231	(1.174)	1475555	10.0000	9.7
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	1454987	10.0000	9.7
89	Benzyl chloride	91	18.514	18.514	(1.192)	1777587	10.0000	10
90	Undecane	57	18.605	18.605	(1.198)	1297151	10.0000	9.7
91	n-Butylbenzene	91	18.669	18.669	(1.202)	2302268	10.0000	9.9
92	1,2-Dichlorobenzene	146	18.856	18.856	(1.214)	1407609	10.0000	9.6
93	Dodecane	57	20.131	20.131	(1.297)	1219275	10.0000	9.9
94	1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	964463	10.0000	10
95	1,3-Hexachlorobutadiene	225	21.487	21.487	(1.384)	1134201	10.0000	9.3
96	Naphthalene	128	21.860	21.860	(1.408)	2024514	10.0000	10
97	1,2,3-Trichlorobenzene	180	22.357	22.357	(1.440)	903009	10.0000	11

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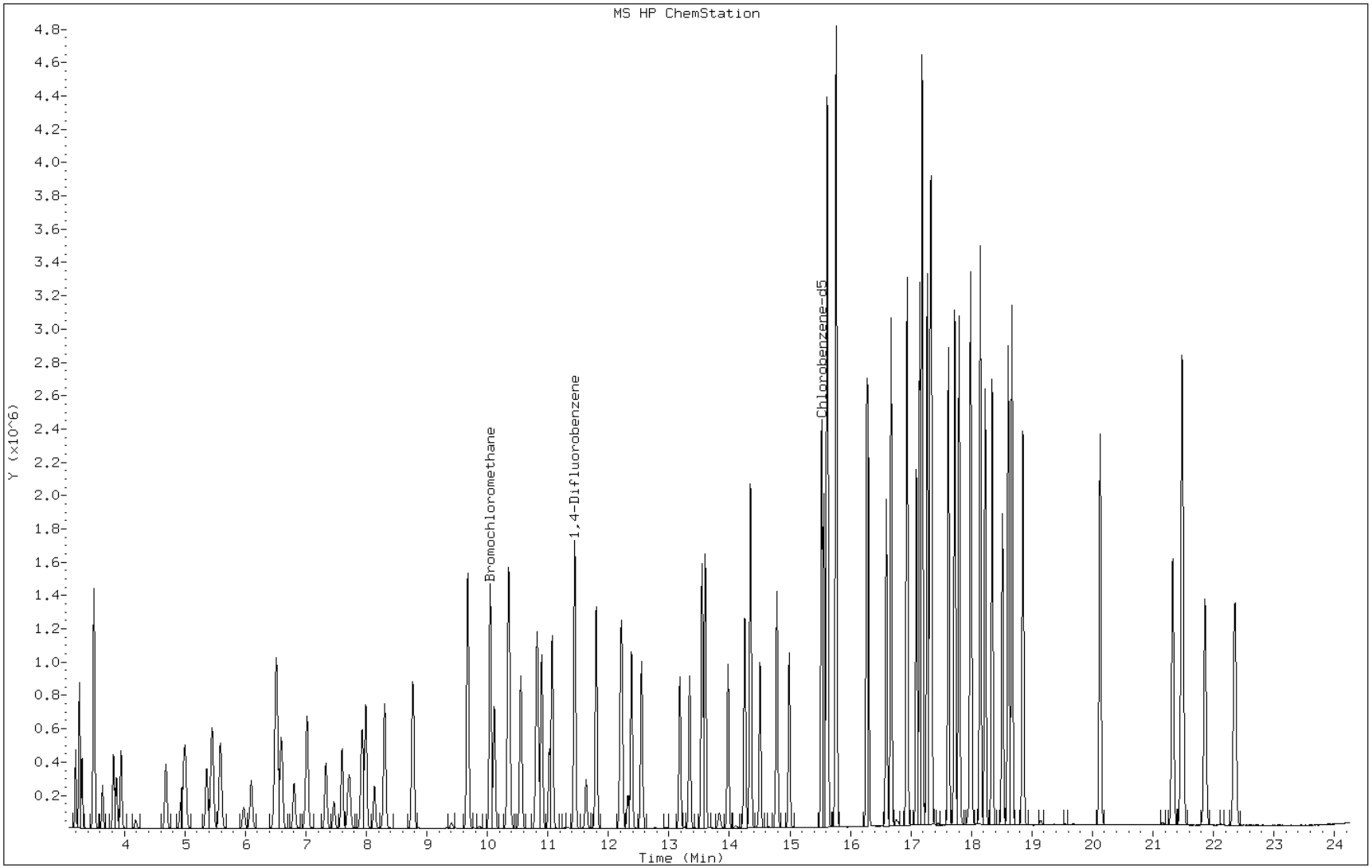
Stationary Phase:	RTX-624		
Sample Info:	icis 531966		
Lab Sample ID:	icis 531966		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60131/19 Calibration Date: 08/21/2013 23:56

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blb019.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
Propylene	Ave	0.6771	0.5817		8.59	10.0	-14.1	30.0
Dichlorodifluoromethane	Ave	2.289	2.167		9.47	10.0	-5.3	30.0
Freon 22	Ave	1.345	1.230		9.14	10.0	-8.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.842	2.574		9.06	10.0	-9.4	30.0
Chloromethane	Ave	0.8287	0.7619		9.19	10.0	-8.1	30.0
n-Butane	Ave	1.411	1.249		8.85	10.0	-11.5	30.0
Vinyl chloride	Ave	1.135	0.9865		8.69	10.0	-13.1	30.0
1,3-Butadiene	Ave	0.7978	0.7386		9.26	10.0	-7.4	30.0
Bromomethane	Ave	1.049	0.9604		9.15	10.0	-8.5	30.0
Chloroethane	Ave	0.5508	0.5306		9.63	10.0	-3.7	30.0
Isopentane	Ave	1.135	0.9931		8.75	10.0	-12.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.099	1.058		9.62	10.0	-3.8	30.0
Trichlorofluoromethane	Ave	2.593	2.438		9.40	10.0	-6.0	30.0
n-Pentane	Ave	1.542	1.441		9.34	10.0	-6.6	30.0
Ethanol	Ave	0.3421	0.3058		13.4	15.0	-10.6	30.0
Ethyl ether	Ave	0.7256	0.6588		9.08	10.0	-9.2	30.0
Acrolein	Ave	0.3586	0.3320		9.26	10.0	-7.4	30.0
Freon TF	Ave	2.067	2.121		10.3	10.0	2.6	30.0
1,1-Dichloroethene	Ave	0.997	1.039		10.4	10.0	4.2	30.0
Acetone	Ave	1.181	1.777		15.0	10.0	50.5*	30.0
Isopropyl alcohol	Ave	0.996	1.132		11.4	10.0	13.6	30.0
Carbon disulfide	Ave	2.931	2.926		9.98	10.0	-0.2	30.0
3-Chloropropene	Ave	1.023	0.9587		9.37	10.0	-6.3	30.0
Acetonitrile	Ave	0.5554	0.5842		10.5	10.0	5.2	30.0
Methylene Chloride	Ave	0.9231	0.9504		10.3	10.0	3.0	30.0
tert-Butyl alcohol	Ave	1.613	1.887		11.7	10.0	17.0	30.0
Methyl tert-butyl ether	Ave	2.892	2.783		9.62	10.0	-3.8	30.0
trans-1,2-Dichloroethene	Ave	1.448	1.373		9.48	10.0	-5.2	30.0
Acrylonitrile	Ave	0.6746	0.6797		10.1	10.0	0.7	30.0
n-Hexane	Ave	1.639	1.506		9.18	10.0	-8.1	30.0
1,1-Dichloroethane	Ave	1.882	1.717		9.12	10.0	-8.8	30.0
Vinyl acetate	Ave	2.080	2.112		10.2	10.0	1.6	30.0
cis-1,2-Dichloroethene	Ave	1.162	1.137		9.79	10.0	-2.1	30.0
Ethyl acetate	Ave	0.0988	0.1010		10.2	10.0	2.1	30.0
Methyl Ethyl Ketone	Ave	0.5909	0.5715		9.67	10.0	-3.3	30.0
Tetrahydrofuran	Ave	0.1832	0.1917		10.5	10.0	4.6	30.0
Chloroform	Ave	2.096	1.992		9.50	10.0	-5.0	30.0
Cyclohexane	Ave	0.3281	0.3137		9.56	10.0	-4.4	30.0
1,1,1-Trichloroethane	Ave	0.4400	0.4160		9.45	10.0	-5.4	30.0
Carbon tetrachloride	Ave	0.4859	0.4372		8.99	10.0	-10.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60131/19 Calibration Date: 08/21/2013 23:56

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blb019.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
2,2,4-Trimethylpentane	Ave	1.025	0.9779		9.54	10.0	-4.6	30.0
Benzene	Ave	0.7230	0.6701		9.27	10.0	-7.3	30.0
1,2-Dichloroethane	Ave	0.2599	0.2434		9.36	10.0	-6.4	30.0
n-Heptane	Ave	0.3450	0.3150		9.13	10.0	-8.7	30.0
n-Butanol	Ave	0.1184	0.1156		9.76	10.0	-2.4	30.0
Trichloroethene	Ave	0.3257	0.2914		8.94	10.0	-10.5	30.0
1,2-Dichloropropane	Ave	0.2506	0.2291		9.14	10.0	-8.6	30.0
Methyl methacrylate	Ave	0.2471	0.2419		9.79	10.0	-2.1	30.0
1,4-Dioxane	Ave	0.1040	0.1156		11.1	10.0	11.2	30.0
Dibromomethane	Ave	0.3143	0.2964		9.43	10.0	-5.7	30.0
Bromodichloromethane	Ave	0.4806	0.4671		9.72	10.0	-2.8	30.0
cis-1,3-Dichloropropene	Ave	0.3942	0.3636		9.22	10.0	-7.8	30.0
Methyl isobutyl ketone	Ave	0.4042	0.4036		9.98	10.0	-0.1	30.0
n-Octane	Ave	0.4930	0.4418		8.96	10.0	-10.4	30.0
Toluene	Ave	0.6024	0.5511		9.15	10.0	-8.5	30.0
trans-1,3-Dichloropropene	Ave	0.4022	0.3706		9.21	10.0	-7.8	30.0
1,1,2-Trichloroethane	Ave	0.2891	0.2531		8.75	10.0	-12.4	30.0
Tetrachloroethene	Ave	0.5599	0.4924		8.79	10.0	-12.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4443	0.4309		9.70	10.0	-3.0	30.0
Dibromochloromethane	Ave	0.5967	0.5788		9.70	10.0	-3.0	30.0
1,2-Dibromoethane	Ave	0.5376	0.4883		9.08	10.0	-9.2	30.0
Chlorobenzene	Ave	0.8355	0.7612		9.11	10.0	-8.9	30.0
n-Nonane	Ave	0.5822	0.5443		9.35	10.0	-6.5	30.0
Ethylbenzene	Ave	1.325	1.232		9.30	10.0	-7.0	30.0
m-Xylene & p-Xylene	Ave	0.5316	0.4923		18.5	20.0	-7.4	30.0
o-Xylene	Ave	0.5186	0.4683		9.03	10.0	-9.7	30.0
Styrene	Ave	0.7374	0.7079		9.60	10.0	-4.0	30.0
Bromoform	Ave	0.6433	0.6276		9.75	10.0	-2.4	30.0
Cumene	Ave	1.496	1.387		9.27	10.0	-7.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7680	0.6787		8.84	10.0	-11.6	30.0
n-Propylbenzene	Ave	1.765	1.664		9.42	10.0	-5.7	30.0
1,2,3-Trichloropropane	Ave	0.5510	0.5302		9.62	10.0	-3.8	30.0
n-Decane	Ave	0.7154	0.6923		9.67	10.0	-3.2	30.0
4-Ethyltoluene	Ave	1.521	1.456		9.57	10.0	-4.3	30.0
2-Chlorotoluene	Ave	1.225	1.147		9.36	10.0	-6.4	30.0
1,3,5-Trimethylbenzene	Ave	1.247	1.152		9.24	10.0	-7.6	30.0
Alpha Methyl Styrene	Ave	0.4811	0.3728		6.64	10.0	-22.5	30.0
tert-Butylbenzene	Ave	1.219	1.148		9.42	10.0	-5.8	30.0
1,2,4-Trimethylbenzene	Ave	1.243	1.119		9.00	10.0	-10.0	30.0
sec-Butylbenzene	Ave	1.871	1.734		9.26	10.0	-7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: ICV 200-60131/19 Calibration Date: 08/21/2013 23:56

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blb019.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
4-Isopropyltoluene	Ave	1.553	1.476		9.50	10.0	-5.0	30.0
1,3-Dichlorobenzene	Ave	0.8745	0.8093		9.25	10.0	-7.5	30.0
1,4-Dichlorobenzene	Ave	0.8575	0.7992		9.32	10.0	-6.8	30.0
n-Undecane	Ave	0.7615	0.7454		9.79	10.0	-2.1	30.0
Benzyl chloride	Ave	1.020	1.304		12.8	10.0	27.8	30.0
n-Butylbenzene	Ave	1.334	1.304		9.77	10.0	-2.2	30.0
1,2-Dichlorobenzene	Ave	0.8397	0.7485		8.91	10.0	-10.9	30.0
n-Dodecane	Ave	0.7026	0.6608		9.40	10.0	-5.9	30.0
1,2,4-Trichlorobenzene	Ave	0.5534	0.5128		9.26	10.0	-7.3	30.0
Hexachlorobutadiene	Ave	0.6942	0.6030		8.68	10.0	-13.1	30.0
Naphthalene	Ave	1.119	1.060		9.47	10.0	-5.3	30.0
1,2,3-Trichlorobenzene	Ave	0.4757	0.5007		10.5	10.0	5.2	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb019.d
Lab Smp Id: icv 535140
Inj Date : 21-AUG-2013 23:56
Operator : wrd Inst ID: B.i
Smp Info : icv 535140
Misc Info : icv
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/to15v5.m
Meth Date : 22-Aug-2013 14:45 pd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 5 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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	0.00000	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)
1	Propene	41	3.192	3.197	(0.318)	233306	8.58881	8.6
2	Dichlorodifluoromethane	85	3.256	3.261	(0.324)	869278	9.46552	9.5
3	Chlorodifluoromethane	51	3.299	3.304	(0.328)	493448	9.14340	9.1
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	1032406	9.05603	9.1
5	Chloromethane	50	3.635	3.640	(0.362)	305597	9.19280	9.2
6	Butane	43	3.822	3.822	(0.380)	500857	8.84858	8.8
7	Vinyl chloride	62	3.870	3.870	(0.385)	395676	8.69149	8.7
8	1,3-Butadiene	54	3.939	3.944	(0.392)	296258	9.25698	9.3
9	Bromomethane	94	4.681	4.686	(0.466)	385214	9.15150	9.2
10	Chloroethane	64	4.932	4.937	(0.491)	212810	9.63110	9.6
11	2-Methylbutane	43	4.996	4.996	(0.497)	398330	8.74661	8.7
12	Vinyl bromide	106	5.359	5.359	(0.533)	424286	9.61992	9.6
13	Trichlorofluoromethane	101	5.449	5.455	(0.543)	977660	9.39695	9.4
14	Pentane	43	5.583	5.588	(0.556)	577928	9.34041	9.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	5.972	5.972	(0.595)	184059	13.4122	13
	16 Ethyl ether	59	6.090	6.095	(0.606)	264228	9.07703	9.1
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	850602	10.2595	10
	18 Acrolein	56	6.511	6.517	(0.648)	133180	9.25842	9.3
	19 1,1-Dichloroethene	96	6.591	6.597	(0.656)	416583	10.4173	10
	20 Acetone	43	6.800	6.805	(0.677)	712900	15.0432	15(R)
	21 Carbon disulfide	76	7.024	7.024	(0.699)	1173421	9.97937	10
	22 Isopropanol	45	7.002	7.002	(0.697)	454128	11.3618	11
	23 Allyl chloride	41	7.328	7.328	(0.730)	384510	9.37216	9.4
	24 Acetonitrile	41	7.461	7.467	(0.743)	234311	10.5168	11
	25 Methylene chloride	49	7.595	7.600	(0.756)	381190	10.2932	10
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	756883	11.6993	12
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	1116171	9.62069	9.6
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	550521	9.47696	9.5
	29 Acrylonitrile	53	8.134	8.134	(0.810)	272608	10.0729	10
	30 n-Hexane	57	8.299	8.299	(0.826)	603916	9.18453	9.2
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	688481	9.12082	9.1
	32 Vinyl acetate	43	8.769	8.774	(0.873)	847303	10.1546	10
M	33 1,2-Dichloroethene,Total	61				1006677	19.2653	19
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	456156	9.78838	9.8
	35 Ethyl acetate	88	9.676	9.676	(0.963)	40493	10.2116	10
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	229207	9.66906	9.7
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	401169	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.878)	374084	10.4576	10
	39 Chloroform	83	10.114	10.114	(1.007)	799075	9.50284	9.5
	40 Cyclohexane	84	10.349	10.349	(0.904)	612238	9.55952	9.6
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	811976	9.45334	9.5
	42 Carbon tetrachloride	117	10.551	10.551	(0.922)	853327	8.99472	9.0
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	1908735	9.53929	9.5
	44 Benzene	78	10.898	10.898	(0.952)	1308022	9.26667	9.3
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	475052	9.36299	9.4
	46 n-Heptane	43	11.069	11.069	(0.967)	614759	9.12598	9.1
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1952287	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	225698	9.76070	9.8
	49 Trichloroethene	95	11.795	11.800	(1.031)	568704	8.94351	8.9
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	447170	9.14059	9.1
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	472219	9.78881	9.8
	52 Dibromomethane	174	12.382	12.382	(1.082)	578533	9.42927	9.4
	53 1,4-Dioxane	88	12.318	12.323	(1.076)	225627	11.1139	11
	54 Bromodichloromethane	83	12.547	12.553	(1.097)	911823	9.71883	9.7
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	709735	9.22303	9.2
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	787775	9.98329	10
	57 n-Octane	43	13.545	13.551	(1.184)	862324	8.96023	9.0
	58 Toluene	92	13.599	13.604	(0.876)	975320	9.14706	9.1
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	723351	9.21317	9.2
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	447905	8.75391	8.8
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	871479	8.79385	8.8

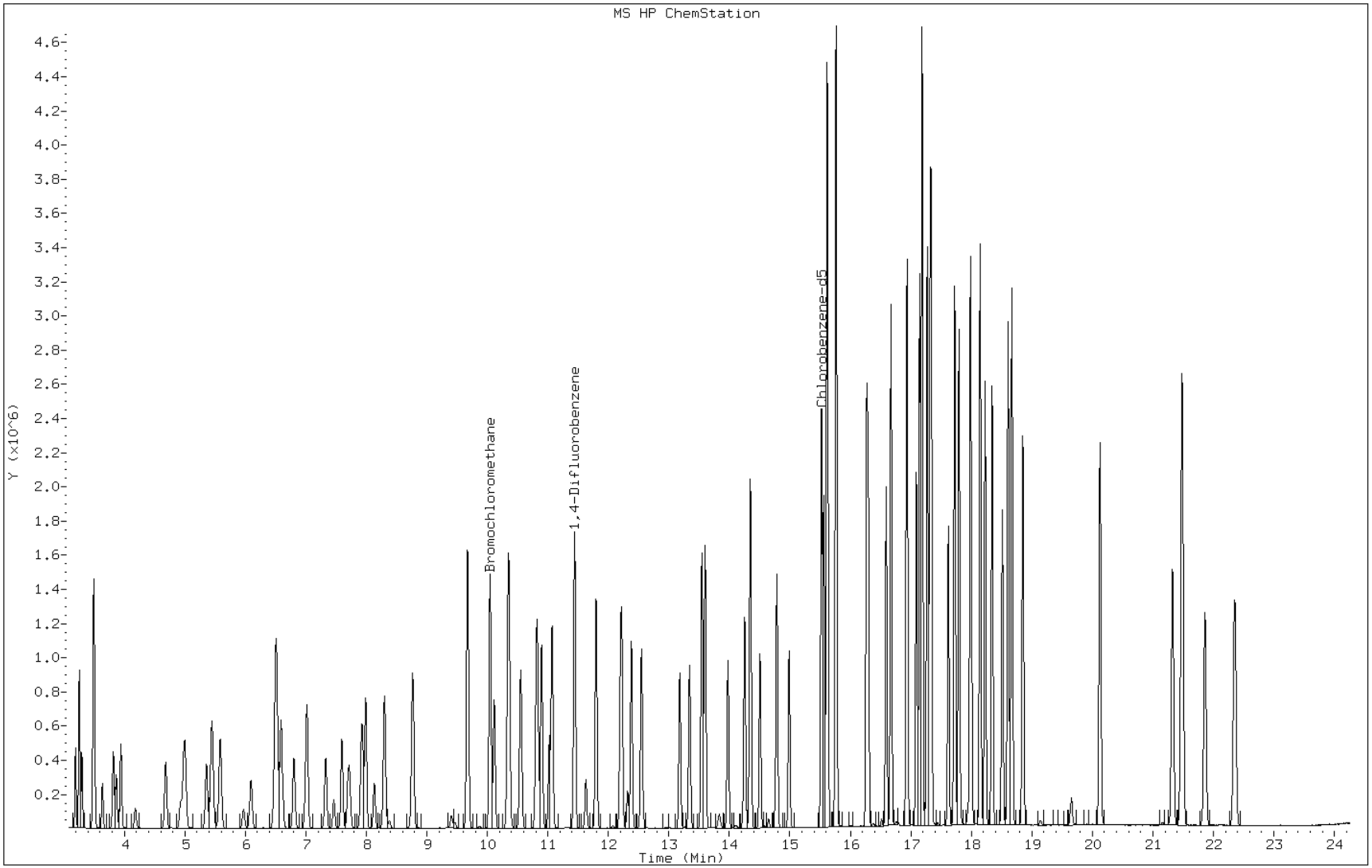
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	14.506	14.506	(0.935)	762519	9.69611	9.7
	63 Dibromochloromethane	129	14.784	14.784	(0.953)	1024285	9.69807	9.7
	64 1,2-Dibromoethane	107	14.986	14.986	(0.966)	864224	9.08135	9.1
*	65 Chlorobenzene-d5	117	15.520	15.525	(1.000)	1770049	10.0000	
	66 Chlorobenzene	112	15.563	15.563	(1.003)	1347104	9.10875	9.1
	67 n-Nonane	57	15.611	15.611	(1.006)	963276	9.34725	9.3
	68 Ethylbenzene	91	15.622	15.621	(1.007)	2180408	9.29625	9.3
	69 Xylene (m,p)	106	15.766	15.766	(1.016)	1742316	18.5153	19
M	70 Xylenes, Total	106				2570988	27.5424	28
	71 Xylene (o)	106	16.273	16.273	(1.048)	828672	9.02715	9.0
	72 Styrene	104	16.299	16.299	(1.050)	1252720	9.59791	9.6
	73 Bromoform	173	16.593	16.593	(1.069)	1110613	9.75358	9.8
	74 Isopropylbenzene	105	16.673	16.673	(1.074)	2454825	9.27065	9.3
	75 1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	1201161	8.83544	8.8
	76 n-Propylbenzene	91	17.148	17.148	(1.105)	2944470	9.42498	9.4
	77 1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	938269	9.61968	9.6
	78 n-Decane	57	17.185	17.191	(1.107)	1225086	9.67486	9.7
	79 4-Ethyltoluene	105	17.271	17.271	(1.113)	2576556	9.57174	9.6
	80 2-Chlorotoluene	91	17.319	17.319	(1.116)	2030060	9.35902	9.4
	81 1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	2039154	9.23587	9.2
	82 Alpha Methyl Styrene	118	17.618	17.623	(1.135)	659719	6.63969	6.6(R)
	83 tert-butylbenzene	119	17.724	17.724	(1.142)	2031709	9.41576	9.4
	84 1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	1980675	8.99928	9.0
	85 sec-Butylbenzene	105	17.986	17.991	(1.159)	3068945	9.26436	9.3
	86 4-Isopropyltoluene	119	18.146	18.146	(1.169)	2611715	9.49959	9.5
	87 1,3-Dichlorobenzene	146	18.226	18.231	(1.174)	1432267	9.25268	9.3
	88 1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	1414402	9.31889	9.3
	89 Benzyl chloride	91	18.669	18.514	(1.203)	2307437	12.7810	13
	90 Undecane	57	18.605	18.605	(1.199)	1319100	9.78655	9.8
	91 n-Butylbenzene	91	18.669	18.669	(1.203)	2307437	9.77409	9.8
	92 1,2-Dichlorobenzene	146	18.850	18.856	(1.215)	1324625	8.91216	8.9
	93 Dodecane	57	20.126	20.131	(1.297)	1169450	9.40331	9.4
	94 1,2,4-Trichlorobenzene	180	21.321	21.327	(1.374)	907525	9.26437	9.3
	95 1,3-Hexachlorobutadiene	225	21.481	21.487	(1.384)	1067144	8.68479	8.7
	96 Naphthalene	128	21.860	21.860	(1.409)	1876602	9.47040	9.5
	97 1,2,3-Trichlorobenzene	180	22.351	22.357	(1.440)	886056	10.5221	11

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: blb019.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 535140
Lab Sample ID: icv 535140

Date: 21-AUG-2013 23:56
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60183/3 Calibration Date: 08/22/2013 13:09

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blba003.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
Propylene	Ave	0.6771	0.5869		8.67	10.0	-13.3	30.0
Dichlorodifluoromethane	Ave	2.289	2.137		9.33	10.0	-6.7	30.0
Freon 22	Ave	1.345	1.191		8.85	10.0	-11.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.842	2.527		8.89	10.0	-11.1	30.0
Chloromethane	Ave	0.8287	0.7404		8.93	10.0	-10.6	30.0
n-Butane	Ave	1.411	1.236		8.76	10.0	-12.4	30.0
Vinyl chloride	Ave	1.135	0.9572		8.43	10.0	-15.6	30.0
1,3-Butadiene	Ave	0.7978	0.7017		8.79	10.0	-12.0	30.0
Bromomethane	Ave	1.049	0.9819		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.5508	0.5335		9.68	10.0	-3.1	30.0
Isopentane	Ave	1.135	0.9899		8.72	10.0	-12.8	30.0
Bromoethene(Vinyl Bromide)	Ave	1.099	1.037		9.43	10.0	-5.7	30.0
Trichlorofluoromethane	Ave	2.593	2.421		9.33	10.0	-6.6	30.0
n-Pentane	Ave	1.542	1.484		9.62	10.0	-3.8	30.0
Ethanol	Ave	0.3421	0.3627		15.9	15.0	6.0	30.0
Ethyl ether	Ave	0.7256	0.6975		9.61	10.0	-3.9	30.0
Freon TF	Ave	2.067	1.966		9.51	10.0	-4.9	30.0
Acrolein	Ave	0.3586	0.3722		10.4	10.0	3.8	30.0
1,1-Dichloroethene	Ave	0.997	0.9478		9.51	10.0	-4.9	30.0
Acetone	Ave	1.181	1.220		10.3	10.0	3.3	30.0
Isopropyl alcohol	Ave	0.996	1.054		10.6	10.0	5.8	30.0
Carbon disulfide	Ave	2.931	2.906		9.91	10.0	-0.9	30.0
3-Chloropropene	Ave	1.023	0.9749		9.53	10.0	-4.7	30.0
Acetonitrile	Ave	0.5554	0.6137		11.0	10.0	10.5	30.0
Methylene Chloride	Ave	0.9231	0.9209		9.97	10.0	-0.2	30.0
tert-Butyl alcohol	Ave	1.613	1.725		10.7	10.0	6.9	30.0
Methyl tert-butyl ether	Ave	2.892	2.735		9.46	10.0	-5.4	30.0
trans-1,2-Dichloroethene	Ave	1.448	1.361		9.40	10.0	-6.0	30.0
Acrylonitrile	Ave	0.6746	0.6755		10.0	10.0	0.1	30.0
n-Hexane	Ave	1.639	1.498		9.14	10.0	-8.6	30.0
1,1-Dichloroethane	Ave	1.882	1.699		9.03	10.0	-9.7	30.0
Vinyl acetate	Ave	2.080	2.158		10.4	10.0	3.8	30.0
cis-1,2-Dichloroethene	Ave	1.162	1.092		9.40	10.0	-6.0	30.0
Ethyl acetate	Ave	0.0988	0.0983		9.94	10.0	-0.6	30.0
Methyl Ethyl Ketone	Ave	0.5909	0.5320		9.00	10.0	-10.0	30.0
Tetrahydrofuran	Ave	0.1832	0.1904		10.4	10.0	3.9	30.0
Chloroform	Ave	2.096	1.953		9.32	10.0	-6.8	30.0
Cyclohexane	Ave	0.3281	0.3066		9.35	10.0	-6.5	30.0
1,1,1-Trichloroethane	Ave	0.4400	0.4107		9.33	10.0	-6.6	30.0
Carbon tetrachloride	Ave	0.4859	0.4329		8.91	10.0	-10.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60183/3 Calibration Date: 08/22/2013 13:09

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blba003.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
2,2,4-Trimethylpentane	Ave	1.025	0.9660		9.42	10.0	-5.7	30.0
Benzene	Ave	0.7230	0.6649		9.19	10.0	-8.0	30.0
1,2-Dichloroethane	Ave	0.2599	0.2415		9.29	10.0	-7.1	30.0
n-Heptane	Ave	0.3450	0.3152		9.13	10.0	-8.7	30.0
n-Butanol	Ave	0.1184	0.1236		10.4	10.0	4.4	30.0
Trichloroethene	Ave	0.3257	0.2890		8.87	10.0	-11.3	30.0
1,2-Dichloropropane	Ave	0.2506	0.2332		9.30	10.0	-7.0	30.0
Methyl methacrylate	Ave	0.2471	0.2453		9.93	10.0	-0.7	30.0
1,4-Dioxane	Ave	0.1040	0.1057		10.2	10.0	1.6	30.0
Dibromomethane	Ave	0.3143	0.2910		9.26	10.0	-7.4	30.0
Bromodichloromethane	Ave	0.4806	0.4506		9.37	10.0	-6.2	30.0
cis-1,3-Dichloropropene	Ave	0.3942	0.3697		9.38	10.0	-6.2	30.0
Methyl isobutyl ketone	Ave	0.4042	0.4051		10.0	10.0	0.2	30.0
n-Octane	Ave	0.4930	0.4441		9.01	10.0	-9.9	30.0
Toluene	Ave	0.6024	0.5606		9.30	10.0	-6.9	30.0
trans-1,3-Dichloropropene	Ave	0.4022	0.3758		9.34	10.0	-6.6	30.0
1,1,2-Trichloroethane	Ave	0.2891	0.2680		9.27	10.0	-7.3	30.0
Tetrachloroethene	Ave	0.5599	0.4998		8.92	10.0	-10.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.4443	0.4424		9.96	10.0	-0.4	30.0
Dibromochloromethane	Ave	0.5967	0.5592		9.37	10.0	-6.3	30.0
1,2-Dibromoethane	Ave	0.5376	0.5040		9.37	10.0	-6.3	30.0
Chlorobenzene	Ave	0.8355	0.7762		9.29	10.0	-7.1	30.0
n-Nonane	Ave	0.5822	0.5583		9.59	10.0	-4.1	30.0
Ethylbenzene	Ave	1.325	1.248		9.41	10.0	-5.8	30.0
m-Xylene & p-Xylene	Ave	0.5316	0.5041		19.0	20.0	-5.2	30.0
o-Xylene	Ave	0.5186	0.4861		9.37	10.0	-6.3	30.0
Styrene	Ave	0.7374	0.7881		10.7	10.0	6.9	30.0
Bromoform	Ave	0.6433	0.6105		9.49	10.0	-5.1	30.0
Cumene	Ave	1.496	1.399		9.35	10.0	-6.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7680	0.7150		9.31	10.0	-6.9	30.0
n-Propylbenzene	Ave	1.765	1.676		9.49	10.0	-5.0	30.0
1,2,3-Trichloropropane	Ave	0.5510	0.5372		9.75	10.0	-2.5	30.0
n-Decane	Ave	0.7154	0.7076		9.89	10.0	-1.1	30.0
4-Ethyltoluene	Ave	1.521	1.452		9.55	10.0	-4.5	30.0
2-Chlorotoluene	Ave	1.225	1.139		9.29	10.0	-7.1	30.0
1,3,5-Trimethylbenzene	Ave	1.247	1.191		9.55	10.0	-4.5	30.0
Alpha Methyl Styrene	Ave	0.4811	0.6264		11.2	10.0	30.2*	30.0
tert-Butylbenzene	Ave	1.219	1.148		9.41	10.0	-5.8	30.0
1,2,4-Trimethylbenzene	Ave	1.243	1.176		9.46	10.0	-5.4	30.0
sec-Butylbenzene	Ave	1.871	1.742		9.31	10.0	-6.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Lab Sample ID: CCVIS 200-60183/3 Calibration Date: 08/22/2013 13:09

Instrument ID: B.i Calib Start Date: 08/21/2013 10:53

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/21/2013 22:12

Lab File ID: blba003.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
4-Isopropyltoluene	Ave	1.553	1.494		9.62	10.0	-3.8	30.0
1,3-Dichlorobenzene	Ave	0.8745	0.8410		9.61	10.0	-3.8	30.0
1,4-Dichlorobenzene	Ave	0.8575	0.8297		9.67	10.0	-3.2	30.0
n-Undecane	Ave	0.7615	0.7681		10.1	10.0	0.9	30.0
Benzyl chloride	Ave	1.020	1.323		13.0	10.0	29.7	30.0
n-Butylbenzene	Ave	1.334	1.323		9.92	10.0	-0.8	30.0
1,2-Dichlorobenzene	Ave	0.8397	0.7991		9.51	10.0	-4.8	30.0
n-Dodecane	Ave	0.7026	0.6976		9.93	10.0	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.5534	0.5445		9.84	10.0	-1.6	30.0
Hexachlorobutadiene	Ave	0.6942	0.6433		9.26	10.0	-7.3	30.0
Naphthalene	Ave	1.119	1.136		10.1	10.0	1.5	30.0
1,2,3-Trichlorobenzene	Ave	0.4757	0.4983		10.5	10.0	4.7	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbato15.b/blba003.d
Lab Smp Id: ccvis 531966
Inj Date : 22-AUG-2013 13:09
Operator : pad Inst ID: B.i
Smp Info : ccvis 531966
Misc Info : 200,1 ccvis
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	3.192	3.197	(0.318)	229974	10.0000	8.7
2	Dichlorodifluoromethane	85	3.256	3.261	(0.324)	837199	10.0000	9.3
3	Chlorodifluoromethane	51	3.299	3.304	(0.328)	466568	10.0000	8.8
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	990197	10.0000	8.9
5	Chloromethane	50	3.635	3.640	(0.362)	290136	10.0000	8.9
6	Butane	43	3.822	3.822	(0.380)	484310	10.0000	8.8
7	Vinyl chloride	62	3.870	3.870	(0.385)	375086	10.0000	8.4
8	1,3-Butadiene	54	3.939	3.944	(0.392)	274937	10.0000	8.8
9	Bromomethane	94	4.681	4.686	(0.466)	384751	10.0000	9.4
10	Chloroethane	64	4.932	4.937	(0.491)	209035	10.0000	9.7
11	2-Methylbutane	43	4.990	4.996	(0.497)	387897	10.0000	8.7
12	Vinyl bromide	106	5.359	5.359	(0.533)	406156	10.0000	9.4
13	Trichlorofluoromethane	101	5.449	5.455	(0.543)	948751	10.0000	9.3
14	Pentane	43	5.583	5.588	(0.556)	581436	10.0000	9.6

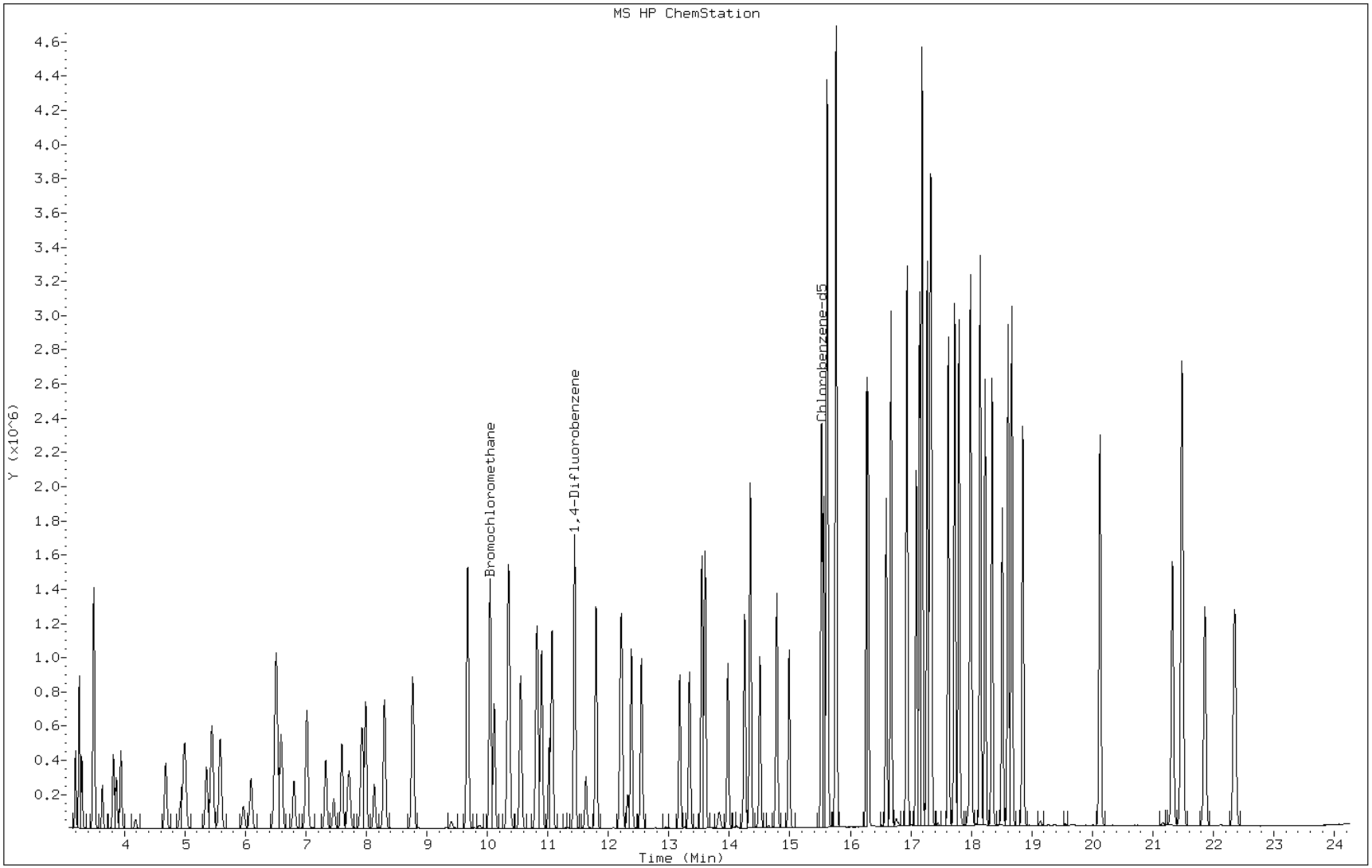
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	5.972	5.972	(0.595)	213298	15.0000	16
	16 Ethyl ether	59	6.095	6.095	(0.607)	273299	10.0000	9.6
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.511	6.511	(0.648)	770220	10.0000	9.5
	18 Acrolein	56	6.517	6.517	(0.649)	145847	10.0000	10
	19 1,1-Dichloroethene	96	6.591	6.597	(0.656)	371405	10.0000	9.5
	20 Acetone	43	6.800	6.805	(0.677)	477986	10.0000	10
	21 Carbon disulfide	76	7.024	7.024	(0.699)	1138604	10.0000	9.9
	22 Isopropanol	45	7.002	7.002	(0.697)	412999	10.0000	11
	23 Allyl chloride	41	7.328	7.328	(0.730)	382011	10.0000	9.5
	24 Acetonitrile	41	7.461	7.467	(0.743)	240485	10.0000	11
	25 Methylene chloride	49	7.595	7.600	(0.756)	360832	10.0000	10
	26 Tert-butyl alcohol	59	7.712	7.712	(0.768)	675763	10.0000	11
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	1071658	10.0000	9.5
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	533340	10.0000	9.4
	29 Acrylonitrile	53	8.134	8.134	(0.810)	264672	10.0000	10
	30 n-Hexane	57	8.299	8.299	(0.826)	586951	10.0000	9.1
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	665837	10.0000	9.0
	32 Vinyl acetate	43	8.774	8.774	(0.874)	845755	10.0000	10
M	33 1,2-Dichloroethene,Total	61				961320	20.0000	19
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	427980	10.0000	9.4
	35 Ethyl acetate	88	9.676	9.676	(0.963)	38515	10.0000	9.9
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	208454	10.0000	9.0
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	391918	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.878)	362584	10.0000	10
	39 Chloroform	83	10.114	10.114	(1.007)	765349	10.0000	9.3
	40 Cyclohexane	84	10.343	10.349	(0.904)	583864	10.0000	9.3
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	782044	10.0000	9.3
	42 Carbon tetrachloride	117	10.546	10.551	(0.922)	824229	10.0000	8.9
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	1839340	10.0000	9.4
	44 Benzene	78	10.898	10.898	(0.952)	1266088	10.0000	9.2
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	459829	10.0000	9.3
	46 n-Heptane	43	11.064	11.069	(0.967)	600087	10.0000	9.1
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1904476	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	235432	10.0000	10
	49 Trichloroethene	95	11.795	11.800	(1.031)	550218	10.0000	8.9
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	443933	10.0000	9.3
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	467151	10.0000	9.9
	52 Dibromomethane	174	12.382	12.382	(1.082)	554090	10.0000	9.3
	53 1,4-Dioxane	88	12.318	12.323	(1.076)	201250	10.0000	10
	54 Bromodichloromethane	83	12.547	12.553	(1.097)	857915	10.0000	9.4
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	703913	10.0000	9.4
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	771308	10.0000	10
	57 n-Octane	43	13.546	13.551	(1.184)	845518	10.0000	9.0
	58 Toluene	92	13.599	13.604	(0.876)	956205	10.0000	9.3
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	715562	10.0000	9.3
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	457201	10.0000	9.3
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	852471	10.0000	8.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	14.506	14.506	(0.935)	754645	10.0000	10
63	Dibromochloromethane	129	14.784	14.784	(0.953)	953789	10.0000	9.4
64	1,2-Dibromoethane	107	14.986	14.986	(0.966)	859631	10.0000	9.4
* 65	Chlorobenzene-d5	117	15.520	15.525	(1.000)	1706078	10.0000	
66	Chlorobenzene	112	15.563	15.563	(1.003)	1323986	10.0000	9.3
67	n-Nonane	57	15.611	15.611	(1.006)	952298	10.0000	9.6
68	Ethylbenzene	91	15.622	15.621	(1.007)	2128138	10.0000	9.4
69	Xylene (m,p)	106	15.766	15.766	(1.016)	1719797	20.0000	19
M 70	Xylenes, Total	106				2549004	10.0000	28
71	Xylene (o)	106	16.273	16.273	(1.048)	829207	10.0000	9.4
72	Styrene	104	16.299	16.299	(1.050)	1344336	10.0000	11
73	Bromoform	173	16.593	16.593	(1.069)	1041417	10.0000	9.5
74	Isopropylbenzene	105	16.673	16.673	(1.074)	2386799	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	1219636	10.0000	9.3
76	n-Propylbenzene	91	17.143	17.148	(1.105)	2858627	10.0000	9.5
77	1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	916381	10.0000	9.7
78	n-Decane	57	17.185	17.191	(1.107)	1206936	10.0000	9.9
79	4-Ethyltoluene	105	17.271	17.271	(1.113)	2476577	10.0000	9.5
80	2-Chlorotoluene	91	17.319	17.319	(1.116)	1942335	10.0000	9.3
81	1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	2031918	10.0000	9.5
82	Alpha Methyl Styrene	118	17.618	17.623	(1.135)	1068435	10.0000	11
83	tert-butylbenzene	119	17.724	17.724	(1.142)	1957794	10.0000	9.4
84	1,2,4-Trimethylbenzene	105	17.794	17.799	(1.146)	2006667	10.0000	9.5
85	sec-Butylbenzene	105	17.986	17.991	(1.159)	2971346	10.0000	9.3
86	4-Isopropyltoluene	119	18.146	18.146	(1.169)	2548455	10.0000	9.6
87	1,3-Dichlorobenzene	146	18.226	18.231	(1.174)	1434477	10.0000	9.6
88	1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	1415171	10.0000	9.7
89	Benzyl chloride	91	18.669	18.514	(1.203)	2256930	10.0000	13(Q)
90	Undecane	57	18.605	18.605	(1.199)	1310183	10.0000	10
91	n-Butylbenzene	91	18.669	18.669	(1.203)	2256930	10.0000	9.9
92	1,2-Dichlorobenzene	146	18.850	18.856	(1.215)	1362995	10.0000	9.5
93	Dodecane	57	20.126	20.131	(1.297)	1189872	10.0000	9.9
94	1,2,4-Trichlorobenzene	180	21.321	21.327	(1.374)	928792	10.0000	9.8
95	1,3-Hexachlorobutadiene	225	21.481	21.487	(1.384)	1097269	10.0000	9.3
96	Naphthalene	128	21.860	21.860	(1.409)	1938057	10.0000	10
97	1,2,3-Trichlorobenzene	180	22.351	22.357	(1.440)	849977	10.0000	10

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	blba003.d	Date:	22-AUG-2013 13:09
Client ID:		Instrument:	B.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 531966		
Lab Sample ID:	ccvis 531966		



TestAmerica Burlington

Data file : /chem/B.i/Bsvr.p/blbto15.b/blb001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 21-AUG-2013 08:15
Operator : wrd Inst ID: B.i
Smp Info : BFB
Misc Info : BFB
Comment :
Method : /chem/B.i/Bsvr.p/blbto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 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

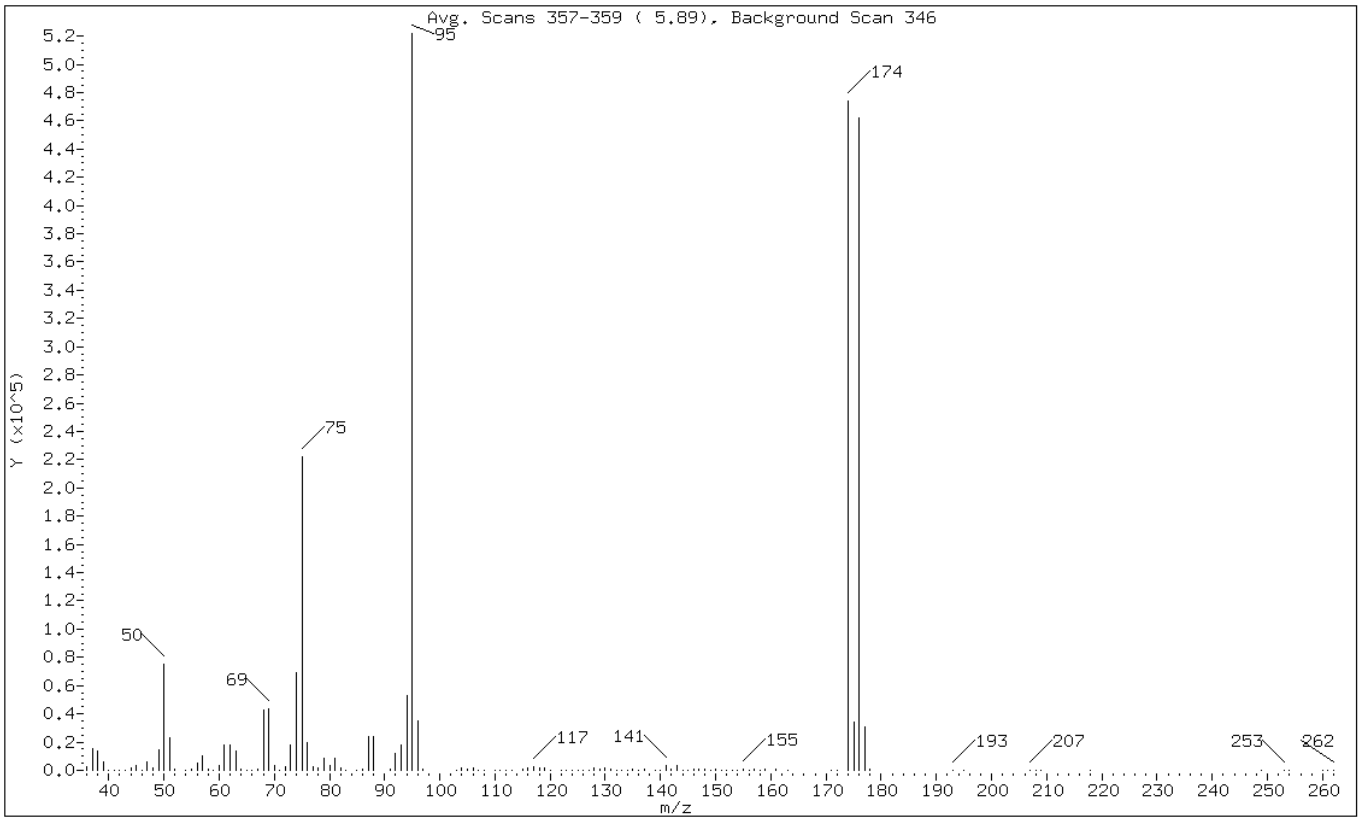
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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	
5.890	5.670	0.220	95	521792			100.00- 100.00	100.00
5.890	5.670	0.220	50	75085			8.00- 40.00	14.39
5.890	5.670	0.220	75	222089			30.00- 66.00	42.56
5.890	5.670	0.220	96	34991			5.00- 9.00	6.71
5.890	5.670	0.220	173	0			0.00- 2.00	0.00
5.890	5.670	0.220	174	473813			50.00- 120.00	90.80
5.890	5.670	0.220	175	34330			4.00- 9.00	7.25
5.890	5.670	0.220	176	462336			93.00- 101.00	97.58
5.890	5.670	0.220	177	30541			5.00- 9.00	6.61

Data File: blb001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 21-AUG-2013 08:15
Instrument: B.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	14.39
75	30.00 - 66.00% of mass 95	42.56
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	90.80
175	4.00 - 9.00% of mass 174	6.58 (7.25)
176	93.00 - 101.00% of mass 174	88.61 (97.58)
177	5.00 - 9.00% of mass 176	5.85 (6.61)

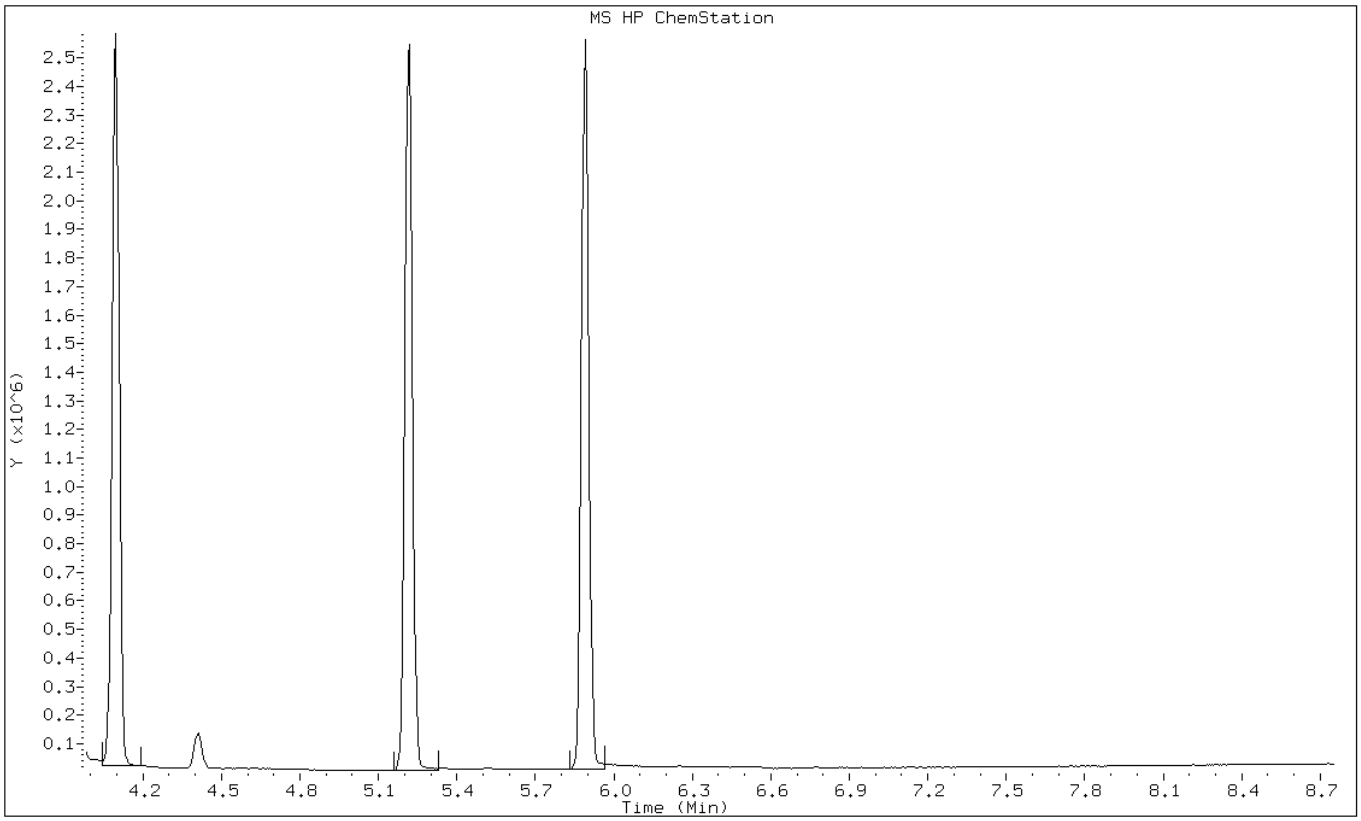
Data File: blb001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 21-AUG-2013 08:15
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/blbto15.b/blb001.d
Spectrum: Avg. Scans 357-359 (5.89), Background Scan 346
Location of Maximum: 95.00
Number of points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2594	71.00	173	115.00	437	151.00	41
37.00	15339	72.00	2237	116.00	1408	152.00	220
38.00	13808	73.00	17960	117.00	2316	153.00	397
39.00	5778	74.00	69352	118.00	1482	154.00	338
40.00	28	75.00	222080	119.00	2035	155.00	1158
41.00	58	76.00	19312	120.00	86	156.00	188
42.00	16	77.00	2898	122.00	48	157.00	905
43.00	128	78.00	1938	123.00	155	158.00	164
44.00	1524	79.00	8123	124.00	241	159.00	482
45.00	3011	80.00	3249	125.00	126	161.00	508
46.00	204	81.00	8278	126.00	215	163.00	80
47.00	5933	82.00	2079	127.00	253	171.00	96
48.00	1952	83.00	337	128.00	1561	172.00	200
49.00	14687	85.00	43	129.00	783	174.00	473792
50.00	75080	86.00	505	130.00	1559	175.00	34328
51.00	23320	87.00	24168	131.00	680	176.00	462336
52.00	1041	88.00	23520	132.00	45	177.00	30536
54.00	46	91.00	1212	133.00	4	178.00	871
55.00	862	92.00	11837	134.00	84	193.00	59
56.00	5364	93.00	18176	135.00	712	195.00	49
57.00	9928	94.00	52808	136.00	171	207.00	155
58.00	495	95.00	521792	137.00	666	208.00	115
59.00	145	96.00	34984	139.00	207	209.00	7
60.00	3244	97.00	1099	140.00	258	218.00	34
61.00	17800	103.00	283	141.00	3800	249.00	33
62.00	17552	104.00	1643	142.00	480	253.00	136
63.00	13423	105.00	616	143.00	3768	254.00	16
64.00	1145	106.00	1580	144.00	226	260.00	53
65.00	209	107.00	396	145.00	299	261.00	82
66.00	71	108.00	44	146.00	696	262.00	37
67.00	1175	110.00	212	147.00	521		
68.00	42904	111.00	301	148.00	1131		
69.00	43472	112.00	254	149.00	349		
70.00	3088	113.00	312	150.00	430		

Data File:	blb001.d	Date:	21-AUG-2013 08:15
Client ID:	BFB	Instrument:	B.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/B.i/Bsvr.p/blbato15.b/blba001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 22-AUG-2013 11:15
Operator : pad Inst ID: B.i
Smp Info : BFB
Misc Info : BFB
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 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

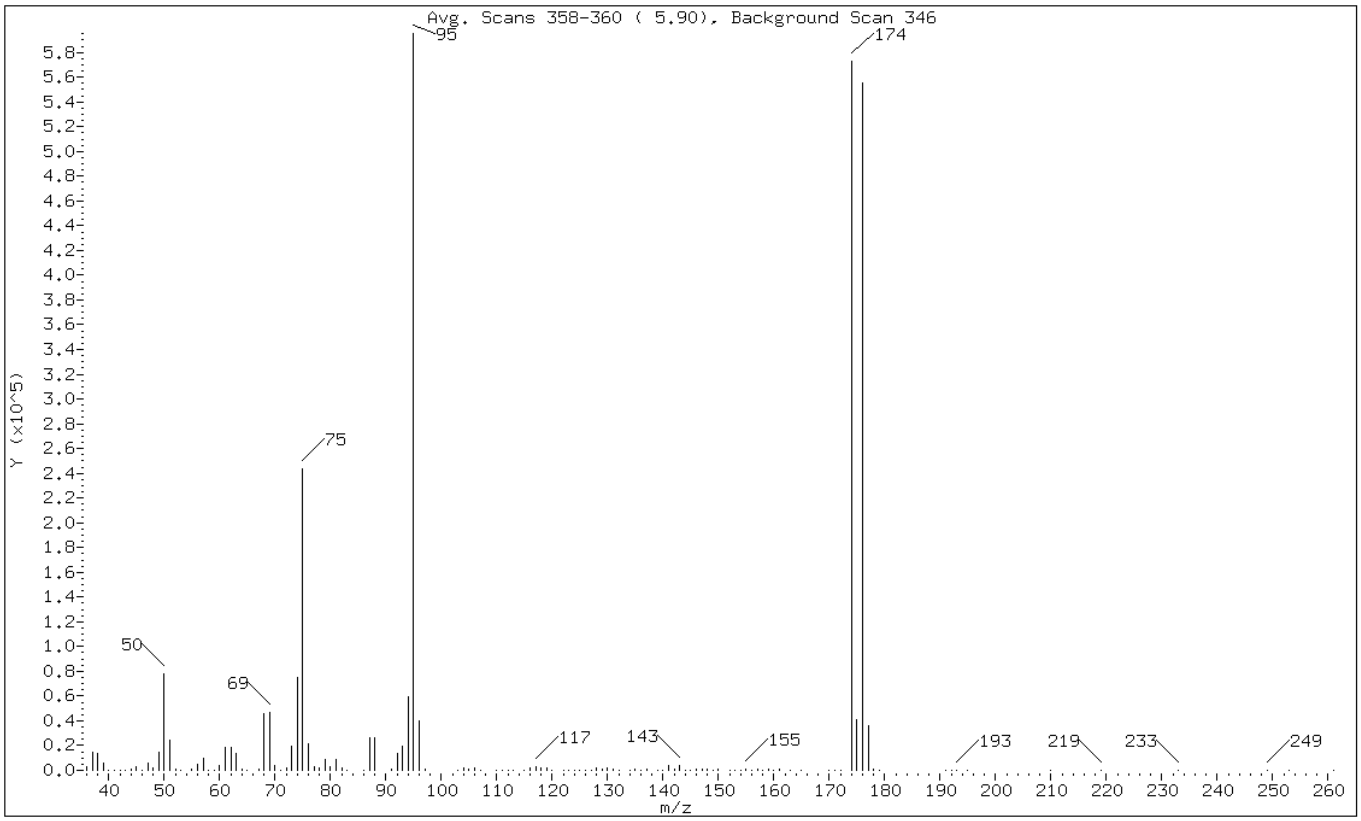
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.896	5.670	0.226	95	595264			100.00- 100.00	100.00
5.896	5.670	0.226	50	78258			8.00- 40.00	13.15
5.896	5.670	0.226	75	243258			30.00- 66.00	40.87
5.896	5.670	0.226	96	39632			5.00- 9.00	6.66
5.896	5.670	0.226	173	0			0.00- 2.00	0.00
5.896	5.670	0.226	174	572608			50.00- 120.00	96.19
5.896	5.670	0.226	175	40858			4.00- 9.00	7.14
5.896	5.670	0.226	176	554944			93.00- 101.00	96.92
5.896	5.670	0.226	177	36391			5.00- 9.00	6.56

Data File: blba001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 22-AUG-2013 11:15
Instrument: B.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	13.15
75	30.00 - 66.00% of mass 95	40.87
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	96.19
175	4.00 - 9.00% of mass 174	6.86 (7.14)
176	93.00 - 101.00% of mass 174	93.23 (96.92)
177	5.00 - 9.00% of mass 176	6.11 (6.56)

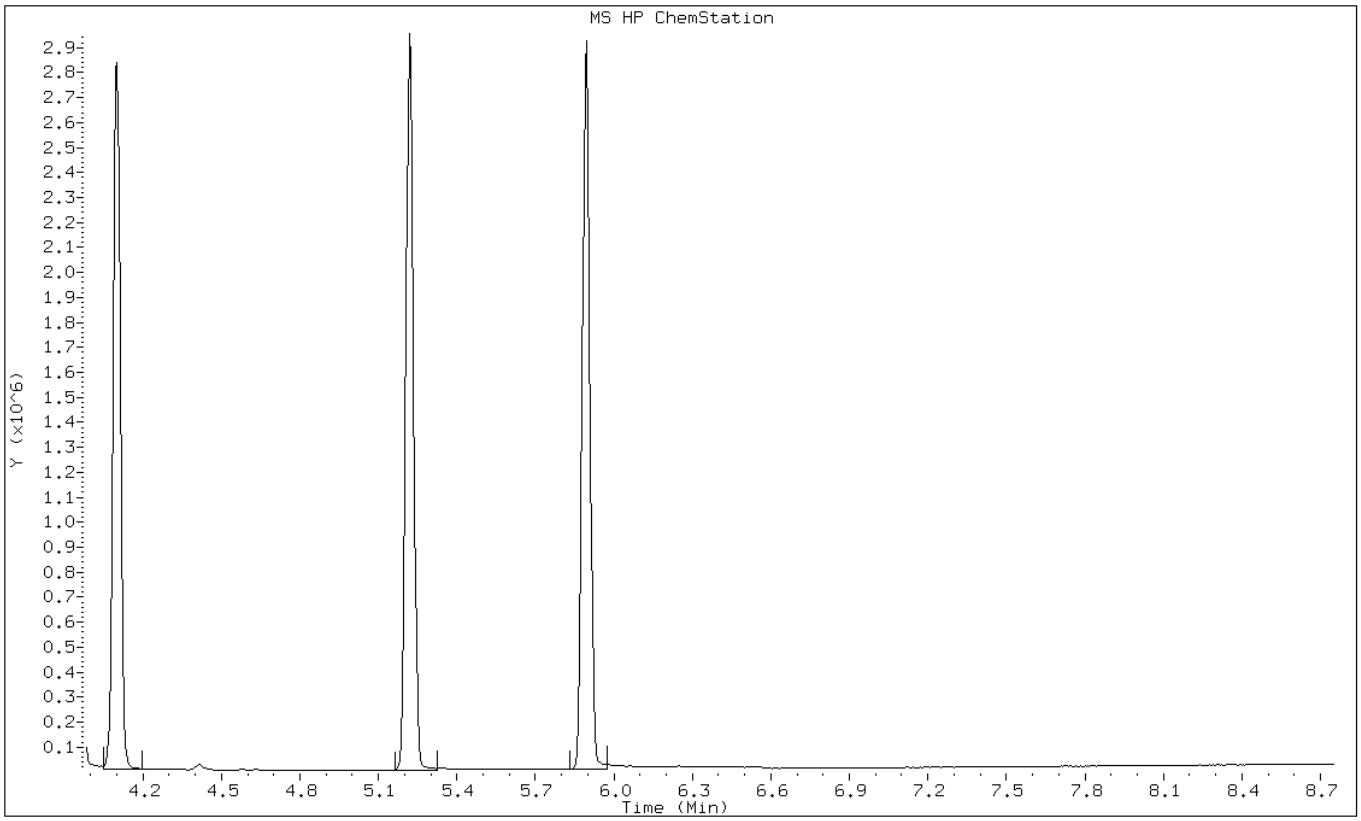
Data File: blba001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 22-AUG-2013 11:15
Instrument: B.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/B.i/Bsvr.p/blbato15.b/blba001.d
Spectrum: Avg. Scans 358-360 (5.90), Background Scan 346
Location of Maximum: 95.00
Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2696	71.00	52	116.00	1487	153.00	422
37.00	15066	72.00	2203	117.00	2475	154.00	399
38.00	13769	73.00	19216	118.00	1585	155.00	1414
39.00	5473	74.00	74856	119.00	2077	156.00	227
40.00	250	75.00	243200	120.00	82	157.00	1011
41.00	30	76.00	21152	122.00	141	158.00	80
42.00	91	77.00	3110	123.00	147	159.00	606
43.00	185	78.00	2196	124.00	294	160.00	40
44.00	1422	79.00	8313	125.00	202	161.00	613
45.00	3320	80.00	3113	126.00	212	163.00	38
46.00	139	81.00	8814	127.00	217	165.00	72
47.00	6168	82.00	2284	128.00	1738	170.00	80
48.00	2237	83.00	268	129.00	793	171.00	155
49.00	15047	86.00	235	130.00	1869	172.00	281
50.00	78256	87.00	26536	131.00	757	174.00	572608
51.00	24320	88.00	26312	132.00	123	175.00	40856
52.00	992	91.00	1262	134.00	158	176.00	554944
53.00	77	92.00	13378	135.00	783	177.00	36384
55.00	834	93.00	19752	136.00	177	178.00	998
56.00	5347	94.00	59360	137.00	721	179.00	110
57.00	10196	95.00	595264	139.00	214	191.00	4
58.00	433	96.00	39632	140.00	256	192.00	36
59.00	55	97.00	1142	141.00	3946	193.00	63
60.00	3704	103.00	89	142.00	505	195.00	46
61.00	18432	104.00	1646	143.00	4114	210.00	43
62.00	18672	105.00	680	144.00	285	219.00	118
63.00	13811	106.00	1696	145.00	414	233.00	36
64.00	1326	107.00	462	146.00	805	249.00	83
65.00	112	110.00	180	147.00	520	253.00	46
67.00	1280	111.00	306	148.00	1232	261.00	47
68.00	45856	112.00	233	149.00	390		
69.00	46432	113.00	265	150.00	536		
70.00	3460	115.00	473	152.00	280		

Data File:	blba001.d	Date:	22-AUG-2013 11:15
Client ID:	BFB	Instrument:	B.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.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: MB 200-60183/5

Matrix: Air Lab File ID: blba005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2013 14:54

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.20	U	0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.040	U	0.040	0.015
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.50	U	0.50	0.022
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.20	U	0.20	0.016
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: MB 200-60183/5

Matrix: Air Lab File ID: blba005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2013 14:54

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.: 60183 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	0.75	U	0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.27	U	0.27	0.10
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	2.2	U	2.2	0.096
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.069
1330-20-7	Xylenes, Total	106.17	0.87	U	0.87	0.069
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbato15.b/blba005.d
Lab Smp Id: mb
Inj Date : 22-AUG-2013 14:54
Operator : pad Inst ID: B.i
Smp Info : mb
Misc Info : 200,1 mb
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

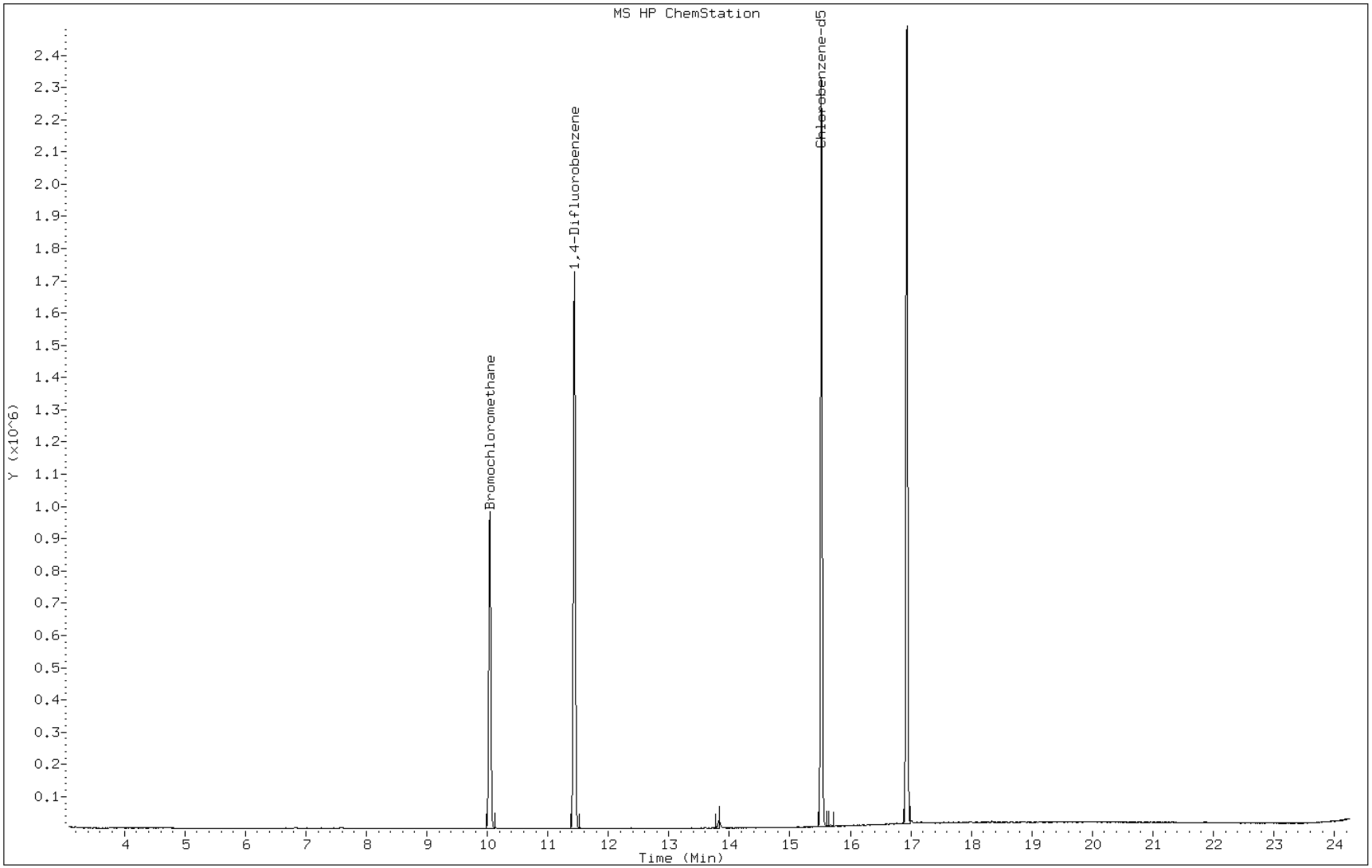
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not 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.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	7.600	7.600	(0.757)	2307	0.06235	0.062(a)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.039	10.044	(1.000)	400825	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	11.443	11.448	(1.000)	1981076	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.520	15.525	(1.000)	1688187	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	blba005.d	Date:	22-AUG-2013 14:54
Client ID:		Instrument:	B.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.: 200-17995-1

SDG No.: 200-17995

Client Sample ID: Lab Sample ID: LCS 200-60183/4

Matrix: Air Lab File ID: blba004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2013 14:01

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.: 60183 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	8.61		0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	10.5		0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	9.49		0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	9.87		0.20	0.084
71-43-2	Benzene	78.11	9.31		0.20	0.018
79-01-6	Trichloroethene	131.39	9.00		0.040	0.0092
108-88-3	Toluene	92.14	9.29		0.20	0.014
127-18-4	Tetrachloroethene	165.83	8.90		0.040	0.015
100-41-4	Ethylbenzene	106.17	9.41		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	18.6		0.50	0.022
95-47-6	o-Xylene	106.17	9.17		0.20	0.016
1330-20-7	Xylenes, Total	106.17	27.8		0.20	0.016
108-90-7	Chlorobenzene	112.56	9.21		0.20	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/B.i/Bsvr.p/blbato15.b/blba004.d
Lab Smp Id: lcs 533438
Inj Date : 22-AUG-2013 14:01
Operator : pad Inst ID: B.i
Smp Info : lcs 533438
Misc Info : 200,1 lcs
Comment :
Method : /chem/B.i/Bsvr.p/blbato15.b/to15v5.m
Meth Date : 23-Aug-2013 14:07 wrd Quant Type: ISTD
Cal Date : 21-AUG-2013 22:12 Cal File: blb017.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

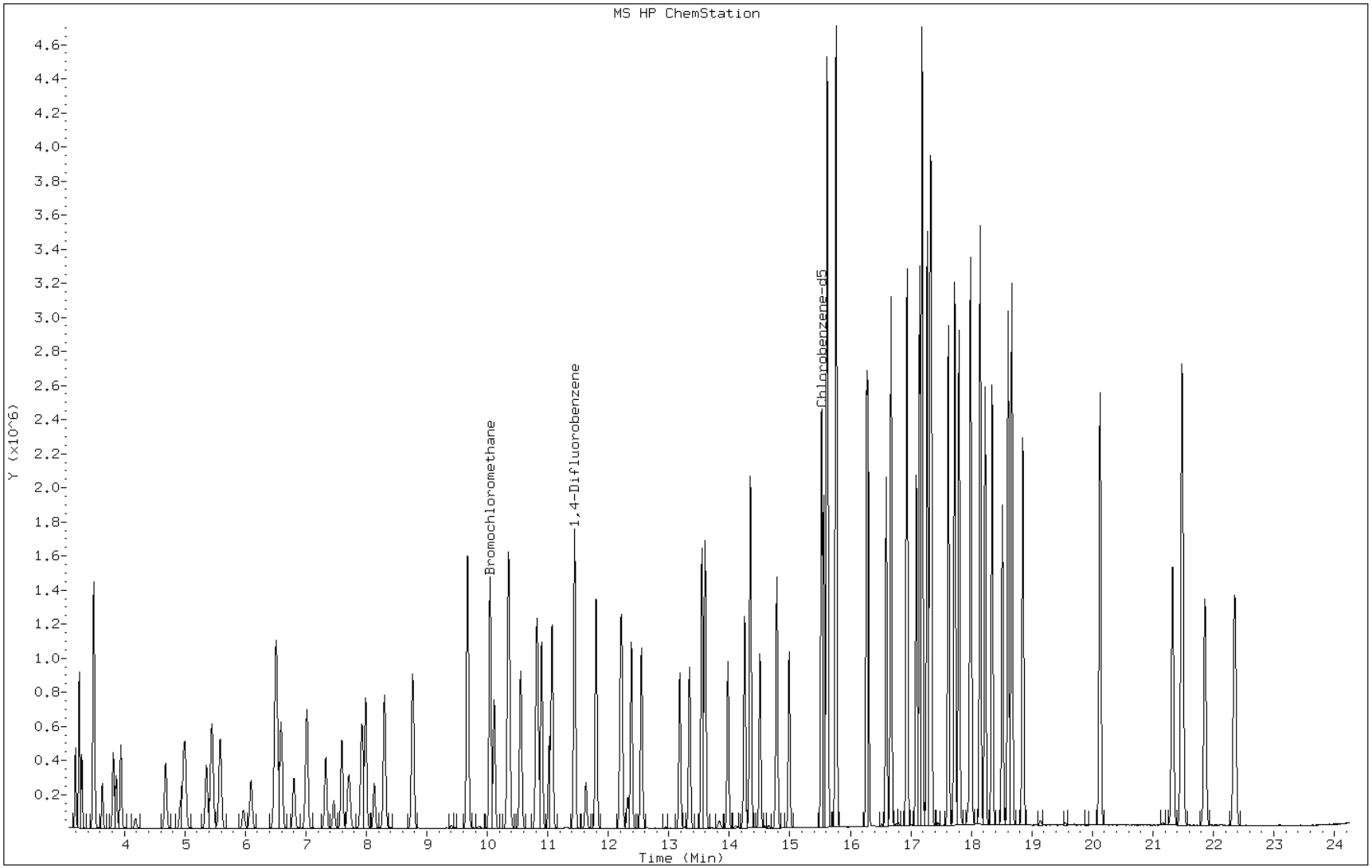
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	3.192	3.197	(0.318)	230413	8.51415	8.5
2	Dichlorodifluoromethane	85	3.256	3.261	(0.324)	856215	9.35827	9.4
3	Chlorodifluoromethane	51	3.299	3.304	(0.328)	479769	8.92330	8.9
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.491	3.496	(0.348)	1016883	8.95335	9.0
5	Chloromethane	50	3.635	3.640	(0.362)	300213	9.06474	9.1
6	Butane	43	3.816	3.822	(0.380)	494667	8.77202	8.8
7	Vinyl chloride	62	3.870	3.870	(0.385)	390465	8.60922	8.6
8	1,3-Butadiene	54	3.939	3.944	(0.392)	293087	9.19227	9.2
9	Bromomethane	94	4.681	4.686	(0.466)	385526	9.19329	9.2
10	Chloroethane	64	4.932	4.937	(0.491)	212827	9.66802	9.7
11	2-Methylbutane	43	4.996	4.996	(0.497)	396287	8.73441	8.7
12	Vinyl bromide	106	5.359	5.359	(0.533)	422988	9.62648	9.6
13	Trichlorofluoromethane	101	5.449	5.455	(0.543)	972455	9.38200	9.4
14	Pentane	43	5.583	5.588	(0.556)	581616	9.43529	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	15 Ethanol	45	5.967	5.972	(0.594)	178235	13.0366	13
	16 Ethyl ether	59	6.090	6.095	(0.606)	265911	9.16913	9.2
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.506	6.511	(0.648)	857532	10.3820	10
	18 Acrolein	56	6.511	6.517	(0.648)	120017	8.37466	8.4
	19 1,1-Dichloroethene	96	6.591	6.597	(0.656)	417725	10.4851	10
	20 Acetone	43	6.800	6.805	(0.677)	511812	10.8405	11
	21 Carbon disulfide	76	7.024	7.024	(0.699)	1176921	10.0467	10
	22 Isopropanol	45	6.997	7.002	(0.697)	399889	10.0423	10
	23 Allyl chloride	41	7.328	7.328	(0.730)	387568	9.48215	9.5
	24 Acetonitrile	41	7.461	7.467	(0.743)	224900	10.1322	10
	25 Methylene chloride	49	7.595	7.600	(0.756)	379794	10.2940	10
	26 Tert-butyl alcohol	59	7.707	7.712	(0.767)	638931	9.91313	9.9
	27 Methyl tert-butyl ether	73	7.926	7.931	(0.789)	1118562	9.67748	9.7
	28 1,2-Dichloroethene (trans)	61	7.990	7.990	(0.795)	549185	9.48944	9.5
	29 Acrylonitrile	53	8.134	8.134	(0.810)	274770	10.1909	10
	30 n-Hexane	57	8.299	8.299	(0.826)	610090	9.31325	9.3
	31 1,1-Dichloroethane	63	8.764	8.764	(0.872)	690624	9.18355	9.2
	32 Vinyl acetate	43	8.769	8.774	(0.873)	850246	10.2282	10
M	33 1,2-Dichloroethene,Total	61				1007322	19.3572	19
	34 1,2-Dichloroethene (cis)	96	9.671	9.671	(0.963)	458137	9.86778	9.9
	35 Ethyl acetate	88	9.676	9.676	(0.963)	40293	10.1993	10
	36 Methyl Ethyl Ketone	72	9.682	9.687	(0.964)	220322	9.32913	9.3
*	37 Bromochloromethane	128	10.044	10.044	(1.000)	399669	10.0000	
	38 Tetrahydrofuran	42	10.044	10.044	(0.878)	369211	10.3258	10
	39 Chloroform	83	10.114	10.114	(1.007)	800913	9.56044	9.6
	40 Cyclohexane	84	10.349	10.349	(0.904)	611844	9.55745	9.6
	41 1,1,1-Trichloroethane	97	10.359	10.365	(0.905)	813884	9.47960	9.5
	42 Carbon tetrachloride	117	10.551	10.551	(0.922)	853348	8.99878	9.0
	43 2,2,4-Trimethylpentane	57	10.824	10.824	(0.946)	1916924	9.58431	9.6
	44 Benzene	78	10.898	10.898	(0.952)	1313169	9.30711	9.3
	45 1,2-Dichloroethane	62	11.021	11.021	(0.963)	471942	9.30567	9.3
	46 n-Heptane	43	11.069	11.069	(0.967)	618833	9.19038	9.2
*	47 1,4-Difluorobenzene	114	11.443	11.448	(1.000)	1951453	10.0000	
	48 n-Butanol	56	11.630	11.629	(1.016)	213159	9.22237	9.2
	49 Trichloroethene	95	11.795	11.800	(1.031)	571827	8.99647	9.0
	50 1,2-Dichloropropane	63	12.201	12.200	(1.066)	448256	9.16670	9.2
	51 Methyl methacrylate	69	12.222	12.222	(1.068)	476696	9.88584	9.9
	52 Dibromomethane	174	12.382	12.382	(1.082)	583898	9.52078	9.5
	53 1,4-Dioxane	88	12.318	12.323	(1.076)	191196	9.42194	9.4
	54 Bromodichloromethane	83	12.547	12.553	(1.097)	913379	9.73958	9.7
	55 1,3-Dichloropropene (cis)	75	13.177	13.177	(1.152)	713246	9.27262	9.3
	56 Methyl isobutyl ketone	43	13.343	13.343	(1.166)	788708	9.99939	10
	57 n-Octane	43	13.546	13.551	(1.184)	868844	9.03184	9.0
	58 Toluene	92	13.599	13.604	(0.876)	986985	9.29376	9.3
	59 1,3-Dichloropropene (trans)	75	13.978	13.978	(1.222)	721950	9.19925	9.2
	60 1,1,2-Trichloroethane	83	14.250	14.250	(0.918)	449066	8.81197	8.8
	61 Tetrachloroethene	166	14.346	14.346	(0.924)	878380	8.89920	8.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	14.506	14.506	(0.934)	758560	9.68463	9.7
	63 Dibromochloromethane	129	14.784	14.784	(0.952)	1024546	9.73962	9.7
	64 1,2-Dibromoethane	107	14.986	14.986	(0.965)	868411	9.16211	9.2
*	65 Chlorobenzene-d5	117	15.525	15.525	(1.000)	1762946	10.0000	
	66 Chlorobenzene	112	15.563	15.563	(1.002)	1356013	9.20593	9.2
	67 n-Nonane	57	15.611	15.611	(1.006)	971156	9.46168	9.5
	68 Ethylbenzene	91	15.622	15.621	(1.006)	2197178	9.40549	9.4
	69 Xylene (m,p)	106	15.766	15.766	(1.015)	1742696	18.5939	19
M	70 Xylenes, Total	106				2580677	27.7593	28
	71 Xylene (o)	106	16.273	16.273	(1.048)	837981	9.16534	9.2
	72 Styrene	104	16.299	16.299	(1.050)	1362100	10.4780	10
	73 Bromoform	173	16.593	16.593	(1.069)	1115715	9.83786	9.8
	74 Isopropylbenzene	105	16.673	16.673	(1.074)	2488979	9.43750	9.4
	75 1,1,2,2-Tetrachloroethane	83	17.089	17.089	(1.101)	1208598	8.92596	8.9
	76 n-Propylbenzene	91	17.148	17.148	(1.105)	2977635	9.56954	9.6
	77 1,2,3-Trichloropropane	75	17.180	17.180	(1.107)	944083	9.71829	9.7
	78 n-Decane	57	17.185	17.191	(1.107)	1235409	9.79570	9.8
	79 4-Ethyltoluene	105	17.271	17.271	(1.112)	2621649	9.77850	9.8
	80 2-Chlorotoluene	91	17.319	17.319	(1.115)	2084539	9.64890	9.6
	81 1,3,5-Trimethylbenzene	105	17.340	17.340	(1.117)	2078334	9.45125	9.5
	82 Alpha Methyl Styrene	118	17.618	17.623	(1.135)	1107367	11.1899	11
	83 tert-butylbenzene	119	17.724	17.724	(1.142)	2063723	9.60266	9.6
	84 1,2,4-Trimethylbenzene	105	17.799	17.799	(1.146)	2018694	9.20897	9.2
	85 sec-Butylbenzene	105	17.991	17.991	(1.159)	3108016	9.42010	9.4
	86 4-Isopropyltoluene	119	18.146	18.146	(1.169)	2664423	9.73035	9.7
	87 1,3-Dichlorobenzene	146	18.226	18.231	(1.174)	1437590	9.32449	9.3
	88 1,4-Dichlorobenzene	146	18.343	18.343	(1.182)	1414014	9.35387	9.4
	89 Benzyl chloride	91	18.514	18.514	(1.192)	1758969	9.78228	9.8
	90 Undecane	57	18.605	18.605	(1.198)	1351851	10.0699	10
	91 n-Butylbenzene	91	18.669	18.669	(1.202)	2353195	10.0081	10
	92 1,2-Dichlorobenzene	146	18.850	18.856	(1.214)	1331166	8.99225	9.0
	93 Dodecane	57	20.131	20.131	(1.297)	1327514	10.7173	11
	94 1,2,4-Trichlorobenzene	180	21.327	21.327	(1.374)	918612	9.41533	9.4
	95 1,3-Hexachlorobutadiene	225	21.481	21.487	(1.384)	1085560	8.87026	8.9
	96 Naphthalene	128	21.860	21.860	(1.408)	2008433	10.1765	10
	97 1,2,3-Trichlorobenzene	180	22.351	22.357	(1.440)	910261	10.8531	11

Data File: blba004.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 533438
Lab Sample ID: lcs 533438

Date: 22-AUG-2013 14:01
Instrument: B.i
Inj Vol: 200.0
Diameter: 0.32



GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: BLB	Start Date: 8/21/13 Time: 0815	ISTD Container ID: 248060	Instrument ID: B
Test Method: TO15	End Date: 8/22/13 Time: 0815	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 8/21/13		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.*

RYAN HAMRICK Paul Daigle PAD

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
0815	BLB 01	N/A	BFB	N/A			PAD	N/A	✓	PAD	
0909	02	4634	VIBLK		1	200		✓	✓		
1002	03	4634	"		1	200		✓	✓		
1053	04	5459	IC-08		2	40		N/A	✓		534112
1146	05	"	-01		2	200			✓		"
1238	06	5464	-02		3				✓		535109
1331	07	2640	" -03		4				✓		531972
1423	08	3327	—		5				↓		R
1515	09	3155	IC-05		6				✓		531964
1607	10	3197	—		5				↓		R
1659	11	2874	IC-06		7				✓		531963
1752	12	3413	" -07		8				✓		531949
1844	13	4634	VIBLK		1			✓	✓		
1936	14	"	"		1			✓	✓		
2028	15	"	"		1			✓	✓		
2120	16	5448	545304		9			N/A	↑		R
2212	17	3558	ICIS-04		10			"	✓		531966
2304	18	4634	VIBLK		1			✓	✓		
2356	19	5443	ICV		11			✓	✓		535140 Acet
0048	20	4634	VIBLK		1			✓	✓		
0140	21	5443	LCS		11			✓	✓		535140
0233	22	4634	VIBLK	"	1	"	"	✓	✓	"	

PAD 8/22/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

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60183

GC/MS Air Instrument Run Log

Sequence			Standard Traceability		Instrument Information
Target Batch ID: BLBA	Start Date: 8/22/13	Time: 1115	ISTD Container ID:	248060	Instrument ID: B
Test Method: TO15	End Date: 8/23/13	Time: 1115	CCV Container ID:	531966	Instrument: 5973
ICAL Date:			ICV/LCS Container ID:	533438	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
1115	BLBA CG1		BFB	NA	NA	NA	WND	NA	NA	WND	
1206	02	3557	CCV1S		1	200		NA	NA		not used
1309	03	3558	CCV1		1			NA	✓		
1401	04	3643	LCS		2			✓	✓		
1454	05	4632	MD		3			✓	✓		
1546	06	4297	18027-1	1	4	200		✓	✓		C
1638	07	2535	-2		5			✓	✓		C
1730	08	3316	-3		6			✓	✓		C
1822	09	2512	-4		7			✓	✓		C
1914	10	3107	-5		8			✓	✓		C
2006	11	4923	-6		9			✓	✓		C
2057	12	3488	17947-1	19.9	10	30		✓	↑ A		CDF 2.98 224TMP 41 O,C,N
2149	13	3721	17944-1	27.7	11	37		✓	✓		CDF 5.13 C N
2241	14	4866	-2	M.0	12	66		✓	✓		4.61 C N
2334	15	5055	460-61425-1	2	13	100		✓	✓		C N
0025	16	5067	-2	1010	14	36		✓	↑ A		CDF 181.72 C120C2 49 O,C,N
0118	17	4566	18028-1	1	15	200		✓	✓		C
0210	18	3404	-2		16			✓	✓		C
0302	19	4550	-3		1			✓	✓		C
0354	20	4369	-4		2			✓	✓		C
0445	21	3563	-5		3			✓	R	R	run stopped at 17 min.
0721	22	2547	17995-1	1	4	200		✓	✓		C
0813	23	2612	-2		5			✓	✓		C
0904	24	4626	-6		6			✓	✓		C
0956	25	4793	-7		7			✓	✓		C

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: B.i Start Date: 08/21/2013 08:15

Analysis Batch Number: 60131 End Date: 08/22/2013 02:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-60131/1		08/21/2013 08:15	1	b1b001.d	RTX-624 0.32(mm)
VIBLK 200-60131/2		08/21/2013 09:09	1		RTX-624 0.32(mm)
VIBLK 200-60131/3		08/21/2013 10:02	1		RTX-624 0.32(mm)
IC 200-60131/4		08/21/2013 10:53	1	b1b004.d	RTX-624 0.32(mm)
IC 200-60131/5		08/21/2013 11:46	1	b1b005.d	RTX-624 0.32(mm)
IC 200-60131/6		08/21/2013 12:38	1	b1b006.d	RTX-624 0.32(mm)
IC 200-60131/7		08/21/2013 13:31	1	b1b007.d	RTX-624 0.32(mm)
ZZZZZ		08/21/2013 14:23	1		RTX-624 0.32(mm)
IC 200-60131/9		08/21/2013 15:15	1	b1b009.d	RTX-624 0.32(mm)
ZZZZZ		08/21/2013 16:07	1		RTX-624 0.32(mm)
IC 200-60131/11		08/21/2013 16:59	1	b1b011.d	RTX-624 0.32(mm)
IC 200-60131/12		08/21/2013 17:52	1	b1b012.d	RTX-624 0.32(mm)
VIBLK 200-60131/13		08/21/2013 18:44	1		RTX-624 0.32(mm)
VIBLK 200-60131/14		08/21/2013 19:36	1		RTX-624 0.32(mm)
VIBLK 200-60131/15		08/21/2013 20:28	1		RTX-624 0.32(mm)
ZZZZZ		08/21/2013 21:20	1		RTX-624 0.32(mm)
ICIS 200-60131/17		08/21/2013 22:12	1	b1b017.d	RTX-624 0.32(mm)
VIBLK 200-60131/18		08/21/2013 23:04	1		RTX-624 0.32(mm)
ICV 200-60131/19		08/21/2013 23:56	1	b1b019.d	RTX-624 0.32(mm)
VIBLK 200-60131/20		08/22/2013 00:48	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 01:40	1		RTX-624 0.32(mm)
VIBLK 200-60131/22		08/22/2013 02:33	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17995-1

SDG No.: 200-17995

Instrument ID: B.i Start Date: 08/22/2013 11:15

Analysis Batch Number: 60183 End Date: 08/23/2013 09:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-60183/1		08/22/2013 11:15	1	blba001.d	RTX-624 0.32(mm)
CCVIS 200-60183/2		08/22/2013 12:06	1		RTX-624 0.32(mm)
CCVIS 200-60183/3		08/22/2013 13:09	1	blba003.d	RTX-624 0.32(mm)
LCS 200-60183/4		08/22/2013 14:01	1	blba004.d	RTX-624 0.32(mm)
MB 200-60183/5		08/22/2013 14:54	1	blba005.d	RTX-624 0.32(mm)
ZZZZZ		08/22/2013 15:46	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 16:38	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 17:30	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 18:22	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 19:14	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 20:06	1		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 20:57	19.9		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 21:49	27.7		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 22:41	14		RTX-624 0.32(mm)
ZZZZZ		08/22/2013 23:34	2		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 00:25	1010		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 01:18	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 02:10	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 03:02	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 03:54	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2013 04:45	1		RTX-624 0.32(mm)
200-17995-1	SV40771-081513	08/23/2013 07:21	1	blba022.d	RTX-624 0.32(mm)
200-17995-2	SV40812-081513	08/23/2013 08:13	1	blba023.d	RTX-624 0.32(mm)
200-17995-6	SV40811-081613	08/23/2013 09:04	1	blba024.d	RTX-624 0.32(mm)
200-17995-7	SV40772-081613	08/23/2013 09:56	1	blba025.d	RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Terracon	200-17995-1	8/19/13	1045	29.7	22	G8	JK

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) MA MCP: Check return flow rate for flow controllers		✓	
(4) 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	2547	-6.0	N	KnoxO8	Y	2547 BLAK	
2	2612	-5.0		KnoX63		2612 BLAK	
3	2533	-6.6		3451		2533 BLAK	
4	4236	-6.7		5214		4236 BLAK	
5	4357	0.0	Y	4941		4357 BLAK	
6	4126	-4.5	N	4624		4126 BLAX	
7	4793	-3.3		5295	Y	4793 GIHE	

8/19/13 JK

[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 # 55 | 13, 20, 30, 7

Pre-Shipment Clean Canister Certification Report

200-17720-A-1
2533
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536983

Loc: 200
17720
#1
A

Certification Type: ☐ Batch ☑ ~~Individual~~

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	10	7/31/13		(6L) 1L 3L

Port	Can ID	Leak Test Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]	Initial Reading	Final Reading	
1	2533	-29.3	-29.9	-29.6	0.3	Gauge ID: G8	Gauge ID: G-8	G-8
2	4236					Date: 8/1/13	Date: 8/2/13	8/5/13
3	2547					Time: 0815	Time: 1120	1030
4	4924					Tech: JK	Tech: C	C
5	~~3071~~					BP: 29.3 ("Hg)	BP: 29.5	29.6 ("Hg)
6	5085					Temp 22 (°C)	Temp: 22	22 (°C)
7	2973					[3]Acceptance Criteria:		
8	4828		-29.8	-29.5	0.3	(1) The difference must be less than or equal to + 0.5		
9	3074		-29.9	-29.6	0.3	(2) Pressure readings must be at least 24 hours apart.		
10	4357		"	"	"	If time frame was not met, the PM must authorize shipment of canister:		
11	3230		-29.8	-29.5	0.3	*PM Authorization:*		
12	2612		-29.9	-29.6	0.3	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
2533	8/5/13	BLAR	BL		✓					
4236					✓					
2547					✓					
4924					✓					
~~3071~~										
5085								✓		
2973								✓		
4828	8/02/13	WAIF	PAD		✓					
3074	8/5/13	BLAR	BL		✓					
4357	"	"	"		✓					
3230	8/02/13	WAIF	PAD		✓					
2612	8/5/13	BLAR	BL		✓					

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 ALL Routine .04 ppb

5085

~~4924~~ - Chloromethane - 2.36 ppbv

2973 - Carbon Tet = 0.27 Chloromethane = 0.66 Tetrachloroethene = 0.46

BR-FAI023:10.19.09:7
TestAmerica

200-17720-A-2
4238
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536984

Loc: 200
17720
#2
A

200-17720-A-3
2547
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536985

Loc: 200
17720
#3
A

200-17720-A-4
4924
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536986

Loc: 200
17720
#4
A

200-17720-A-5
3071
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536987

Loc: 200
17720
#5
A

200-17720-A-6
5086
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536988

Loc: 200
17720
#6
A

200-17720-A-7
2973
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536989

Loc: 200
17720
#7
A

200-17720-A-8
4828
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536990

Loc: 200
17720
#8
A

200-17720-A-9
3074
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536991

Loc: 200
17720
#9
A

200-17720-A-10
4357
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536992

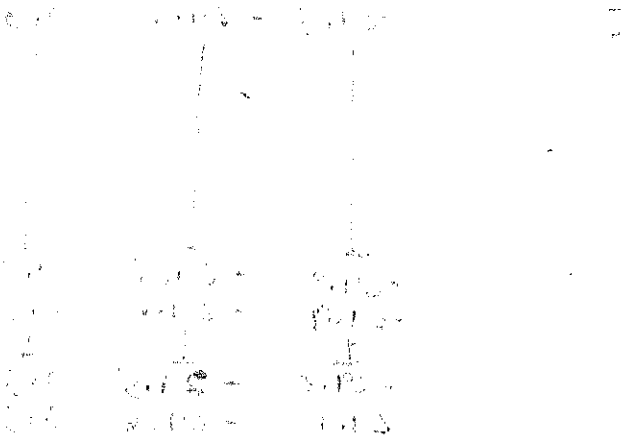
Loc: 200
17720
#10
A

200-17720-A-11
3230
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536993

Loc: 200
17720
#11
A

200-17720-A-12
2612
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 7/31/2013 12:00 AM 200-536994

Loc: 200
17720
#12
A



Pre-Shipment Clean Canister Certification Repor

200-17876-A-11
4126
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/11/2013 12.00 AM 200-541946

Loc: 200
17876
#11
A

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
Bottom	15	8/11/13	C	(6L)	1L	3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4813	-29.6	-29.8	-29.4	0.4
2	5463				
3	4309				
4	4861				
5	5159				
6	4336				
7	5408				
8	4429				
9	3209				
10	2864				
11	4126				
12	4559	↓	↓	↓	↓

Initial Reading		Final Reading	
Gauge ID:	C8	Gauge ID:	C8
Date:	8/12/13	Date:	8/14/13
Time:	1500	Time:	1140
Tech:	C	Tech:	JK
BP:	29.6 ("Hg)	BP:	29.4 ("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
4126	8/13/13	BLAX	BL		✓				8/13/13	[illegible]

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:

200-17928-A-6
4793
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/14/2013 12:00 AM 200-543513

Loc: 200
17928
#6
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	15	8/14/13	JK	(6L) 1L 3L

Port	Can ID	Leak Test: Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2706	-30.2	-29.8	-29.6	0.2
2	3323				
3	3437				
4	3206				
5	4942				
6	4793				
7	3626				
8	2595				
9	5158				
10	5112				
11	3423				
12	5131				

Initial Reading		Final Reading	
Gauge ID:	G-8	Gauge ID:	G-8
Date:	8/15/13	Date:	8/15/13
Time:	0240	Time:	1320
Tech:	WND	Tech:	—
BP:	29.6 ("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
4793	8/15/13	G-1145	WND		✓				8/20/13	PAD

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:

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Matrix: Air Level: Low Lab File ID: waif09.d

Lab ID: LCS 200-59271/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.38	84	70-130	
Dichlorodifluoromethane	10.0	8.92	89	70-130	
Freon 22	10.0	8.62	86	70-130	
1,2-Dichlorotetrafluoroethane	10.0	8.31	83	70-130	
Chloromethane	10.0	8.67	87	70-130	
n-Butane	10.0	8.26	83	70-130	
Vinyl chloride	10.0	7.68	77	70-130	
1,3-Butadiene	10.0	8.22	82	70-130	
Bromomethane	10.0	8.06	81	70-130	
Chloroethane	10.0	8.80	88	70-130	
Bromoethene(Vinyl Bromide)	10.0	8.69	87	70-130	
Trichlorofluoromethane	10.0	8.30	83	70-130	
Ethanol	15.0	11.7	78	70-130	
Freon TF	10.0	9.22	92	70-130	
1,1-Dichloroethene	10.0	9.45	95	70-130	
Acetone	10.0	9.44	94	70-130	
Isopropyl alcohol	10.0	8.77	88	70-130	
Carbon disulfide	10.0	9.09	91	70-130	
3-Chloropropene	10.0	8.28	83	70-130	
Methylene Chloride	10.0	9.23	92	70-130	
tert-Butyl alcohol	10.0	8.85	89	70-130	
Methyl tert-butyl ether	10.0	8.71	87	70-130	
trans-1,2-Dichloroethene	10.0	8.25	83	70-130	
n-Hexane	10.0	8.42	84	70-130	
1,1-Dichloroethane	10.0	8.07	81	70-130	
Vinyl acetate	10.0	9.13	91	70-130	
Ethyl acetate	10.0	9.41	94	70-130	
Methyl Ethyl Ketone	10.0	9.17	92	70-130	
cis-1,2-Dichloroethene	10.0	8.84	88	70-130	
Chloroform	10.0	8.49	85	70-130	
Tetrahydrofuran	10.0	9.13	91	70-130	
1,1,1-Trichloroethane	10.0	8.56	86	70-130	
Cyclohexane	10.0	8.79	88	70-130	
Carbon tetrachloride	10.0	8.46	85	70-130	
2,2,4-Trimethylpentane	10.0	8.64	86	70-130	
Benzene	10.0	8.66	87	70-130	
1,2-Dichloroethane	10.0	8.10	81	70-130	
n-Heptane	10.0	8.19	82	70-130	
Trichloroethene	10.0	8.47	85	70-130	
Methyl methacrylate	10.0	9.04	90	70-130	
1,2-Dichloropropane	10.0	8.31	83	70-130	
1,4-Dioxane	10.0	8.43	84	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Matrix: Air Level: Low Lab File ID: waif09.d

Lab ID: LCS 200-59271/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	8.96	90	70-130	
cis-1,3-Dichloropropene	10.0	8.68	87	70-130	
methyl isobutyl ketone	10.0	8.50	85	70-130	
Toluene	10.0	8.51	85	70-130	
trans-1,3-Dichloropropene	10.0	8.66	87	70-130	
1,1,2-Trichloroethane	10.0	8.03	80	70-130	
Tetrachloroethene	10.0	8.18	82	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.21	82	70-130	
Dibromochloromethane	10.0	9.42	94	70-130	
1,2-Dibromoethane	10.0	8.47	85	70-130	
Chlorobenzene	10.0	8.32	83	70-130	
Ethylbenzene	10.0	8.62	86	70-130	
m,p-Xylene	20.0	17.4	87	70-130	
Xylene, o-	10.0	8.40	84	70-130	
Styrene	10.0	9.14	91	70-130	
Bromoform	10.0	10.1	101	70-130	
Cumene	10.0	8.97	90	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.28	83	70-130	
n-Propylbenzene	10.0	9.20	92	70-130	
4-Ethyltoluene	10.0	9.43	94	70-130	
1,3,5-Trimethylbenzene	10.0	8.76	88	70-130	
2-Chlorotoluene	10.0	8.96	90	70-130	
tert-Butylbenzene	10.0	8.88	89	70-130	
1,2,4-Trimethylbenzene	10.0	8.66	87	70-130	
sec-Butylbenzene	10.0	9.11	91	70-130	
4-Isopropyltoluene	10.0	9.26	93	70-130	
1,3-Dichlorobenzene	10.0	8.94	89	70-130	
1,4-Dichlorobenzene	10.0	9.03	90	70-130	
Benzyl chloride	10.0	9.81	98	70-130	
n-Butylbenzene	10.0	9.33	93	70-130	
1,2-Dichlorobenzene	10.0	8.42	84	70-130	
1,2,4-Trichlorobenzene	10.0	7.43	74	70-130	
Hexachlorobutadiene	10.0	8.20	82	70-130	
Naphthalene	10.0	7.66	77	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Matrix: Air Level: Low Lab File ID: blar003.D

Lab ID: LCS 200-59280/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.7	107	70-130	
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Freon 22	10.0	10.7	107	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.9	109	70-130	
Chloromethane	10.0	10.5	105	70-130	
n-Butane	10.0	10.2	102	70-130	
Vinyl chloride	10.0	10.6	106	70-130	
1,3-Butadiene	10.0	10.8	108	70-130	
Bromomethane	10.0	10.7	107	70-130	
Chloroethane	10.0	10.9	109	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70-130	
Trichlorofluoromethane	10.0	10.6	106	70-130	
Ethanol	15.0	18.3	122	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.5	115	70-130	
Acetone	10.0	14.0	140	70-130	*
Isopropyl alcohol	10.0	10.1	101	70-130	
Carbon disulfide	10.0	11.1	111	70-130	
3-Chloropropene	10.0	10.6	106	70-130	
Methylene Chloride	10.0	11.4	114	70-130	
tert-Butyl alcohol	10.0	10.4	104	70-130	
Methyl tert-butyl ether	10.0	10.4	104	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
n-Hexane	10.0	10.5	105	70-130	
1,1-Dichloroethane	10.0	10.9	109	70-130	
Vinyl acetate	10.0	10.6	106	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	11.3	113	70-130	
cis-1,2-Dichloroethene	10.0	10.9	109	70-130	
Chloroform	10.0	10.5	105	70-130	
Tetrahydrofuran	10.0	10.8	108	70-130	
1,1,1-Trichloroethane	10.0	10.4	104	70-130	
Cyclohexane	10.0	10.5	105	70-130	
Carbon tetrachloride	10.0	10.1	101	70-130	
2,2,4-Trimethylpentane	10.0	10.7	107	70-130	
Benzene	10.0	10.7	107	70-130	
1,2-Dichloroethane	10.0	10.6	106	70-130	
n-Heptane	10.0	10.6	106	70-130	
Trichloroethene	10.0	10.4	104	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.5	105	70-130	
1,4-Dioxane	10.0	9.22	92	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Matrix: Air Level: Low Lab File ID: blar003.D

Lab ID: LCS 200-59280/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.3	103	70-130	
methyl isobutyl ketone	10.0	11.1	111	70-130	
Toluene	10.0	10.2	102	70-130	
trans-1,3-Dichloropropene	10.0	10.2	102	70-130	
1,1,2-Trichloroethane	10.0	10.0	100	70-130	
Tetrachloroethene	10.0	9.41	94	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8	108	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.81	98	70-130	
Ethylbenzene	10.0	10.2	102	70-130	
m,p-Xylene	20.0	19.8	99	70-130	
Xylene, o-	10.0	9.72	97	70-130	
Styrene	10.0	9.58	96	70-130	
Bromoform	10.0	10.4	104	70-130	
Cumene	10.0	10.1	101	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.2	102	70-130	
n-Propylbenzene	10.0	10.7	107	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	9.86	99	70-130	
2-Chlorotoluene	10.0	10.5	105	70-130	
tert-Butylbenzene	10.0	9.89	99	70-130	
1,2,4-Trimethylbenzene	10.0	9.82	98	70-130	
sec-Butylbenzene	10.0	10.2	102	70-130	
4-Isopropyltoluene	10.0	10.1	101	70-130	
1,3-Dichlorobenzene	10.0	9.93	99	70-130	
1,4-Dichlorobenzene	10.0	10.0	100	70-130	
Benzyl chloride	10.0	9.23	92	70-130	
n-Butylbenzene	10.0	11.1	111	70-130	
1,2-Dichlorobenzene	10.0	9.58	96	70-130	
1,2,4-Trichlorobenzene	10.0	10.1	101	70-130	
Hexachlorobutadiene	10.0	9.32	93	70-130	
Naphthalene	10.0	10.6	106	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Matrix: Air Level: Low Lab File ID: blax003.D

Lab ID: LCS 200-59648/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.9	119	70-130	
Dichlorodifluoromethane	10.0	12.4	124	70-130	
Freon 22	10.0	12.0	120	70-130	
1,2-Dichlorotetrafluoroethane	10.0	11.9	119	70-130	
Chloromethane	10.0	11.3	113	70-130	
n-Butane	10.0	11.0	110	70-130	
Vinyl chloride	10.0	11.5	115	70-130	
1,3-Butadiene	10.0	11.8	118	70-130	
Bromomethane	10.0	11.9	119	70-130	
Chloroethane	10.0	12.3	123	70-130	
Bromoethene(Vinyl Bromide)	10.0	12.3	123	70-130	
Trichlorofluoromethane	10.0	12.1	121	70-130	
Ethanol	15.0	15.6	104	70-130	
Freon TF	10.0	12.9	129	70-130	
1,1-Dichloroethene	10.0	13.2	132	70-130	*
Acetone	10.0	12.8	128	70-130	
Isopropyl alcohol	10.0	11.5	115	70-130	
Carbon disulfide	10.0	12.6	126	70-130	
3-Chloropropene	10.0	13.0	130	70-130	
Methylene Chloride	10.0	13.2	132	70-130	*
tert-Butyl alcohol	10.0	10.9	109	70-130	
Methyl tert-butyl ether	10.0	12.1	121	70-130	
trans-1,2-Dichloroethene	10.0	12.4	124	70-130	
n-Hexane	10.0	12.2	122	70-130	
1,1-Dichloroethane	10.0	12.6	126	70-130	
Vinyl acetate	10.0	12.6	126	70-130	
Ethyl acetate	10.0	12.0	120	70-130	
Methyl Ethyl Ketone	10.0	12.8	128	70-130	
cis-1,2-Dichloroethene	10.0	12.5	125	70-130	
Chloroform	10.0	12.2	122	70-130	
Tetrahydrofuran	10.0	12.9	129	70-130	
1,1,1-Trichloroethane	10.0	11.9	119	70-130	
Cyclohexane	10.0	12.1	121	70-130	
Carbon tetrachloride	10.0	11.6	116	70-130	
2,2,4-Trimethylpentane	10.0	12.5	125	70-130	
Benzene	10.0	12.3	123	70-130	
1,2-Dichloroethane	10.0	12.2	122	70-130	
n-Heptane	10.0	12.5	125	70-130	
Trichloroethene	10.0	12.0	120	70-130	
Methyl methacrylate	10.0	12.4	124	70-130	
1,2-Dichloropropane	10.0	12.3	123	70-130	
1,4-Dioxane	10.0	11.0	110	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Matrix: Air Level: Low Lab File ID: blax003.D

Lab ID: LCS 200-59648/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	12.7	127	70-130	
cis-1,3-Dichloropropene	10.0	12.0	120	70-130	
methyl isobutyl ketone	10.0	13.1	131	70-130	*
Toluene	10.0	11.9	119	70-130	
trans-1,3-Dichloropropene	10.0	11.9	119	70-130	
1,1,2-Trichloroethane	10.0	11.8	119	70-130	
Tetrachloroethene	10.0	11.1	111	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.2	132	70-130	*
Dibromochloromethane	10.0	12.3	123	70-130	
1,2-Dibromoethane	10.0	11.8	118	70-130	
Chlorobenzene	10.0	11.5	115	70-130	
Ethylbenzene	10.0	12.1	121	70-130	
m,p-Xylene	20.0	23.3	117	70-130	
Xylene, o-	10.0	11.4	114	70-130	
Styrene	10.0	12.0	120	70-130	
Bromoform	10.0	12.3	123	70-130	
Cumene	10.0	11.8	118	70-130	
1,1,2,2-Tetrachloroethane	10.0	12.0	120	70-130	
n-Propylbenzene	10.0	12.5	125	70-130	
4-Ethyltoluene	10.0	12.4	124	70-130	
1,3,5-Trimethylbenzene	10.0	11.6	116	70-130	
2-Chlorotoluene	10.0	12.4	124	70-130	
tert-Butylbenzene	10.0	11.6	116	70-130	
1,2,4-Trimethylbenzene	10.0	11.5	115	70-130	
sec-Butylbenzene	10.0	11.9	119	70-130	
4-Isopropyltoluene	10.0	11.8	118	70-130	
1,3-Dichlorobenzene	10.0	11.6	116	70-130	
1,4-Dichlorobenzene	10.0	11.7	117	70-130	
Benzyl chloride	10.0	14.4	144	70-130	*
n-Butylbenzene	10.0	12.9	129	70-130	
1,2-Dichlorobenzene	10.0	11.1	111	70-130	
1,2,4-Trichlorobenzene	10.0	10.9	109	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	10.9	109	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Matrix: Air Level: Low Lab File ID: gihe03.d

Lab ID: LCS 200-59994/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.8	108	70-130	
Dichlorodifluoromethane	10.0	11.3	113	70-130	
Freon 22	10.0	11.4	114	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.2	102	70-130	
Chloromethane	10.0	11.4	114	70-130	
n-Butane	10.0	11.0	110	70-130	
Vinyl chloride	10.0	9.69	97	70-130	
1,3-Butadiene	10.0	10.7	107	70-130	
Bromomethane	10.0	10.3	103	70-130	
Chloroethane	10.0	11.2	112	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.7	107	70-130	
Trichlorofluoromethane	10.0	10.7	107	70-130	
Ethanol	15.0	14.5	97	70-130	
Freon TF	10.0	11.4	114	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	12.7	128	70-130	
Isopropyl alcohol	10.0	11.2	112	70-130	
Carbon disulfide	10.0	11.5	115	70-130	
3-Chloropropene	10.0	11.2	112	70-130	
Methylene Chloride	10.0	12.3	123	70-130	
tert-Butyl alcohol	10.0	10.6	106	70-130	
Methyl tert-butyl ether	10.0	10.6	106	70-130	
trans-1,2-Dichloroethene	10.0	10.7	107	70-130	
n-Hexane	10.0	10.2	102	70-130	
1,1-Dichloroethane	10.0	10.1	101	70-130	
Vinyl acetate	10.0	11.9	119	70-130	
Ethyl acetate	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	10.5	105	70-130	
cis-1,2-Dichloroethene	10.0	9.93	99	70-130	
Chloroform	10.0	10.2	102	70-130	
Tetrahydrofuran	10.0	13.3	133	70-130	*
1,1,1-Trichloroethane	10.0	11.0	110	70-130	
Cyclohexane	10.0	10.8	108	70-130	
Carbon tetrachloride	10.0	10.6	106	70-130	
2,2,4-Trimethylpentane	10.0	11.2	112	70-130	
Benzene	10.0	10.4	104	70-130	
1,2-Dichloroethane	10.0	11.2	112	70-130	
n-Heptane	10.0	11.0	110	70-130	
Trichloroethene	10.0	9.23	92	70-130	
Methyl methacrylate	10.0	10.9	109	70-130	
1,2-Dichloropropane	10.0	10.1	101	70-130	
1,4-Dioxane	10.0	9.33	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Matrix: Air Level: Low Lab File ID: gihe03.d

Lab ID: LCS 200-59994/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.0	110	70-130	
cis-1,3-Dichloropropene	10.0	10.4	104	70-130	
methyl isobutyl ketone	10.0	12.5	125	70-130	
Toluene	10.0	9.62	96	70-130	
trans-1,3-Dichloropropene	10.0	10.3	103	70-130	
1,1,2-Trichloroethane	10.0	9.62	96	70-130	
Tetrachloroethene	10.0	8.93	89	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	13.7	137	70-130	*
Dibromochloromethane	10.0	11.1	111	70-130	
1,2-Dibromoethane	10.0	10.1	101	70-130	
Chlorobenzene	10.0	9.55	95	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	20.0	100	70-130	
Xylene, o-	10.0	9.77	98	70-130	
Styrene	10.0	11.0	110	70-130	
Bromoform	10.0	11.4	114	70-130	
Cumene	10.0	10.4	104	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.3	103	70-130	
n-Propylbenzene	10.0	11.2	112	70-130	
4-Ethyltoluene	10.0	12.1	121	70-130	
1,3,5-Trimethylbenzene	10.0	10.4	104	70-130	
2-Chlorotoluene	10.0	11.7	117	70-130	
tert-Butylbenzene	10.0	10.6	106	70-130	
1,2,4-Trimethylbenzene	10.0	10.7	107	70-130	
sec-Butylbenzene	10.0	11.0	110	70-130	
4-Isopropyltoluene	10.0	11.3	113	70-130	
1,3-Dichlorobenzene	10.0	10.9	109	70-130	
1,4-Dichlorobenzene	10.0	10.8	108	70-130	
Benzyl chloride	10.0	11.9	119	70-130	
n-Butylbenzene	10.0	12.2	122	70-130	
1,2-Dichlorobenzene	10.0	10.3	103	70-130	
1,2,4-Trichlorobenzene	10.0	11.3	113	70-130	
Hexachlorobutadiene	10.0	11.2	112	70-130	
Naphthalene	10.0	12.2	122	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: waif10a.d Lab Sample ID: MB 200-59271/4

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

Instrument ID: W.i Date Analyzed: 07/31/2013 17:27

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 200-59271/3	waif09.d	07/31/2013 16:13
4828	200-17720-8	waif31.d	08/01/2013 11:58
3230	200-17720-11	waif33.d	08/01/2013 14:03

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59271/4

Matrix: Air Lab File ID: waif10a.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2013 17:27

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.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59271/4

Matrix: Air Lab File ID: waif10a.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2013 17:27

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.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59271/4

Matrix: Air Lab File ID: waif10a.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/31/2013 17:27

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.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/waifto15.b/waif10a.d
Lab Smp Id: mb
Inj Date : 31-JUL-2013 17:27
Operator : pad Inst ID: W.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/W.i/Wsvr.p/waifto15.b/to15v5.m
Meth Date : 31-Jul-2013 15:34 pd Quant Type: ISTD
Cal Date : 23-JUL-2013 16:58 Cal File: wai10.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	5.018	5.028	(0.389)	1080	0.01910	0.019(a)
6	Butane	43	5.285	5.296	(0.410)	3664	0.03699	0.037(aQ)
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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.800	8.778	(0.683)	17368	0.19599	0.20(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.078	9.057	(0.704)	9627	0.12628	0.13(a)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	9.763	9.768	(0.757)	1959	0.02819	0.028(aQ)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.893	12.898	(1.000)	461117	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	14.818	14.824	(1.000)	2292228	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

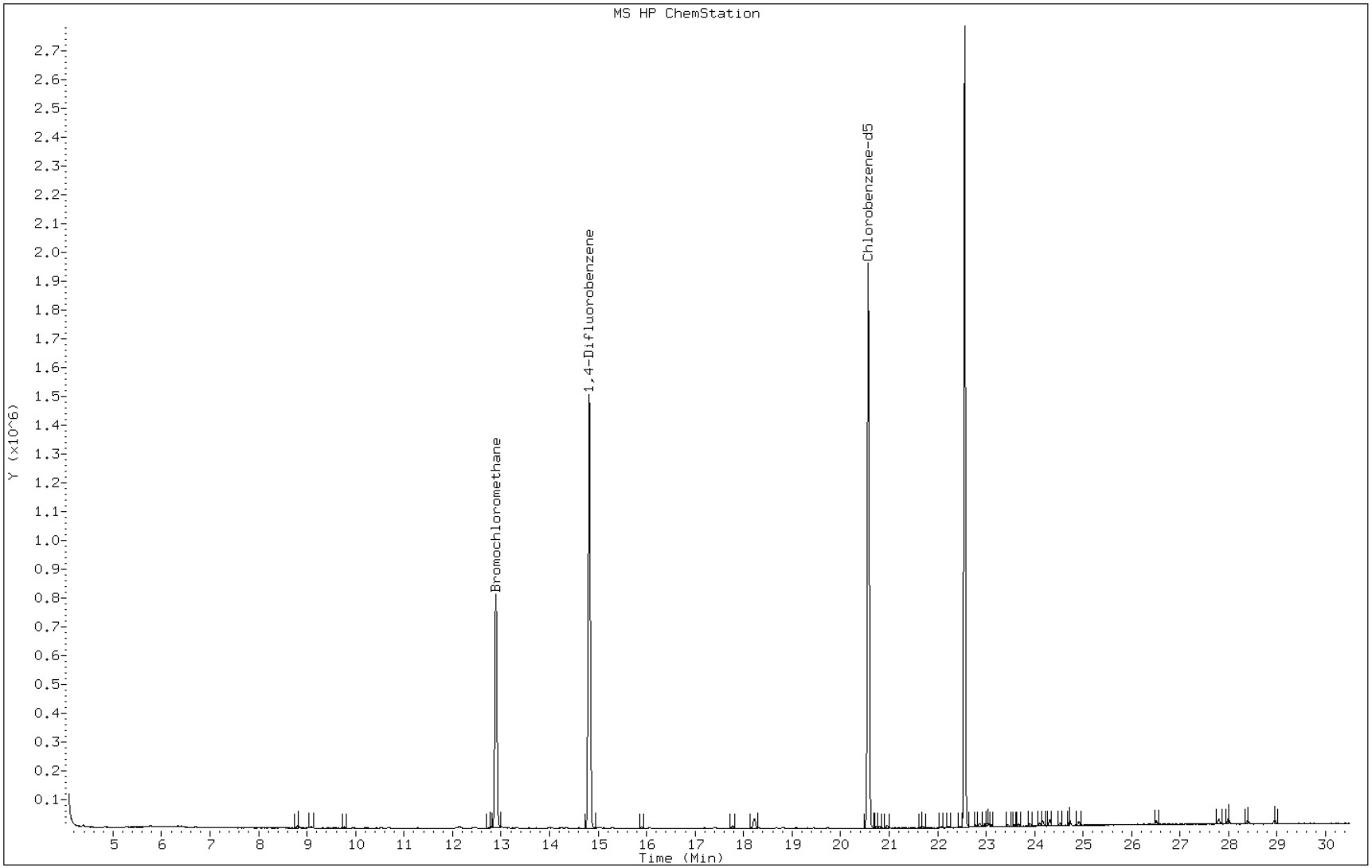
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	20.569	20.574	(1.000)	2062014	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	24.314	24.314	(1.182)	15098	0.04598	0.046(a)
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	27.802	27.797	(1.352)	12838	0.06188	0.062(a)
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: waif10a.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 31-JUL-2013 17:27
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: blar004.D Lab Sample ID: MB 200-59280/4

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

Instrument ID: CHB.i Date Analyzed: 08/02/2013 11:59

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 200-59280/3	blar003.D	08/02/2013 11:07
2533	200-17720-1	blar008.D	08/02/2013 15:56
4236	200-17720-2	blar009.D	08/02/2013 16:55
2547	200-17720-3	blar010.D	08/02/2013 17:54
4924	200-17720-4	blar011.D	08/02/2013 18:54
5085	200-17720-6	blar012.D	08/02/2013 19:53
2973	200-17720-7	blar013.D	08/02/2013 20:53
3074	200-17720-9	blar014.D	08/02/2013 21:52
4357	200-17720-10	blar015.D	08/02/2013 22:51
2612	200-17720-12	blar016.D	08/02/2013 23:50

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59280/4

Matrix: Air Lab File ID: blar004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2013 11:59

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.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-59280/4

Matrix: Air | Lab File ID: blar004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/02/2013 11:59

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.: 59280 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59280/4

Matrix: Air Lab File ID: blar004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/02/2013 11:59

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.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar004.D		
Lims ID:	MB	Client ID:	
Inject. Date:	02-Aug-2013 11:59:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	mb		
Misc. Info.:	MB		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	3
Lims Batch ID:	59280	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	02-Aug-2013 13:34:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.086	9.071	0.015	80	424456	10.0	
* 3 1,4-Difluorobenzene	114	10.495	10.485	0.010	93	2105046	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1756064	10.0	
$ 5 BFB								1
8 Total Alkanes	1		0.000					
9 Total Hydrocarbons	1		0.000					
6 TVOC as Toluene	1		0.000					
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
13 Difluoroethane TIC	51		3.150					
14 Chlorotrifluoroethene TIC	116		3.162					
15 Freon 115 TIC	85		3.180					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
17 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
18 Chloromethane	50		3.307					
19 Butane	43		3.445					19
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
24 2-Methylbutane	43		4.321					19
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
27 Pentane	43		4.833					
28 Ethanol	45		5.175					
29 Ethyl ether	59		5.281					
30 Acrolein	56		5.639					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	6.039	5.900	0.139	59	6223	0.1386	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
37 Acetonitrile	41		6.498					
38 Methylene Chloride	49	6.717	6.680	0.037	38	2213	0.0667	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
42 Acrylonitrile	53		7.160					
43 Methyl Acetate TIC	43		7.200					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
59 n-Butanol	56		10.714					19
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
65 Methyl cyclohexane TIC	55		11.500					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
70 n-Octane	43		12.636					
7 GRO	1		12.902					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
79 n-Nonane	57		14.786					
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
87 1,2,3-Trichloropropane	75		16.361					19
88 n-Decane	57		16.451					19
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
92 Alpha Methyl Styrene	118		16.830					149
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
100 Undecane	57		17.786					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
103 Dodecane	57		19.120					
104 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					
108 1,2,3-Trichlorobenzene	180		20.913					
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

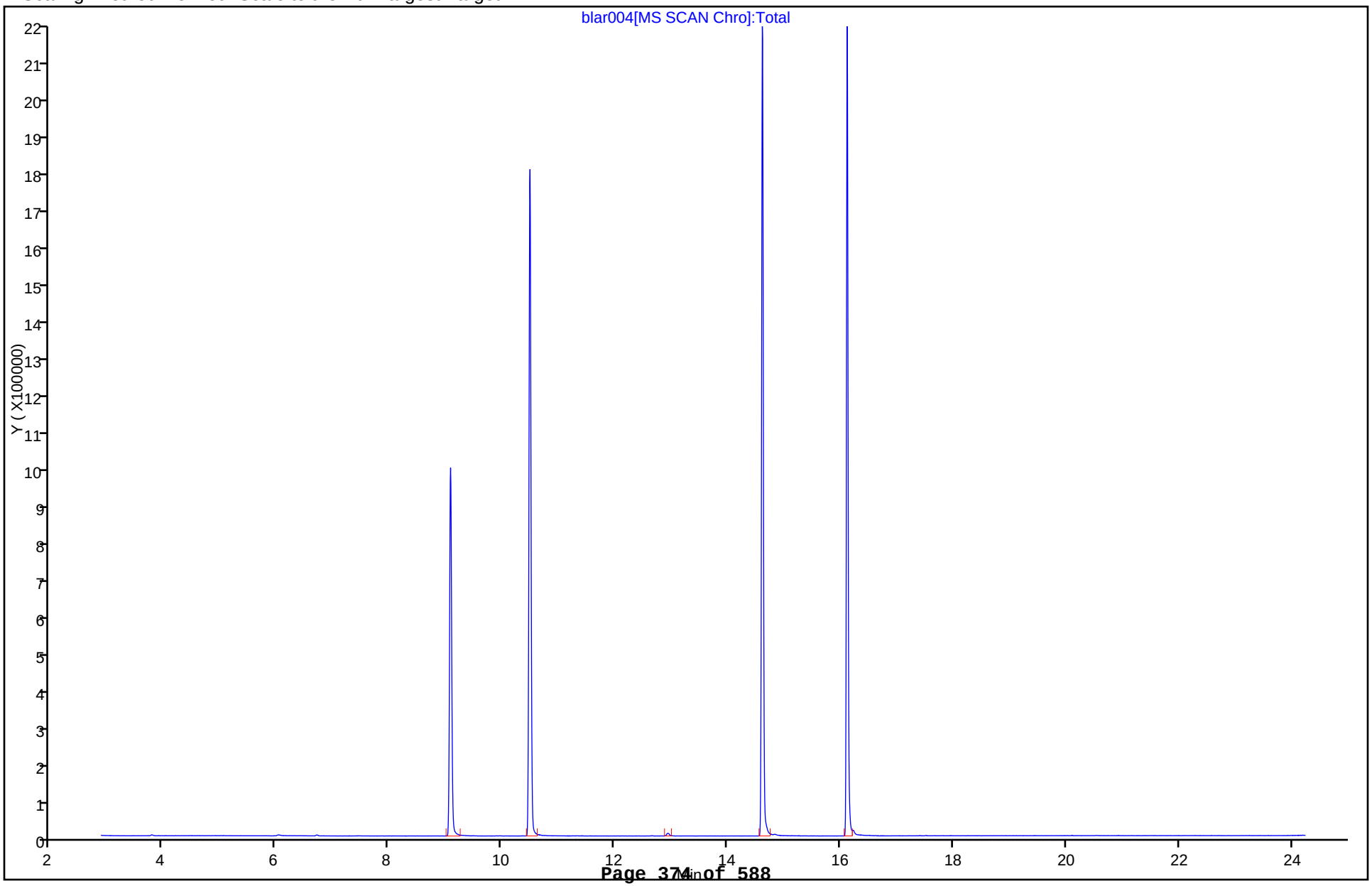
Report Date: 05-Aug-2013 09:05:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar004.D

Injection Date:	02-Aug-2013 11:59:30	Limit Group:	AI_TO15_Limits
Client ID:		Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	4
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab File ID: blax004.D Lab Sample ID: MB 200-59648/4

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

Instrument ID: CHB.i Date Analyzed: 08/12/2013 13:06

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 200-59648/3	blax003.D	08/12/2013 12:14
4126	200-17876-11	blax008.D	08/12/2013 16:54

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59648/4

Matrix: Air Lab File ID: blax004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/12/2013 13:06

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.: 59648 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17876-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-59648/4

Matrix: Air | Lab File ID: blax004.D

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/12/2013 13:06

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.: 59648 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59648/4

Matrix: Air Lab File ID: blax004.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/12/2013 13:06

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.: 59648 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130812-4083.b\blax004.D		
Lims ID:	MB	Client ID:	
Inject. Date:	12-Aug-2013 13:06:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	200-0004083-004		
Misc. Info.:	MB		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	3
Lims Batch ID:	59648	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130812-4083.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	13-Aug-2013 12:20:43	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK003		
First Level Reviewer: lyonsb		Date:	12-Aug-2013 14:21:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	403781	10.0	
* 3 1,4-Difluorobenzene	114	10.479	10.485	-0.006	93	2020237	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	81	1586302	10.0	
$ 5 BFB								1
6 TVOC as Toluene	1		0.000					
8 Total Alkanes	1		0.000					
9 Total Hydrocarbons	1		0.000					
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
13 Difluoroethane TIC	51		3.150					
14 Chlorotrifluoroethene TIC	116		3.162					
15 Freon 115 TIC	85		3.180					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
17 1,1,1-Trifluoro-2,2-dichloroetha	83		3.200					
18 Chloromethane	50		3.307					
19 Butane	43	3.451	3.445	0.006	55	2169	0.0719	
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
24 2-Methylbutane	43		4.321					19
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
27 Pentane	43	4.828	4.833	-0.005	54	2419	0.0476	
28 Ethanol	45		5.175					
29 Ethyl ether	59		5.281					
30 Acrolein	56		5.639					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.948	5.900	0.048	71	17802	0.4167	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
37 Acetonitrile	41		6.498					
38 Methylene Chloride	49	6.685	6.680	0.005	39	2445	0.0774	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
42 Acrylonitrile	53		7.160					
43 Methyl Acetate TIC	43		7.200					
44 Hexane	57	7.421	7.411	0.010	52	1638	0.0302	
45 1,1-Dichloroethane	63		7.811					
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57	9.898	9.887	0.006	70	7383	0.0434	
56 Benzene	78		9.924					19
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
59 n-Butanol	56		10.714					19
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					19
64 Dibromomethane	174		11.392					
65 Methyl cyclohexane TIC	55		11.500					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
70 n-Octane	43		12.636					
7 GRO	1		12.902					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
79 n-Nonane	57		14.786					
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
87 1,2,3-Trichloropropane	75		16.361					19
88 n-Decane	57		16.451					19
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
92 Alpha Methyl Styrene	118		16.830					149
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					19
98 1,4-Dichlorobenzene	146		17.482					19
99 Benzyl chloride	91		17.626					19
100 Undecane	57		17.786					
101 n-Butylbenzene	91		17.791					19
102 1,2-Dichlorobenzene	146		17.930					19
103 Dodecane	57		19.120					
104 1,2-Dibromo-3-Chloropropane TIC	75		19.300					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					
108 1,2,3-Trichlorobenzene	180		20.913					
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

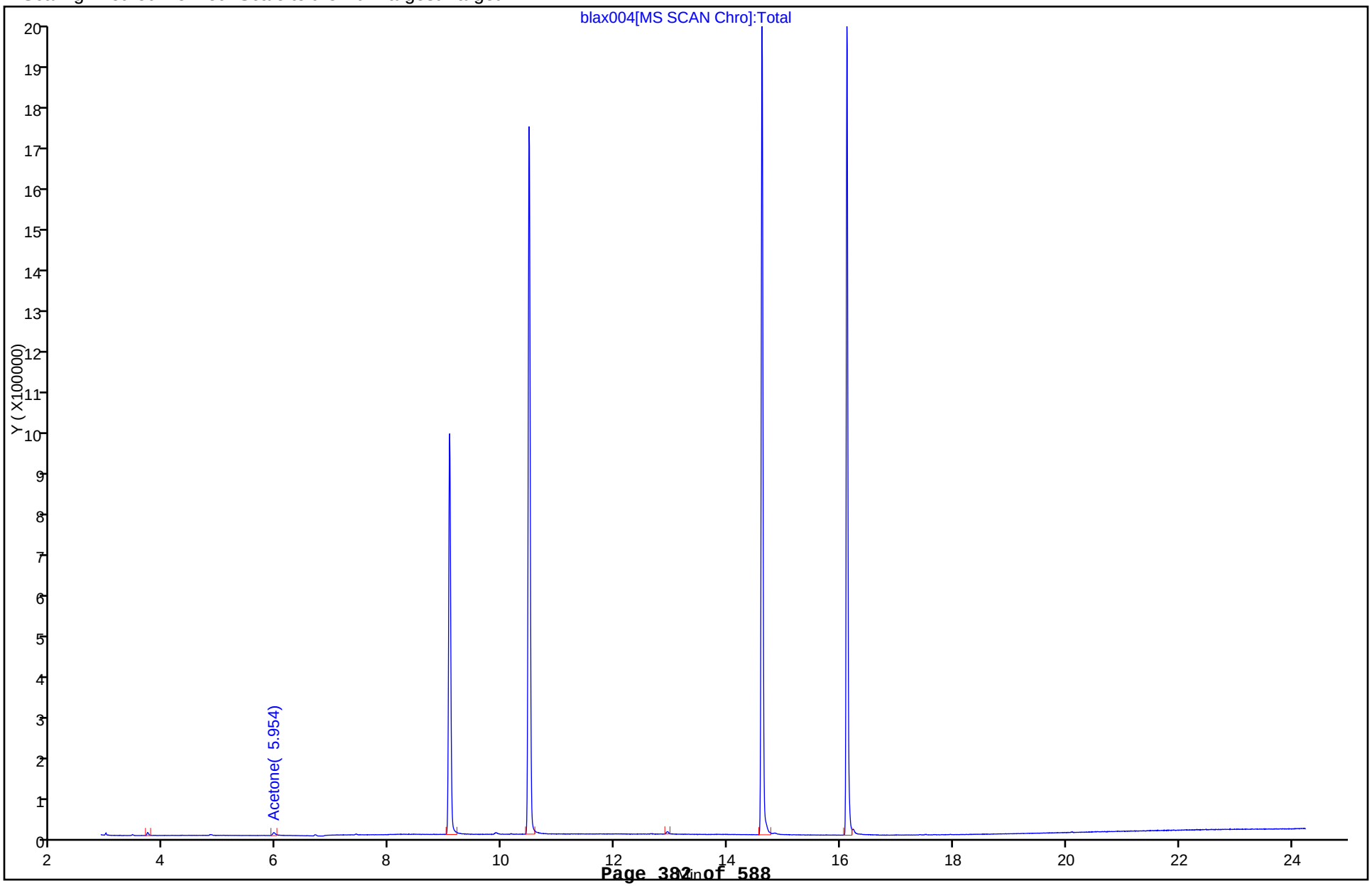
Report Date: 13-Aug-2013 12:20:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130812-4083.b\blax004.D

Injection Date:	12-Aug-2013 13:06:30	Limit Group:	AI_TO15_Limits
Client ID:		Instrument ID:	CHB.i
Lims Batch ID:	59648	Lims Sample ID:	4
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab File ID: gihe04.d Lab Sample ID: MB 200-59994/4

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

Instrument ID: G.i Date Analyzed: 08/14/2013 13:49

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 200-59994/3	gihe03.d	08/14/2013 13:02
4793	200-17928-6	gihe18.d	08/15/2013 09:05

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59994/4

Matrix: Air Lab File ID: gihe04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/14/2013 13:49

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.: 59994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17928-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-59994/4

Matrix: Air | Lab File ID: gihe04.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/14/2013 13:49

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.: 59994 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-59994/4

Matrix: Air Lab File ID: gihe04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/14/2013 13:49

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.: 59994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giheto15.b/gihe04.d
Lab Smp Id: mb
Inj Date : 14-AUG-2013 13:49
Operator : pad Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/giheto15.b/to15v5.m
Meth Date : 14-Aug-2013 13:03 pd Quant Type: ISTD
Cal Date : 07-AUG-2013 18:29 Cal File: gih15.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

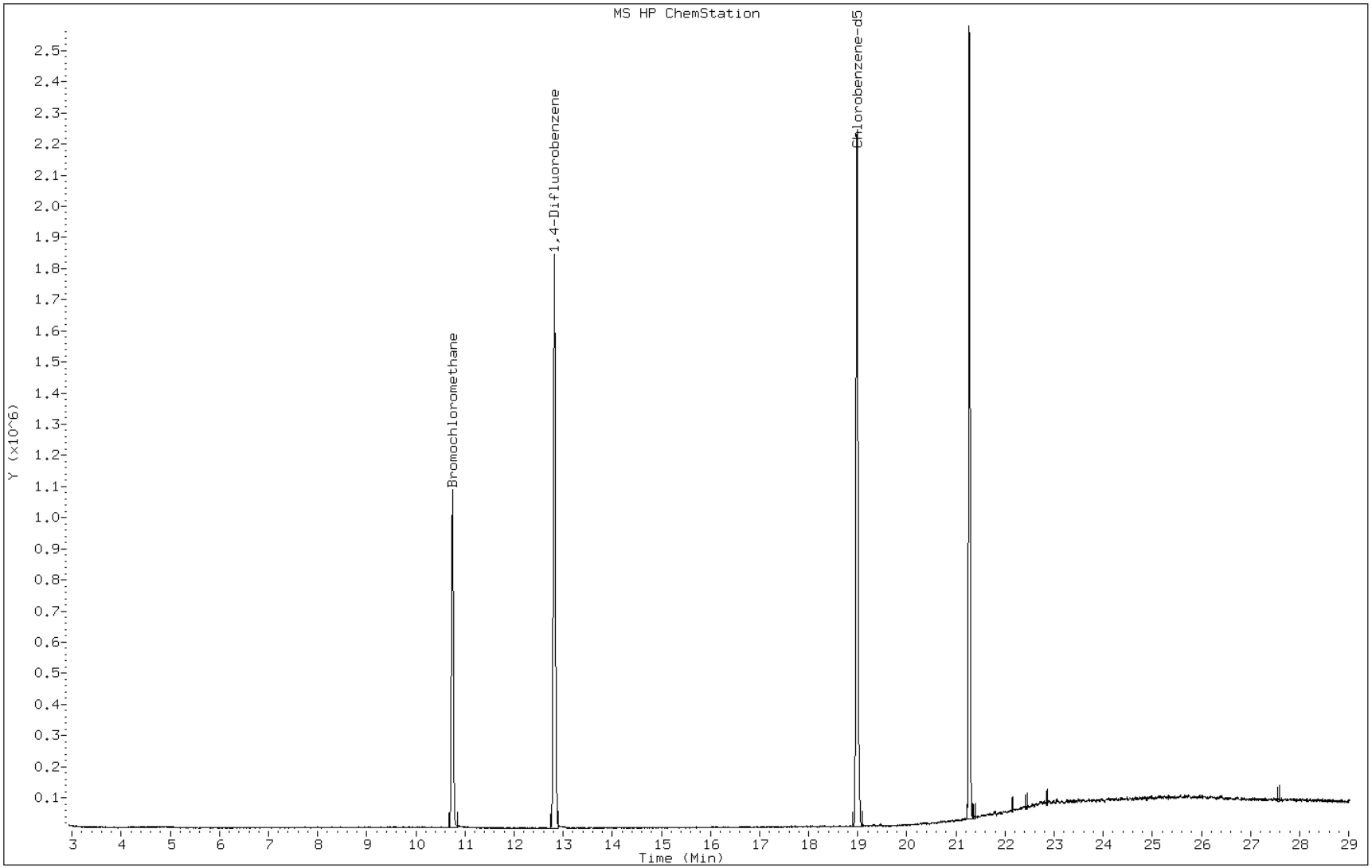
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	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.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	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.					
	24 Acetonitrile	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.747	10.758	(1.000)	525494	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	12.823	12.834	(1.000)	2616529	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.986	18.997	(1.000)	2219418	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: gihe04.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 14-AUG-2013 13:49
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: bla001.D BFB Injection Date: 06/29/2013

Instrument ID: CHB.i BFB Injection Time: 10:27

Analysis Batch No.: 57960

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.2	
75	30.0 - 66.0% of mass 95	41.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	95.6	
175	4.0 - 9.0 % of mass 174	6.9	(7.2)1
176	93.0 - 101.0% of mass 174	93.2	(97.5)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
	IC 200-57960/4	bla004.D	06/29/2013	13:00
	IC 200-57960/5	bla005.D	06/29/2013	13:52
	IC 200-57960/6	bla006.D	06/29/2013	14:44
	IC 200-57960/7	bla007.D	06/29/2013	15:36
	ICIS 200-57960/8	bla008.D	06/29/2013	16:28
	IC 200-57960/9	bla009.D	06/29/2013	17:20
	IC 200-57960/10	bla010.D	06/29/2013	18:12
	IC 200-57960/11	bla011.D	06/29/2013	19:05
	ICV 200-57960/14	bla014.D	06/29/2013	21:42

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: blar001.D BFB Injection Date: 08/02/2013

Instrument ID: CHB.i BFB Injection Time: 09:29

Analysis Batch No.: 59280

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.2	
75	30.0 - 66.0% of mass 95	42.4	
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	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	89.8	
175	4.0 - 9.0 % of mass 174	6.4	(7.2)1
176	93.0 - 101.0% of mass 174	86.6	(96.5)1
177	5.0 - 9.0% of mass 176	5.8	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-59280/2	blar002.D	08/02/2013	10:15
	LCS 200-59280/3	blar003.D	08/02/2013	11:07
	MB 200-59280/4	blar004.D	08/02/2013	11:59
2533	200-17720-1	blar008.D	08/02/2013	15:56
4236	200-17720-2	blar009.D	08/02/2013	16:55
2547	200-17720-3	blar010.D	08/02/2013	17:54
4924	200-17720-4	blar011.D	08/02/2013	18:54
5085	200-17720-6	blar012.D	08/02/2013	19:53
2973	200-17720-7	blar013.D	08/02/2013	20:53
3074	200-17720-9	blar014.D	08/02/2013	21:52
4357	200-17720-10	blar015.D	08/02/2013	22:51
2612	200-17720-12	blar016.D	08/02/2013	23:50

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: wai01.d BFB Injection Date: 07/23/2013

Instrument ID: W.i BFB Injection Time: 09:25

Analysis Batch No.: 58867

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.1	
75	30.0 - 66.0% of mass 95	42.6	
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	113.7	
175	4.0 - 9.0 % of mass 174	7.8	(6.8)1
176	93.0 - 101.0% of mass 174	111.6	(98.1)1
177	5.0 - 9.0% of mass 176	7.3	(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 200-58867/3	wai03.d	07/23/2013	11:11
	IC 200-58867/4	wai04.d	07/23/2013	12:00
	IC 200-58867/5	wai05.d	07/23/2013	12:50
	IC 200-58867/6	wai06.d	07/23/2013	13:39
	ICIS 200-58867/7	wai07.d	07/23/2013	14:29
	IC 200-58867/8	wai08.d	07/23/2013	15:19
	IC 200-58867/9	wai09.d	07/23/2013	16:07
	IC 200-58867/10	wai10.d	07/23/2013	16:58
	ICV 200-58867/13	wai13.d	07/23/2013	19:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab File ID: waif07.d BFB Injection Date: 07/31/2013

Instrument ID: W.i BFB Injection Time: 14:09

Analysis Batch No.: 59271

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.3	
75	30.0 - 66.0% of mass 95	41.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	118.0	
175	4.0 - 9.0 % of mass 174	8.5	(7.2)1
176	93.0 - 101.0% of mass 174	116.5	(98.7)1
177	5.0 - 9.0% of mass 176	7.7	(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 200-59271/2	waif08.d	07/31/2013	15:05
	LCS 200-59271/3	waif09.d	07/31/2013	16:13
	MB 200-59271/4	waif10a.d	07/31/2013	17:27
4828	200-17720-8	waif31.d	08/01/2013	11:58
3230	200-17720-11	waif33.d	08/01/2013	14:03

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab File ID: bla001.D BFB Injection Date: 06/29/2013

Instrument ID: CHB.i BFB Injection Time: 10:27

Analysis Batch No.: 57960

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.2	
75	30.0 - 66.0% of mass 95	41.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	95.6	
175	4.0 - 9.0 % of mass 174	6.9	(7.2)1
176	93.0 - 101.0% of mass 174	93.2	(97.5)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
	IC 200-57960/4	bla004.D	06/29/2013	13:00
	IC 200-57960/5	bla005.D	06/29/2013	13:52
	IC 200-57960/6	bla006.D	06/29/2013	14:44
	IC 200-57960/7	bla007.D	06/29/2013	15:36
	ICIS 200-57960/8	bla008.D	06/29/2013	16:28
	IC 200-57960/9	bla009.D	06/29/2013	17:20
	IC 200-57960/10	bla010.D	06/29/2013	18:12
	IC 200-57960/11	bla011.D	06/29/2013	19:05
	ICV 200-57960/14	bla014.D	06/29/2013	21:42

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab File ID: blax001.D BFB Injection Date: 08/12/2013

Instrument ID: CHB.i BFB Injection Time: 10:36

Analysis Batch No.: 59648

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.9	
75	30.0 - 66.0% of mass 95	41.7	
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	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	93.3	
175	4.0 - 9.0 % of mass 174	6.7	(7.2)1
176	93.0 - 101.0% of mass 174	91.3	(97.8)1
177	5.0 - 9.0% of mass 176	6.0	(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 200-59648/2	blax002.D	08/12/2013	11:22
	LCS 200-59648/3	blax003.D	08/12/2013	12:14
	MB 200-59648/4	blax004.D	08/12/2013	13:06
4126	200-17876-11	blax008.D	08/12/2013	16:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab File ID: gih01.d BFB Injection Date: 08/07/2013

Instrument ID: G.i BFB Injection Time: 07:31

Analysis Batch No.: 59589

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	43.7	
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	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	87.9	
175	4.0 - 9.0 % of mass 174	5.9	(6.7)1
176	93.0 - 101.0% of mass 174	85.3	(97.1)1
177	5.0 - 9.0% of mass 176	5.5	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-59589/4	gih04.d	08/07/2013	09:52
	IC 200-59589/6	gih06.d	08/07/2013	11:26
	IC 200-59589/7	gih07.d	08/07/2013	12:13
	ICIS 200-59589/8	gih08.d	08/07/2013	13:00
	IC 200-59589/9	gih09.d	08/07/2013	13:47
	IC 200-59589/10	gih10.d	08/07/2013	14:33
	IC 200-59589/11	gih11.d	08/07/2013	15:20
	IC 200-59589/15	gih15.d	08/07/2013	18:29
	ICV 200-59589/18	gih18.d	08/07/2013	20:50

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab File ID: gihe01.d BFB Injection Date: 08/14/2013

Instrument ID: G.i BFB Injection Time: 11:29

Analysis Batch No.: 59994

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	44.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	81.4	
175	4.0 - 9.0 % of mass 174	5.4	(6.7)1
176	93.0 - 101.0% of mass 174	78.7	(96.7)1
177	5.0 - 9.0% of mass 176	5.3	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-59994/2	gihe02.d	08/14/2013	12:15
	LCS 200-59994/3	gihe03.d	08/14/2013	13:02
	MB 200-59994/4	gihe04.d	08/14/2013	13:49
4793	200-17928-6	gihe18.d	08/15/2013	09:05

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Sample No.: ICIS 200-57960/8 Date Analyzed: 06/29/2013 16:28

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): bla008.D Heated Purge: (Y/N) N

Calibration ID: 22380

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		445588	9.07	2195740	10.49	1921043	14.62
UPPER LIMIT		623823	9.40	3074036	10.82	2689460	14.95
LOWER LIMIT		267353	8.74	1317444	10.16	1152626	14.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-57960/14		428800	9.08	2129974	10.49	1779548	14.62

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Sample No.: CCVIS 200-59280/2 Date Analyzed: 08/02/2013 10:15

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): blar002.D Heated Purge: (Y/N) N

Calibration ID: 22380

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		377944	9.07	1816830	10.49	1474108	14.62
UPPER LIMIT		529122	9.40	2543562	10.82	2063751	14.95
LOWER LIMIT		226766	8.74	1090098	10.16	884465	14.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-59280/3		428470	9.08	2102981	10.49	1846417	14.62
MB 200-59280/4		424456	9.09	2105046	10.50	1756064	14.62
200-17720-1	2533	403716	9.08	2000617	10.49	1692387	14.62
200-17720-2	4236	403785	9.07	1994178	10.48	1674001	14.61
200-17720-3	2547	397509	9.07	1965581	10.49	1636248	14.61
200-17720-4	4924	402640	9.07	1981829	10.49	1665096	14.62
200-17720-6	5085	396698	9.07	1950835	10.49	1646687	14.62
200-17720-7	2973	396850	9.07	1948269	10.49	1657318	14.61
200-17720-9	3074	392664	9.07	1933023	10.49	1635036	14.61
200-17720-10	4357	389561	9.07	1926452	10.49	1620020	14.62
200-17720-12	2612	391319	9.07	1931041	10.49	1638153	14.62

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Sample No.: ICIS 200-58867/7 Date Analyzed: 07/23/2013 14:29

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wai07.d Heated Purge: (Y/N) N

Calibration ID: 22611

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		586182	12.90	2832533	14.82	2638124	20.57
UPPER LIMIT		820655	13.23	3965546	15.15	3693374	20.90
LOWER LIMIT		351709	12.57	1699520	14.49	1582874	20.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-58867/13		617661	12.90	3025271	14.82	2788553	20.57

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Sample No.: CCVIS 200-59271/2 Date Analyzed: 07/31/2013 15:05

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): waif08.d Heated Purge: (Y/N) N

Calibration ID: 22611

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		497585	12.89	2404446	14.82	2256040	20.57
UPPER LIMIT		696619	13.22	3366224	15.15	3158456	20.90
LOWER LIMIT		298551	12.56	1442668	14.49	1353624	20.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-59271/3		476929	12.89	2318019	14.82	2155498	20.57
MB 200-59271/4		461117	12.89	2292228	14.82	2062014	20.57
200-17720-8	4828	428979	12.89	2148735	14.81	1954602	20.57
200-17720-11	3230	431493	12.89	2145736	14.82	1928264	20.57

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Sample No.: ICIS 200-57960/8 Date Analyzed: 06/29/2013 16:28

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): bla008.D Heated Purge: (Y/N) N

Calibration ID: 22380

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		445588	9.07	2195740	10.49	1921043	14.62
UPPER LIMIT		623823	9.40	3074036	10.82	2689460	14.95
LOWER LIMIT		267353	8.74	1317444	10.16	1152626	14.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-57960/14		428800	9.08	2129974	10.49	1779548	14.62

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Sample No.: CCVIS 200-59648/2 Date Analyzed: 08/12/2013 11:22

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): blax002.D Heated Purge: (Y/N) N

Calibration ID: 22380

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		408193	9.08	2011841	10.49	1745557	14.62
UPPER LIMIT		571470	9.41	2816577	10.82	2443780	14.95
LOWER LIMIT		244916	8.75	1207105	10.16	1047334	14.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-59648/3		413864	9.08	2040106	10.49	1753284	14.62
MB 200-59648/4		403781	9.07	2020237	10.48	1586302	14.61
200-17876-11	4126	397724	9.07	1952053	10.48	1606122	14.61

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Sample No.: ICIS 200-59589/8 Date Analyzed: 08/07/2013 13:00

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gih08.d Heated Purge: (Y/N) N

Calibration ID: 22894

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		656157	10.76	3371472	12.83	3209602	19.00
UPPER LIMIT		918620	11.09	4720061	13.16	4493443	19.33
LOWER LIMIT		393694	10.43	2022883	12.50	1925761	18.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-59589/18		657431	10.76	3445185	12.83	3290281	19.00

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Sample No.: CCVIS 200-59994/2 Date Analyzed: 08/14/2013 12:15

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gihe02.d Heated Purge: (Y/N) N

Calibration ID: 22894

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		482655	10.75	2249797	12.82	2022019	18.99
UPPER LIMIT		675717	11.08	3149716	13.15	2830827	19.32
LOWER LIMIT		289593	10.42	1349878	12.49	1213211	18.66
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-59994/3		502249	10.75	2389581	12.83	2241487	18.99
MB 200-59994/4		525494	10.75	2616529	12.82	2219418	18.99
200-17928-6	4793	344105	10.74	1949164	12.82	1806246	18.98

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2533 Lab Sample ID: 200-17720-1

Matrix: Air Lab File ID: blar008.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 15:56

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2533 Lab Sample ID: 200-17720-1

Matrix: Air Lab File ID: blar008.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 15:56

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2533 Lab Sample ID: 200-17720-1

Matrix: Air Lab File ID: blar008.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 15:56

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar008.D		
Lims ID:	200-17720-A-1	Client ID:	2533
Inject. Date:	02-Aug-2013 15:56:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-008		
Misc. Info.:	200-17720-A-1		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	7
Lims Batch ID:	59280	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 08:59:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.076	9.071	0.005	81	403716	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	2000617	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1692387	10.0	
$ 5 BFB								1
10 Propene	41	2.971	2.970	0.001	67	1103	0.0741	
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43		3.445					19
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.959	5.900	0.059	54	5334	0.1249	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.696	6.680	0.016	42	2064	0.0654	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					19
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

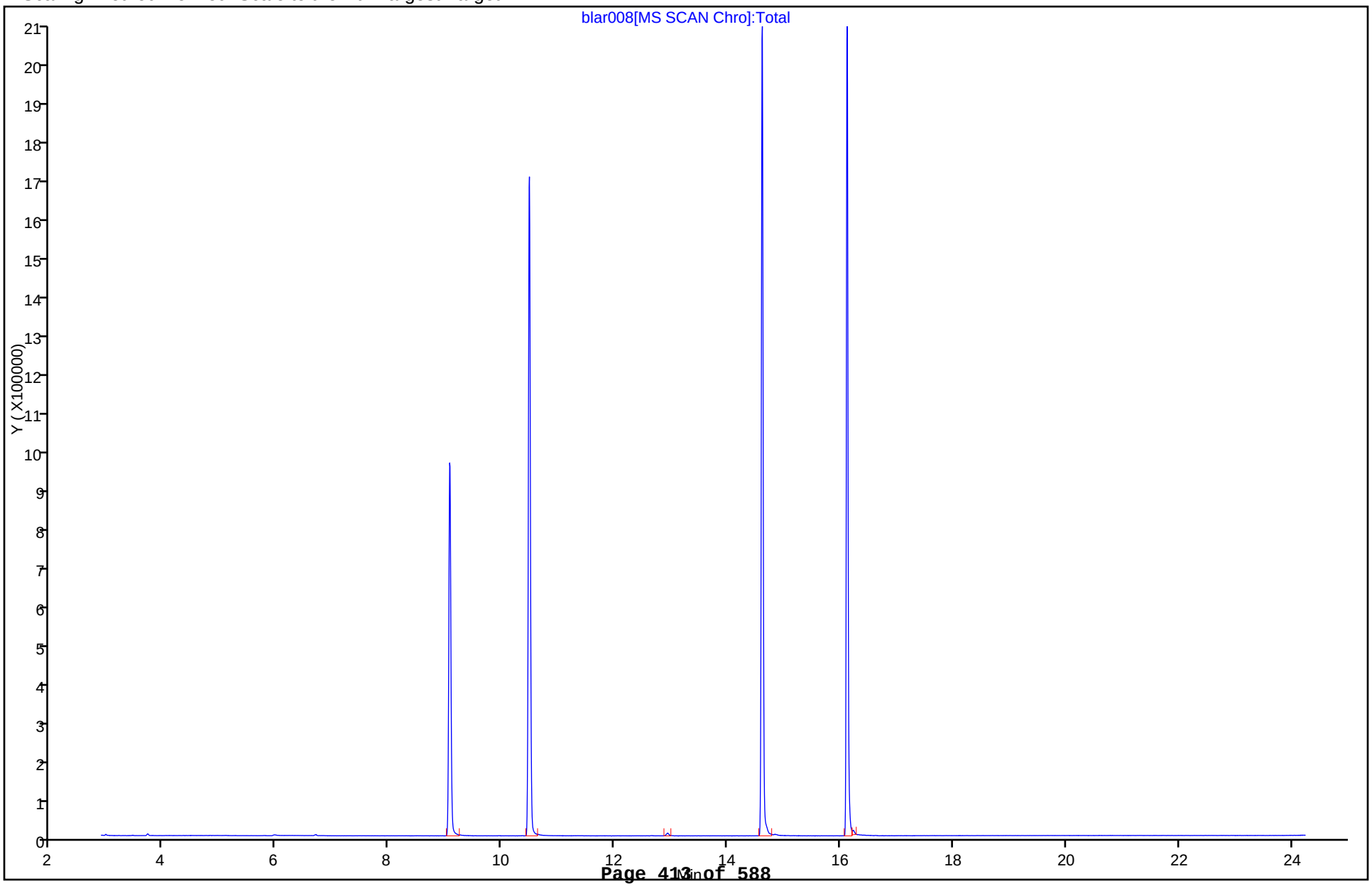
Report Date: 05-Aug-2013 09:05:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar008.D

Injection Date:	02-Aug-2013 15:56:30	Limit Group:	AI_TO15_Limits
Client ID:	2533	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	8
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4236 Lab Sample ID: 200-17720-2

Matrix: Air Lab File ID: blar009.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 16:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4236 Lab Sample ID: 200-17720-2

Matrix: Air Lab File ID: blar009.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 16:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4236 Lab Sample ID: 200-17720-2

Matrix: Air Lab File ID: blar009.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 16:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar009.D		
Lims ID:	200-17720-A-2	Client ID:	4236
Inject. Date:	02-Aug-2013 16:55:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-009		
Misc. Info.:	200-17720-A-2		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	8
Lims Batch ID:	59280	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 08:59:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	83	403785	10.0	
* 3 1,4-Difluorobenzene	114	10.480	10.485	-0.005	93	1994178	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	82	1674001	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43		3.445					19
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.959	5.900	0.059	52	4484	0.1050	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76	6.162	6.151	0.011	81	4225	0.0424	
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.690	6.680	0.010	39	2120	0.0671	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

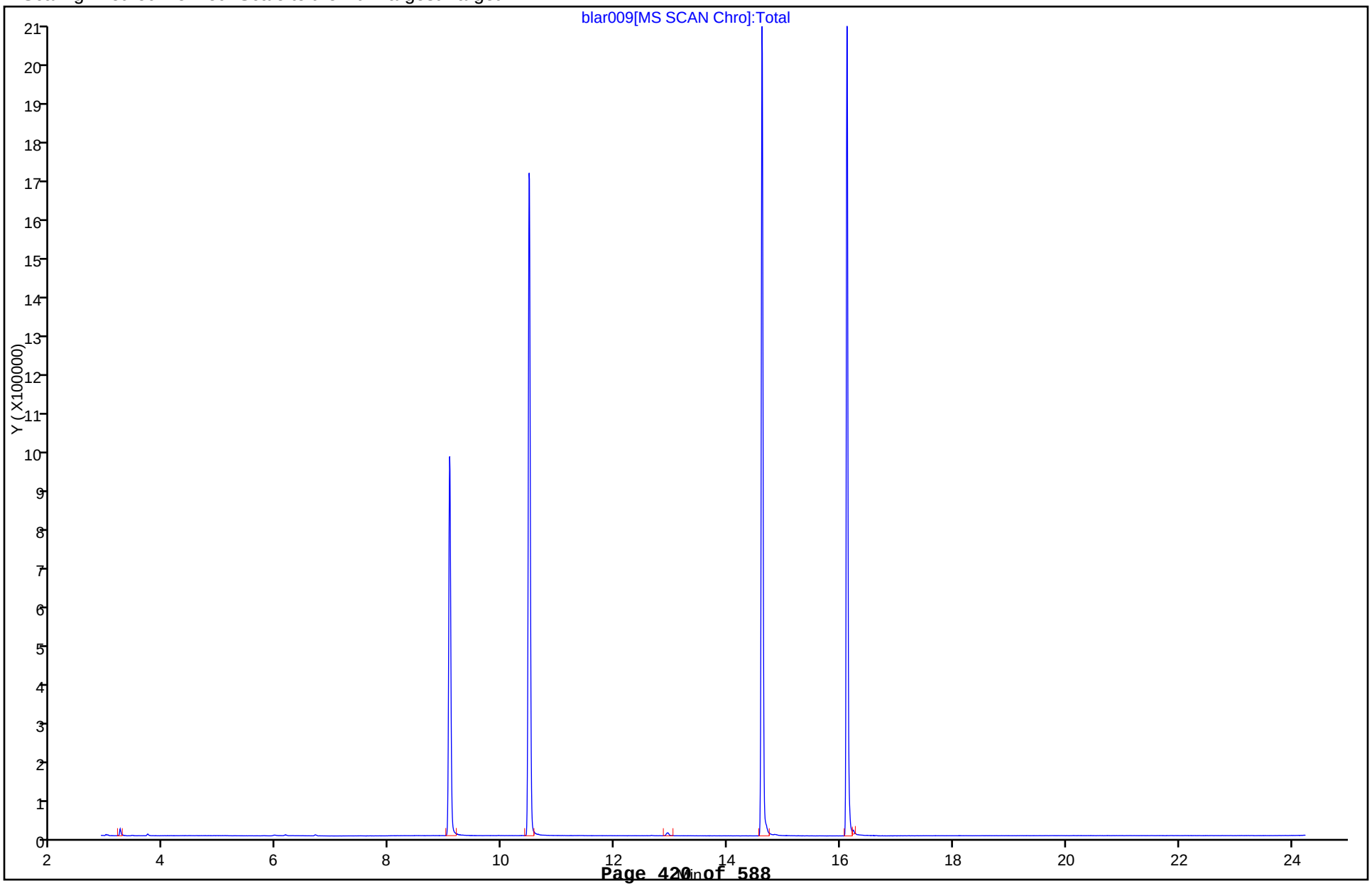
Report Date: 05-Aug-2013 09:05:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar009.D

Injection Date:	02-Aug-2013 16:55:30	Limit Group:	AI_TO15_Limits
Client ID:	4236	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	9
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2547 Lab Sample ID: 200-17720-3

Matrix: Air Lab File ID: blar010.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 17:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2547 | Lab Sample ID: 200-17720-3

Matrix: Air | Lab File ID: blar010.D

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/02/2013 17:54

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59280 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2547 Lab Sample ID: 200-17720-3

Matrix: Air Lab File ID: blar010.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 17:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar010.D		
Lims ID:	200-17720-A-3	Client ID:	2547
Inject. Date:	02-Aug-2013 17:54:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-010		
Misc. Info.:	200-17720-A-3		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	9
Lims Batch ID:	59280	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 08:59:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	397509	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1965581	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	82	1636248	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43	3.456	3.445	0.011	61	2611	0.0879	
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.954	5.900	0.054	57	4294	0.1021	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.685	6.680	0.005	48	2374	0.0764	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

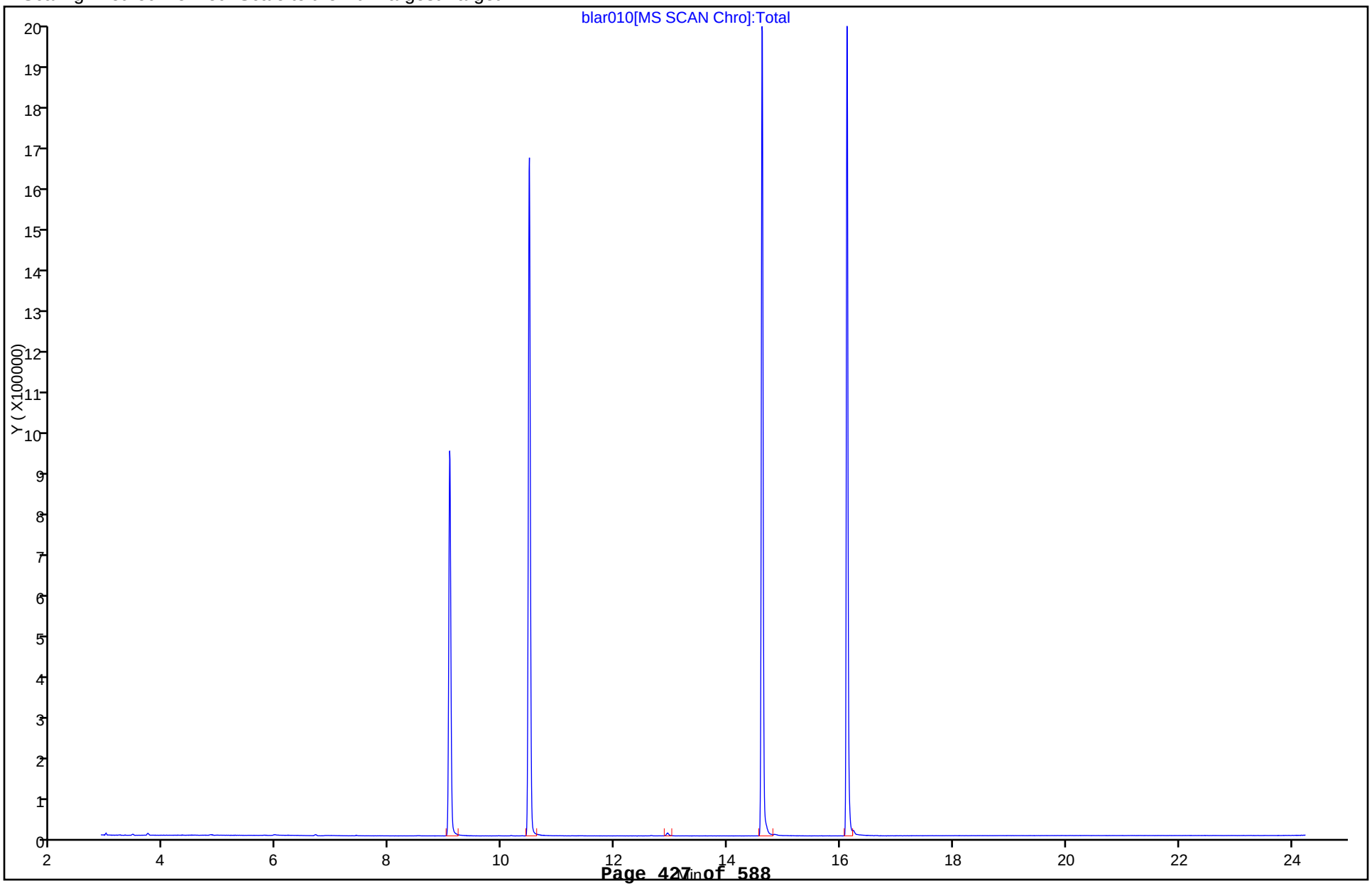
Report Date: 05-Aug-2013 09:05:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar010.D

Injection Date:	02-Aug-2013 17:54:30	Limit Group:	AI_TO15_Limits
Client ID:	2547	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	10
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4924 Lab Sample ID: 200-17720-4

Matrix: Air Lab File ID: blar011.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 18:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4924 Lab Sample ID: 200-17720-4

Matrix: Air Lab File ID: blar011.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 18:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4924 Lab Sample ID: 200-17720-4

Matrix: Air Lab File ID: blar011.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 18:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar011.D		
Lims ID:	200-17720-A-4	Client ID:	4924
Inject. Date:	02-Aug-2013 18:54:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-011		
Misc. Info.:	200-17720-A-4		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	10
Lims Batch ID:	59280	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:01:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	402640	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1981829	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1665096	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50	3.312	3.307	0.005	69	3926	0.2196	
19 Butane	43		3.445					2
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.943	5.900	0.043	66	20556	0.4826	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76	6.162	6.151	0.011	62	1874	0.0189	
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.696	6.680	0.016	44	2141	0.0680	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					19
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92	12.662	12.615	0.042	12	1144	0.0139	
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

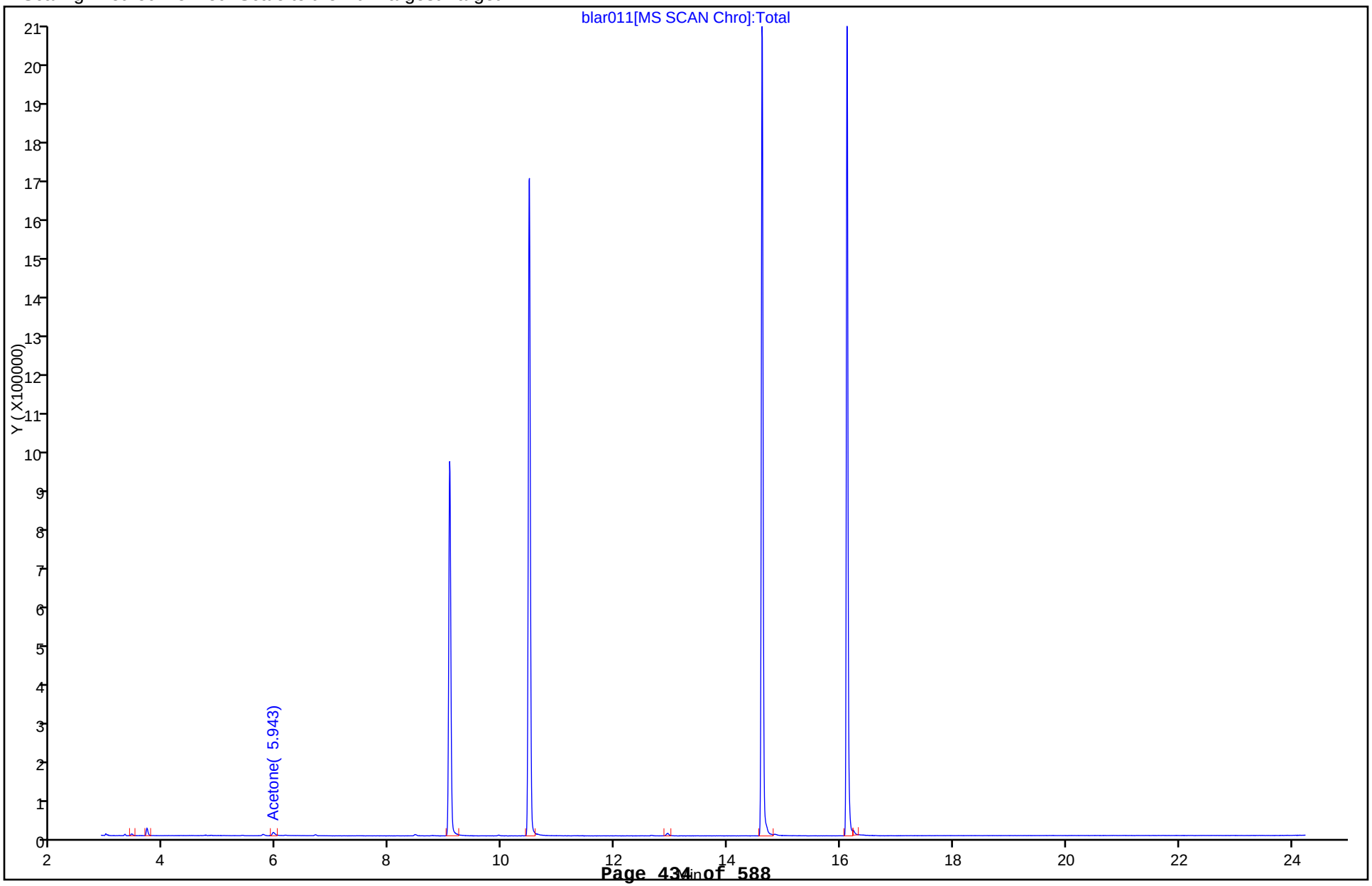
Report Date: 05-Aug-2013 09:05:48 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar011.D

Injection Date:	02-Aug-2013 18:54:30	Limit Group:	AI_TO15_Limits
Client ID:	4924	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	11
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 5085 Lab Sample ID: 200-17720-6

Matrix: Air Lab File ID: blar012.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 19:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.47		0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 5085 Lab Sample ID: 200-17720-6

Matrix: Air Lab File ID: blar012.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 19:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 5085 Lab Sample ID: 200-17720-6

Matrix: Air Lab File ID: blar012.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 19:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar012.D		
Lims ID:	200-17720-A-6	Client ID:	5085
Inject. Date:	02-Aug-2013 19:53:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-012		
Misc. Info.:	200-17720-A-6		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	11
Lims Batch ID:	59280	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:01:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.070	9.071	-0.001	81	396698	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1950835	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1646687	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50	3.307	3.307	0.0	89	41622	2.36	
19 Butane	43		3.445					29
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					19
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43		5.900					2
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76	6.162	6.151	0.011	65	3297	0.0337	
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.690	6.680	0.010	55	2726	0.0879	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					19
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

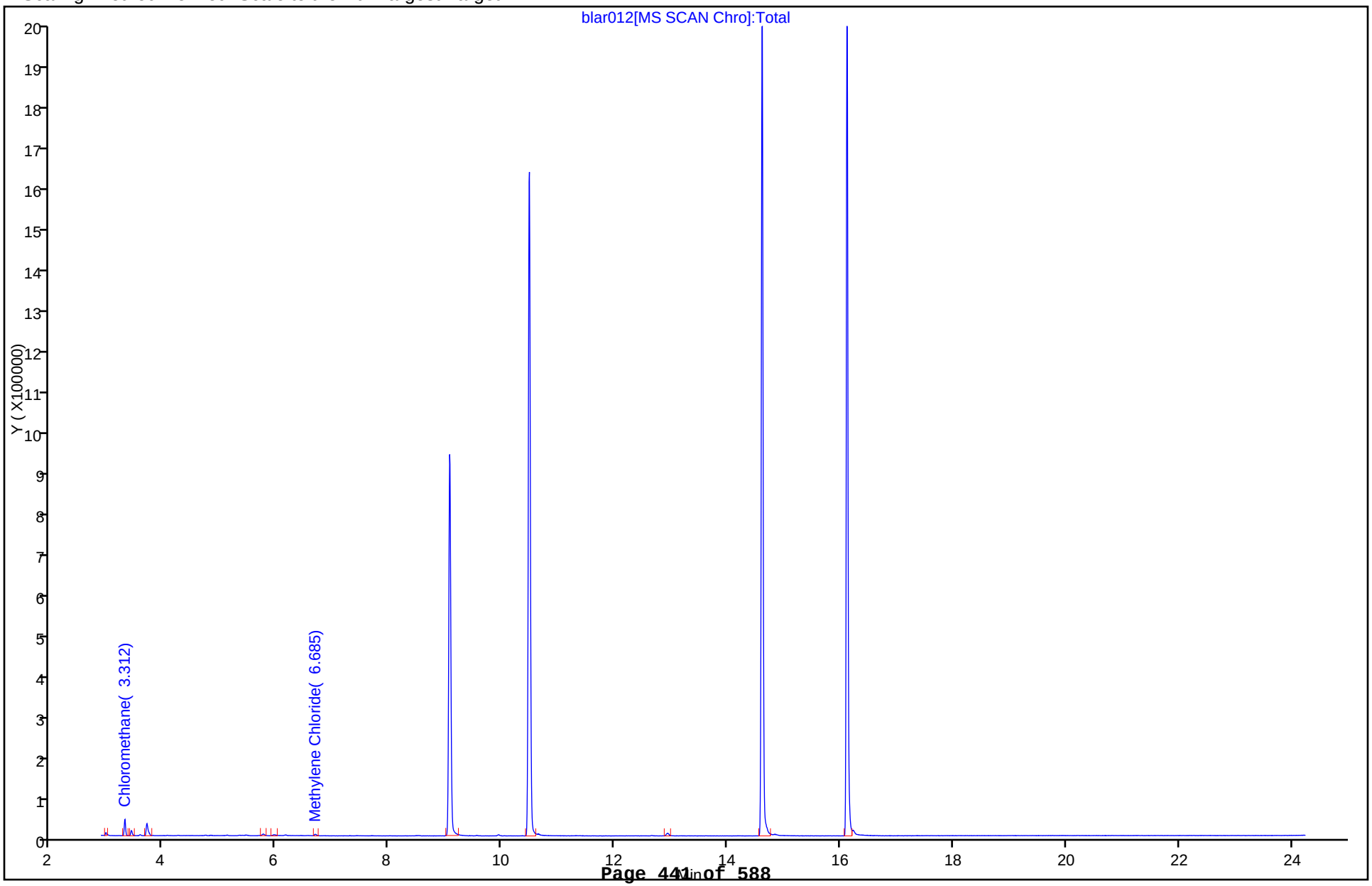
Report Date: 05-Aug-2013 09:05:48 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar012.D

Injection Date:	02-Aug-2013 19:53:30	Limit Group:	AI_TO15_Limits
Client ID:	5085	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	12
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



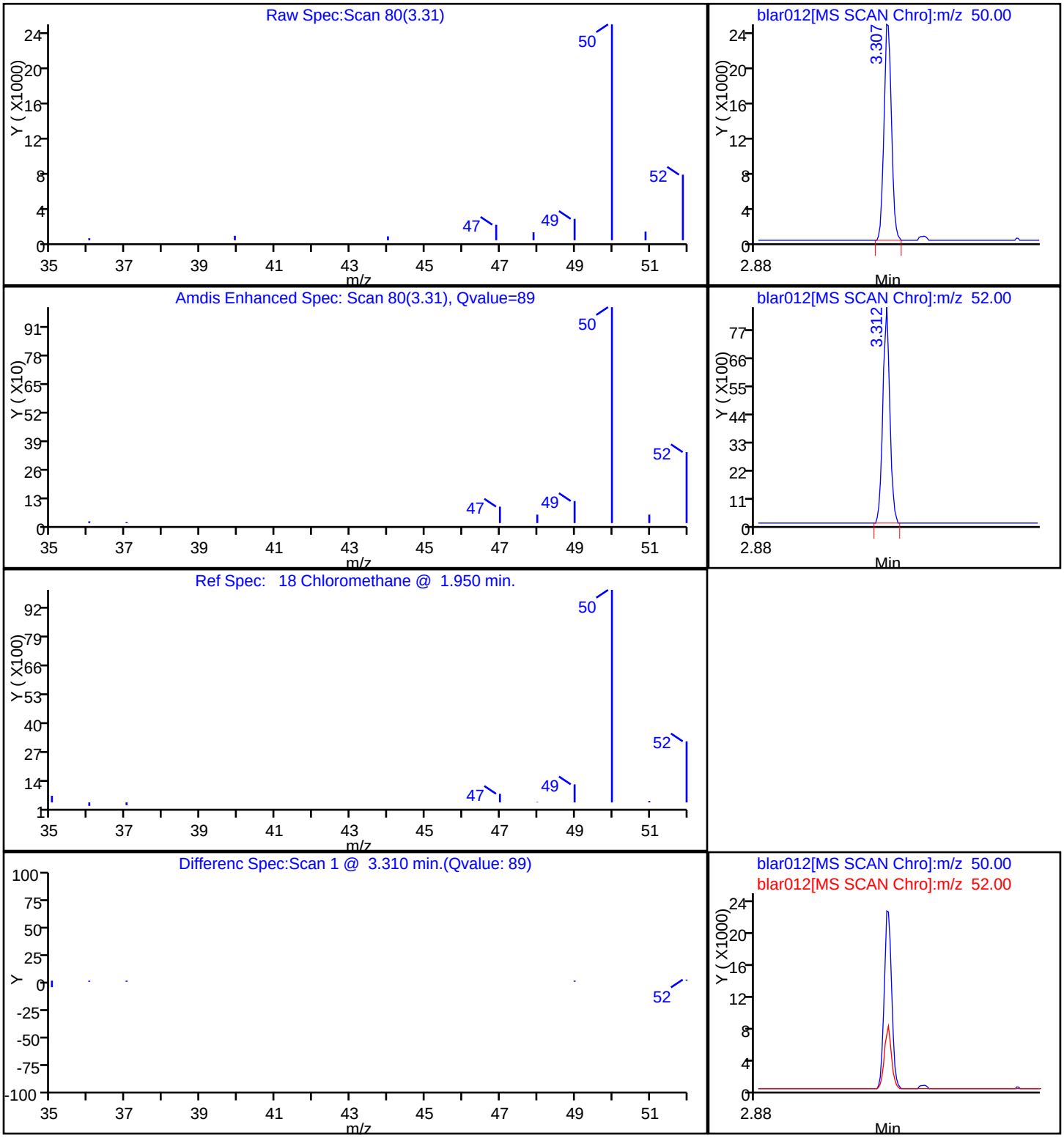
Report Date: 05-Aug-2013 09:05:48 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar012.D

Injection Date:	02-Aug-2013 19:53:30	Limit Group:	AI_TO15_Limits
Client ID:	5085	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	12
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

18 Chloromethane



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2973 Lab Sample ID: 200-17720-7

Matrix: Air Lab File ID: blar013.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 20:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.13		0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.055		0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2973 | Lab Sample ID: 200-17720-7

Matrix: Air | Lab File ID: blar013.D

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/02/2013 20:53

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59280 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.092		0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2973 Lab Sample ID: 200-17720-7

Matrix: Air Lab File ID: blar013.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 20:53

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar013.D		
Lims ID:	200-17720-A-7	Client ID:	2973
Inject. Date:	02-Aug-2013 20:53:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-013		
Misc. Info.:	200-17720-A-7		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	12
Lims Batch ID:	59280	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:02:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	396850	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1948269	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	81	1657318	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50	3.312	3.307	0.005	83	11680	0.6627	
19 Butane	43	3.451	3.445	0.006	65	2292	0.0773	
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.964	5.900	0.064	55	5986	0.1426	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.696	6.680	0.016	45	2194	0.0707	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					19
54 Carbon tetrachloride	117	9.599	9.604	-0.005	83	20539	0.2737	
55 Isooctane	57		9.892					
56 Benzene	78		9.924					19
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95	10.853	10.842	0.011	48	3943	0.0813	
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92	12.641	12.615	0.021	18	1210	0.0147	
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166	13.393	13.383	0.005	90	35867	0.4604	
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					19
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

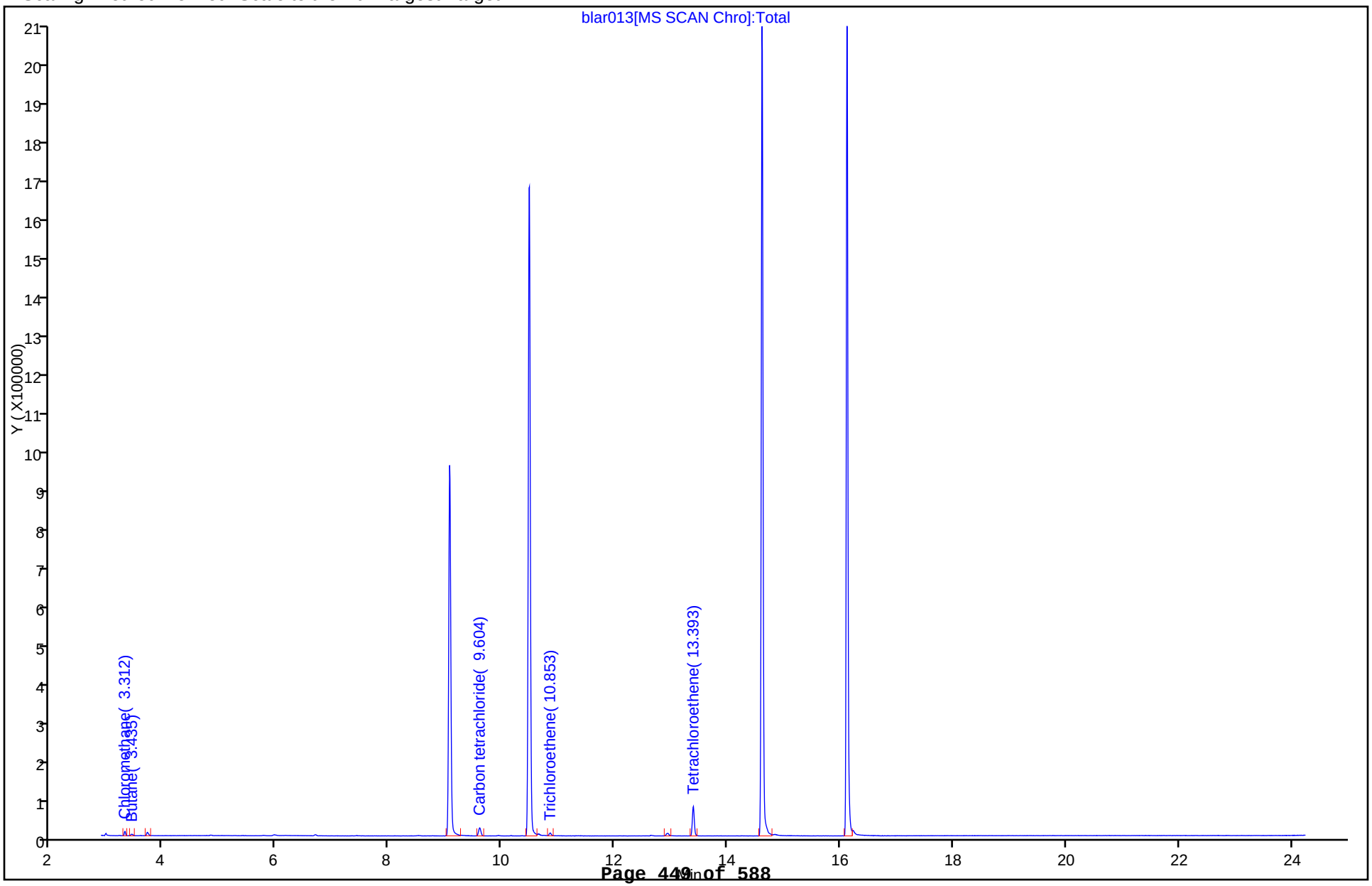
Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar013.D

Injection Date:	02-Aug-2013 20:53:30	Limit Group:	AI_TO15_Limits
Client ID:	2973	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	13
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



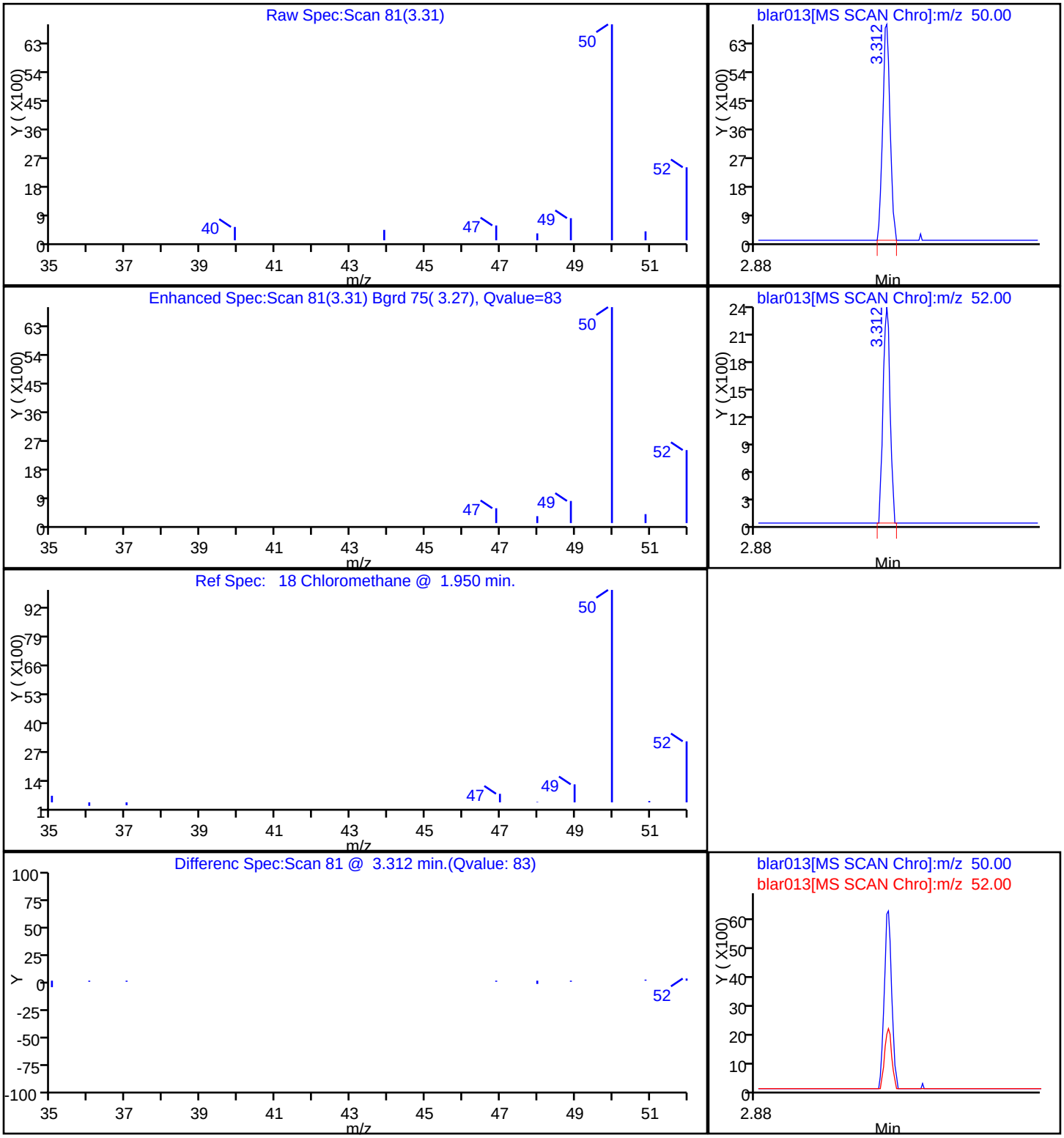
Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar013.D

Injection Date:	02-Aug-2013 20:53:30	Limit Group:	AI_TO15_Limits
Client ID:	2973	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	13
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

18 Chloromethane



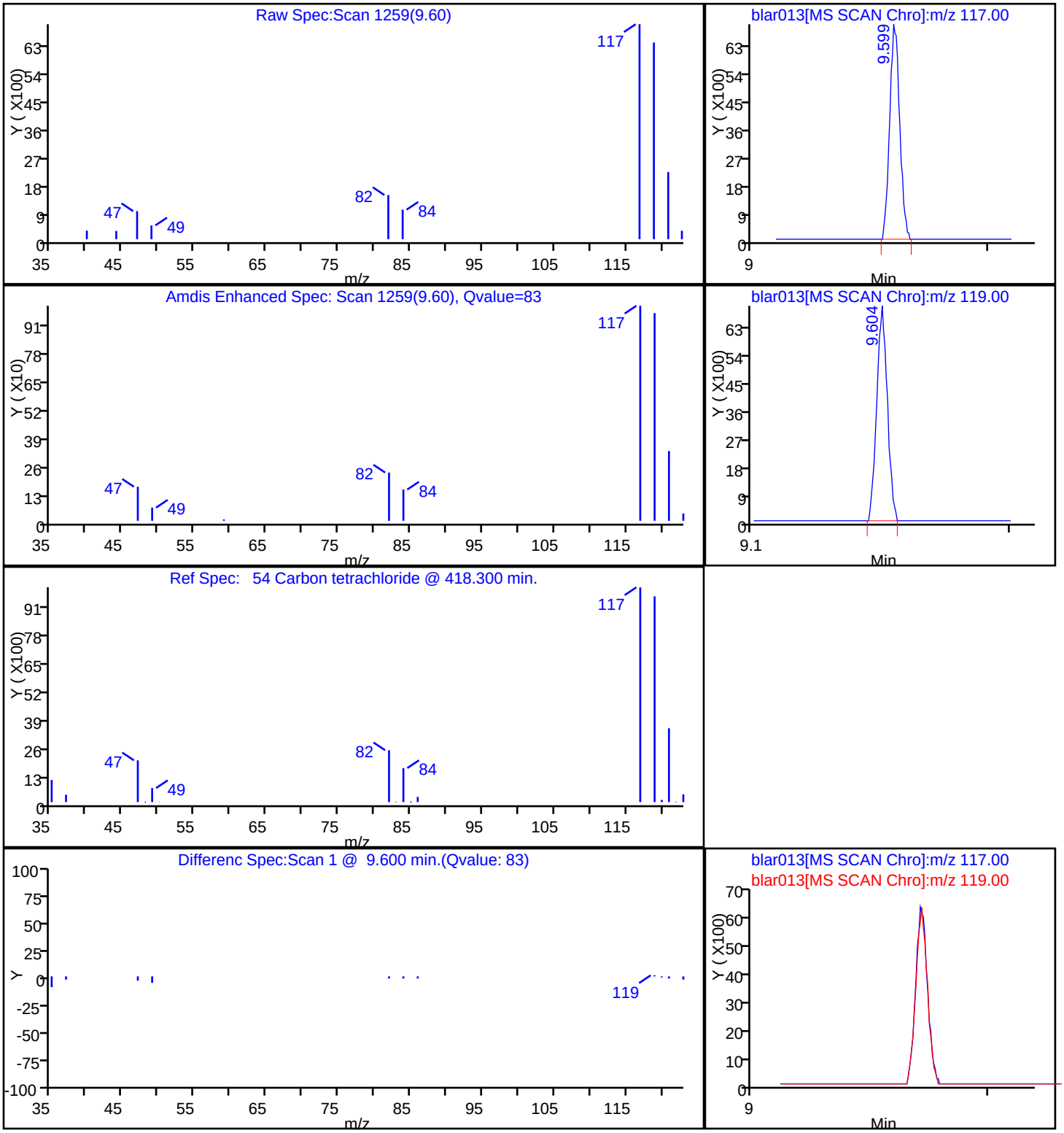
Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar013.D

Injection Date:	02-Aug-2013 20:53:30	Limit Group:	AI_TO15_Limits
Client ID:	2973	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	13
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

54 Carbon tetrachloride



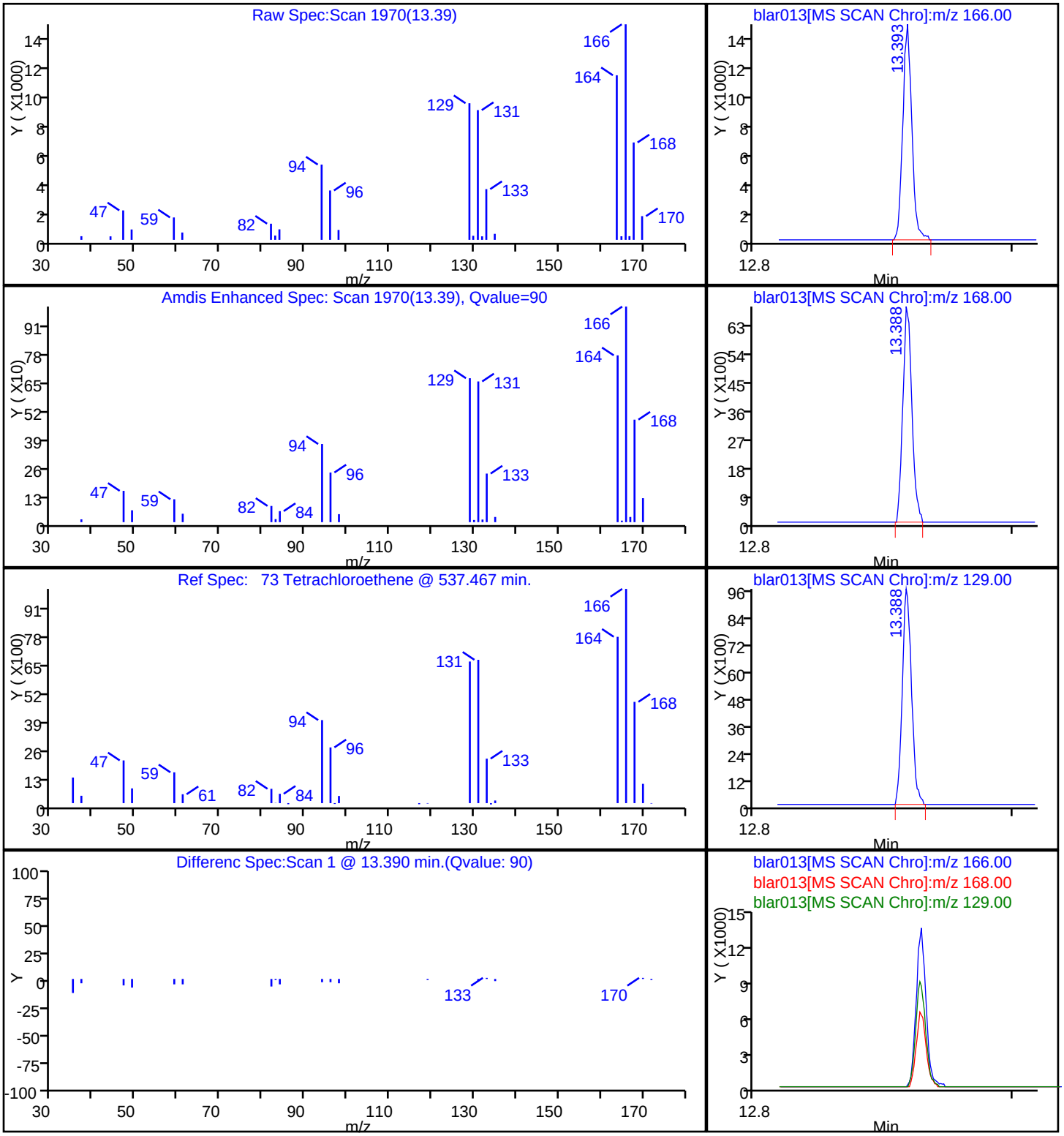
Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar013.D

Injection Date:	02-Aug-2013 20:53:30	Limit Group:	AI_TO15_Limits
Client ID:	2973	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	13
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

73 Tetrachloroethene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4828 | Lab Sample ID: 200-17720-8

Matrix: Air | Lab File ID: waif31.d

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2013 11:58

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59271 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4828 Lab Sample ID: 200-17720-8

Matrix: Air Lab File ID: waif31.d

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/01/2013 11:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4828 Lab Sample ID: 200-17720-8

Matrix: Air Lab File ID: waif31.d

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/01/2013 11:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17720-8
Client Smp ID: 4828
Inj Date : 01-AUG-2013 11:58
Operator : pad Inst ID: W.i
Smp Info : 200-17720-A-8
Misc Info : 1000,0.2, all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/waifto15.b/to15v5.m
Meth Date : 31-Jul-2013 15:34 pd Quant Type: ISTD
Cal Date : 23-JUL-2013 16:58 Cal File: wai10.d
Als bottle: 12
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	5.029	5.028	(0.390)	17447	0.33172	0.066(a)
6	Butane	43	5.301	5.296	(0.411)	3408	0.03698	0.0074(aM)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

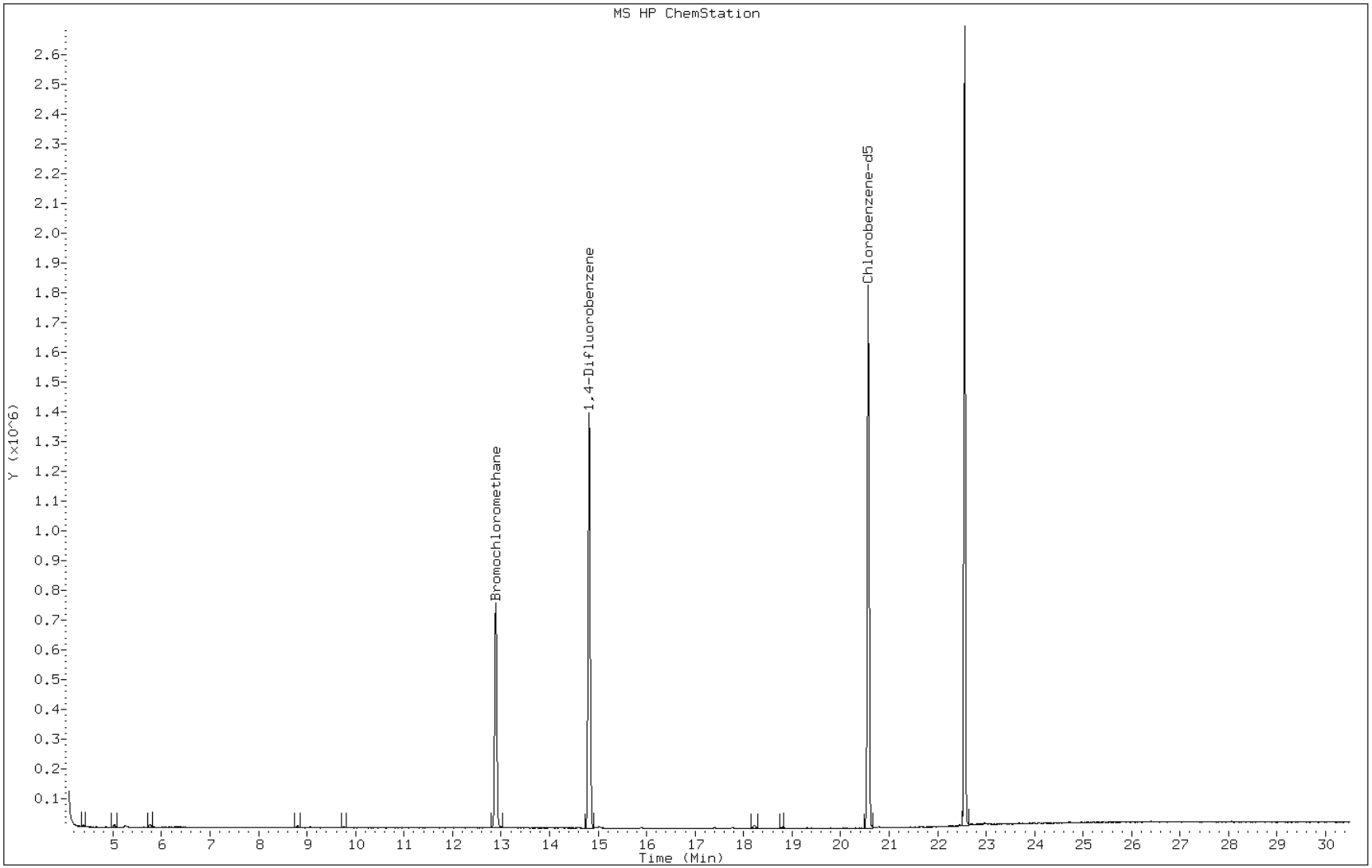
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.800	8.778	(0.683)	14057	0.17051	0.034(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.763	9.768	(0.757)	3059	0.04731	0.0095(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.893	12.898	(1.000)	428979	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	14.813	14.824	(1.000)	2148735	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.569	20.574	(1.000)	1954602	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	waif31.d	Date:	01-AUG-2013 11:58
Client ID:	4828	Instrument:	W.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17720-A-8		
Lab Sample ID:	200-17720-8		



Manual Integration Report

Data File: waif31.d
Lab Sample ID: 200-17720-8
Inj. Date and Time: 01-AUG-2013 11:58
Instrument ID: W.i
Client ID: 4828
Compound: 6 Butane
CAS #: 106-97-8
Report Date: 08/02/2013

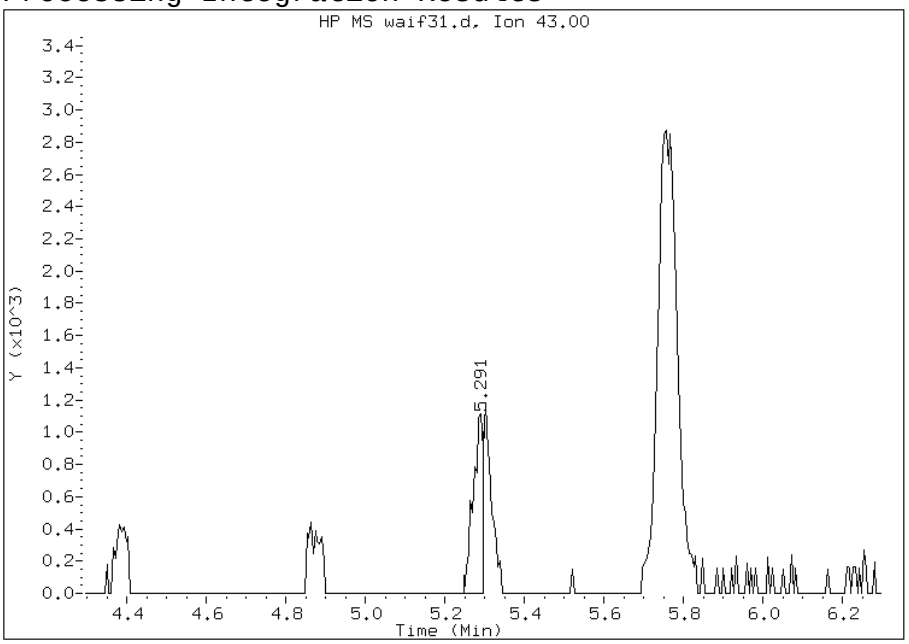
Processing Integration Results

RT: 5.29

Response: 1963

Amount: 0.021300

Conc: 0.004260



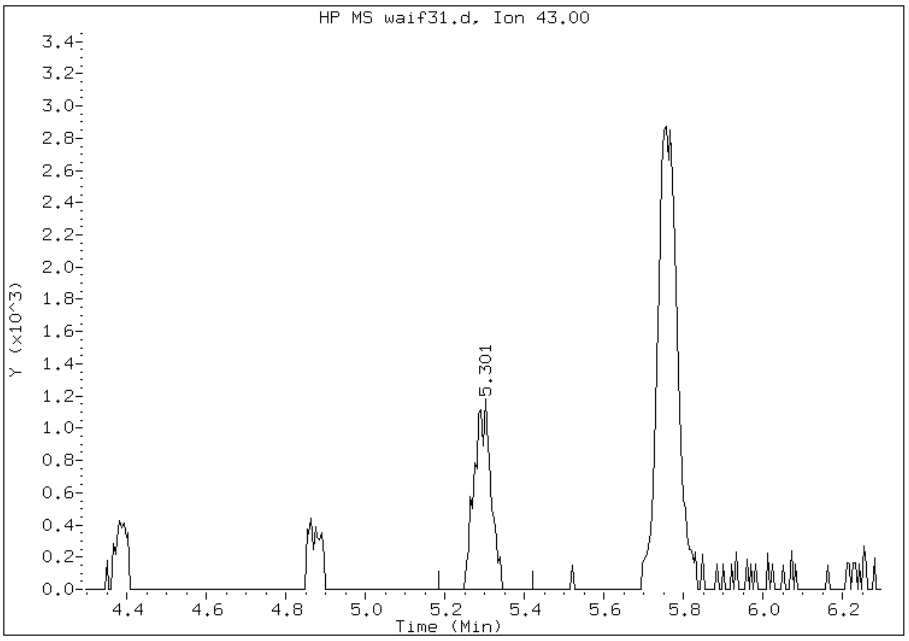
Manual Integration Results

RT: 5.30

Response: 3408

Amount: 0.036981

Conc: 0.007396



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.: 200-17720-1

SDG No.:

Client Sample ID: 3074 Lab Sample ID: 200-17720-9

Matrix: Air Lab File ID: blar014.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 21:52

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 3074 | Lab Sample ID: 200-17720-9

Matrix: Air | Lab File ID: blar014.D

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/02/2013 21:52

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59280 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 3074 Lab Sample ID: 200-17720-9

Matrix: Air Lab File ID: blar014.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 21:52

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar014.D		
Lims ID:	200-17720-A-9	Client ID:	3074
Inject. Date:	02-Aug-2013 21:52:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-014		
Misc. Info.:	200-17720-A-9		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	13
Lims Batch ID:	59280	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:02:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	392664	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1933023	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	81	1635036	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50	3.312	3.307	0.005	82	7076	0.4058	
19 Butane	43		3.445					2
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					19
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.932	5.900	0.032	67	17766	0.4277	
35 Isopropyl alcohol	45		6.141					19
34 Carbon disulfide	76	6.157	6.151	0.006	81	7981	0.0824	
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.696	6.680	0.016	52	2260	0.0736	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78	9.935	9.924	0.011	76	17832	0.1624	
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

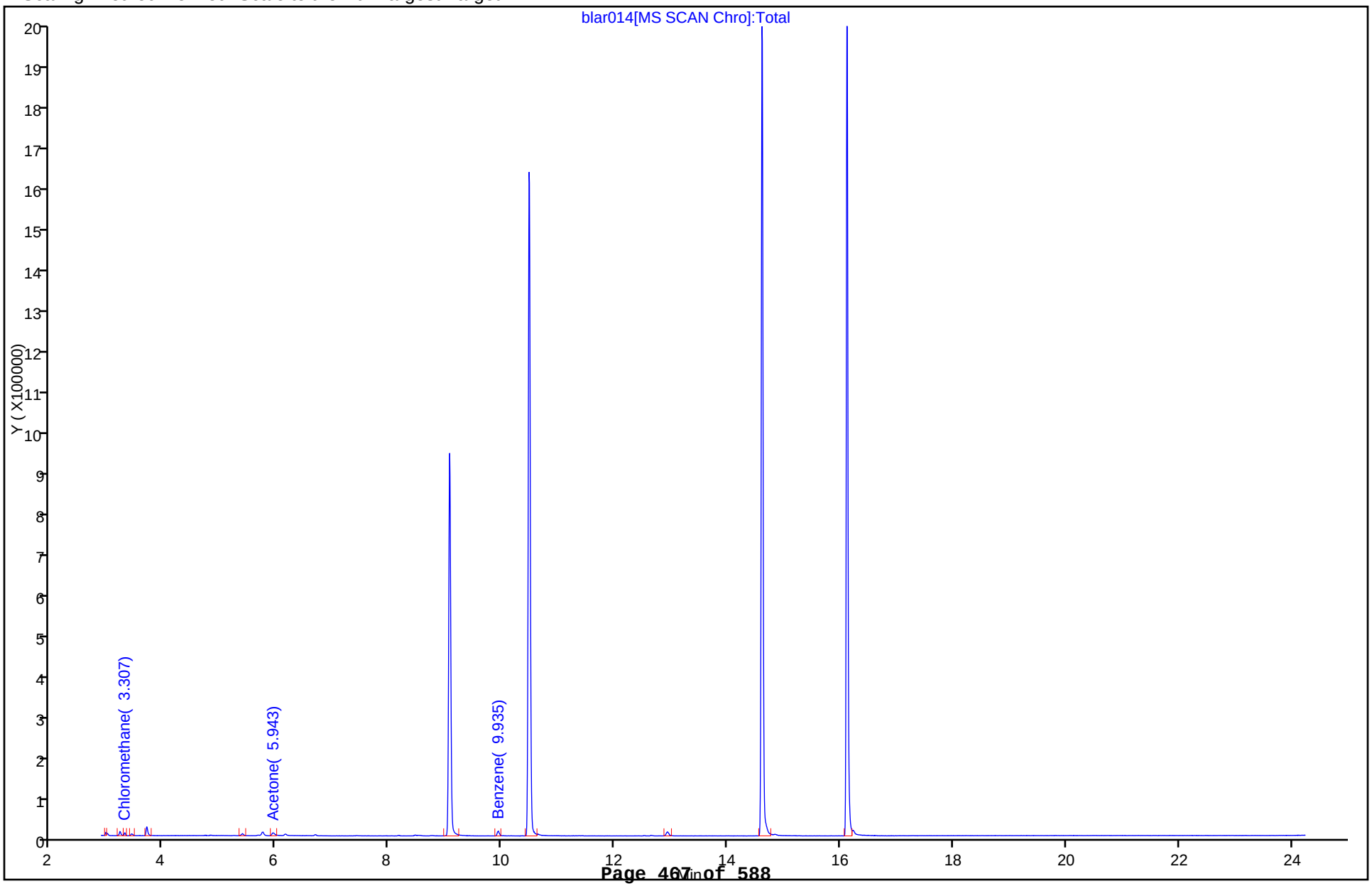
Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar014.D		
Injection Date:	02-Aug-2013 21:52:30	Limit Group:	AI_TO15_Limits
Client ID:	3074	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	14
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4357 Lab Sample ID: 200-17720-10

Matrix: Air Lab File ID: blar015.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 22:51

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4357 Lab Sample ID: 200-17720-10

Matrix: Air Lab File ID: blar015.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 22:51

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 4357 Lab Sample ID: 200-17720-10

Matrix: Air Lab File ID: blar015.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 22:51

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar015.D		
Lims ID:	200-17720-A-10	Client ID:	4357
Inject. Date:	02-Aug-2013 22:51:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-015		
Misc. Info.:	200-17720-A-10		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	14
Lims Batch ID:	59280	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:03:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	389561	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1926452	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1620020	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43		3.445					149
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.948	5.900	0.048	68	13840	0.3358	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.690	6.680	0.010	43	2050	0.0673	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					19
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

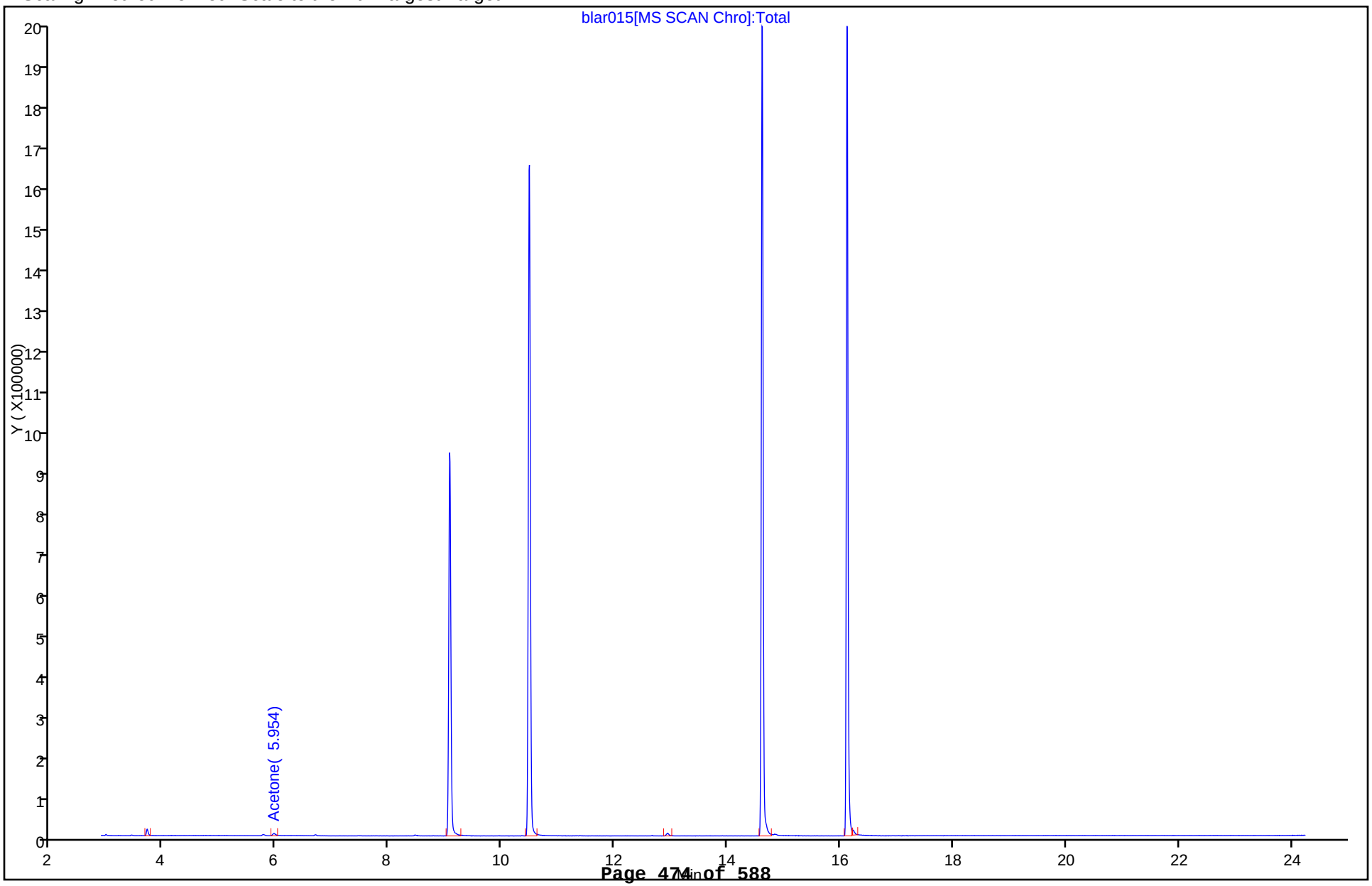
Report Date: 05-Aug-2013 09:05:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar015.D

Injection Date:	02-Aug-2013 22:51:30	Limit Group:	AI_TO15_Limits
Client ID:	4357	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	15
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 3230 | Lab Sample ID: 200-17720-11

Matrix: Air | Lab File ID: waif33.d

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2013 14:03

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59271 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 3230 | Lab Sample ID: 200-17720-11

Matrix: Air | Lab File ID: waif33.d

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/01/2013 14:03

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59271 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 3230 Lab Sample ID: 200-17720-11

Matrix: Air Lab File ID: waif33.d

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/01/2013 14:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59271 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17720-11
Client Smp ID: 3230
Inj Date : 01-AUG-2013 14:03
Operator : pad Inst ID: W.i
Smp Info : 200-17720-A-11
Misc Info : 1000,0.2, all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/waifto15.b/to15v5.m
Meth Date : 31-Jul-2013 15:34 pd Quant Type: ISTD
Cal Date : 23-JUL-2013 16:58 Cal File: wai10.d
Als bottle: 13
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	5.034	5.028	(0.390)	2290	0.04329	0.0087(a)
6 Butane	43	5.296	5.296	(0.411)	5461	0.05891	0.012(a)
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.					
15 Ethanol	45	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	8.800	8.778	(0.683)	31655	0.38173	0.076(a)
21	Carbon disulfide	76	Compound Not Detected.					
22	Isopropanol	45	Compound Not Detected.					
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	9.763	9.768	(0.757)	10812	0.16624	0.033(a)
26	Tert-butyl alcohol	59	9.945	9.934	(0.771)	8040	0.07175	0.014(a)
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.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	12.892	12.898	(1.000)	431493	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	14.818	14.824	(1.000)	2145736	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.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	20.569	20.574	(1.000)	1928264	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					

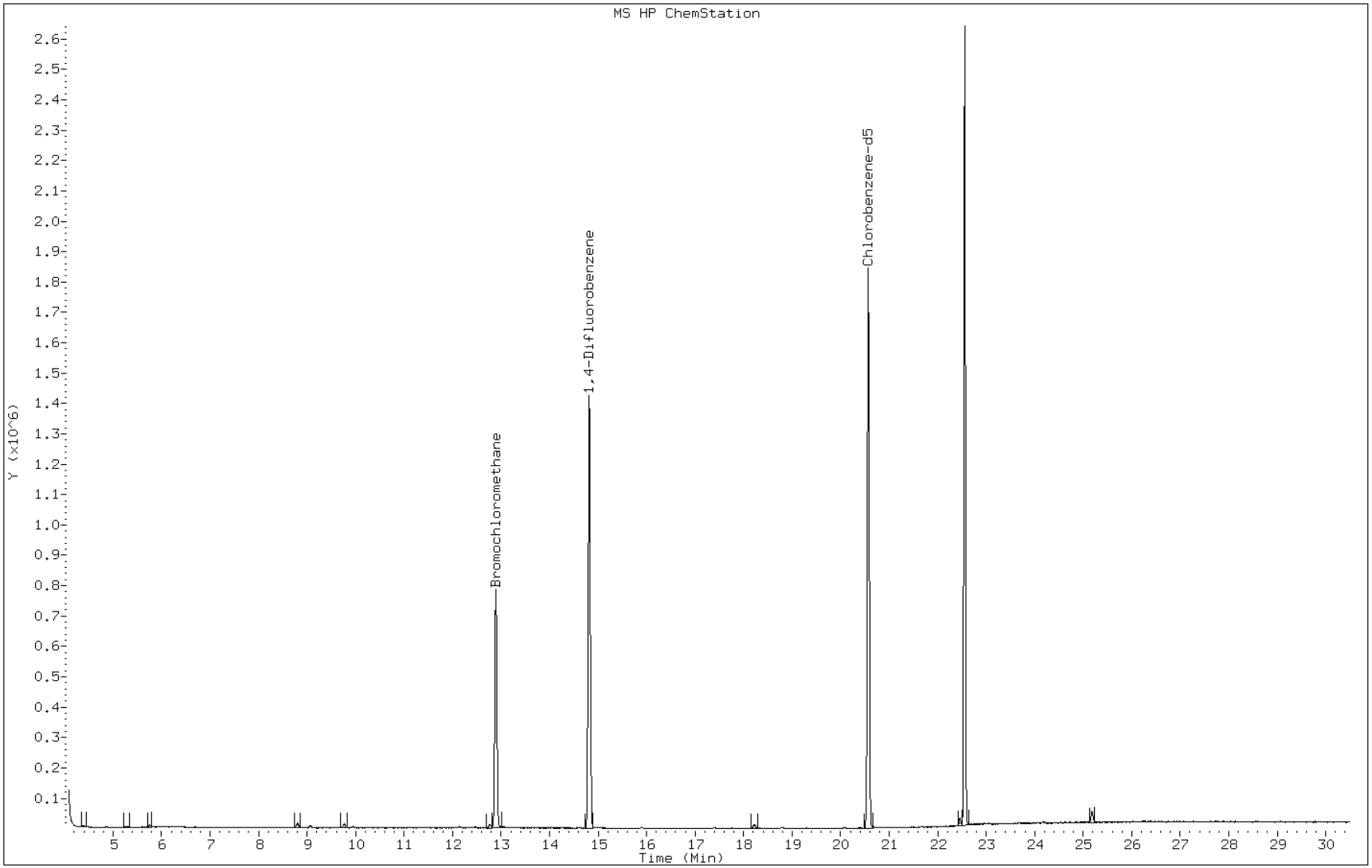
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: waif33.d
Client ID: 3230
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-17720-A-11
Lab Sample ID: 200-17720-11

Date: 01-AUG-2013 14:03
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2612 Lab Sample ID: 200-17720-12

Matrix: Air Lab File ID: blar016.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 23:50

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U *	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2612 | Lab Sample ID: 200-17720-12

Matrix: Air | Lab File ID: blar016.D

Analysis Method: TO-15 | Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/02/2013 23:50

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59280 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Client Sample ID: 2612 Lab Sample ID: 200-17720-12

Matrix: Air Lab File ID: blar016.D

Analysis Method: TO-15 Date Collected: 07/31/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/02/2013 23:50

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59280 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar016.D		
Lims ID:	200-17720-A-12	Client ID:	2612
Inject. Date:	02-Aug-2013 23:50:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0003989-016		
Misc. Info.:	200-17720-A-12		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	15
Lims Batch ID:	59280	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130802-3989.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	05-Aug-2013 09:05:44	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK021		
First Level Reviewer: lyonsb		Date:	05-Aug-2013 09:03:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.070	9.071	-0.001	81	391319	10.0	
* 3 1,4-Difluorobenzene	114	10.485	10.485	0.0	93	1931041	10.0	
* 4 Chlorobenzene-d5	117	14.616	14.616	0.0	81	1638153	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43	3.451	3.445	0.006	83	3741	0.1279	
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43		5.900					2
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					19
38 Methylene Chloride	49	6.696	6.680	0.016	48	2193	0.0717	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57	7.416	7.411	0.005	52	1787	0.0339	
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57	9.898	9.892	0.006	61	4022	0.0247	
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					19
60 Trichloroethene	95		10.842					19
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					19
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					19
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					19
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

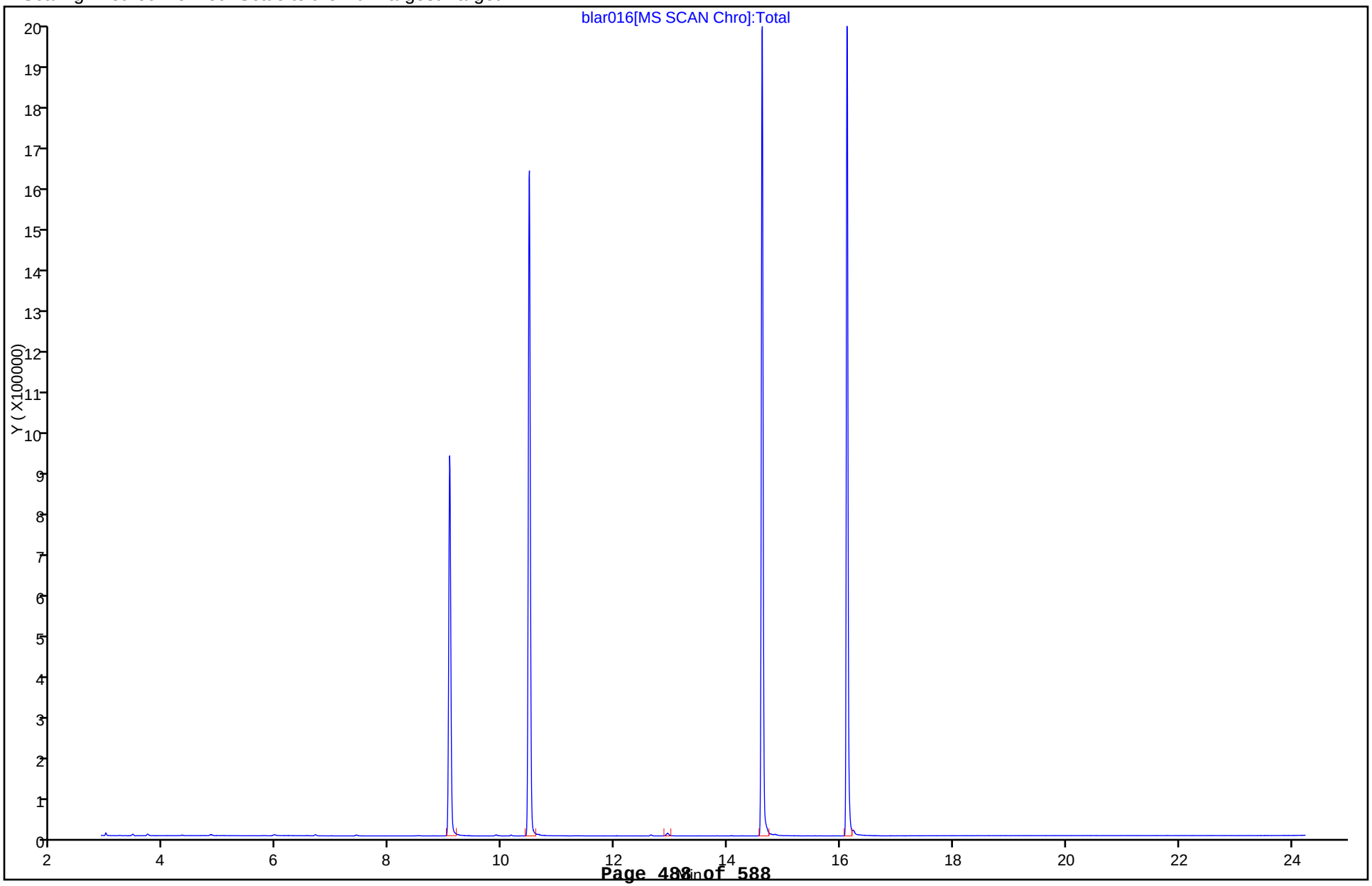
Report Date: 05-Aug-2013 09:05:50 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b\blar016.D

Injection Date:	02-Aug-2013 23:50:30	Limit Group:	AI_TO15_Limits
Client ID:	2612	Instrument ID:	CHB.i
Lims Batch ID:	59280	Lims Sample ID:	16
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Client Sample ID: 4126 Lab Sample ID: 200-17876-11

Matrix: Air Lab File ID: blax008.D

Analysis Method: TO-15 Date Collected: 08/11/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/12/2013 16:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59648 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U *	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U *	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Client Sample ID: 4126 Lab Sample ID: 200-17876-11

Matrix: Air Lab File ID: blax008.D

Analysis Method: TO-15 Date Collected: 08/11/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/12/2013 16:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59648 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Client Sample ID: 4126 Lab Sample ID: 200-17876-11

Matrix: Air Lab File ID: blax008.D

Analysis Method: TO-15 Date Collected: 08/11/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/12/2013 16:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59648 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U *	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\\Btv-lims1\chromdata\CHB.i\20130812-4083.b\blax008.D		
Lims ID:	200-17876-A-11	Client ID:	4126
Inject. Date:	12-Aug-2013 16:54:30	Dil. Factor:	0.2000
Sample Type:	Client		
Sample ID:	200-0004083-008		
Misc. Info.:	200-17876-A-11		
Operator:	wrd	Instrument ID:	CHB.i
Purge Vol:	200.000 mL	ALS Bottle#:	7
Lims Batch ID:	59648	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Btv-lims1\chromdata\CHB.i\20130812-4083.b\TO15_LLNJ_TO3_CHB.i.m		
Last Update:	13-Aug-2013 12:20:43	Calib Date:	29-Jun-2013 19:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Btv-lims1\chromdata\CHB.i\20130703-3815.b\bla011.D		
Limit Group:	AI_TO15_Limits		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	RTX-624	Column Dia:	0.32 mm
Process Host:	XAWRK003		

First Level Reviewer: lyonsb Date: 13-Aug-2013 12:17:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 1 4-Bromofluorobenzene	95		0.000					
* 2 Chlorobromomethane	128	9.071	9.071	0.0	81	397724	10.0	
* 3 1,4-Difluorobenzene	114	10.480	10.485	-0.005	93	1952053	10.0	
* 4 Chlorobenzene-d5	117	14.610	14.616	-0.006	82	1606122	10.0	
$ 5 BFB								1
10 Propene	41		2.970					
11 Dichlorodifluoromethane	85		3.018					
12 Chlorodifluoromethane	51		3.051					
16 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.200					
18 Chloromethane	50		3.307					
19 Butane	43		3.445					
20 Vinyl chloride	62		3.477					
21 Butadiene	54		3.531					
22 Bromomethane	94		4.059					
23 Chloroethane	64		4.251					
25 Vinyl bromide	106		4.614					
26 Trichlorofluoromethane	101		4.705					
28 Ethanol	45		5.175					
31 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.682					
32 1,1-Dichloroethene	96		5.746					
33 Acetone	43	5.970	5.900	0.070	56	2271	0.0540	
35 Isopropyl alcohol	45		6.141					
34 Carbon disulfide	76		6.151					
36 3-Chloro-1-propene	41		6.429					
38 Methylene Chloride	49	6.690	6.680	0.010	38	2148	0.0691	
39 2-Methyl-2-propanol	59		6.813					
40 Methyl tert-butyl ether	73		7.027					
41 trans-1,2-Dichloroethene	61		7.085					
44 Hexane	57		7.411					
45 1,1-Dichloroethane	63		7.811					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
46 Vinyl acetate	43		7.832					
48 2-Butanone (MEK)	72		8.702					
47 cis-1,2-Dichloroethene	96		8.713					19
49 Ethyl acetate	88		8.729					
50 Tetrahydrofuran	42		9.087					
51 Chloroform	83		9.156					
52 1,1,1-Trichloroethane	97		9.396					
53 Cyclohexane	84		9.407					
54 Carbon tetrachloride	117		9.604					
55 Isooctane	57		9.892					
56 Benzene	78		9.924					
57 1,2-Dichloroethane	62		10.031					19
58 n-Heptane	43		10.159					
60 Trichloroethene	95	10.853	10.837	0.011	52	2313	0.0476	
61 1,2-Dichloropropane	63		11.200					19
62 Methyl methacrylate	69		11.269					19
63 1,4-Dioxane	88		11.349					49
64 Dibromomethane	174		11.392					
66 Dichlorobromomethane	83		11.574					
67 cis-1,3-Dichloropropene	75		12.198					
68 4-Methyl-2-pentanone (MIBK)	43		12.353					
69 Toluene	92		12.620					
71 trans-1,3-Dichloropropene	75		12.993					
72 1,1,2-Trichloroethane	83		13.260					
73 Tetrachloroethene	166		13.388					
74 2-Hexanone	43		13.532					
75 Chlorodibromomethane	129		13.810					
76 Ethylene Dibromide	107		14.013					
77 Chlorobenzene	112		14.653					
78 Ethylbenzene	91		14.733					19
80 m-Xylene & p-Xylene	106		14.893					
81 o-Xylene	106		15.421					
82 Styrene	104		15.453					
83 Bromoform	173		15.742					
84 Isopropylbenzene	105		15.854					
85 1,1,2,2-Tetrachloroethane	83		16.286					
86 N-Propylbenzene	91		16.350					149
89 4-Ethyltoluene	105		16.484					
90 2-Chlorotoluene	91		16.516					
91 1,3,5-Trimethylbenzene	105		16.553					
93 tert-Butylbenzene	119		16.921					19
94 1,2,4-Trimethylbenzene	105		16.991					
95 sec-Butylbenzene	105		17.167					
96 4-Isopropyltoluene	119		17.316					
97 1,3-Dichlorobenzene	146		17.375					
98 1,4-Dichlorobenzene	146		17.482					
99 Benzyl chloride	91		17.626					
101 n-Butylbenzene	91		17.791					
102 1,2-Dichlorobenzene	146		17.930					
105 1,2,4-Trichlorobenzene	180		20.070					
106 Hexachlorobutadiene	225		20.225					
107 Naphthalene	128		20.486					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
S 109 1,2-Dichloroethene, Total	61		8.700					
S 110 Xylenes, Total	106		15.600					

QC Flag Legend

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

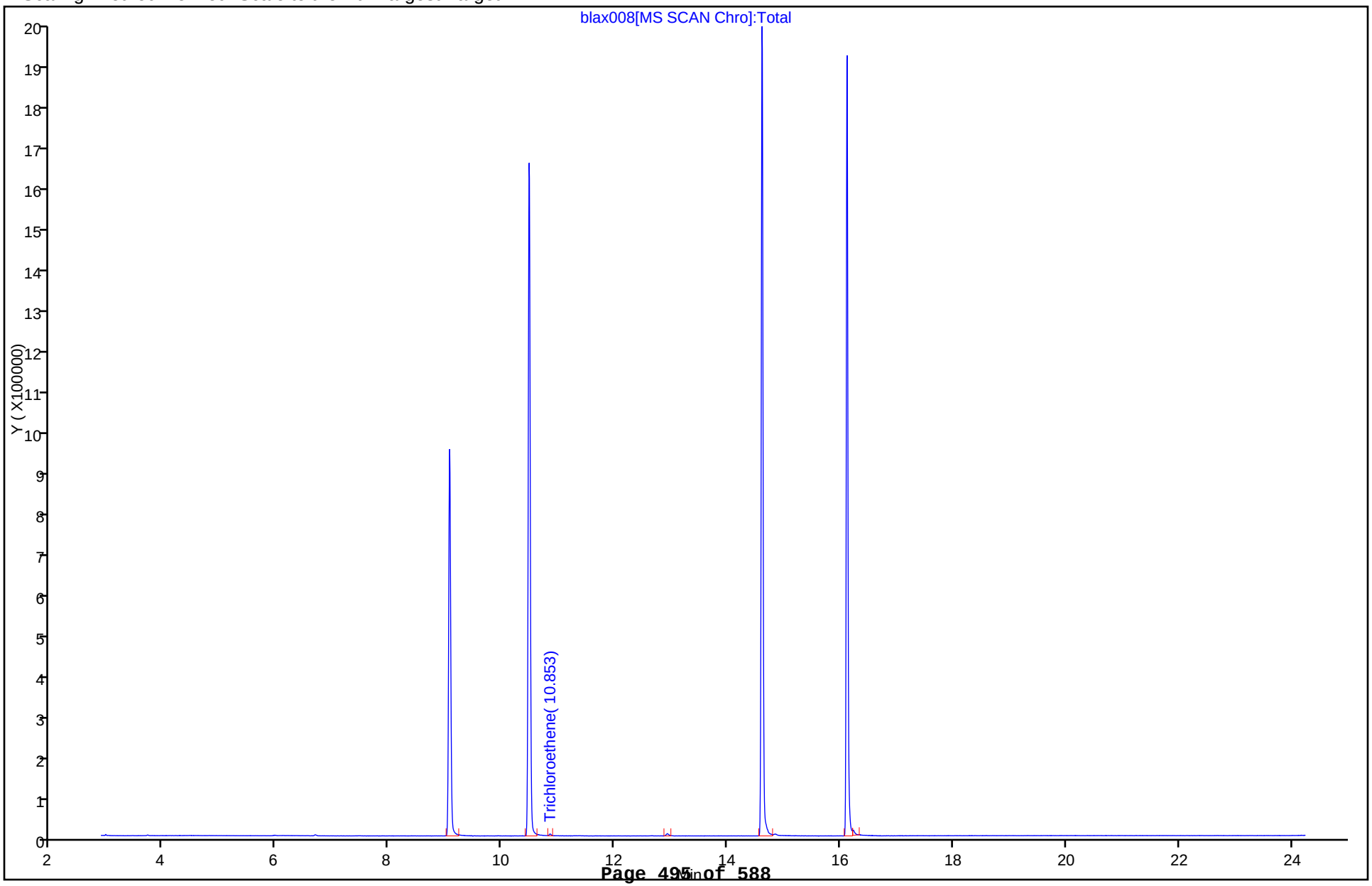
Report Date: 13-Aug-2013 12:20:48 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20130812-4083.b\blax008.D

Injection Date:	12-Aug-2013 16:54:30	Limit Group:	AI_TO15_Limits
Client ID:	4126	Instrument ID:	CHB.i
Lims Batch ID:	59648	Lims Sample ID:	8
Operator ID:	wrd	Purge Vol:	200.000 mL
Column Type:	RTX-624	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Client Sample ID: 4793 Lab Sample ID: 200-17928-6

Matrix: Air Lab File ID: gihe18.d

Analysis Method: TO-15 Date Collected: 08/14/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/15/2013 09:05

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U ^	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U *	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-17928-1

SDG No.:

Client Sample ID: 4793 | Lab Sample ID: 200-17928-6

Matrix: Air | Lab File ID: gihe18.d

Analysis Method: TO-15 | Date Collected: 08/14/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/15/2013 09:05

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 59994 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Client Sample ID: 4793 Lab Sample ID: 200-17928-6

Matrix: Air Lab File ID: gihe18.d

Analysis Method: TO-15 Date Collected: 08/14/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/15/2013 09:05

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 59994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-17928-6
Client Smp ID: 4793
Inj Date : 15-AUG-2013 09:05
Operator : pad Inst ID: G.i
Smp Info : 200-17928-A-6
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/G.i/Gsvr.p/giheto15.b/to15v5.m
Meth Date : 14-Aug-2013 13:03 pd Quant Type: ISTD
Cal Date : 07-AUG-2013 18:29 Cal File: gih15.d
Als bottle: 8
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

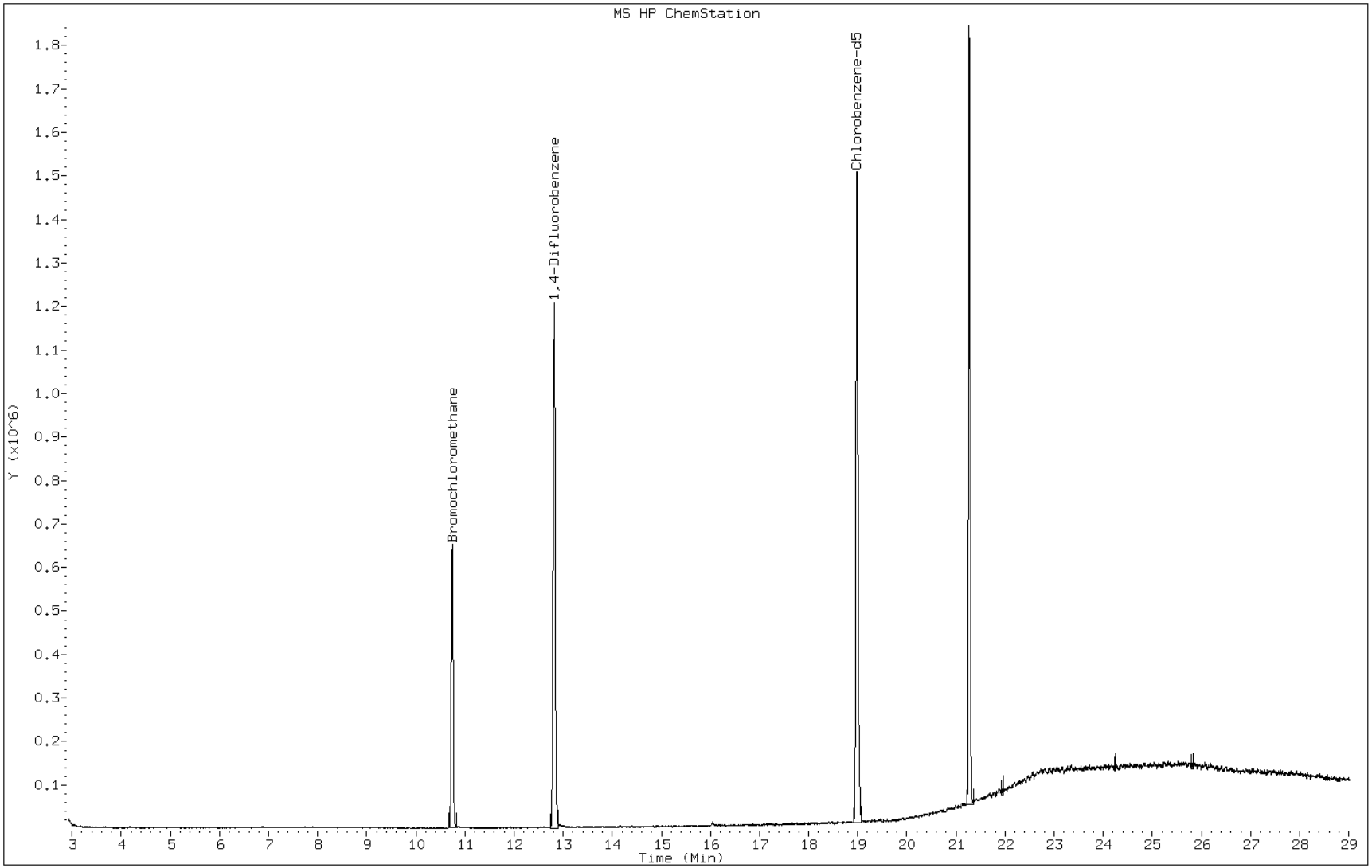
		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb v/v)	(ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.742	10.758	(1.000)	344105	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	12.818	12.834	(1.000)	1949164	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	16.038	16.060	(0.845)	5187	0.04739	0.0095(a)
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.981	18.997	(1.000)	1806246	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	gihe18.d	Date:	15-AUG-2013 09:05
Client ID:	4793	Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-17928-A-6		
Lab Sample ID:	200-17928-6		



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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57960/4	bla004.D
Level 2	IC 200-57960/5	bla005.D
Level 3	IC 200-57960/6	bla006.D
Level 4	IC 200-57960/7	bla007.D
Level 5	ICIS 200-57960/8	bla008.D
Level 6	IC 200-57960/9	bla009.D
Level 7	IC 200-57960/10	bla010.D
Level 8	IC 200-57960/11	bla011.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								
Propylene	+++++ 0.3671	+++++ 0.3493	0.3947 0.3489	0.3877	0.3641	Ave		0.3686				5.2		30.0			
Dichlorodifluoromethane	+++++ 1.4412	+++++ 1.3854	1.4620 1.3639	1.5420	1.4560	Ave		1.4418				4.4		30.0			
Freon 22	+++++ 0.7851	+++++ 0.7677	0.8119 0.7568	0.8416	0.8051	Ave		0.7947				3.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5708	1.6705 1.5113	1.6231 1.4721	1.6798	1.5896	Ave		1.5882				4.9		30.0			
Chloromethane	+++++ 0.4379	+++++ 0.4245	0.4541 0.4337	0.4696	0.4449	Ave		0.4441				3.6		30.0			
n-Butane	+++++ 0.7480	+++++ 0.7115	0.7791 0.7061	0.7880	0.7504	Ave		0.7472				4.5		30.0			
Vinyl chloride	0.5452 0.5621	0.5559 0.5424	0.5717 0.5386	0.5957	0.5708	Ave		0.5603				3.4		30.0			
1,3-Butadiene	+++++ 0.4101	0.3952 0.3927	0.4264 0.3911	0.4321	0.4086	Ave		0.4080				4.0		30.0			
Bromomethane	+++++ 0.6742	0.6745 0.6528	0.6896 0.6510	0.7210	0.6813	Ave		0.6778				3.5		30.0			
Chloroethane	+++++ 0.3928	+++++ 0.3801	0.3981 0.3800	0.4133	0.3962	Ave		0.3934				3.2		30.0			
Isopentane	+++++ 0.7743	0.9104 0.7465	0.8230 0.7445	0.8212	0.7788	Ave		0.7998				7.3		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8155	0.8234 0.7942	0.8162 0.7958	0.8590	0.8190	Ave		0.8176				2.6		30.0			
Trichlorofluoromethane	+++++ 1.9397	1.9509 1.8916	1.9406 1.8833	2.0524	1.9502	Ave		1.9441				2.8		30.0			
n-Pentane	+++++ 1.2571	+++++ 1.2061	1.3011 1.2114	1.3218	1.2566	Ave		1.2590				3.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
Ethanol	+++++ 0.2517	+++++ 0.2698	0.2890 0.2815	0.2873	0.3098	Ave		0.2815				6.9		30.0			
Ethyl ether	+++++ 0.6014	+++++ 0.5876	0.5749 0.5895	0.6210	0.6023	Ave		0.5961				2.7		30.0			
Acrolein	+++++ 0.2034	+++++ 0.3066	+++++ 0.3165	0.3270	0.3104	Ave		0.2928				17.0		30.0			
Freon TF	+++++ 1.6932	1.7429 1.6460	1.7069 1.6402	1.7768	1.6983	Ave		1.7006				2.9		30.0			
1,1-Dichloroethene	+++++ 0.8215	0.8544 0.8025	0.8044 0.8083	0.8550	0.8234	Ave		0.8242				2.7		30.0			
Acetone	+++++ 1.0254	+++++ 1.0280	+++++ 0.9799	1.0918	1.1646	Ave		1.0579				6.8		30.0			
Isopropyl alcohol	+++++ 0.8813	+++++ 0.8480	+++++ 0.7775	0.8960	0.8356	Ave		0.8477				5.5		30.0			
Carbon disulfide	+++++ 2.4746	+++++ 2.4032	2.4400 2.4091	2.5890	2.4853	Ave		2.4669				2.8		30.0			
3-Chloropropene	+++++ 0.8492	0.8751 0.7820	0.8260 0.8695	0.8706	0.8291	Ave		0.8431				4.0		30.0			
Acetonitrile	+++++ 0.5437	+++++ 0.5826	+++++ 0.5050	0.5676	0.5729	Ave		0.5544				5.6		30.0			
Methylene Chloride	+++++ 0.7623	+++++ 0.7373	0.8715 0.7462	0.8062	0.7692	Ave		0.7821				6.4		30.0			
tert-Butyl alcohol	+++++ 1.4627	+++++ 1.4071	+++++ 1.3111	1.5006	1.4570	Ave		1.4277				5.1		30.0			
Methyl tert-butyl ether	+++++ 2.4183	2.4284 2.3624	2.4061 2.3769	2.5231	2.4244	Ave		2.4199				2.1		30.0			
trans-1,2-Dichloroethene	+++++ 1.1808	1.1327 1.1550	1.1629 1.1603	1.2439	1.1871	Ave		1.1747				3.0		30.0			
Acrylonitrile	+++++ 0.5756	+++++ 0.5731	+++++ 0.5834	0.5849	0.5874	Ave		0.5809				1.1		30.0			
n-Hexane	+++++ 1.3188	1.5344 1.2757	1.3200 1.2798	1.3698	1.3189	Ave		1.3453				6.6		30.0			
1,1-Dichloroethane	1.3574 1.4575	1.4293 1.4131	1.4305 1.4116	1.5220	1.4603	Ave		1.4352				3.3		30.0			
Vinyl acetate	+++++ 1.8179	+++++ 1.7854	+++++ 1.7629	1.8695	1.6912	Ave		1.7854				3.7		30.0			
Methyl Ethyl Ketone	+++++ 0.4390	+++++ 0.4324	+++++ 0.4183	0.4636	0.4393	Ave		0.4385				3.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.9298	0.9380 0.9011	0.9139 0.8867	0.9816	0.9401	Ave		0.9273				3.3		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.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
Ethyl acetate	+++++ 0.0875	+++++ 0.0849	+++++ 0.0837	0.0884	0.0852	Ave		0.0859				2.3		30.0			
Tetrahydrofuran	+++++ 0.1609	+++++ 0.1583	+++++ 0.1578	0.1680	0.1637	Ave		0.1617				2.6		30.0			
Chloroform	+++++ 1.6991	1.7135 1.6601	1.6938 1.6553	1.7757	1.7036	Ave		1.7001				2.3		30.0			
1,1,1-Trichloroethane	+++++ 0.3538	0.3619 0.3453	0.3555 0.3418	0.3709	0.3567	Ave		0.3552				2.8		30.0			
Cyclohexane	+++++ 0.2636	0.2653 0.2573	0.2658 0.2541	0.2782	0.2662	Ave		0.2644				2.9		30.0			
Carbon tetrachloride	0.3735 0.3892	0.3882 0.3833	0.3703 0.3848	0.4033	0.3883	Ave		0.3851				2.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8406	0.8494 0.8190	0.8520 0.8142	0.8780	0.8447	Ave		0.8426				2.5		30.0			
Benzene	+++++ 0.5629	0.5863 0.5481	0.5765 0.5416	0.5931	0.5680	Ave		0.5681				3.3		30.0			
1,2-Dichloroethane	+++++ 0.2008	0.1900 0.1965	0.1942 0.1984	0.2081	0.2009	Ave		0.1984				2.9		30.0			
n-Heptane	+++++ 0.2767	0.3371 0.2695	0.2704 0.2708	0.2885	0.2786	Ave		0.2845				8.5		30.0			
n-Butanol	+++++ 0.0955	+++++ 0.0885	+++++ 0.0883	0.0918	0.0935	Ave		0.0915				3.4		30.0			
Trichloroethene	0.2517 0.2498	0.2507 0.2442	0.2417 0.2425	0.2588	0.2518	Ave		0.2489				2.3		30.0			
1,2-Dichloropropane	+++++ 0.1970	0.2011 0.1926	0.1970 0.1933	0.2047	0.1989	Ave		0.1978				2.1		30.0			
Methyl methacrylate	+++++ 0.2051	+++++ 0.2021	0.1740 0.2035	0.2074	0.2065	Ave		0.1998				6.4		30.0			
1,4-Dioxane	+++++ 0.0857	+++++ 0.0859	+++++ 0.0788	0.0925	0.0845	Ave		0.0855				5.7		30.0			
Dibromomethane	+++++ 0.2638	0.2715 0.2602	0.2481 0.2586	0.2714	0.2654	Ave		0.2627				3.1		30.0			
Bromodichloromethane	+++++ 0.3860	0.3524 0.3761	0.3662 0.3759	0.3980	0.3853	Ave		0.3771				3.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.3172	0.2998 0.3123	0.2905 0.3156	0.3222	0.3201	Ave		0.3111				3.7		30.0			
methyl isobutyl ketone	+++++ 0.3390	+++++ 0.3374	0.3130 0.3381	0.3491	0.3507	Ave		0.3379				4.0		30.0			
Toluene	+++++ 0.4886	0.5318 0.4799	0.4995 0.4527	0.5179	0.4958	Ave		0.4952				5.2		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.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
n-Octane	+++++ 0.3830	0.4424 0.3702	0.3816 0.3589	0.4036	0.3868	Ave		0.3895				7.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3172	0.2985 0.3100	0.2781 0.3159	0.3221	0.3194	Ave		0.3087				5.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2306	0.2372 0.2263	0.2223 0.2207	0.2394	0.2313	Ave		0.2297				3.1		30.0			
Tetrachloroethene	0.4697 0.4694	0.4843 0.4637	0.4664 0.4486	0.4890	0.4698	Ave		0.4701				2.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3673	+++++ 0.3730	0.3276 0.3702	0.3861	0.3854	Ave		0.3683				5.8		30.0			
Dibromochloromethane	+++++ 0.5038	0.4565 0.4968	0.4561 0.4853	0.5137	0.5028	Ave		0.4879				4.7		30.0			
1,2-Dibromoethane	+++++ 0.4400	0.4200 0.4343	0.4166 0.4230	0.4515	0.4395	Ave		0.4321				2.9		30.0			
Chlorobenzene	+++++ 0.6962	0.7257 0.6844	0.6860 0.6690	0.7217	0.6988	Ave		0.6974				2.9		30.0			
Ethylbenzene	+++++ 1.0725	1.1168 1.0562	1.0560 1.0269	1.1211	1.0811	Ave		1.0758				3.2		30.0			
n-Nonane	+++++ 0.4823	0.5300 0.4694	0.4652 0.4544	0.5033	0.4832	Ave		0.4840				5.3		30.0			
m,p-Xylene	+++++ 0.4368	0.4471 0.4245	0.4369 0.3933	0.4596	0.4420	Ave		0.4343				4.8		30.0			
Xylene, o-	+++++ 0.4305	0.4361 0.4209	0.4207 0.4007	0.4527	0.4332	Ave		0.4278				3.8		30.0			
Styrene	+++++ 0.6729	0.5831 0.6695	0.5783 0.6453	0.6834	0.6761	Ave		0.6441				7.0		30.0			
Bromoform	+++++ 0.5467	0.4778 0.5344	0.4525 0.5177	0.5468	0.5416	Ave		0.5168				7.2		30.0			
Cumene	+++++ 1.2470	1.2956 1.2264	1.2446 1.1802	1.3035	1.2523	Ave		1.2499				3.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6053	0.6158 0.5875	0.5844 0.5603	0.6283	0.6109	Ave		0.5989				3.8		30.0			
n-Propylbenzene	+++++ 1.4172	1.4261 1.3732	1.3744 1.2465	1.4843	1.4351	Ave		1.3938				5.4		30.0			
1,2,3-Trichloropropane	+++++ 0.4461	+++++ 0.4327	0.4286 0.4011	0.4634	0.4466	Ave		0.4364				4.9		30.0			
n-Decane	+++++ 0.6188	+++++ 0.5962	0.5886 0.5536	0.6351	0.6249	Ave		0.6028				4.9		30.0			
4-Ethyltoluene	+++++ 1.2681	1.2178 1.2366	1.1809 1.1242	1.3103	1.2742	Ave		1.2303				5.1		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.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
2-Chlorotoluene	+++++ 1.0993	1.1284 1.0651	1.0915 1.0173	1.1409	1.0978	Ave		1.0915				3.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0690	1.0818 1.0447	1.0620 0.9873	1.1137	1.0755	Ave		1.0620				3.7		30.0			
Alpha Methyl Styrene	+++++ 0.5506	0.3983 0.5520	0.4307 0.5071	0.5560	0.5406	Ave		0.5050				13.0		30.0			
tert-Butylbenzene	+++++ 1.0475	1.1183 1.0150	1.0601 0.9455	1.0956	1.0494	Ave		1.0473				5.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0628	1.0226 1.0305	0.9919 0.9720	1.0853	1.0580	Ave		1.0319				3.9		30.0			
sec-Butylbenzene	+++++ 1.5307	1.6035 1.4817	1.5188 1.3809	1.5875	1.5484	Ave		1.5216				4.9		30.0			
4-Isopropyltoluene	+++++ 1.3462	1.3450 1.2789	1.2780 1.2119	1.3897	1.3483	Ave		1.3140				4.6		30.0			
1,3-Dichlorobenzene	+++++ 0.7567	0.6463 0.7333	0.5984 0.7075	0.7235	0.7348	Ave		0.7001				8.1		30.0			
1,4-Dichlorobenzene	+++++ 0.7441	0.6135 0.7203	0.5697 0.7045	0.6974	0.7201	Ave		0.6814				9.4		30.0			
Benzyl chloride	+++++ 0.7104	0.5195 0.7390	0.4807 0.8329	0.7146	0.8130	Ave		0.6872				20.0		30.0			
n-Undecane	+++++ 0.6556	+++++ 0.6249	+++++ 0.5361	0.6843	0.6647	Ave		0.6331				9.2		30.0			
n-Butylbenzene	+++++ 1.0707	1.0261 0.9805	0.9506 0.8918	1.1132	1.0862	Ave		1.0170				7.9		30.0			
1,2-Dichlorobenzene	+++++ 0.7327	0.6543 0.6950	0.6108 0.6851	0.7094	0.7100	Ave		0.6853				6.0		30.0			
n-Dodecane	+++++ 0.5537	+++++ 0.5371	+++++ 0.4324	0.3726	0.4987	Ave		0.4789				16.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5328	+++++ 0.5055	0.0835 0.5311	0.3487	0.4516	Ave		0.4089				42.0	*	30.0			
Hexachlorobutadiene	+++++ 0.6705	0.6696 0.6256	0.5389 0.5847	0.6275	0.6280	Ave		0.6207				7.5		30.0			
Naphthalene	+++++ 1.1346	+++++ 1.0129	0.0880 1.0327	0.7086	0.9700	Ave		0.8244				47.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.4357	0.0388 0.4244	0.0275 0.4455	0.2514	0.3665	Ave		0.2843				65.0	*	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.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57960/4	bla004.D
Level 2	IC 200-57960/5	bla005.D
Level 3	IC 200-57960/6	bla006.D
Level 4	IC 200-57960/7	bla007.D
Level 5	ICIS 200-57960/8	bla008.D
Level 6	IC 200-57960/9	bla009.D
Level 7	IC 200-57960/10	bla010.D
Level 8	IC 200-57960/11	bla011.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
Propylene	BCM	Ave	+++++ 244857	+++++ 310667	8743 617917	85710	162199	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 961328	+++++ 1232284	32385 2415766	340919	648629	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 523669	+++++ 682827	17985 1340518	186069	358677	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1047732	14828 1344257	35952 2607296	371378	708158	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 292073	+++++ 377596	10058 768086	103818	198221	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 498952	+++++ 632822	17257 1250559	174207	334316	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	970 374915	4934 482427	12664 954021	131699	254285	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 273549	3508 349298	9446 692669	95528	182052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 449692	5987 580657	15275 1153027	159397	303521	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 262030	+++++ 338118	8819 673139	91366	176496	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 516466	8081 664019	18231 1318699	181552	346974	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 543966	7309 706443	18079 1409429	189903	364858	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1293854	17317 1682503	42987 3335730	453764	868806	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 838484	+++++ 1072765	28820 2145626	292225	559808	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 224365	+++++ 480027	64097 1246650	127105	207091	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Ethyl ether	BCM	Ave	+++++ 401155	+++++ 522605	12734 1044133	137298	268316	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 135657	+++++ 272728	+++++ 560583	72285	138273	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1129378	15470 1464088	37809 2905091	392822	756610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 547964	7584 713788	17818 1431742	189021	366817	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 683939	+++++ 914349	+++++ 1735668	241380	518830	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 587866	+++++ 754251	+++++ 1377014	198087	372270	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1650598	+++++ 2137515	54048 4267045	572386	1107205	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 566463	7768 695569	18297 1540004	192485	369344	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 362654	+++++ 518206	+++++ 894431	125495	255212	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 508501	+++++ 655772	19304 1321653	178238	342661	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 975630	+++++ 1251561	+++++ 2322132	331754	649117	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1613085	21555 2101266	53297 4209875	557815	1080056	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 787617	10054 1027313	25760 2055059	274997	528850	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 383937	+++++ 509750	+++++ 1033351	129310	261702	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 879685	13620 1134657	29238 2266802	302841	587554	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2415 972184	12687 1256866	31687 2500145	336486	650570	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1212557	+++++ 1588083	+++++ 3122429	413310	753442	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 292794	+++++ 384614	+++++ 740836	102493	195730	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 620170	8326 801507	20244 1570570	217016	418796	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 58356	+++++ 75538	+++++ 148193	19546	37960	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 530338	+++++ 694320	+++++ 1381223	184183	359325	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Chloroform	BCM	Ave	+++++ 1133310	15209 1476582	37519 2931832	392580	758953	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1166060	15865 1515096	38995 2992190	406541	783122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 868612	11628 1128951	29155 2224778	304954	584347	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3285 1282793	17016 1681495	40613 3368575	442026	852429	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2770263	37233 3593286	93452 7127123	962306	1854342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1855274	25700 2404613	63235 4740761	650005	1246960	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 661902	8327 861976	21297 1736502	228126	440987	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 912035	14777 1182570	29654 2370623	316216	611560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 314605	+++++ 388133	+++++ 772844	100609	205241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2214 823369	10989 1071333	26506 2122821	283625	552830	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 649214	8813 844936	21609 1692169	224356	436716	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 676099	+++++ 886618	19090 1781166	227325	453251	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 282428	+++++ 376730	+++++ 689421	101386	185491	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 869256	11903 1141708	27212 2263645	297491	582609	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1272036	15448 1649853	40162 3290395	436258	845934	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1045265	13141 1369947	31866 2762354	353128	702700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1117340	+++++ 1480232	34331 2960002	382585	769898	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1409563	19660 1826286	46849 3497456	492910	952211	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1262297	19394 1624119	41856 3141392	442337	849183	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1045356	13083 1359956	30508 2765005	353004	701218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 665196	8768 861311	20846 1704883	227861	444343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Tetrachloroethene	CBZ	Ave	3477 1354320	17903 1764454	43744 3466055	465398	902254	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1059752	+++++ 1419328	30720 2860318	367513	740213	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1453429	16877 1890572	42779 3749047	488927	965739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1269500	15527 1652650	39067 3267699	429782	844054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 2008558	26827 2604386	64333 5168515	686898	1342174	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 3094259	41285 4019375	99033 7933303	1067060	2076524	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1391540	19592 1786439	43633 3510732	479003	928045	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2520226	33058 3230749	81957 6076582	874972	1697781	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1242198	16120 1601762	39453 3095935	430873	831992	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1941559	21557 2547830	54234 4985573	650498	1298548	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1577178	17663 2033654	42437 3999645	520464	1040331	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3597879	47894 4667127	116724 9117895	1240631	2405245	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1746357	22763 2235572	54807 4328360	598037	1173391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 4088862	52719 5225539	128903 9629625	1412725	2756437	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1287138	+++++ 1646532	40192 3098921	441034	857825	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1785296	+++++ 2268685	55203 4276740	604450	1200182	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3658567	45021 4705741	110747 8685460	1247115	2447267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 3171751	41714 4053355	102370 7859274	1085932	2108520	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3084193	39991 3975601	99598 7627520	1060014	2065641	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1588485	14724 2100441	40396 3917740	529228	1038286	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 3022101	41341 3862502	99423 7304569	1042840	2015605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3066405	37804 3921335	93024 7509362	1033004	2032063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4416265	59278 5638417	142442 10667983	1511023	2974030	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3883877	49722 4866880	119854 9362713	1322706	2589662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2183116	23891 2790709	56124 5466033	688643	1411370	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2146759	22678 2741112	53425 5442833	663826	1383024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 2049634	19206 2812366	45081 6434334	680142	1561561	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1891492	+++++ 2378022	+++++ 4141597	651351	1276583	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 3089070	37932 3731387	89149 6889868	1059527	2086192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2114008	24189 2644940	57282 5292857	675233	1363714	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1597479	+++++ 2043844	+++++ 3340500	354600	957925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1537084	+++++ 1923619	7832 4102852	331891	867420	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1934605	24753 2380644	50539 4516949	597243	1206177	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 3273409	+++++ 3854468	8250 7978556	674418	1862957	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1257079	1434 1615012	2582 3441708	239236	703954	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-58867/3	wai03.d
Level 2	IC 200-58867/4	wai04.d
Level 3	IC 200-58867/5	wai05.d
Level 4	IC 200-58867/6	wai06.d
Level 5	ICIS 200-58867/7	wai07.d
Level 6	IC 200-58867/8	wai08.d
Level 7	IC 200-58867/9	wai09.d
Level 8	IC 200-58867/10	wai10.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								
Propylene	+++++ 0.9615	+++++ 0.8665	1.3656 0.8433	1.1699	1.0538	Ave		1.0434				19.1		30.0			
Dichlorodifluoromethane	+++++ 4.0100	+++++ 3.6818	5.1860 3.4745	4.6926	4.3369	Ave		4.2303				15.2		30.0			
Freon 22	+++++ 1.9372	+++++ 1.7621	2.6173 1.7206	2.3406	2.1227	Ave		2.0834				16.8		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.5082	7.3880 4.1267	5.8008 3.8620	5.2421	4.8580	Ave		5.1123				23.5		30.0			
Chloromethane	+++++ 1.1412	+++++ 1.0411	1.5391 1.0288	1.3621	1.2441	Ave		1.2261				16.2		30.0			
n-Butane	+++++ 2.0008	+++++ 1.8064	2.7462 1.7114	2.4382	2.1871	Ave		2.1484				18.3		30.0			
Vinyl chloride	2.3373 1.4481	2.2942 1.3280	1.8239 1.2868	1.6915	1.5574	Ave		1.7209				23.7		30.0			
1,3-Butadiene	+++++ 1.0421	1.7146 0.9571	1.3092 0.9198	1.2235	1.1395	Ave		1.1866				22.9		30.0			
Bromomethane	+++++ 1.5627	2.5215 1.4447	2.0449 1.3668	1.8667	1.6884	Ave		1.7851				22.5		30.0			
Chloroethane	+++++ 0.8177	+++++ 0.7516	1.0347 0.7546	0.9350	0.8777	Ave		0.8619				12.8		30.0			
Isopentane	+++++ 1.6724	2.7740 1.4919	2.1985 1.4540	1.9704	1.8027	Ave		1.9091				24.2		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.8661	2.7536 1.7515	2.1745 1.7615	2.0230	1.9669	Ave		2.0424				17.0		30.0			
Trichlorofluoromethane	+++++ 4.3901	6.8054 4.0687	5.4225 3.9440	4.9813	4.6754	Ave		4.8982				20.1		30.0			
n-Pentane	+++++ 2.5455	+++++ 2.3005	3.3496 2.1971	3.0065	2.7739	Ave		2.6955				16.2		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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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								
Ethanol	+++++ 0.5696	+++++ 0.4837	0.5805 0.4529	0.6536	0.6124	Ave		0.5588				13.7		30.0			
Ethyl ether	+++++ 1.0892	1.7137 1.0456	1.3685 1.0102	1.2778	1.2171	Ave		1.2460				19.5		30.0			
Acrolein	+++++ 0.5751	+++++ 0.5369	+++++ 0.5145	0.6392	0.6246	Ave		0.5781				9.3		30.0			
Freon TF	+++++ 3.5145	5.2936 3.2811	4.3397 3.1692	3.9554	3.7418	Ave		3.8993				18.8		30.0			
1,1-Dichloroethene	+++++ 1.7234	2.5542 1.6232	1.9943 1.6156	1.8844	1.8129	Ave		1.8869				17.2		30.0			
Acetone	+++++ 1.7957	+++++ 1.7101	+++++ 1.5809	2.4351	2.0873	Ave		1.9218				17.8		30.0			
Carbon disulfide	+++++ 4.7008	+++++ 4.3437	5.9665 4.1669	5.3485	5.0001	Ave		4.9211				13.6		30.0			
Isopropyl alcohol	+++++ 1.6433	+++++ 1.4630	+++++ 1.4081	1.9544	1.7977	Ave		1.6533				13.8		30.0			
3-Chloropropene	+++++ 1.6314	2.6848 1.4840	1.9644 1.4395	1.9012	1.7679	Ave		1.8390				23.0		30.0			
Acetonitrile	+++++ 0.9556	+++++ 0.8937	+++++ 0.8497	1.1603	1.0585	Ave		0.9836				12.8		30.0			
Methylene Chloride	+++++ 1.3933	+++++ 1.2785	1.9683 1.2336	1.6601	1.5099	Ave		1.5073				18.2		30.0			
tert-Butyl alcohol	+++++ 2.6026	+++++ 2.3594	+++++ 2.2934	2.9441	2.7859	Ave		2.5971				10.6		30.0			
Methyl tert-butyl ether	+++++ 4.4738	6.7496 4.2549	5.4269 4.0739	5.2213	5.0126	Ave		5.0304				18.1		30.0			
trans-1,2-Dichloroethene	+++++ 2.1196	3.3891 1.9553	2.6907 1.8720	2.4732	2.3063	Ave		2.4009				21.7		30.0			
Acrylonitrile	+++++ 1.0448	+++++ 0.9753	1.2390 0.9522	1.2005	1.1395	Ave		1.0919				10.9		30.0			
n-Hexane	+++++ 2.4428	3.8473 2.2478	3.0439 2.1385	2.7979	2.6428	Ave		2.7373				21.2		30.0			
1,1-Dichloroethane	3.8734 2.6537	4.1854 2.4435	3.4356 2.3337	3.0390	2.8533	Ave		3.1022				21.7		30.0			
Vinyl acetate	+++++ 3.3490	+++++ 3.1203	+++++ 2.9111	3.9687	3.7401	Ave		3.4178				12.7		30.0			
cis-1,2-Dichloroethene	+++++ 1.9414	2.9213 1.8318	2.3950 1.7673	2.0959	2.0678	Ave		2.1458				18.6		30.0			
Methyl Ethyl Ketone	+++++ 0.8493	+++++ 0.7925	1.1108 0.7520	0.9912	0.9349	Ave		0.9051				14.8		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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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								
Ethyl acetate	+++++ 0.1722	+++++ 0.1662	+++++ 0.1618	0.1923	0.1894	Ave		0.1764				7.8		30.0			
Tetrahydrofuran	+++++ 0.3237	+++++ 0.3002	+++++ 0.2937	0.3876	0.3658	Ave		0.3342				12.3		30.0			
Chloroform	+++++ 3.3372	5.2720 3.1503	4.2059 3.0092	3.7308	3.5693	Ave		3.7535				20.7		30.0			
Cyclohexane	+++++ 0.5410	0.7597 0.5095	0.6021 0.4952	0.5803	0.5705	Ave		0.5797				15.2		30.0			
1,1,1-Trichloroethane	+++++ 0.7680	1.0913 0.7261	0.8857 0.7056	0.8243	0.8147	Ave		0.8308				15.7		30.0			
Carbon tetrachloride	1.0409 0.8558	1.1341 0.8193	0.9398 0.8190	0.8903	0.8914	Ave		0.9238				12.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.5543	2.3599 1.4509	1.9133 1.3490	1.7794	1.6978	Ave		1.7293				19.6		30.0			
Benzene	+++++ 1.1235	1.6495 1.0642	1.3455 1.0220	1.2301	1.1978	Ave		1.2332				17.3		30.0			
1,2-Dichloroethane	+++++ 0.4026	0.6390 0.3780	0.5221 0.3700	0.4537	0.4349	Ave		0.4572				20.9		30.0			
n-Heptane	+++++ 0.5396	0.8974 0.5003	0.6955 0.4716	0.6379	0.5967	Ave		0.6199				23.4		30.0			
n-Butanol	+++++ 0.1812	+++++ 0.1498	+++++ 0.1780	0.1913	0.1878	Ave		0.1776				9.2		30.0			
Trichloroethene	0.5980 0.5157	0.7524 0.4963	0.6099 0.4929	0.5559	0.5484	Ave		0.5712				14.9		30.0			
1,2-Dichloropropane	+++++ 0.3644	0.5434 0.3464	0.4356 0.3440	0.4062	0.3903	Ave		0.4043				17.2		30.0			
Methyl methacrylate	+++++ 0.3979	+++++ 0.3778	0.4043 0.3818	0.4268	0.4263	Ave		0.4025				5.2		30.0			
1,4-Dioxane	+++++ 0.1883	+++++ 0.1695	+++++ 0.1720	0.2067	0.1983	Ave		0.1869				8.7		30.0			
Dibromomethane	+++++ 0.6779	0.8826 0.6653	0.7212 0.6743	0.6938	0.7046	Ave		0.7171				10.5		30.0			
Bromodichloromethane	+++++ 0.7581	1.0227 0.7282	0.8402 0.7164	0.8292	0.8064	Ave		0.8144				12.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.5927	0.7354 0.5691	0.6163 0.5703	0.6380	0.6277	Ave		0.6213				9.2		30.0			
methyl isobutyl ketone	+++++ 0.6937	+++++ 0.6239	0.9907 0.6012	0.7976	0.7590	Ave		0.7444				19.1		30.0			
n-Octane	+++++ 0.7141	1.2131 0.6370	0.9668 0.5442	0.9053	0.8241	Ave		0.8292				27.1		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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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								
Toluene	+++++ 0.9763	1.4404 0.9114	1.1760 0.8347	1.0831	1.0436	Ave		1.0665				18.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.6025	0.7347 0.5734	0.6005 0.5828	0.6492	0.6478	Ave		0.6273				8.9		30.0			
1,1,2-Trichloroethane	+++++ 0.4346	0.6352 0.4120	0.5106 0.4161	0.4782	0.4663	Ave		0.4790				16.2		30.0			
Tetrachloroethene	1.4625 1.1150	1.5927 1.0733	1.2614 1.0505	1.1693	1.1644	Ave		1.2361				15.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.6987	+++++ 0.6150	0.9838 0.6200	0.7708	0.7552	Ave		0.7406				18.4		30.0			
Dibromochloromethane	+++++ 1.0492	1.1951 1.0152	0.9927 1.0090	1.0726	1.0970	Ave		1.0615				6.6		30.0			
1,2-Dibromoethane	+++++ 0.8894	1.1561 0.8511	0.9502 0.8544	0.9436	0.9383	Ave		0.9404				11.0		30.0			
Chlorobenzene	+++++ 1.4122	2.0905 1.3335	1.6726 1.2742	1.5459	1.5058	Ave		1.5478				17.7		30.0			
Ethylbenzene	+++++ 2.0449	3.0104 1.8789	2.4211 1.6608	2.3054	2.2200	Ave		2.2202				19.6		30.0			
n-Nonane	+++++ 0.8394	1.2318 0.7570	1.0060 0.6883	0.9797	0.9167	Ave		0.9170				19.7		30.0			
m,p-Xylene	+++++ 0.9098	1.2793 0.8215	1.0465 0.7026	1.0171	0.9863	Ave		0.9662				18.9		30.0			
Xylene, o-	+++++ 0.9175	1.2220 0.8513	1.0113 0.8090	0.9896	0.9732	Ave		0.9677				13.9		30.0			
Styrene	+++++ 1.4316	1.4821 1.3203	1.2835 1.2161	1.4956	1.4991	Ave		1.3898				8.3		30.0			
Bromoform	+++++ 1.3025	1.1615 1.2186	0.9931 1.1535	1.2512	1.3155	Ave		1.1994				9.2		30.0			
Cumene	+++++ 2.4413	3.5056 2.1773	2.8598 1.7952	2.7874	2.6679	Ave		2.6049				20.9		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1433	1.5761 1.0392	1.2676 0.9751	1.2615	1.2182	Ave		1.2116				16.1		30.0			
n-Propylbenzene	+++++ 2.6350	3.7924 2.2885	3.0191 1.7707	3.0905	2.9098	Ave		2.7866				23.1		30.0			
1,2,3-Trichloropropane	+++++ 0.8209	+++++ 0.7361	0.9307 0.6725	0.9265	0.8779	Ave		0.8274				12.7		30.0			
n-Decane	+++++ 1.0534	+++++ 0.9315	1.2092 0.7947	1.2386	1.1524	Ave		1.0633				16.3		30.0			
4-Ethyltoluene	+++++ 2.4647	3.3269 2.1601	2.6781 1.6918	2.8245	2.6877	Ave		2.5477				20.3		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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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								
2-Chlorotoluene	+++++ 1.9685	2.7862 1.7670	2.1918 1.5125	2.2031	2.1187	Ave		2.0783				19.2		30.0			
1,3,5-Trimethylbenzene	+++++ 2.1163	2.9255 1.8851	2.4056 1.5650	2.3937	2.2883	Ave		2.2256				19.4		30.0			
Alpha Methyl Styrene	+++++ 1.2244	0.9165 1.1385	0.9053 1.0643	1.2379	1.2466	Ave		1.1048				13.3		30.0			
tert-Butylbenzene	+++++ 2.1712	3.0781 1.9382	2.5217 1.6365	2.4495	2.3447	Ave		2.3057				19.9		30.0			
1,2,4-Trimethylbenzene	+++++ 2.1158	2.8324 1.8888	2.2986 1.5836	2.3716	2.2706	Ave		2.1945				17.9		30.0			
sec-Butylbenzene	+++++ 2.9330	4.2550 2.5414	3.4734 1.9868	3.4458	3.2357	Ave		3.1244				23.3		30.0			
4-Isopropyltoluene	+++++ 2.6729	3.5758 2.3489	2.9457 1.8737	3.0588	2.9178	Ave		2.7705				19.6		30.0			
1,3-Dichlorobenzene	+++++ 1.7072	1.9665 1.5982	1.5298 1.4322	1.7637	1.7402	Ave		1.6768				10.4		30.0			
1,4-Dichlorobenzene	+++++ 1.6526	1.7769 1.5688	1.3920 1.4153	1.6762	1.6646	Ave		1.5923				9.0		30.0			
Benzyl chloride	+++++ 1.5044	1.0873 1.4461	0.8768 1.3838	1.4065	1.4717	Ave		1.3110				18.0		30.0			
n-Undecane	+++++ 1.0955	+++++ 0.9570	+++++ 0.7533	1.3173	1.2060	Ave		1.0658				20.6		30.0			
n-Butylbenzene	+++++ 2.0787	2.5576 1.8381	2.1234 1.4667	2.3687	2.2395	Ave		2.0961				17.1		30.0			
1,2-Dichlorobenzene	+++++ 1.6299	1.9080 1.5276	1.5015 1.4082	1.6847	1.6571	Ave		1.6167				10.0		30.0			
n-Dodecane	+++++ 0.9277	+++++ 0.7344	+++++ 0.7430	0.9186	0.9407	Ave		0.8529				12.3		30.0			
1,2,4-Trichlorobenzene	+++++ 1.0798	+++++ 1.0900	0.7517 1.1725	0.9817	0.9612	Ave		1.0061				14.6		30.0			
Hexachlorobutadiene	+++++ 1.5376	1.7678 1.4173	1.5139 1.3788	1.5259	1.5452	Ave		1.5266				8.1		30.0			
Naphthalene	+++++ 1.9843	+++++ 1.9104	1.4401 1.8970	1.8645	1.7811	Ave		1.8129				10.7		30.0			
1,2,3-Trichlorobenzene	+++++ 1.0486	0.7904 0.9521	0.8963 1.0709	0.9449	0.9612	Ave		0.9521				9.9		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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-58867/3	wai03.d
Level 2	IC 200-58867/4	wai04.d
Level 3	IC 200-58867/5	wai05.d
Level 4	IC 200-58867/6	wai06.d
Level 5	ICIS 200-58867/7	wai07.d
Level 6	IC 200-58867/8	wai08.d
Level 7	IC 200-58867/9	wai09.d
Level 8	IC 200-58867/10	wai10.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
Propylene	BCM	Ave	+++++ 907309	+++++ 1185591	40397 2235862	323661	617731	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 3784091	+++++ 5037340	153407 9212409	1298240	2542198	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1828025	+++++ 2410826	77422 4562147	647552	1244300	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 4254178	75852 5646104	171592 10240066	1450279	2847684	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 1076903	+++++ 1424464	45529 2727947	376824	729268	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 1888119	+++++ 2471504	81236 4537845	674560	1282016	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	4977 1366557	23554 1816962	53952 3411886	467977	912937	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 983342	17604 1309556	38728 2438839	338499	667932	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 1474647	25888 1976650	60489 3623948	516447	989708	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 771591	+++++ 1028356	30607 2000746	258678	514510	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 1578204	28481 2041253	65034 3855184	545116	1056728	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1760939	28271 2396362	64323 4670678	559668	1152985	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 4142762	69871 5566768	160402 10457357	1378115	2740647	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 2402125	+++++ 3147469	99085 5825473	831783	1625999	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 716715	+++++ 1323641	171727 3002423	361640	538488	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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
Ethyl ether	BCM	Ave	+++++ 1027832	17594 1430590	40480 2678409	353501	713461	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 542699	+++++ 734514	+++++ 1364287	176850	366120	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 3316462	54349 4489216	128373 8402904	1094294	2193362	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 1626337	26224 2220783	58992 4283644	521327	1062713	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 1694490	+++++ 2339788	+++++ 4191645	673692	1223528	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 4435916	+++++ 5942961	176495 11048490	1479694	2930997	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 1550699	+++++ 2001655	+++++ 3733400	540708	1053788	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 1539471	27565 2030362	58110 3816785	525993	1036339	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 901725	+++++ 1222751	+++++ 2252876	321016	620461	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 1314754	+++++ 1749199	58225 3270908	459267	885082	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 2455984	+++++ 3228117	+++++ 6080919	814505	1633073	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 4221772	69298 5821437	160532 10801926	1444524	2938278	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 2000212	34796 2675173	79594 4963667	684239	1351915	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 985951	+++++ 1334362	36652 2524781	332123	667942	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 2305124	39500 3075361	90042 5670141	774048	1549162	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	8248 2504150	42971 3343121	101628 6187797	840750	1672546	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 3160298	+++++ 4269147	+++++ 7718712	1097986	2192378	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1832036	29993 2506265	70845 4685959	579855	1212113	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 801475	+++++ 1084287	32859 1993863	274218	548033	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 162456	+++++ 227342	+++++ 429031	53214	111032	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 1469338	+++++ 1955943	+++++ 3603912	524885	1036245	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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
Chloroform	BCM	Ave	+++++ 3149151	54127 4310228	124413 7978679	1032160	2092242	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 2455777	38628 3319064	88033 6075525	785793	1615856	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 3485874	55493 4730016	129511 8657370	1116194	2307759	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	10884 3884522	57671 5337196	137420 10048252	1205600	2524960	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 7055106	120001 9452398	279763 16551016	2409508	4809150	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 5099526	83875 6932745	196733 12538925	1665704	3392940	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1827181	32491 2462549	76342 4539637	614337	1232003	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 2449271	45633 3259144	101693 5786200	863774	1690165	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 822367	+++++ 975894	+++++ 2183797	259015	531847	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	6253 2340709	38260 3233570	89184 6047007	752799	1553476	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 1654238	27630 2256457	63688 4220808	550040	1105489	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 1806165	+++++ 2461290	59121 4684278	577880	1207543	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 854592	+++++ 1104100	+++++ 2109950	279868	561794	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 3076820	44882 4334566	105456 8272807	939539	1995814	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 3440901	52005 4743994	122845 8789766	1122785	2284150	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2690336	37397 3707475	90108 6996286	863873	1777858	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 3148685	+++++ 4064609	144865 7375618	1080089	2149791	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 3241319	61687 4149969	141361 6676892	1225908	2334341	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 4100724	66091 5512903	156290 9509776	1369044	2753151	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2734604	37357 3735804	87801 7149691	879052	1834941	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1825279	29144 2492313	67855 4739850	604521	1230034	+++++ 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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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
Tetrachloroethene	CBZ	Ave	13326 4683351	73076 6492455	167633 11967984	1478040	3071921	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2934548	+++++ 3719983	130742 7063173	974319	1992305	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 4406797	54834 6140978	131931 11495084	1355779	2893936	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 3735910	53044 5148200	126272 9733405	1192726	2475397	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 5931638	95916 8066391	222276 14516316	1954079	3972605	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 8589178	138125 11365840	321756 18920431	2914099	5856505	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 3525871	56516 4579000	133695 7841070	1238359	2418298	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 7643147	117399 9939125	278146 16008011	2571265	5203711	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 3853594	56069 5149362	134395 9216436	1250923	2567330	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 6013177	68003 7986839	170574 13854306	1890462	3954897	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 5470785	53293 7371284	131979 13140704	1581507	3470395	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 10254387	160844 13170433	380059 20451791	3523415	7038246	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4802174	72313 6286424	168457 11108303	1594627	3213709	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 11067651	174006 13843141	401230 20172528	3906481	7676489	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 3447845	+++++ 4453011	123686 7661298	1171086	2316098	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 4424390	+++++ 5634816	160703 9053449	1565575	3040152	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 10352359	152648 13066423	355913 19273292	3570291	7090452	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 8268111	127837 10688926	291279 17230902	2784839	5589366	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 8888922	134228 11402871	319699 17828665	3025781	6036837	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 5142743	42052 6886773	120306 12124344	1564710	3288558	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 9119528	141231 11724345	335121 18643545	3096272	6185702	+++++ 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.: 200-17720-1 Analy Batch No.: 58867

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/23/2013 11:11 Calibration End Date: 07/23/2013 16:58 Calibration ID: 22611

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 8887014	129958 11425787	305478 18040983	2997824	5990143	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 12319424	195231 15373048	461606 22633970	4355567	8536250	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 11227125	164065 14208479	391468 21345351	3866382	7697567	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 7170772	90228 9667737	203297 16316707	2229369	4590938	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 6941396	81527 9489652	184984 16124145	2118817	4391484	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 6319085	49890 8747781	116524 15764962	1777835	3882489	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 4601561	+++++ 5788832	+++++ 8581698	1665062	3181547	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 8730955	117347 11118606	282190 16709337	2994181	5908086	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 6846078	87544 9240557	199543 16042264	2129585	4371743	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 3896438	+++++ 4442638	+++++ 8464798	1161171	2481764	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 4535579	+++++ 6593241	99900 13357592	1240890	2535757	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 6458302	81111 8573542	201187 15707843	1928779	4076453	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 8334731	+++++ 11556017	191387 21610915	2356774	4698742	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 4404365	36264 5759572	119112 12200472	1194332	2535771	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

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.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57960/4	bla004.D
Level 2	IC 200-57960/5	bla005.D
Level 3	IC 200-57960/6	bla006.D
Level 4	IC 200-57960/7	bla007.D
Level 5	ICIS 200-57960/8	bla008.D
Level 6	IC 200-57960/9	bla009.D
Level 7	IC 200-57960/10	bla010.D
Level 8	IC 200-57960/11	bla011.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								
Propylene	+++++ 0.3671	+++++ 0.3493	0.3947 0.3489	0.3877	0.3641	Ave		0.3686				5.2		30.0			
Dichlorodifluoromethane	+++++ 1.4412	+++++ 1.3854	1.4620 1.3639	1.5420	1.4560	Ave		1.4418				4.4		30.0			
Freon 22	+++++ 0.7851	+++++ 0.7677	0.8119 0.7568	0.8416	0.8051	Ave		0.7947				3.9		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5708	1.6705 1.5113	1.6231 1.4721	1.6798	1.5896	Ave		1.5882				4.9		30.0			
Chloromethane	+++++ 0.4379	+++++ 0.4245	0.4541 0.4337	0.4696	0.4449	Ave		0.4441				3.6		30.0			
n-Butane	+++++ 0.7480	+++++ 0.7115	0.7791 0.7061	0.7880	0.7504	Ave		0.7472				4.5		30.0			
Vinyl chloride	0.5452 0.5621	0.5559 0.5424	0.5717 0.5386	0.5957	0.5708	Ave		0.5603				3.4		30.0			
1,3-Butadiene	+++++ 0.4101	0.3952 0.3927	0.4264 0.3911	0.4321	0.4086	Ave		0.4080				4.0		30.0			
Bromomethane	+++++ 0.6742	0.6745 0.6528	0.6896 0.6510	0.7210	0.6813	Ave		0.6778				3.5		30.0			
Chloroethane	+++++ 0.3928	+++++ 0.3801	0.3981 0.3800	0.4133	0.3962	Ave		0.3934				3.2		30.0			
Isopentane	+++++ 0.7743	0.9104 0.7465	0.8230 0.7445	0.8212	0.7788	Ave		0.7998				7.3		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.8155	0.8234 0.7942	0.8162 0.7958	0.8590	0.8190	Ave		0.8176				2.6		30.0			
Trichlorofluoromethane	+++++ 1.9397	1.9509 1.8916	1.9406 1.8833	2.0524	1.9502	Ave		1.9441				2.8		30.0			
n-Pentane	+++++ 1.2571	+++++ 1.2061	1.3011 1.2114	1.3218	1.2566	Ave		1.2590				3.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
Ethanol	+++++ 0.2517	+++++ 0.2698	0.2890 0.2815	0.2873	0.3098	Ave		0.2815				6.9		30.0			
Ethyl ether	+++++ 0.6014	+++++ 0.5876	0.5749 0.5895	0.6210	0.6023	Ave		0.5961				2.7		30.0			
Acrolein	+++++ 0.2034	+++++ 0.3066	+++++ 0.3165	0.3270	0.3104	Ave		0.2928				17.0		30.0			
Freon TF	+++++ 1.6932	1.7429 1.6460	1.7069 1.6402	1.7768	1.6983	Ave		1.7006				2.9		30.0			
1,1-Dichloroethene	+++++ 0.8215	0.8544 0.8025	0.8044 0.8083	0.8550	0.8234	Ave		0.8242				2.7		30.0			
Acetone	+++++ 1.0254	+++++ 1.0280	+++++ 0.9799	1.0918	1.1646	Ave		1.0579				6.8		30.0			
Isopropyl alcohol	+++++ 0.8813	+++++ 0.8480	+++++ 0.7775	0.8960	0.8356	Ave		0.8477				5.5		30.0			
Carbon disulfide	+++++ 2.4746	+++++ 2.4032	2.4400 2.4091	2.5890	2.4853	Ave		2.4669				2.8		30.0			
3-Chloropropene	+++++ 0.8492	0.8751 0.7820	0.8260 0.8695	0.8706	0.8291	Ave		0.8431				4.0		30.0			
Acetonitrile	+++++ 0.5437	+++++ 0.5826	+++++ 0.5050	0.5676	0.5729	Ave		0.5544				5.6		30.0			
Methylene Chloride	+++++ 0.7623	+++++ 0.7373	0.8715 0.7462	0.8062	0.7692	Ave		0.7821				6.4		30.0			
tert-Butyl alcohol	+++++ 1.4627	+++++ 1.4071	+++++ 1.3111	1.5006	1.4570	Ave		1.4277				5.1		30.0			
Methyl tert-butyl ether	+++++ 2.4183	2.4284 2.3624	2.4061 2.3769	2.5231	2.4244	Ave		2.4199				2.1		30.0			
trans-1,2-Dichloroethene	+++++ 1.1808	1.1327 1.1550	1.1629 1.1603	1.2439	1.1871	Ave		1.1747				3.0		30.0			
Acrylonitrile	+++++ 0.5756	+++++ 0.5731	+++++ 0.5834	0.5849	0.5874	Ave		0.5809				1.1		30.0			
n-Hexane	+++++ 1.3188	1.5344 1.2757	1.3200 1.2798	1.3698	1.3189	Ave		1.3453				6.6		30.0			
1,1-Dichloroethane	1.3574 1.4575	1.4293 1.4131	1.4305 1.4116	1.5220	1.4603	Ave		1.4352				3.3		30.0			
Vinyl acetate	+++++ 1.8179	+++++ 1.7854	+++++ 1.7629	1.8695	1.6912	Ave		1.7854				3.7		30.0			
Methyl Ethyl Ketone	+++++ 0.4390	+++++ 0.4324	+++++ 0.4183	0.4636	0.4393	Ave		0.4385				3.7		30.0			
cis-1,2-Dichloroethene	+++++ 0.9298	0.9380 0.9011	0.9139 0.8867	0.9816	0.9401	Ave		0.9273				3.3		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.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
Ethyl acetate	+++++ 0.0875	+++++ 0.0849	+++++ 0.0837	0.0884	0.0852	Ave		0.0859				2.3		30.0			
Tetrahydrofuran	+++++ 0.1609	+++++ 0.1583	+++++ 0.1578	0.1680	0.1637	Ave		0.1617				2.6		30.0			
Chloroform	+++++ 1.6991	1.7135 1.6601	1.6938 1.6553	1.7757	1.7036	Ave		1.7001				2.3		30.0			
1,1,1-Trichloroethane	+++++ 0.3538	0.3619 0.3453	0.3555 0.3418	0.3709	0.3567	Ave		0.3552				2.8		30.0			
Cyclohexane	+++++ 0.2636	0.2653 0.2573	0.2658 0.2541	0.2782	0.2662	Ave		0.2644				2.9		30.0			
Carbon tetrachloride	0.3735 0.3892	0.3882 0.3833	0.3703 0.3848	0.4033	0.3883	Ave		0.3851				2.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.8406	0.8494 0.8190	0.8520 0.8142	0.8780	0.8447	Ave		0.8426				2.5		30.0			
Benzene	+++++ 0.5629	0.5863 0.5481	0.5765 0.5416	0.5931	0.5680	Ave		0.5681				3.3		30.0			
1,2-Dichloroethane	+++++ 0.2008	0.1900 0.1965	0.1942 0.1984	0.2081	0.2009	Ave		0.1984				2.9		30.0			
n-Heptane	+++++ 0.2767	0.3371 0.2695	0.2704 0.2708	0.2885	0.2786	Ave		0.2845				8.5		30.0			
n-Butanol	+++++ 0.0955	+++++ 0.0885	+++++ 0.0883	0.0918	0.0935	Ave		0.0915				3.4		30.0			
Trichloroethene	0.2517 0.2498	0.2507 0.2442	0.2417 0.2425	0.2588	0.2518	Ave		0.2489				2.3		30.0			
1,2-Dichloropropane	+++++ 0.1970	0.2011 0.1926	0.1970 0.1933	0.2047	0.1989	Ave		0.1978				2.1		30.0			
Methyl methacrylate	+++++ 0.2051	+++++ 0.2021	0.1740 0.2035	0.2074	0.2065	Ave		0.1998				6.4		30.0			
1,4-Dioxane	+++++ 0.0857	+++++ 0.0859	+++++ 0.0788	0.0925	0.0845	Ave		0.0855				5.7		30.0			
Dibromomethane	+++++ 0.2638	0.2715 0.2602	0.2481 0.2586	0.2714	0.2654	Ave		0.2627				3.1		30.0			
Bromodichloromethane	+++++ 0.3860	0.3524 0.3761	0.3662 0.3759	0.3980	0.3853	Ave		0.3771				3.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.3172	0.2998 0.3123	0.2905 0.3156	0.3222	0.3201	Ave		0.3111				3.7		30.0			
methyl isobutyl ketone	+++++ 0.3390	+++++ 0.3374	0.3130 0.3381	0.3491	0.3507	Ave		0.3379				4.0		30.0			
Toluene	+++++ 0.4886	0.5318 0.4799	0.4995 0.4527	0.5179	0.4958	Ave		0.4952				5.2		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.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
n-Octane	+++++ 0.3830	0.4424 0.3702	0.3816 0.3589	0.4036	0.3868	Ave		0.3895				7.0		30.0			
trans-1,3-Dichloropropene	+++++ 0.3172	0.2985 0.3100	0.2781 0.3159	0.3221	0.3194	Ave		0.3087				5.0		30.0			
1,1,2-Trichloroethane	+++++ 0.2306	0.2372 0.2263	0.2223 0.2207	0.2394	0.2313	Ave		0.2297				3.1		30.0			
Tetrachloroethene	0.4697 0.4694	0.4843 0.4637	0.4664 0.4486	0.4890	0.4698	Ave		0.4701				2.6		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3673	+++++ 0.3730	0.3276 0.3702	0.3861	0.3854	Ave		0.3683				5.8		30.0			
Dibromochloromethane	+++++ 0.5038	0.4565 0.4968	0.4561 0.4853	0.5137	0.5028	Ave		0.4879				4.7		30.0			
1,2-Dibromoethane	+++++ 0.4400	0.4200 0.4343	0.4166 0.4230	0.4515	0.4395	Ave		0.4321				2.9		30.0			
Chlorobenzene	+++++ 0.6962	0.7257 0.6844	0.6860 0.6690	0.7217	0.6988	Ave		0.6974				2.9		30.0			
Ethylbenzene	+++++ 1.0725	1.1168 1.0562	1.0560 1.0269	1.1211	1.0811	Ave		1.0758				3.2		30.0			
n-Nonane	+++++ 0.4823	0.5300 0.4694	0.4652 0.4544	0.5033	0.4832	Ave		0.4840				5.3		30.0			
m,p-Xylene	+++++ 0.4368	0.4471 0.4245	0.4369 0.3933	0.4596	0.4420	Ave		0.4343				4.8		30.0			
Xylene, o-	+++++ 0.4305	0.4361 0.4209	0.4207 0.4007	0.4527	0.4332	Ave		0.4278				3.8		30.0			
Styrene	+++++ 0.6729	0.5831 0.6695	0.5783 0.6453	0.6834	0.6761	Ave		0.6441				7.0		30.0			
Bromoform	+++++ 0.5467	0.4778 0.5344	0.4525 0.5177	0.5468	0.5416	Ave		0.5168				7.2		30.0			
Cumene	+++++ 1.2470	1.2956 1.2264	1.2446 1.1802	1.3035	1.2523	Ave		1.2499				3.3		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6053	0.6158 0.5875	0.5844 0.5603	0.6283	0.6109	Ave		0.5989				3.8		30.0			
n-Propylbenzene	+++++ 1.4172	1.4261 1.3732	1.3744 1.2465	1.4843	1.4351	Ave		1.3938				5.4		30.0			
1,2,3-Trichloropropane	+++++ 0.4461	+++++ 0.4327	0.4286 0.4011	0.4634	0.4466	Ave		0.4364				4.9		30.0			
n-Decane	+++++ 0.6188	+++++ 0.5962	0.5886 0.5536	0.6351	0.6249	Ave		0.6028				4.9		30.0			
4-Ethyltoluene	+++++ 1.2681	1.2178 1.2366	1.1809 1.1242	1.3103	1.2742	Ave		1.2303				5.1		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.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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								
2-Chlorotoluene	+++++ 1.0993	1.1284 1.0651	1.0915 1.0173	1.1409	1.0978	Ave		1.0915				3.8		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0690	1.0818 1.0447	1.0620 0.9873	1.1137	1.0755	Ave		1.0620				3.7		30.0			
Alpha Methyl Styrene	+++++ 0.5506	0.3983 0.5520	0.4307 0.5071	0.5560	0.5406	Ave		0.5050				13.0		30.0			
tert-Butylbenzene	+++++ 1.0475	1.1183 1.0150	1.0601 0.9455	1.0956	1.0494	Ave		1.0473				5.4		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0628	1.0226 1.0305	0.9919 0.9720	1.0853	1.0580	Ave		1.0319				3.9		30.0			
sec-Butylbenzene	+++++ 1.5307	1.6035 1.4817	1.5188 1.3809	1.5875	1.5484	Ave		1.5216				4.9		30.0			
4-Isopropyltoluene	+++++ 1.3462	1.3450 1.2789	1.2780 1.2119	1.3897	1.3483	Ave		1.3140				4.6		30.0			
1,3-Dichlorobenzene	+++++ 0.7567	0.6463 0.7333	0.5984 0.7075	0.7235	0.7348	Ave		0.7001				8.1		30.0			
1,4-Dichlorobenzene	+++++ 0.7441	0.6135 0.7203	0.5697 0.7045	0.6974	0.7201	Ave		0.6814				9.4		30.0			
Benzyl chloride	+++++ 0.7104	0.5195 0.7390	0.4807 0.8329	0.7146	0.8130	Ave		0.6872				20.0		30.0			
n-Undecane	+++++ 0.6556	+++++ 0.6249	+++++ 0.5361	0.6843	0.6647	Ave		0.6331				9.2		30.0			
n-Butylbenzene	+++++ 1.0707	1.0261 0.9805	0.9506 0.8918	1.1132	1.0862	Ave		1.0170				7.9		30.0			
1,2-Dichlorobenzene	+++++ 0.7327	0.6543 0.6950	0.6108 0.6851	0.7094	0.7100	Ave		0.6853				6.0		30.0			
n-Dodecane	+++++ 0.5537	+++++ 0.5371	+++++ 0.4324	0.3726	0.4987	Ave		0.4789				16.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5328	+++++ 0.5055	0.0835 0.5311	0.3487	0.4516	Ave		0.4089				42.0	*	30.0			
Hexachlorobutadiene	+++++ 0.6705	0.6696 0.6256	0.5389 0.5847	0.6275	0.6280	Ave		0.6207				7.5		30.0			
Naphthalene	+++++ 1.1346	+++++ 1.0129	0.0880 1.0327	0.7086	0.9700	Ave		0.8244				47.0	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.4357	0.0388 0.4244	0.0275 0.4455	0.2514	0.3665	Ave		0.2843				65.0	*	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.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57960/4	bla004.D
Level 2	IC 200-57960/5	bla005.D
Level 3	IC 200-57960/6	bla006.D
Level 4	IC 200-57960/7	bla007.D
Level 5	ICIS 200-57960/8	bla008.D
Level 6	IC 200-57960/9	bla009.D
Level 7	IC 200-57960/10	bla010.D
Level 8	IC 200-57960/11	bla011.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
Propylene	BCM	Ave	+++++ 244857	+++++ 310667	8743 617917	85710	162199	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 961328	+++++ 1232284	32385 2415766	340919	648629	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 523669	+++++ 682827	17985 1340518	186069	358677	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1047732	14828 1344257	35952 2607296	371378	708158	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 292073	+++++ 377596	10058 768086	103818	198221	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 498952	+++++ 632822	17257 1250559	174207	334316	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	970 374915	4934 482427	12664 954021	131699	254285	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 273549	3508 349298	9446 692669	95528	182052	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 449692	5987 580657	15275 1153027	159397	303521	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 262030	+++++ 338118	8819 673139	91366	176496	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 516466	8081 664019	18231 1318699	181552	346974	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 543966	7309 706443	18079 1409429	189903	364858	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 1293854	17317 1682503	42987 3335730	453764	868806	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 838484	+++++ 1072765	28820 2145626	292225	559808	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 224365	+++++ 480027	64097 1246650	127105	207091	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Ethyl ether	BCM	Ave	+++++ 401155	+++++ 522605	12734 1044133	137298	268316	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 135657	+++++ 272728	+++++ 560583	72285	138273	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 1129378	15470 1464088	37809 2905091	392822	756610	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 547964	7584 713788	17818 1431742	189021	366817	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 683939	+++++ 914349	+++++ 1735668	241380	518830	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 587866	+++++ 754251	+++++ 1377014	198087	372270	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1650598	+++++ 2137515	54048 4267045	572386	1107205	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 566463	7768 695569	18297 1540004	192485	369344	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 362654	+++++ 518206	+++++ 894431	125495	255212	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 508501	+++++ 655772	19304 1321653	178238	342661	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 975630	+++++ 1251561	+++++ 2322132	331754	649117	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 1613085	21555 2101266	53297 4209875	557815	1080056	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 787617	10054 1027313	25760 2055059	274997	528850	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 383937	+++++ 509750	+++++ 1033351	129310	261702	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 879685	13620 1134657	29238 2266802	302841	587554	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	2415 972184	12687 1256866	31687 2500145	336486	650570	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 1212557	+++++ 1588083	+++++ 3122429	413310	753442	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 292794	+++++ 384614	+++++ 740836	102493	195730	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 620170	8326 801507	20244 1570570	217016	418796	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 58356	+++++ 75538	+++++ 148193	19546	37960	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFB	Ave	+++++ 530338	+++++ 694320	+++++ 1381223	184183	359325	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Chloroform	BCM	Ave	+++++ 1133310	15209 1476582	37519 2931832	392580	758953	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFB	Ave	+++++ 1166060	15865 1515096	38995 2992190	406541	783122	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFB	Ave	+++++ 868612	11628 1128951	29155 2224778	304954	584347	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFB	Ave	3285 1282793	17016 1681495	40613 3368575	442026	852429	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2770263	37233 3593286	93452 7127123	962306	1854342	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFB	Ave	+++++ 1855274	25700 2404613	63235 4740761	650005	1246960	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFB	Ave	+++++ 661902	8327 861976	21297 1736502	228126	440987	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFB	Ave	+++++ 912035	14777 1182570	29654 2370623	316216	611560	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFB	Ave	+++++ 314605	+++++ 388133	+++++ 772844	100609	205241	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFB	Ave	2214 823369	10989 1071333	26506 2122821	283625	552830	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFB	Ave	+++++ 649214	8813 844936	21609 1692169	224356	436716	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFB	Ave	+++++ 676099	+++++ 886618	19090 1781166	227325	453251	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFB	Ave	+++++ 282428	+++++ 376730	+++++ 689421	101386	185491	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dibromomethane	DFB	Ave	+++++ 869256	11903 1141708	27212 2263645	297491	582609	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFB	Ave	+++++ 1272036	15448 1649853	40162 3290395	436258	845934	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1045265	13141 1369947	31866 2762354	353128	702700	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFB	Ave	+++++ 1117340	+++++ 1480232	34331 2960002	382585	769898	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBZ	Ave	+++++ 1409563	19660 1826286	46849 3497456	492910	952211	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFB	Ave	+++++ 1262297	19394 1624119	41856 3141392	442337	849183	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1045356	13083 1359956	30508 2765005	353004	701218	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBZ	Ave	+++++ 665196	8768 861311	20846 1704883	227861	444343	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
Tetrachloroethene	CBZ	Ave	3477 1354320	17903 1764454	43744 3466055	465398	902254	0.0401 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1059752	+++++ 1419328	30720 2860318	367513	740213	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBZ	Ave	+++++ 1453429	16877 1890572	42779 3749047	488927	965739	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBZ	Ave	+++++ 1269500	15527 1652650	39067 3267699	429782	844054	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBZ	Ave	+++++ 2008558	26827 2604386	64333 5168515	686898	1342174	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBZ	Ave	+++++ 3094259	41285 4019375	99033 7933303	1067060	2076524	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBZ	Ave	+++++ 1391540	19592 1786439	43633 3510732	479003	928045	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBZ	Ave	+++++ 2520226	33058 3230749	81957 6076582	874972	1697781	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBZ	Ave	+++++ 1242198	16120 1601762	39453 3095935	430873	831992	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBZ	Ave	+++++ 1941559	21557 2547830	54234 4985573	650498	1298548	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBZ	Ave	+++++ 1577178	17663 2033654	42437 3999645	520464	1040331	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBZ	Ave	+++++ 3597879	47894 4667127	116724 9117895	1240631	2405245	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1746357	22763 2235572	54807 4328360	598037	1173391	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBZ	Ave	+++++ 4088862	52719 5225539	128903 9629625	1412725	2756437	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1287138	+++++ 1646532	40192 3098921	441034	857825	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Decane	CBZ	Ave	+++++ 1785296	+++++ 2268685	55203 4276740	604450	1200182	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBZ	Ave	+++++ 3658567	45021 4705741	110747 8685460	1247115	2447267	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBZ	Ave	+++++ 3171751	41714 4053355	102370 7859274	1085932	2108520	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3084193	39991 3975601	99598 7627520	1060014	2065641	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBZ	Ave	+++++ 1588485	14724 2100441	40396 3917740	529228	1038286	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBZ	Ave	+++++ 3022101	41341 3862502	99423 7304569	1042840	2015605	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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

Lab Name: TestAmerica Burlington Job No.: 200-17876-1 Analy Batch No.: 57960

SDG No.:

Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/29/2013 13:00 Calibration End Date: 06/29/2013 19:05 Calibration ID: 22380

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3066405	37804 3921335	93024 7509362	1033004	2032063	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBZ	Ave	+++++ 4416265	59278 5638417	142442 10667983	1511023	2974030	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBZ	Ave	+++++ 3883877	49722 4866880	119854 9362713	1322706	2589662	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2183116	23891 2790709	56124 5466033	688643	1411370	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2146759	22678 2741112	53425 5442833	663826	1383024	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBZ	Ave	+++++ 2049634	19206 2812366	45081 6434334	680142	1561561	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBZ	Ave	+++++ 1891492	+++++ 2378022	+++++ 4141597	651351	1276583	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
n-Butylbenzene	CBZ	Ave	+++++ 3089070	37932 3731387	89149 6889868	1059527	2086192	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2114008	24189 2644940	57282 5292857	675233	1363714	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBZ	Ave	+++++ 1597479	+++++ 2043844	+++++ 3340500	354600	957925	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1537084	+++++ 1923619	7832 4102852	331891	867420	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBZ	Ave	+++++ 1934605	24753 2380644	50539 4516949	597243	1206177	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBZ	Ave	+++++ 3273409	+++++ 3854468	8250 7978556	674418	1862957	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1257079	1434 1615012	2582 3441708	239236	703954	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-59589/15	gih15.d
Level 2	IC 200-59589/4	gih04.d
Level 3	IC 200-59589/7	gih07.d
Level 4	IC 200-59589/6	gih06.d
Level 5	ICIS 200-59589/8	gih08.d
Level 6	IC 200-59589/9	gih09.d
Level 7	IC 200-59589/10	gih10.d
Level 8	IC 200-59589/11	gih11.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								
Propylene	+++++ 0.1859	+++++ 0.1680	0.2744 0.1519	0.2426	0.2012	Ave		0.2040				22.8		30.0			
Dichlorodifluoromethane	+++++ 1.7925	+++++ 1.6545	2.2799 1.4853	2.2747	1.8849	Ave		1.8953				17.2		30.0			
Freon 22	+++++ 0.6274	+++++ 0.5803	0.8216 0.5247	0.8199	0.6756	Ave		0.6749				18.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.6334	2.9406 1.5070	2.1350 1.3417	2.0982	1.7337	Ave		1.9128				28.2		30.0			
Chloromethane	+++++ 0.3006	+++++ 0.2759	0.3802 0.2557	0.3835	0.3242	Ave		0.3200				16.6		30.0			
n-Butane	+++++ 0.3790	+++++ 0.3516	0.5362 0.3191	0.4972	0.4090	Ave		0.4153				20.4		30.0			
Vinyl chloride	0.7196 0.4039	0.7179 0.3858	0.5052 0.3565	0.5035	0.4266	Ave		0.5024				28.5		30.0			
1,3-Butadiene	+++++ 0.2452	0.4250 0.2320	0.3159 0.2158	0.3086	0.2640	Ave		0.2866				25.0		30.0			
Bromomethane	+++++ 0.6281	1.0275 0.5919	0.7587 0.5540	0.7446	0.6397	Ave		0.7064				22.7		30.0			
Chloroethane	+++++ 0.1655	+++++ 0.1566	0.2057 0.1456	0.1969	0.1762	Ave		0.1744				13.4		30.0			
Isopentane	+++++ 0.2543	0.5537 0.2381	0.3463 0.2177	0.3324	0.2716	Ave		0.3163				36.3	*	30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.7566	1.0836 0.7211	0.8536 0.6719	0.8531	0.7504	Ave		0.8129				16.8		30.0			
Trichlorofluoromethane	+++++ 2.0887	3.2461 1.9552	2.5133 1.8079	2.4378	2.1288	Ave		2.3111				20.9		30.0			
n-Pentane	+++++ 0.4590	+++++ 0.4224	0.6184 0.3833	0.5818	0.4875	Ave		0.4921				18.6		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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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								
Ethanol	+++++ 0.1244	+++++ 0.1057	0.1249 0.0937	0.1555	0.1262	Ave		0.1218				17.3		30.0			
Ethyl ether	+++++ 0.2535	0.4186 0.2401	0.2806 0.2212	0.3064	0.2653	Ave		0.2837				23.1		30.0			
Acrolein	+++++ 0.1316	+++++ 0.1229	+++++ 0.1134	0.1512	0.1320	Ave		0.1302				10.7		30.0			
Freon TF	+++++ 1.3381	2.0680 1.2457	1.6156 1.1237	1.5605	1.3626	Ave		1.4735				21.2		30.0			
1,1-Dichloroethene	+++++ 0.5573	0.9636 0.5296	0.7256 0.4813	0.6520	0.5808	Ave		0.6415				25.4		30.0			
Acetone	+++++ 0.4545	+++++ 0.4326	+++++ 0.3828	0.6271	0.4964	Ave		0.4787				19.3		30.0			
Carbon disulfide	+++++ 1.5981	+++++ 1.4974	1.8642 1.3865	1.8667	1.6410	Ave		1.6423				11.8		30.0			
Isopropyl alcohol	+++++ 0.3588	+++++ 0.3289	+++++ 0.2949	0.4347	0.3795	Ave		0.3594				14.7		30.0			
3-Chloropropene	+++++ 0.3224	0.5327 0.2956	0.3713 0.2758	0.3971	0.3440	Ave		0.3627				23.7		30.0			
Acetonitrile	+++++ 0.1863	+++++ 0.1751	+++++ 0.1591	0.2373	0.2039	Ave		0.1923				15.6		30.0			
Methylene Chloride	+++++ 0.3905	+++++ 0.3664	0.5560 0.3358	0.4815	0.4164	Ave		0.4244				19.1		30.0			
tert-Butyl alcohol	+++++ 0.7150	+++++ 0.6664	+++++ 0.6025	0.8489	0.7373	Ave		0.7140				12.8		30.0			
Methyl tert-butyl ether	+++++ 1.3526	1.9721 1.2598	1.5613 1.1605	1.5208	1.3714	Ave		1.4569				18.3		30.0			
trans-1,2-Dichloroethene	+++++ 0.6490	1.0991 0.6024	0.8065 0.5411	0.7866	0.6873	Ave		0.7389				25.0		30.0			
Acrylonitrile	+++++ 0.2380	+++++ 0.2217	0.2921 0.2123	0.2745	0.2486	Ave		0.2479				12.4		30.0			
n-Hexane	+++++ 0.5176	0.9605 0.4908	0.6803 0.4486	0.6147	0.5445	Ave		0.6081				28.5		30.0			
1,1-Dichloroethane	1.4934 0.9323	1.4392 0.8669	1.1801 0.8068	1.0612	0.9701	Ave		1.0938				23.5		30.0			
Vinyl acetate	+++++ 0.8462	+++++ 0.7881	+++++ 0.7380	0.9842	0.8939	Ave		0.8501				11.2		30.0			
cis-1,2-Dichloroethene	+++++ 0.8804	1.2906 0.8339	1.1329 0.7846	0.9151	0.8849	Ave		0.9603				19.0		30.0			
Methyl Ethyl Ketone	+++++ 0.2941	+++++ 0.2777	0.4380 0.2545	0.3223	0.3032	Ave		0.3150				20.5		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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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								
Ethyl acetate	+++++ 0.0511	+++++ 0.0491	+++++ 0.0458	0.0522	0.0512	Ave		0.0499				5.1		30.0			
Tetrahydrofuran	+++++ 0.0795	+++++ 0.0723	+++++ 0.0645	0.0995	0.0907	Ave		0.0813				17.3		30.0			
Chloroform	+++++ 1.9980	2.8485 1.8936	2.4967 1.7629	2.2043	2.0586	Ave		2.1804				17.3		30.0			
Cyclohexane	+++++ 0.1886	0.2908 0.1757	0.2467 0.1547	0.2114	0.2017	Ave		0.2099				21.9		30.0			
1,1,1-Trichloroethane	+++++ 0.4293	0.6384 0.4016	0.5547 0.3620	0.4959	0.4552	Ave		0.4767				19.9		30.0			
Carbon tetrachloride	0.7831 0.5290	0.7706 0.5031	0.6379 0.4676	0.5976	0.5470	Ave		0.6045				19.6		30.0			
2,2,4-Trimethylpentane	+++++ 0.5974	0.9821 0.5360	0.8330 0.4506	0.7338	0.6757	Ave		0.6870				26.4		30.0			
Benzene	+++++ 0.5050	0.8097 0.4634	0.7124 0.3957	0.5915	0.5531	Ave		0.5758				25.0		30.0			
1,2-Dichloroethane	+++++ 0.2526	0.3965 0.2350	0.3281 0.2150	0.2962	0.2712	Ave		0.2850				21.8		30.0			
n-Heptane	+++++ 0.2000	0.4008 0.1802	0.2839 0.1540	0.2538	0.2303	Ave		0.2433				33.8	*	30.0			
n-Butanol	+++++ 0.0964	+++++ 0.0877	+++++ 0.0793	0.1002	0.0993	Ave		0.0926				9.6		30.0			
Trichloroethene	0.5985 0.3457	0.4831 0.3335	0.4310 0.3060	0.3659	0.3485	Ave		0.4015				24.4		30.0			
1,2-Dichloropropane	+++++ 0.2614	0.3752 0.2422	0.3246 0.2163	0.2883	0.2763	Ave		0.2835				18.7		30.0			
Methyl methacrylate	+++++ 0.2405	+++++ 0.2286	0.2362 0.2068	0.2478	0.2472	Ave		0.2345				6.5		30.0			
1,4-Dioxane	+++++ 0.1120	+++++ 0.1053	+++++ 0.0888	0.1215	0.1157	Ave		0.1087				11.6		30.0			
Dibromomethane	+++++ 0.3617	0.4040 0.3635	0.3740 0.3733	0.3427	0.3357	Ave		0.3650				6.2		30.0			
Bromodichloromethane	+++++ 0.6042	0.7705 0.5812	0.6699 0.5348	0.6492	0.6166	Ave		0.6323				11.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.4304	0.5059 0.4121	0.4668 0.3773	0.4482	0.4379	Ave		0.4398				9.3		30.0			
methyl isobutyl ketone	+++++ 0.3807	+++++ 0.3465	0.4343 0.2944	0.4624	0.4262	Ave		0.3907				16.0		30.0			
Toluene	+++++ 0.5592	0.7692 0.5423	0.7013 0.5011	0.5909	0.5777	Ave		0.6059				15.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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								
n-Octane	+++++ 0.3809	0.6754 0.3384	0.5489 0.2726	0.4834	0.4290	Ave		0.4469				30.4	*	30.0			
trans-1,3-Dichloropropene	+++++ 0.4333	0.6238 0.4215	0.4590 0.3911	0.4570	0.4444	Ave		0.4614				16.3		30.0			
1,1,2-Trichloroethane	+++++ 0.3144	0.4526 0.2982	0.4000 0.2688	0.3387	0.3290	Ave		0.3431				18.4		30.0			
Tetrachloroethene	0.7105 0.5420	0.6574 0.5492	0.6483 0.5527	0.5267	0.5189	Ave		0.5882				12.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3807	+++++ 0.3388	0.2250 0.2923	0.4260	0.4173	Ave		0.3467				22.4		30.0			
Dibromochloromethane	+++++ 0.7259	0.8133 0.7159	0.7413 0.6836	0.7327	0.7219	Ave		0.7335				5.4		30.0			
1,2-Dibromoethane	+++++ 0.5949	0.6834 0.5791	0.6510 0.5432	0.5895	0.5918	Ave		0.6047				7.8		30.0			
Chlorobenzene	+++++ 0.7767	1.0099 0.7584	0.9399 0.7125	0.7836	0.7734	Ave		0.8221				13.2		30.0			
Ethylbenzene	+++++ 1.2241	1.6436 1.1562	1.5089 1.0278	1.2880	1.2379	Ave		1.2981				16.2		30.0			
n-Nonane	+++++ 0.4797	0.8283 0.4221	0.6774 0.3318	0.5671	0.5261	Ave		0.5475				30.1	*	30.0			
m,p-Xylene	+++++ 0.4876	0.6089 0.4637	0.5798 0.3912	0.4925	0.4894	Ave		0.5019				14.5		30.0			
Xylene, o-	+++++ 0.4859	0.6277 0.4717	0.5766 0.4266	0.4969	0.4882	Ave		0.5105				13.4		30.0			
Styrene	+++++ 0.7296	0.5503 0.7138	0.6585 0.6586	0.7031	0.7157	Ave		0.6756				9.2		30.0			
Bromoform	+++++ 0.7661	0.6762 0.7721	0.6251 0.7552	0.7059	0.7314	Ave		0.7189				7.5		30.0			
Cumene	+++++ 1.3660	1.7930 1.2919	1.6280 1.1289	1.4157	1.3694	Ave		1.4276				15.4		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8064	1.0822 0.7449	0.9852 0.6044	0.8640	0.8455	Ave		0.8475				18.4		30.0			
n-Propylbenzene	+++++ 1.5993	2.0655 1.4560	1.7936 1.1121	1.7003	1.6544	Ave		1.6259				18.1		30.0			
1,2,3-Trichloropropane	+++++ 0.5294	+++++ 0.4763	0.6989 0.3557	0.6005	0.5717	Ave		0.5388				21.6		30.0			
n-Decane	+++++ 0.4642	+++++ 0.3703	0.8037 0.2241	0.6686	0.5694	Ave		0.5167				40.4	*	30.0			
4-Ethyltoluene	+++++ 1.2621	1.5526 1.1066	1.4201 0.7551	1.3757	1.3403	Ave		1.2589				20.8		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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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								
2-Chlorotoluene	+++++ 1.0302	1.5440 0.8836	1.3082 0.6077	1.1926	1.1178	Ave		1.0977				27.4		30.0			
1,3,5-Trimethylbenzene	+++++ 1.1468	1.5006 1.0990	1.2846 0.9424	1.1921	1.1500	Ave		1.1879				14.5		30.0			
Alpha Methyl Styrene	+++++ 0.5812	0.1236 0.5743	0.3074 0.5310	0.5400	0.5656	Ave		0.4605				38.3	*	30.0			
tert-Butylbenzene	+++++ 1.0847	1.4096 1.0414	1.3108 0.9037	1.1310	1.0864	Ave		1.1382				14.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1374	1.3331 1.0835	1.2140 0.9169	1.1701	1.1373	Ave		1.1418				11.1		30.0			
sec-Butylbenzene	+++++ 1.6433	2.1377 1.5503	1.9036 1.2262	1.7284	1.6723	Ave		1.6945				16.8		30.0			
4-Isopropyltoluene	+++++ 1.3693	1.6311 1.2971	1.4733 1.0252	1.3894	1.3737	Ave		1.3656				13.5		30.0			
1,3-Dichlorobenzene	+++++ 0.7707	0.6752 0.7835	0.6214 0.7084	0.6737	0.7297	Ave		0.7090				8.1		30.0			
1,4-Dichlorobenzene	+++++ 0.7095	0.5911 0.7360	0.5283 0.7370	0.6056	0.6732	Ave		0.6544				12.3		30.0			
Benzyl chloride	+++++ 0.8620	0.7401 0.8492	0.6308 0.8118	0.7717	0.8553	Ave		0.7887				10.6		30.0			
n-Butylbenzene	+++++ 1.1689	1.3238 1.0777	1.1860 0.7942	1.2424	1.2132	Ave		1.1438				15.0		30.0			
n-Undecane	+++++ 0.5959	+++++ 0.4928	+++++ 0.3130	0.7688	0.6679	Ave		0.5677				30.7	*	30.0			
1,2-Dichlorobenzene	+++++ 0.7337	0.6690 0.7485	0.6529 0.7377	0.6621	0.7095	Ave		0.7019				5.7		30.0			
n-Dodecane	+++++ 0.4570	+++++ 0.4408	+++++ 0.2205	0.3776	0.4081	Ave		0.3808				24.9		30.0			
1,2,4-Trichlorobenzene	+++++ 0.3514	+++++ 0.3898	0.1398 0.4201	0.2739	0.3131	Ave		0.3147				31.9	*	30.0			
Hexachlorobutadiene	+++++ 0.6463	0.6955 0.6504	0.5380 0.5584	0.6321	0.6175	Ave		0.6197				8.8		30.0			
Naphthalene	+++++ 0.8095	+++++ 0.8665	0.3067 0.8517	0.7165	0.7073	Ave		0.7097				29.4		30.0			
1,2,3-Trichlorobenzene	+++++ 0.3480	0.1092 0.3818	0.0773 0.3389	0.2820	0.3108	Ave		0.2640				45.8	*	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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-59589/15	gih15.d
Level 2	IC 200-59589/4	gih04.d
Level 3	IC 200-59589/7	gih07.d
Level 4	IC 200-59589/6	gih06.d
Level 5	ICIS 200-59589/8	gih08.d
Level 6	IC 200-59589/9	gih09.d
Level 7	IC 200-59589/10	gih10.d
Level 8	IC 200-59589/11	gih11.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
Propylene	BCM	Ave	+++++ 190658	+++++ 244023	9190 450490	67980	132035	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1838519	+++++ 2403019	76349 4404157	637337	1236800	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 643521	+++++ 842819	27515 1555895	229719	443330	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1675403	32664 2188778	71495 3978268	587890	1137548	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 308286	+++++ 400676	12733 758149	107451	212711	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 388741	+++++ 510631	17955 946268	139307	268362	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1922 414298	7974 560352	16918 1057008	141074	279948	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 251525	4721 336922	10579 639796	86465	173232	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 644214	11413 859701	25407 1642607	208643	419761	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 169761	+++++ 227406	6887 431710	55158	115597	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 260833	6150 345847	11596 645400	93146	178215	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 776015	12036 1047402	28586 1992295	239022	492405	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 2142419	36057 2839811	84164 5360717	683053	1396819	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 470826	+++++ 613439	20709 1136571	163029	319891	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 170196	+++++ 307186	41838 694545	87156	124233	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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
Ethyl ether	BCM	Ave	+++++ 260017	4650 348674	9395 655844	85859	174052	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 134944	+++++ 178554	+++++ 336299	42351	86603	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1372443	22971 1809338	54103 3332015	437245	894068	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 571597	10704 769275	24297 1427112	182690	381105	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 466189	+++++ 628368	+++++ 1135093	175704	325699	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1639139	+++++ 2174928	62428 4111022	523030	1076773	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 368038	+++++ 477706	+++++ 874312	121787	249044	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 330659	5917 429278	12434 817894	111253	225742	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 191134	+++++ 254279	+++++ 471793	66477	133788	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 400582	+++++ 532219	18619 995573	134921	273199	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 733366	+++++ 967837	+++++ 1786465	237862	483770	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1387394	21906 1829827	52283 3441021	426123	899885	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 665681	12209 874876	27009 1604318	220388	450989	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 244153	+++++ 322023	9781 629470	76902	163109	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 530866	10669 712809	22781 1330284	172240	357301	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3989 956276	15987 1259061	39520 2392318	297344	636564	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 867902	+++++ 1144629	+++++ 2188265	275770	586507	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 902987	14336 1211117	37938 2326557	256410	580618	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 301662	+++++ 403355	14668 754534	90308	198955	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 52432	+++++ 71340	+++++ 135883	14623	33563	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 441079	+++++ 576738	+++++ 1081415	143119	305653	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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
Chloroform	BCM	Ave	+++++ 2049381	31641 2750394	83607 5227245	617636	1350764	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 1046519	16142 1401508	43008 2594398	304101	679863	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2382552	35438 3204122	96722 6070401	713255	1534861	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	10646 2935587	42777 4013931	111227 7842526	859508	1844028	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3315551	54519 4275727	145240 7557739	1055346	2278028	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2802769	44946 3696982	124202 6635574	850701	1864778	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1401866	22012 1874829	57214 3605229	425982	914410	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1109800	22252 1437333	49498 2582673	365029	776467	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 535187	+++++ 699921	+++++ 1329470	144103	334841	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	8137 1918617	26819 2660572	75145 5131434	526255	1175080	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 1450791	20830 1932405	56588 3627202	414623	931642	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 1334827	+++++ 1823879	41178 3468784	356437	833311	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 621458	+++++ 840349	+++++ 1489748	174756	390103	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 2007073	22426 2899879	65213 6260415	492841	1131969	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 3352833	42770 4636245	116798 8969992	933617	2078752	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2388586	28086 3287233	81384 6328133	644661	1476267	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 2112852	+++++ 2763864	75715 4937263	665056	1437003	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 3007196	37788 4223967	108775 8170994	805491	1854031	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 2113830	37492 2699861	95704 4571027	695281	1446386	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2404466	34631 3362902	80026 6559662	657226	1498236	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1690553	22234 2323052	62041 4382770	461666	1056107	+++++ 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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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
Tetrachloroethene	CBZ	Ave	8307 2914454	32298 4278122	100562 9013515	717983	1665379	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 2047125	+++++ 2638813	34907 4766122	580686	1339445	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 3903384	39953 5576272	114990 11147054	998690	2316994	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 3198867	33575 4510496	100979 8857025	803579	1899472	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 4176450	49611 5907037	145796 11618849	1068154	2482425	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 6582250	80743 9006116	234054 16759359	1755727	3973240	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 2579216	40690 3287797	105081 5410419	773008	1688676	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 5244121	59825 7223369	179875 12758690	1342748	3141649	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 2612562	30839 3674450	89435 6956360	677330	1567045	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 3923139	27035 5560028	102136 10739126	958347	2297162	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 4119461	33220 6014267	96955 12314903	962241	2347361	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 7345075	88084 10063079	252529 18408427	1929819	4395128	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 4336458	53164 5802006	152816 9855009	1177683	2713798	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 8599767	101470 11341473	278205 18134584	2317657	5310058	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2846854	+++++ 3710280	108413 5801112	818576	1834770	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 2496247	+++++ 2884579	124672 3653569	911374	1827535	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 6786671	76275 8619824	220283 12313435	1875220	4301892	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 5539491	75854 6882279	202916 9909206	1625599	3587703	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6166370	73721 8560083	199260 15368208	1624990	3691055	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 3125400	6072 4473460	47680 8658853	736142	1815342	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 5832706	69248 8111519	203316 14736891	1541698	3486881	+++++ 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.: 200-17928-1 Analy Batch No.: 59589

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/07/2013 09:52 Calibration End Date: 08/07/2013 18:29 Calibration ID: 22894

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6116323	65491 8439822	188312 14951659	1594976	3650140	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 8836190	105019 12075930	295281 19995426	2355953	5367411	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 7362863	80129 10103190	228536 16718081	1893868	4409040	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 4144281	33171 6103211	96390 11551375	918391	2341927	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3815308	29038 5732891	81951 12017822	825464	2160569	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 4635407	36360 6614754	97839 13238126	1051960	2745028	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 6285349	65036 8394376	183964 12950493	1693589	3893973	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 3204468	+++++ 3838486	+++++ 5104575	1047982	2143788	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3945340	32866 5830125	101281 12028861	902526	2277092	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 2457279	+++++ 3433603	+++++ 3595114	514691	1309996	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1889699	+++++ 3036613	21680 6850274	373411	1004897	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 3475391	34166 5066215	83456 9106082	861640	1981844	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 4352726	+++++ 6749265	47581 13887805	976626	2270294	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1871018	5366 2974278	11998 5525586	384408	997645	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
Propylene	Ave	0.3686	0.3411		9.25	10.0	-7.5	30.0
Dichlorodifluoromethane	Ave	1.442	1.385		9.60	10.0	-3.9	30.0
Freon 22	Ave	0.7947	0.7512		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.588	1.510		9.50	10.0	-4.9	30.0
Chloromethane	Ave	0.4441	0.4237		9.54	10.0	-4.6	30.0
n-Butane	Ave	0.7472	0.6988		9.35	10.0	-6.5	30.0
Vinyl chloride	Ave	0.5603	0.5413		9.66	10.0	-3.4	30.0
1,3-Butadiene	Ave	0.4080	0.4038		9.89	10.0	-1.0	30.0
Bromomethane	Ave	0.6778	0.6256		9.23	10.0	-7.7	30.0
Chloroethane	Ave	0.3934	0.3670		9.33	10.0	-6.7	30.0
Isopentane	Ave	0.7998	0.7245		9.06	10.0	-9.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8176	0.7918		9.68	10.0	-3.2	30.0
Trichlorofluoromethane	Ave	1.944	1.876		9.65	10.0	-3.5	30.0
n-Pentane	Ave	1.259	1.140		9.06	10.0	-9.4	30.0
Ethanol	Ave	0.2815	0.2818		15.0	15.0	0.1	30.0
Ethyl ether	Ave	0.5961	0.5367		9.00	10.0	-10.0	30.0
Acrolein	Ave	0.2928	0.2511		8.57	10.0	-14.2	30.0
Freon TF	Ave	1.701	1.760		10.3	10.0	3.5	30.0
1,1-Dichloroethene	Ave	0.8242	0.8584		10.4	10.0	4.1	30.0
Acetone	Ave	1.058	0.9636		9.11	10.0	-8.9	30.0
Isopropyl alcohol	Ave	0.8477	0.7579		8.94	10.0	-10.6	30.0
Carbon disulfide	Ave	2.467	2.371		9.61	10.0	-3.9	30.0
3-Chloropropene	Ave	0.8431	0.8092		9.60	10.0	-4.0	30.0
Acetonitrile	Ave	0.5544	0.4764		8.59	10.0	-14.1	30.0
Methylene Chloride	Ave	0.7821	0.7959		10.2	10.0	1.8	30.0
tert-Butyl alcohol	Ave	1.428	1.219		8.54	10.0	-14.6	30.0
Methyl tert-butyl ether	Ave	2.420	2.320		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.175	1.113		9.48	10.0	-5.2	30.0
Acrylonitrile	Ave	0.5809	0.5495		9.46	10.0	-5.4	30.0
n-Hexane	Ave	1.345	1.242		9.23	10.0	-7.7	30.0
1,1-Dichloroethane	Ave	1.435	1.385		9.65	10.0	-3.5	30.0
Vinyl acetate	Ave	1.785	1.694		9.49	10.0	-5.1	30.0
Methyl Ethyl Ketone	Ave	0.4385	0.4055		9.25	10.0	-7.5	30.0
cis-1,2-Dichloroethene	Ave	0.9273	0.9152		9.87	10.0	-1.3	30.0
Ethyl acetate	Ave	0.0859	0.0814		9.47	10.0	-5.3	30.0
Tetrahydrofuran	Ave	0.1617	0.1503		9.29	10.0	-7.1	30.0
Chloroform	Ave	1.700	1.622		9.54	10.0	-4.6	30.0
1,1,1-Trichloroethane	Ave	0.3552	0.3368		9.48	10.0	-5.2	30.0
Cyclohexane	Ave	0.2644	0.2519		9.53	10.0	-4.7	30.0
Carbon tetrachloride	Ave	0.3851	0.3655		9.49	10.0	-5.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
2,2,4-Trimethylpentane	Ave	0.8426	0.7874		9.34	10.0	-6.5	30.0
Benzene	Ave	0.5681	0.5305		9.34	10.0	-6.6	30.0
1,2-Dichloroethane	Ave	0.1984	0.1892		9.53	10.0	-4.6	30.0
n-Heptane	Ave	0.2845	0.2584		9.08	10.0	-9.2	30.0
n-Butanol	Ave	0.0915	0.0697		7.62	10.0	-23.8	30.0
Trichloroethene	Ave	0.2489	0.2329		9.36	10.0	-6.4	30.0
1,2-Dichloropropane	Ave	0.1978	0.1803		9.11	10.0	-8.8	30.0
Methyl methacrylate	Ave	0.1998	0.1877		9.39	10.0	-6.0	30.0
1,4-Dioxane	Ave	0.0855	0.0722		8.45	10.0	-15.5	30.0
Dibromomethane	Ave	0.2627	0.2507		9.54	10.0	-4.6	30.0
Bromodichloromethane	Ave	0.3771	0.3681		9.76	10.0	-2.4	30.0
cis-1,3-Dichloropropene	Ave	0.3111	0.2859		9.19	10.0	-8.1	30.0
methyl isobutyl ketone	Ave	0.3379	0.3201		9.47	10.0	-5.3	30.0
Toluene	Ave	0.4952	0.4772		9.64	10.0	-3.6	30.0
n-Octane	Ave	0.3895	0.3565		9.15	10.0	-8.5	30.0
trans-1,3-Dichloropropene	Ave	0.3087	0.2837		9.19	10.0	-8.1	30.0
1,1,2-Trichloroethane	Ave	0.2297	0.2119		9.22	10.0	-7.7	30.0
Tetrachloroethene	Ave	0.4701	0.4530		9.63	10.0	-3.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3683	0.3518		9.55	10.0	-4.5	30.0
Dibromochloromethane	Ave	0.4879	0.5031		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.4321	0.4133		9.56	10.0	-4.4	30.0
Chlorobenzene	Ave	0.6974	0.6600		9.46	10.0	-5.4	30.0
Ethylbenzene	Ave	1.076	1.033		9.60	10.0	-4.0	30.0
n-Nonane	Ave	0.4840	0.4628		9.56	10.0	-4.4	30.0
m,p-Xylene	Ave	0.4343	0.4184		19.3	20.0	-3.7	30.0
Xylene, o-	Ave	0.4278	0.4058		9.48	10.0	-5.2	30.0
Styrene	Ave	0.6441	0.6308		9.79	10.0	-2.1	30.0
Bromoform	Ave	0.5168	0.5303		10.3	10.0	2.6	30.0
Cumene	Ave	1.250	1.220		9.76	10.0	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5989	0.5509		9.20	10.0	-8.0	30.0
n-Propylbenzene	Ave	1.394	1.377		9.88	10.0	-1.2	30.0
1,2,3-Trichloropropane	Ave	0.4364	0.4264		9.77	10.0	-2.3	30.0
n-Decane	Ave	0.6028	0.5854		9.71	10.0	-2.9	30.0
4-Ethyltoluene	Ave	1.230	1.248		10.1	10.0	1.4	30.0
2-Chlorotoluene	Ave	1.091	1.064		9.74	10.0	-2.5	30.0
1,3,5-Trimethylbenzene	Ave	1.062	1.019		9.59	10.0	-4.0	30.0
Alpha Methyl Styrene	Ave	0.5050	0.5251		10.4	10.0	4.0	30.0
tert-Butylbenzene	Ave	1.047	1.028		9.81	10.0	-1.9	30.0
1,2,4-Trimethylbenzene	Ave	1.032	0.9761		9.46	10.0	-5.4	30.0
sec-Butylbenzene	Ave	1.522	1.490		9.79	10.0	-2.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
4-Isopropyltoluene	Ave	1.314	1.307		9.95	10.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	0.7001	0.6609		9.44	10.0	-5.6	30.0
1,4-Dichlorobenzene	Ave	0.6814	0.6406		9.40	10.0	-6.0	30.0
Benzyl chloride	Ave	0.6872	0.7134		10.4	10.0	3.8	30.0
n-Undecane	Ave	0.6331	0.6282		9.92	10.0	-0.8	30.0
n-Butylbenzene	Ave	1.017	1.026		10.1	10.0	0.9	30.0
1,2-Dichlorobenzene	Ave	0.6853	0.6280		9.16	10.0	-8.4	30.0
n-Dodecane	Ave	0.4789	0.3023		6.31	10.0	-36.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.4089	0.3146		7.69	10.0	-23.1	30.0
Hexachlorobutadiene	Ave	0.6207	0.5506		8.87	10.0	-11.3	30.0
Naphthalene	Ave	0.8244	0.6204		7.52	10.0	-24.7	30.0
1,2,3-Trichlorobenzene	Ave	0.2843	0.2463		8.66	10.0	-13.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59280/2 Calibration Date: 08/02/2013 10:15

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blar002.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
Propylene	Ave	0.3686	0.4283		11.6	10.0	16.2	30.0
Dichlorodifluoromethane	Ave	1.442	1.746		12.1	10.0	21.1	30.0
Freon 22	Ave	0.7947	0.9304		11.7	10.0	17.1	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.588	1.893		11.9	10.0	19.2	30.0
Chloromethane	Ave	0.4441	0.5098		11.5	10.0	14.8	30.0
n-Butane	Ave	0.7472	0.8342		11.2	10.0	11.6	30.0
Vinyl chloride	Ave	0.5603	0.6418		11.5	10.0	14.5	30.0
1,3-Butadiene	Ave	0.4080	0.4647		11.4	10.0	13.9	30.0
Bromomethane	Ave	0.6778	0.7914		11.7	10.0	16.8	30.0
Chloroethane	Ave	0.3934	0.4553		11.6	10.0	15.7	30.0
Isopentane	Ave	0.7998	0.9001		11.3	10.0	12.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8176	0.8881		10.9	10.0	8.6	30.0
Trichlorofluoromethane	Ave	1.944	2.108		10.8	10.0	8.5	30.0
n-Pentane	Ave	1.259	1.434		11.4	10.0	13.9	30.0
Ethanol	Ave	0.2815	0.3235		17.2	15.0	14.9	30.0
Ethyl ether	Ave	0.5961	0.6573		11.0	10.0	10.3	30.0
Acrolein	Ave	0.2928	0.3433		11.7	10.0	17.3	30.0
Freon TF	Ave	1.701	1.815		10.7	10.0	6.7	30.0
1,1-Dichloroethene	Ave	0.8242	0.8719		10.6	10.0	5.8	30.0
Acetone	Ave	1.058	1.169		11.0	10.0	10.5	30.0
Isopropyl alcohol	Ave	0.8477	0.9471		11.2	10.0	11.7	30.0
Carbon disulfide	Ave	2.467	2.766		11.2	10.0	12.1	30.0
3-Chloropropene	Ave	0.8431	0.9269		11.0	10.0	9.9	30.0
Acetonitrile	Ave	0.5544	0.6556		11.8	10.0	18.3	30.0
Methylene Chloride	Ave	0.7821	0.8827		11.3	10.0	12.9	30.0
tert-Butyl alcohol	Ave	1.428	1.485		10.4	10.0	4.0	30.0
Methyl tert-butyl ether	Ave	2.420	2.551		10.5	10.0	5.4	30.0
trans-1,2-Dichloroethene	Ave	1.175	1.374		11.7	10.0	17.0	30.0
Acrylonitrile	Ave	0.5809	0.6536		11.3	10.0	12.5	30.0
n-Hexane	Ave	1.345	1.447		10.8	10.0	7.6	30.0
1,1-Dichloroethane	Ave	1.435	1.609		11.2	10.0	12.1	30.0
Vinyl acetate	Ave	1.785	2.017		11.3	10.0	13.0	30.0
Methyl Ethyl Ketone	Ave	0.4385	0.4905		11.2	10.0	11.9	30.0
cis-1,2-Dichloroethene	Ave	0.9273	1.743		18.8	10.0	87.9*	30.0
Ethyl acetate	Ave	0.0859	0.0888		10.3	10.0	3.4	30.0
Tetrahydrofuran	Ave	0.1617	0.1906		11.8	10.0	17.8	30.0
Chloroform	Ave	1.700	1.866		11.0	10.0	9.8	30.0
1,1,1-Trichloroethane	Ave	0.3552	0.3857		10.9	10.0	8.6	30.0
Cyclohexane	Ave	0.2644	0.2894		10.9	10.0	9.5	30.0
Carbon tetrachloride	Ave	0.3851	0.4043		10.5	10.0	5.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59280/2 Calibration Date: 08/02/2013 10:15

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blar002.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
2,2,4-Trimethylpentane	Ave	0.8426	0.9618		11.4	10.0	14.2	30.0
Benzene	Ave	0.5681	0.6438		11.3	10.0	13.3	30.0
1,2-Dichloroethane	Ave	0.1984	0.2169		10.9	10.0	9.3	30.0
n-Heptane	Ave	0.2845	0.3209		11.3	10.0	12.8	30.0
n-Butanol	Ave	0.0915	0.1043		11.4	10.0	14.0	30.0
Trichloroethene	Ave	0.2489	0.3174		12.7	10.0	27.5	30.0
1,2-Dichloropropane	Ave	0.1978	0.2266		11.5	10.0	14.6	30.0
Methyl methacrylate	Ave	0.1998	0.2231		11.2	10.0	11.7	30.0
1,4-Dioxane	Ave	0.0855	0.0979		11.5	10.0	14.6	30.0
Dibromomethane	Ave	0.2627	0.2783		10.6	10.0	5.9	30.0
Bromodichloromethane	Ave	0.3771	0.4243		11.2	10.0	12.5	30.0
cis-1,3-Dichloropropene	Ave	0.3111	0.3481		11.2	10.0	11.9	30.0
methyl isobutyl ketone	Ave	0.3379	0.3907		11.6	10.0	15.6	30.0
Toluene	Ave	0.4952	0.5911		11.9	10.0	19.4	30.0
n-Octane	Ave	0.3895	0.4489		11.5	10.0	15.3	30.0
trans-1,3-Dichloropropene	Ave	0.3087	0.3426		11.1	10.0	11.0	30.0
1,1,2-Trichloroethane	Ave	0.2297	0.2826		12.3	10.0	23.0	30.0
Tetrachloroethene	Ave	0.4701	0.6592		14.0	10.0	40.2*	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3683	0.4615		12.5	10.0	25.3	30.0
Dibromochloromethane	Ave	0.4879	0.5670		11.6	10.0	16.2	30.0
1,2-Dibromoethane	Ave	0.4321	0.5178		12.0	10.0	19.8	30.0
Chlorobenzene	Ave	0.6974	0.8108		11.6	10.0	16.3	30.0
Ethylbenzene	Ave	1.076	1.294		12.0	10.0	20.2	30.0
n-Nonane	Ave	0.4840	0.5934		12.3	10.0	22.6	30.0
m,p-Xylene	Ave	0.4343	0.5151		23.7	20.0	18.6	30.0
Xylene, o-	Ave	0.4278	0.5001		11.7	10.0	16.9	30.0
Styrene	Ave	0.6441	0.7823		12.1	10.0	21.5	30.0
Bromoform	Ave	0.5168	0.6106		11.8	10.0	18.2	30.0
Cumene	Ave	1.250	1.467		11.7	10.0	17.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5989	0.7464		12.5	10.0	24.6	30.0
n-Propylbenzene	Ave	1.394	1.742		12.5	10.0	25.0	30.0
1,2,3-Trichloropropane	Ave	0.4364	0.5505		12.6	10.0	26.1	30.0
n-Decane	Ave	0.6028	0.7656		12.7	10.0	27.0	30.0
4-Ethyltoluene	Ave	1.230	1.512		12.3	10.0	22.9	30.0
2-Chlorotoluene	Ave	1.091	1.327		12.2	10.0	21.5	30.0
1,3,5-Trimethylbenzene	Ave	1.062	1.247		11.7	10.0	17.4	30.0
Alpha Methyl Styrene	Ave	0.5050	0.6279		12.4	10.0	24.3	30.0
tert-Butylbenzene	Ave	1.047	1.202		11.5	10.0	14.7	30.0
1,2,4-Trimethylbenzene	Ave	1.032	1.236		12.0	10.0	19.8	30.0
sec-Butylbenzene	Ave	1.522	1.797		11.8	10.0	18.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59280/2 Calibration Date: 08/02/2013 10:15

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blar002.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
4-Isopropyltoluene	Ave	1.314	1.552		11.8	10.0	18.1	30.0
1,3-Dichlorobenzene	Ave	0.7001	0.8553		12.2	10.0	22.2	30.0
1,4-Dichlorobenzene	Ave	0.6814	0.8327		12.2	10.0	22.2	30.0
Benzyl chloride	Ave	0.6872	0.9695		14.1	10.0	41.1*	30.0
n-Undecane	Ave	0.6331	0.8263		13.0	10.0	30.5*	30.0
n-Butylbenzene	Ave	1.017	1.341		13.2	10.0	31.9*	30.0
1,2-Dichlorobenzene	Ave	0.6853	0.8192		12.0	10.0	19.5	30.0
n-Dodecane	Ave	0.4789	0.5650		11.8	10.0	18.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4089	0.5112		12.5	10.0	25.0	30.0
Hexachlorobutadiene	Ave	0.6207	0.7062		11.4	10.0	13.8	30.0
Naphthalene	Ave	0.8244	0.9930		12.0	10.0	20.4	30.0
1,2,3-Trichlorobenzene	Ave	0.2843	0.4495		15.8	10.0	58.1*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-58867/13 Calibration Date: 07/23/2013 19:25

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: wai13.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
Propylene	Ave	1.043	0.8822		8.45	10.0	-15.5	30.0
Dichlorodifluoromethane	Ave	4.230	3.878		9.17	10.0	-8.3	30.0
Freon 22	Ave	2.083	1.841		8.84	10.0	-11.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.112	4.370		8.55	10.0	-14.5	30.0
Chloromethane	Ave	1.226	1.073		8.75	10.0	-12.5	30.0
n-Butane	Ave	2.148	1.826		8.50	10.0	-15.0	30.0
Vinyl chloride	Ave	1.721	1.359		7.90	10.0	-21.0	30.0
1,3-Butadiene	Ave	1.187	1.021		8.61	10.0	-13.9	30.0
Bromomethane	Ave	1.785	1.440		8.07	10.0	-19.3	30.0
Chloroethane	Ave	0.8619	0.7689		8.92	10.0	-10.8	30.0
Isopentane	Ave	1.909	1.543		8.08	10.0	-19.2	30.0
Bromoethene(Vinyl Bromide)	Ave	2.042	1.837		8.99	10.0	-10.1	30.0
Trichlorofluoromethane	Ave	4.898	4.238		8.65	10.0	-13.5	30.0
n-Pentane	Ave	2.696	2.331		8.65	10.0	-13.5	30.0
Ethanol	Ave	0.5588	0.5249		14.1	15.0	-6.1	30.0
Ethyl ether	Ave	1.246	1.019		8.17	10.0	-18.3	30.0
Acrolein	Ave	0.5781	0.4170		7.21	10.0	-27.9	30.0
Freon TF	Ave	3.899	3.700		9.49	10.0	-5.1	30.0
1,1-Dichloroethene	Ave	1.887	1.839		9.75	10.0	-2.5	30.0
Acetone	Ave	1.922	2.004		10.4	10.0	4.3	30.0
Carbon disulfide	Ave	4.921	4.571		9.29	10.0	-7.1	30.0
Isopropyl alcohol	Ave	1.653	1.426		8.62	10.0	-13.8	30.0
3-Chloropropene	Ave	1.839	1.455		7.91	10.0	-20.9	30.0
Acetonitrile	Ave	0.9836	0.9022		9.17	10.0	-8.3	30.0
Methylene Chloride	Ave	1.507	1.411		9.36	10.0	-6.4	30.0
tert-Butyl alcohol	Ave	2.597	2.430		9.36	10.0	-6.4	30.0
Methyl tert-butyl ether	Ave	5.030	4.472		8.89	10.0	-11.1	30.0
trans-1,2-Dichloroethene	Ave	2.401	2.036		8.48	10.0	-15.2	30.0
Acrylonitrile	Ave	1.092	0.9834		9.00	10.0	-9.9	30.0
n-Hexane	Ave	2.737	2.335		8.53	10.0	-14.7	30.0
1,1-Dichloroethane	Ave	3.102	2.556		8.24	10.0	-17.6	30.0
Vinyl acetate	Ave	3.418	3.119		9.12	10.0	-8.7	30.0
cis-1,2-Dichloroethene	Ave	2.146	1.941		9.04	10.0	-9.5	30.0
Methyl Ethyl Ketone	Ave	0.9051	0.8333		9.20	10.0	-7.9	30.0
Ethyl acetate	Ave	0.1764	0.1707		9.67	10.0	-3.2	30.0
Tetrahydrofuran	Ave	0.3342	0.2975		8.90	10.0	-11.0	30.0
Chloroform	Ave	3.754	3.267		8.70	10.0	-12.9	30.0
Cyclohexane	Ave	0.5797	0.5165		8.91	10.0	-10.9	30.0
1,1,1-Trichloroethane	Ave	0.8308	0.7303		8.79	10.0	-12.1	30.0
Carbon tetrachloride	Ave	0.9238	0.8051		8.71	10.0	-12.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-58867/13 Calibration Date: 07/23/2013 19:25

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: wai13.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
2,2,4-Trimethylpentane	Ave	1.729	1.506		8.71	10.0	-12.9	30.0
Benzene	Ave	1.233	1.078		8.74	10.0	-12.6	30.0
1,2-Dichloroethane	Ave	0.4572	0.3789		8.29	10.0	-17.1	30.0
n-Heptane	Ave	0.6199	0.5152		8.31	10.0	-16.9	30.0
n-Butanol	Ave	0.1776	0.1119		6.30	10.0	-37.0*	30.0
Trichloroethene	Ave	0.5712	0.4963		8.69	10.0	-13.1	30.0
1,2-Dichloropropane	Ave	0.4043	0.3415		8.45	10.0	-15.5	30.0
Methyl methacrylate	Ave	0.4025	0.3603		8.95	10.0	-10.5	30.0
1,4-Dioxane	Ave	0.1869	0.1483		7.93	10.0	-20.7	30.0
Dibromomethane	Ave	0.7171	0.6534		9.11	10.0	-8.9	30.0
Bromodichloromethane	Ave	0.8144	0.7382		9.06	10.0	-9.4	30.0
cis-1,3-Dichloropropene	Ave	0.6213	0.5399		8.69	10.0	-13.1	30.0
methyl isobutyl ketone	Ave	0.7444	0.6302		8.47	10.0	-15.3	30.0
n-Octane	Ave	0.8292	0.6871		8.28	10.0	-17.1	30.0
Toluene	Ave	1.067	0.9247		8.67	10.0	-13.3	30.0
trans-1,3-Dichloropropene	Ave	0.6273	0.5327		8.49	10.0	-15.1	30.0
1,1,2-Trichloroethane	Ave	0.4790	0.3919		8.18	10.0	-18.2	30.0
Tetrachloroethene	Ave	1.236	1.051		8.50	10.0	-14.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7406	0.5957		8.04	10.0	-19.6	30.0
Dibromochloromethane	Ave	1.062	1.017		9.58	10.0	-4.2	30.0
1,2-Dibromoethane	Ave	0.9404	0.8145		8.66	10.0	-13.4	30.0
Chlorobenzene	Ave	1.548	1.318		8.51	10.0	-14.9	30.0
Ethylbenzene	Ave	2.220	1.940		8.74	10.0	-12.6	30.0
n-Nonane	Ave	0.9170	0.7842		8.55	10.0	-14.5	30.0
m,p-Xylene	Ave	0.9662	0.8500		17.6	20.0	-12.0	30.0
Xylene, o-	Ave	0.9677	0.8301		8.58	10.0	-14.2	30.0
Styrene	Ave	1.390	1.288		9.27	10.0	-7.3	30.0
Bromoform	Ave	1.199	1.194		9.95	10.0	-0.5	30.0
Cumene	Ave	2.605	2.362		9.06	10.0	-9.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.212	1.004		8.29	10.0	-17.1	30.0
n-Propylbenzene	Ave	2.787	2.546		9.14	10.0	-8.6	30.0
1,2,3-Trichloropropane	Ave	0.8274	0.7502		9.06	10.0	-9.3	30.0
n-Decane	Ave	1.063	0.9787		9.20	10.0	-8.0	30.0
4-Ethyltoluene	Ave	2.548	2.383		9.35	10.0	-6.5	30.0
2-Chlorotoluene	Ave	2.078	1.871		9.00	10.0	-10.0	30.0
1,3,5-Trimethylbenzene	Ave	2.226	1.958		8.80	10.0	-12.0	30.0
Alpha Methyl Styrene	Ave	1.105	1.072		9.70	10.0	-2.9	30.0
tert-Butylbenzene	Ave	2.306	2.078		9.01	10.0	-9.9	30.0
1,2,4-Trimethylbenzene	Ave	2.195	1.907		8.69	10.0	-13.1	30.0
sec-Butylbenzene	Ave	3.124	2.842		9.10	10.0	-9.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: ICV 200-58867/13 Calibration Date: 07/23/2013 19:25

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: wai13.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
4-Isopropyltoluene	Ave	2.770	2.562		9.24	10.0	-7.5	30.0
1,3-Dichlorobenzene	Ave	1.677	1.468		8.76	10.0	-12.4	30.0
1,4-Dichlorobenzene	Ave	1.592	1.408		8.84	10.0	-11.5	30.0
Benzyl chloride	Ave	1.311	0.9246		7.05	10.0	-29.5	30.0
n-Undecane	Ave	1.066	1.033		9.69	10.0	-3.1	30.0
n-Butylbenzene	Ave	2.096	1.929		9.20	10.0	-8.0	30.0
1,2-Dichlorobenzene	Ave	1.617	1.365		8.44	10.0	-15.6	30.0
n-Dodecane	Ave	0.8529	0.7794		9.14	10.0	-8.6	30.0
1,2,4-Trichlorobenzene	Ave	1.006	0.8365		8.31	10.0	-16.9	30.0
Hexachlorobutadiene	Ave	1.527	1.292		8.46	10.0	-15.4	30.0
Naphthalene	Ave	1.813	1.614		8.90	10.0	-11.0	30.0
1,2,3-Trichlorobenzene	Ave	0.9521	0.8635		9.07	10.0	-9.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59271/2 Calibration Date: 07/31/2013 15:05

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: waif08.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
Propylene	Ave	1.043	0.8584		8.22	10.0	-17.7	30.0
Dichlorodifluoromethane	Ave	4.230	3.558		8.41	10.0	-15.9	30.0
Freon 22	Ave	2.083	1.702		8.17	10.0	-18.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	5.112	4.024		7.87	10.0	-21.3	30.0
Chloromethane	Ave	1.226	1.013		8.26	10.0	-17.3	30.0
n-Butane	Ave	2.148	1.730		8.05	10.0	-19.5	30.0
Vinyl chloride	Ave	1.721	1.250		7.26	10.0	-27.4	30.0
1,3-Butadiene	Ave	1.187	0.9023		7.60	10.0	-24.0	30.0
Bromomethane	Ave	1.785	1.379		7.72	10.0	-22.8	30.0
Chloroethane	Ave	0.8619	0.7234		8.39	10.0	-16.1	30.0
Isopentane	Ave	1.909	1.452		7.60	10.0	-23.9	30.0
Bromoethene(Vinyl Bromide)	Ave	2.042	1.627		7.96	10.0	-20.4	30.0
Trichlorofluoromethane	Ave	4.898	3.803		7.76	10.0	-22.4	30.0
n-Pentane	Ave	2.696	2.230		8.27	10.0	-17.3	30.0
Ethanol	Ave	0.5588	0.5048		13.6	15.0	-9.7	30.0
Ethyl ether	Ave	1.246	0.9784		7.85	10.0	-21.5	30.0
Acrolein	Ave	0.5781	0.5004		8.66	10.0	-13.4	30.0
Freon TF	Ave	3.899	3.086		7.91	10.0	-20.8	30.0
1,1-Dichloroethene	Ave	1.887	1.500		7.95	10.0	-20.5	30.0
Acetone	Ave	1.922	1.695		8.82	10.0	-11.8	30.0
Carbon disulfide	Ave	4.921	4.130		8.39	10.0	-16.1	30.0
Isopropyl alcohol	Ave	1.653	1.474		8.91	10.0	-10.9	30.0
3-Chloropropene	Ave	1.839	1.406		7.65	10.0	-23.5	30.0
Acetonitrile	Ave	0.9836	0.8617		8.76	10.0	-12.4	30.0
Methylene Chloride	Ave	1.507	1.221		8.10	10.0	-19.0	30.0
tert-Butyl alcohol	Ave	2.597	2.308		8.89	10.0	-11.1	30.0
Methyl tert-butyl ether	Ave	5.030	3.965		7.88	10.0	-21.2	30.0
trans-1,2-Dichloroethene	Ave	2.401	1.861		7.75	10.0	-22.5	30.0
Acrylonitrile	Ave	1.092	0.9073		8.31	10.0	-16.9	30.0
n-Hexane	Ave	2.737	2.145		7.83	10.0	-21.7	30.0
1,1-Dichloroethane	Ave	3.102	2.332		7.52	10.0	-24.8	30.0
Vinyl acetate	Ave	3.418	2.937		8.59	10.0	-14.1	30.0
cis-1,2-Dichloroethene	Ave	2.146	1.709		7.96	10.0	-20.4	30.0
Methyl Ethyl Ketone	Ave	0.9051	0.7473		8.25	10.0	-17.4	30.0
Ethyl acetate	Ave	0.1764	0.1521		8.62	10.0	-13.8	30.0
Tetrahydrofuran	Ave	0.3342	0.2792		8.35	10.0	-16.5	30.0
Chloroform	Ave	3.754	2.946		7.85	10.0	-21.5	30.0
Cyclohexane	Ave	0.5797	0.4738		8.17	10.0	-18.3	30.0
1,1,1-Trichloroethane	Ave	0.8308	0.6670		8.03	10.0	-19.7	30.0
Carbon tetrachloride	Ave	0.9238	0.7411		8.02	10.0	-19.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59271/2 Calibration Date: 07/31/2013 15:05

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: waif08.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
2,2,4-Trimethylpentane	Ave	1.729	1.386		8.01	10.0	-19.9	30.0
Benzene	Ave	1.233	0.998		8.09	10.0	-19.1	30.0
1,2-Dichloroethane	Ave	0.4572	0.3463		7.57	10.0	-24.3	30.0
n-Heptane	Ave	0.6199	0.4733		7.63	10.0	-23.6	30.0
n-Butanol	Ave	0.1776	0.1575		8.87	10.0	-11.3	30.0
Trichloroethene	Ave	0.5712	0.4543		7.95	10.0	-20.5	30.0
1,2-Dichloropropane	Ave	0.4043	0.3216		7.95	10.0	-20.5	30.0
Methyl methacrylate	Ave	0.4025	0.3375		8.38	10.0	-16.1	30.0
1,4-Dioxane	Ave	0.1869	0.1679		8.98	10.0	-10.2	30.0
Dibromomethane	Ave	0.7171	0.5903		8.23	10.0	-17.7	30.0
Bromodichloromethane	Ave	0.8144	0.6620		8.13	10.0	-18.7	30.0
cis-1,3-Dichloropropene	Ave	0.6213	0.5122		8.24	10.0	-17.6	30.0
methyl isobutyl ketone	Ave	0.7444	0.5888		7.91	10.0	-20.9	30.0
n-Octane	Ave	0.8292	0.6361		7.67	10.0	-23.3	30.0
Toluene	Ave	1.067	0.8479		7.95	10.0	-20.5	30.0
trans-1,3-Dichloropropene	Ave	0.6273	0.5176		8.25	10.0	-17.5	30.0
1,1,2-Trichloroethane	Ave	0.4790	0.3744		7.81	10.0	-21.8	30.0
Tetrachloroethene	Ave	1.236	0.9572		7.74	10.0	-22.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.7406	0.5827		7.87	10.0	-21.3	30.0
Dibromochloromethane	Ave	1.062	0.8930		8.41	10.0	-15.9	30.0
1,2-Dibromoethane	Ave	0.9404	0.7605		8.09	10.0	-19.1	30.0
Chlorobenzene	Ave	1.548	1.211		7.83	10.0	-21.7	30.0
Ethylbenzene	Ave	2.220	1.766		7.95	10.0	-20.5	30.0
n-Nonane	Ave	0.9170	0.7133		7.78	10.0	-22.2	30.0
m,p-Xylene	Ave	0.9662	0.7862		16.3	20.0	-18.6	30.0
Xylene, o-	Ave	0.9677	0.7669		7.92	10.0	-20.7	30.0
Styrene	Ave	1.390	1.179		8.48	10.0	-15.2	30.0
Bromoform	Ave	1.199	1.078		8.99	10.0	-10.1	30.0
Cumene	Ave	2.605	2.133		8.19	10.0	-18.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.212	0.9669		7.98	10.0	-20.2	30.0
n-Propylbenzene	Ave	2.787	2.351		8.43	10.0	-15.6	30.0
1,2,3-Trichloropropane	Ave	0.8274	0.6969		8.42	10.0	-15.8	30.0
n-Decane	Ave	1.063	0.9066		8.52	10.0	-14.7	30.0
4-Ethyltoluene	Ave	2.548	2.180		8.56	10.0	-14.4	30.0
2-Chlorotoluene	Ave	2.078	1.681		8.09	10.0	-19.1	30.0
1,3,5-Trimethylbenzene	Ave	2.226	1.829		8.22	10.0	-17.8	30.0
Alpha Methyl Styrene	Ave	1.105	0.9871		8.93	10.0	-10.6	30.0
tert-Butylbenzene	Ave	2.306	1.879		8.15	10.0	-18.5	30.0
1,2,4-Trimethylbenzene	Ave	2.195	1.809		8.24	10.0	-17.6	30.0
sec-Butylbenzene	Ave	3.124	2.626		8.40	10.0	-15.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Lab Sample ID: CCVIS 200-59271/2 Calibration Date: 07/31/2013 15:05

Instrument ID: W.i Calib Start Date: 07/23/2013 11:11

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 07/23/2013 16:58

Lab File ID: waif08.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
4-Isopropyltoluene	Ave	2.770	2.361		8.52	10.0	-14.8	30.0
1,3-Dichlorobenzene	Ave	1.677	1.406		8.38	10.0	-16.2	30.0
1,4-Dichlorobenzene	Ave	1.592	1.342		8.43	10.0	-15.7	30.0
Benzyl chloride	Ave	1.311	1.196		9.12	10.0	-8.8	30.0
n-Undecane	Ave	1.066	0.9499		8.91	10.0	-10.9	30.0
n-Butylbenzene	Ave	2.096	1.792		8.55	10.0	-14.5	30.0
1,2-Dichlorobenzene	Ave	1.617	1.325		8.19	10.0	-18.0	30.0
n-Dodecane	Ave	0.8529	0.7173		8.41	10.0	-15.9	30.0
1,2,4-Trichlorobenzene	Ave	1.006	0.6950		6.91	10.0	-30.9*	30.0
Hexachlorobutadiene	Ave	1.527	1.223		8.01	10.0	-19.9	30.0
Naphthalene	Ave	1.813	1.246		6.87	10.0	-31.3*	30.0
1,2,3-Trichlorobenzene	Ave	0.9521	0.6613		6.94	10.0	-30.5*	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
Propylene	Ave	0.3686	0.3411		9.25	10.0	-7.5	30.0
Dichlorodifluoromethane	Ave	1.442	1.385		9.60	10.0	-3.9	30.0
Freon 22	Ave	0.7947	0.7512		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.588	1.510		9.50	10.0	-4.9	30.0
Chloromethane	Ave	0.4441	0.4237		9.54	10.0	-4.6	30.0
n-Butane	Ave	0.7472	0.6988		9.35	10.0	-6.5	30.0
Vinyl chloride	Ave	0.5603	0.5413		9.66	10.0	-3.4	30.0
1,3-Butadiene	Ave	0.4080	0.4038		9.89	10.0	-1.0	30.0
Bromomethane	Ave	0.6778	0.6256		9.23	10.0	-7.7	30.0
Chloroethane	Ave	0.3934	0.3670		9.33	10.0	-6.7	30.0
Isopentane	Ave	0.7998	0.7245		9.06	10.0	-9.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8176	0.7918		9.68	10.0	-3.2	30.0
Trichlorofluoromethane	Ave	1.944	1.876		9.65	10.0	-3.5	30.0
n-Pentane	Ave	1.259	1.140		9.06	10.0	-9.4	30.0
Ethanol	Ave	0.2815	0.2818		15.0	15.0	0.1	30.0
Ethyl ether	Ave	0.5961	0.5367		9.00	10.0	-10.0	30.0
Acrolein	Ave	0.2928	0.2511		8.57	10.0	-14.2	30.0
Freon TF	Ave	1.701	1.760		10.3	10.0	3.5	30.0
1,1-Dichloroethene	Ave	0.8242	0.8584		10.4	10.0	4.1	30.0
Acetone	Ave	1.058	0.9636		9.11	10.0	-8.9	30.0
Isopropyl alcohol	Ave	0.8477	0.7579		8.94	10.0	-10.6	30.0
Carbon disulfide	Ave	2.467	2.371		9.61	10.0	-3.9	30.0
3-Chloropropene	Ave	0.8431	0.8092		9.60	10.0	-4.0	30.0
Acetonitrile	Ave	0.5544	0.4764		8.59	10.0	-14.1	30.0
Methylene Chloride	Ave	0.7821	0.7959		10.2	10.0	1.8	30.0
tert-Butyl alcohol	Ave	1.428	1.219		8.54	10.0	-14.6	30.0
Methyl tert-butyl ether	Ave	2.420	2.320		9.59	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.175	1.113		9.48	10.0	-5.2	30.0
Acrylonitrile	Ave	0.5809	0.5495		9.46	10.0	-5.4	30.0
n-Hexane	Ave	1.345	1.242		9.23	10.0	-7.7	30.0
1,1-Dichloroethane	Ave	1.435	1.385		9.65	10.0	-3.5	30.0
Vinyl acetate	Ave	1.785	1.694		9.49	10.0	-5.1	30.0
Methyl Ethyl Ketone	Ave	0.4385	0.4055		9.25	10.0	-7.5	30.0
cis-1,2-Dichloroethene	Ave	0.9273	0.9152		9.87	10.0	-1.3	30.0
Ethyl acetate	Ave	0.0859	0.0814		9.47	10.0	-5.3	30.0
Tetrahydrofuran	Ave	0.1617	0.1503		9.29	10.0	-7.1	30.0
Chloroform	Ave	1.700	1.622		9.54	10.0	-4.6	30.0
1,1,1-Trichloroethane	Ave	0.3552	0.3368		9.48	10.0	-5.2	30.0
Cyclohexane	Ave	0.2644	0.2519		9.53	10.0	-4.7	30.0
Carbon tetrachloride	Ave	0.3851	0.3655		9.49	10.0	-5.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
2,2,4-Trimethylpentane	Ave	0.8426	0.7874		9.34	10.0	-6.5	30.0
Benzene	Ave	0.5681	0.5305		9.34	10.0	-6.6	30.0
1,2-Dichloroethane	Ave	0.1984	0.1892		9.53	10.0	-4.6	30.0
n-Heptane	Ave	0.2845	0.2584		9.08	10.0	-9.2	30.0
n-Butanol	Ave	0.0915	0.0697		7.62	10.0	-23.8	30.0
Trichloroethene	Ave	0.2489	0.2329		9.36	10.0	-6.4	30.0
1,2-Dichloropropane	Ave	0.1978	0.1803		9.11	10.0	-8.8	30.0
Methyl methacrylate	Ave	0.1998	0.1877		9.39	10.0	-6.0	30.0
1,4-Dioxane	Ave	0.0855	0.0722		8.45	10.0	-15.5	30.0
Dibromomethane	Ave	0.2627	0.2507		9.54	10.0	-4.6	30.0
Bromodichloromethane	Ave	0.3771	0.3681		9.76	10.0	-2.4	30.0
cis-1,3-Dichloropropene	Ave	0.3111	0.2859		9.19	10.0	-8.1	30.0
methyl isobutyl ketone	Ave	0.3379	0.3201		9.47	10.0	-5.3	30.0
Toluene	Ave	0.4952	0.4772		9.64	10.0	-3.6	30.0
n-Octane	Ave	0.3895	0.3565		9.15	10.0	-8.5	30.0
trans-1,3-Dichloropropene	Ave	0.3087	0.2837		9.19	10.0	-8.1	30.0
1,1,2-Trichloroethane	Ave	0.2297	0.2119		9.22	10.0	-7.7	30.0
Tetrachloroethene	Ave	0.4701	0.4530		9.63	10.0	-3.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3683	0.3518		9.55	10.0	-4.5	30.0
Dibromochloromethane	Ave	0.4879	0.5031		10.3	10.0	3.1	30.0
1,2-Dibromoethane	Ave	0.4321	0.4133		9.56	10.0	-4.4	30.0
Chlorobenzene	Ave	0.6974	0.6600		9.46	10.0	-5.4	30.0
Ethylbenzene	Ave	1.076	1.033		9.60	10.0	-4.0	30.0
n-Nonane	Ave	0.4840	0.4628		9.56	10.0	-4.4	30.0
m,p-Xylene	Ave	0.4343	0.4184		19.3	20.0	-3.7	30.0
Xylene, o-	Ave	0.4278	0.4058		9.48	10.0	-5.2	30.0
Styrene	Ave	0.6441	0.6308		9.79	10.0	-2.1	30.0
Bromoform	Ave	0.5168	0.5303		10.3	10.0	2.6	30.0
Cumene	Ave	1.250	1.220		9.76	10.0	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5989	0.5509		9.20	10.0	-8.0	30.0
n-Propylbenzene	Ave	1.394	1.377		9.88	10.0	-1.2	30.0
1,2,3-Trichloropropane	Ave	0.4364	0.4264		9.77	10.0	-2.3	30.0
n-Decane	Ave	0.6028	0.5854		9.71	10.0	-2.9	30.0
4-Ethyltoluene	Ave	1.230	1.248		10.1	10.0	1.4	30.0
2-Chlorotoluene	Ave	1.091	1.064		9.74	10.0	-2.5	30.0
1,3,5-Trimethylbenzene	Ave	1.062	1.019		9.59	10.0	-4.0	30.0
Alpha Methyl Styrene	Ave	0.5050	0.5251		10.4	10.0	4.0	30.0
tert-Butylbenzene	Ave	1.047	1.028		9.81	10.0	-1.9	30.0
1,2,4-Trimethylbenzene	Ave	1.032	0.9761		9.46	10.0	-5.4	30.0
sec-Butylbenzene	Ave	1.522	1.490		9.79	10.0	-2.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: ICV 200-57960/14 Calibration Date: 06/29/2013 21:42

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: bla014.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
4-Isopropyltoluene	Ave	1.314	1.307		9.95	10.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	0.7001	0.6609		9.44	10.0	-5.6	30.0
1,4-Dichlorobenzene	Ave	0.6814	0.6406		9.40	10.0	-6.0	30.0
Benzyl chloride	Ave	0.6872	0.7134		10.4	10.0	3.8	30.0
n-Undecane	Ave	0.6331	0.6282		9.92	10.0	-0.8	30.0
n-Butylbenzene	Ave	1.017	1.026		10.1	10.0	0.9	30.0
1,2-Dichlorobenzene	Ave	0.6853	0.6280		9.16	10.0	-8.4	30.0
n-Dodecane	Ave	0.4789	0.3023		6.31	10.0	-36.9*	30.0
1,2,4-Trichlorobenzene	Ave	0.4089	0.3146		7.69	10.0	-23.1	30.0
Hexachlorobutadiene	Ave	0.6207	0.5506		8.87	10.0	-11.3	30.0
Naphthalene	Ave	0.8244	0.6204		7.52	10.0	-24.7	30.0
1,2,3-Trichlorobenzene	Ave	0.2843	0.2463		8.66	10.0	-13.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: CCVIS 200-59648/2 Calibration Date: 08/12/2013 11:22

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blax002.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
Propylene	Ave	0.3686	0.4316		11.7	10.0	17.1	30.0
Dichlorodifluoromethane	Ave	1.442	1.751		12.1	10.0	21.5	30.0
Freon 22	Ave	0.7947	0.9177		11.5	10.0	15.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.588	1.848		11.6	10.0	16.4	30.0
Chloromethane	Ave	0.4441	0.4897		11.0	10.0	10.3	30.0
n-Butane	Ave	0.7472	0.8098		10.8	10.0	8.4	30.0
Vinyl chloride	Ave	0.5603	0.6232		11.1	10.0	11.2	30.0
1,3-Butadiene	Ave	0.4080	0.4540		11.1	10.0	11.3	30.0
Bromomethane	Ave	0.6778	0.7948		11.7	10.0	17.3	30.0
Chloroethane	Ave	0.3934	0.4633		11.8	10.0	17.8	30.0
Isopentane	Ave	0.7998	0.9191		11.5	10.0	14.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8176	0.9186		11.2	10.0	12.4	30.0
Trichlorofluoromethane	Ave	1.944	2.170		11.2	10.0	11.6	30.0
n-Pentane	Ave	1.259	1.490		11.8	10.0	18.3	30.0
Ethanol	Ave	0.2815	0.3551		18.9	15.0	26.1	30.0
Ethyl ether	Ave	0.5961	0.6920		11.6	10.0	16.1	30.0
Acrolein	Ave	0.2928	0.3710		12.7	10.0	26.7	30.0
Freon TF	Ave	1.701	1.892		11.1	10.0	11.2	30.0
1,1-Dichloroethene	Ave	0.8242	0.9134		11.1	10.0	10.8	30.0
Acetone	Ave	1.058	1.168		11.0	10.0	10.4	30.0
Isopropyl alcohol	Ave	0.8477	0.9909		11.7	10.0	16.9	30.0
Carbon disulfide	Ave	2.467	2.890		11.7	10.0	17.2	30.0
3-Chloropropene	Ave	0.8431	1.013		12.0	10.0	20.1	30.0
Acetonitrile	Ave	0.5544	0.6506		11.7	10.0	17.4	30.0
Methylene Chloride	Ave	0.7821	0.9156		11.7	10.0	17.1	30.0
tert-Butyl alcohol	Ave	1.428	1.572		11.0	10.0	10.1	30.0
Methyl tert-butyl ether	Ave	2.420	2.638		10.9	10.0	9.0	30.0
trans-1,2-Dichloroethene	Ave	1.175	1.338		11.4	10.0	13.9	30.0
Acrylonitrile	Ave	0.5809	0.6891		11.9	10.0	18.6	30.0
n-Hexane	Ave	1.345	1.524		11.3	10.0	13.3	30.0
1,1-Dichloroethane	Ave	1.435	1.671		11.6	10.0	16.4	30.0
Vinyl acetate	Ave	1.785	2.098		11.7	10.0	17.5	30.0
Methyl Ethyl Ketone	Ave	0.4385	0.4973		11.3	10.0	13.4	30.0
cis-1,2-Dichloroethene	Ave	0.9273	1.043		11.2	10.0	12.5	30.0
Ethyl acetate	Ave	0.0859	0.0952		11.1	10.0	10.7	30.0
Tetrahydrofuran	Ave	0.1617	0.1946		12.0	10.0	20.3	30.0
Chloroform	Ave	1.700	1.915		11.3	10.0	12.6	30.0
1,1,1-Trichloroethane	Ave	0.3552	0.3880		10.9	10.0	9.2	30.0
Cyclohexane	Ave	0.2644	0.2926		11.1	10.0	10.7	30.0
Carbon tetrachloride	Ave	0.3851	0.4129		10.7	10.0	7.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: CCVIS 200-59648/2 Calibration Date: 08/12/2013 11:22

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blax002.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
2,2,4-Trimethylpentane	Ave	0.8426	0.9731		11.5	10.0	15.5	30.0
Benzene	Ave	0.5681	0.6490		11.4	10.0	14.2	30.0
1,2-Dichloroethane	Ave	0.1984	0.2204		11.1	10.0	11.1	30.0
n-Heptane	Ave	0.2845	0.3264		11.5	10.0	14.7	30.0
n-Butanol	Ave	0.0915	0.1083		11.8	10.0	18.4	30.0
Trichloroethene	Ave	0.2489	0.2788		11.2	10.0	12.0	30.0
1,2-Dichloropropane	Ave	0.1978	0.2290		11.6	10.0	15.8	30.0
Methyl methacrylate	Ave	0.1998	0.2271		11.4	10.0	13.7	30.0
1,4-Dioxane	Ave	0.0855	0.1002		11.7	10.0	17.2	30.0
Dibromomethane	Ave	0.2627	0.2809		10.7	10.0	6.9	30.0
Bromodichloromethane	Ave	0.3771	0.4289		11.4	10.0	13.7	30.0
cis-1,3-Dichloropropene	Ave	0.3111	0.3496		11.2	10.0	12.4	30.0
methyl isobutyl ketone	Ave	0.3379	0.4031		11.9	10.0	19.3	30.0
Toluene	Ave	0.4952	0.5542		11.2	10.0	11.9	30.0
n-Octane	Ave	0.3895	0.4580		11.8	10.0	17.6	30.0
trans-1,3-Dichloropropene	Ave	0.3087	0.3504		11.3	10.0	13.5	30.0
1,1,2-Trichloroethane	Ave	0.2297	0.2646		11.5	10.0	15.2	30.0
Tetrachloroethene	Ave	0.4701	0.4913		10.4	10.0	4.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3683	0.4463		12.1	10.0	21.2	30.0
Dibromochloromethane	Ave	0.4879	0.5342		10.9	10.0	9.5	30.0
1,2-Dibromoethane	Ave	0.4321	0.4842		11.2	10.0	12.0	30.0
Chlorobenzene	Ave	0.6974	0.7601		10.9	10.0	9.0	30.0
Ethylbenzene	Ave	1.076	1.214		11.3	10.0	12.8	30.0
n-Nonane	Ave	0.4840	0.5594		11.6	10.0	15.6	30.0
m,p-Xylene	Ave	0.4343	0.4781		22.0	20.0	10.1	30.0
Xylene, o-	Ave	0.4278	0.4670		10.9	10.0	9.1	30.0
Styrene	Ave	0.6441	0.7337		11.4	10.0	13.9	30.0
Bromoform	Ave	0.5168	0.5773		11.2	10.0	11.7	30.0
Cumene	Ave	1.250	1.367		10.9	10.0	9.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5989	0.6993		11.7	10.0	16.8	30.0
n-Propylbenzene	Ave	1.394	1.623		11.6	10.0	16.4	30.0
1,2,3-Trichloropropane	Ave	0.4364	0.5154		11.8	10.0	18.1	30.0
n-Decane	Ave	0.6028	0.7193		11.9	10.0	19.3	30.0
4-Ethyltoluene	Ave	1.230	1.408		11.4	10.0	14.4	30.0
2-Chlorotoluene	Ave	1.091	1.241		11.4	10.0	13.7	30.0
1,3,5-Trimethylbenzene	Ave	1.062	1.169		11.0	10.0	10.1	30.0
Alpha Methyl Styrene	Ave	0.5050	0.5886		11.7	10.0	16.5	30.0
tert-Butylbenzene	Ave	1.047	1.119		10.7	10.0	6.8	30.0
1,2,4-Trimethylbenzene	Ave	1.032	1.155		11.2	10.0	12.0	30.0
sec-Butylbenzene	Ave	1.522	1.672		11.0	10.0	9.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Lab Sample ID: CCVIS 200-59648/2 Calibration Date: 08/12/2013 11:22

Instrument ID: CHB.i Calib Start Date: 06/29/2013 13:00

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/29/2013 19:05

Lab File ID: blax002.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
4-Isopropyltoluene	Ave	1.314	1.439		10.9	10.0	9.5	30.0
1,3-Dichlorobenzene	Ave	0.7001	0.7943		11.3	10.0	13.5	30.0
1,4-Dichlorobenzene	Ave	0.6814	0.7813		11.5	10.0	14.7	30.0
Benzyl chloride	Ave	0.6872	0.9475		13.8	10.0	37.9*	30.0
n-Undecane	Ave	0.6331	0.7877		12.4	10.0	24.4	30.0
n-Butylbenzene	Ave	1.017	1.224		12.0	10.0	20.3	30.0
1,2-Dichlorobenzene	Ave	0.6853	0.7630		11.1	10.0	11.3	30.0
n-Dodecane	Ave	0.4789	0.3787		7.91	10.0	-20.9	30.0
1,2,4-Trichlorobenzene	Ave	0.4089	0.4809		11.8	10.0	17.6	30.0
Hexachlorobutadiene	Ave	0.6207	0.6532		10.5	10.0	5.2	30.0
Naphthalene	Ave	0.8244	0.9789		11.9	10.0	18.7	30.0
1,2,3-Trichlorobenzene	Ave	0.2843	0.3686		13.0	10.0	29.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: ICV 200-59589/18 Calibration Date: 08/07/2013 20:50

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gih18.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
Propylene	Ave	0.2040	0.2000		9.80	10.0	-2.0	30.0
Dichlorodifluoromethane	Ave	1.895	1.825		9.63	10.0	-3.7	30.0
Freon 22	Ave	0.6749	0.6432		9.53	10.0	-4.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.913	1.661		8.68	10.0	-13.2	30.0
Chloromethane	Ave	0.3200	0.3103		9.70	10.0	-3.0	30.0
n-Butane	Ave	0.4153	0.3933		9.47	10.0	-5.3	30.0
Vinyl chloride	Ave	0.5024	0.4234		8.43	10.0	-15.7	30.0
1,3-Butadiene	Ave	0.2866	0.2611		9.11	10.0	-8.9	30.0
Bromomethane	Ave	0.7064	0.6237		8.83	10.0	-11.7	30.0
Chloroethane	Ave	0.1744	0.1713		9.82	10.0	-1.8	30.0
Isopentane	Ave	0.3163	0.2693		8.51	10.0	-14.9	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8129	0.7648		9.41	10.0	-5.9	30.0
Trichlorofluoromethane	Ave	2.311	2.117		9.16	10.0	-8.4	30.0
n-Pentane	Ave	0.4921	0.4770		9.69	10.0	-3.1	30.0
Ethanol	Ave	0.1218	0.1138		14.0	15.0	-6.6	30.0
Ethyl ether	Ave	0.2837	0.2441		8.61	10.0	-13.9	30.0
Acrolein	Ave	0.1302	0.1197		9.19	10.0	-8.1	30.0
Freon TF	Ave	1.473	1.475		10.0	10.0	0.1	30.0
1,1-Dichloroethene	Ave	0.6415	0.6329		9.86	10.0	-1.3	30.0
Acetone	Ave	0.4787	0.6505		13.6	10.0	35.9*	30.0
Carbon disulfide	Ave	1.642	1.658		10.1	10.0	1.0	30.0
Isopropyl alcohol	Ave	0.3594	0.3533		9.83	10.0	-1.7	30.0
3-Chloropropene	Ave	0.3627	0.3377		9.31	10.0	-6.9	30.0
Acetonitrile	Ave	0.1923	0.1840		9.56	10.0	-4.4	30.0
Methylene Chloride	Ave	0.4244	0.4395		10.4	10.0	3.5	30.0
tert-Butyl alcohol	Ave	0.7140	0.7116		9.96	10.0	-0.3	30.0
Methyl tert-butyl ether	Ave	1.457	1.374		9.43	10.0	-5.7	30.0
trans-1,2-Dichloroethene	Ave	0.7389	0.6754		9.14	10.0	-8.6	30.0
Acrylonitrile	Ave	0.2479	0.2458		9.91	10.0	-0.8	30.0
n-Hexane	Ave	0.6081	0.5482		9.01	10.0	-9.9	30.0
1,1-Dichloroethane	Ave	1.094	0.9740		8.90	10.0	-10.9	30.0
Vinyl acetate	Ave	0.8501	0.8566		10.1	10.0	0.8	30.0
cis-1,2-Dichloroethene	Ave	0.9603	0.9083		9.46	10.0	-5.4	30.0
Methyl Ethyl Ketone	Ave	0.3150	0.3160		10.0	10.0	0.3	30.0
Ethyl acetate	Ave	0.0499	0.0523		10.5	10.0	4.9	30.0
Tetrahydrofuran	Ave	0.0813	0.0867		10.7	10.0	6.6	30.0
Chloroform	Ave	2.180	2.044		9.37	10.0	-6.3	30.0
Cyclohexane	Ave	0.2099	0.2002		9.53	10.0	-4.6	30.0
1,1,1-Trichloroethane	Ave	0.4767	0.4431		9.29	10.0	-7.1	30.0
Carbon tetrachloride	Ave	0.6045	0.5326		8.81	10.0	-11.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: ICV 200-59589/18 Calibration Date: 08/07/2013 20:50

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gih18.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
2,2,4-Trimethylpentane	Ave	0.6870	0.6610		9.62	10.0	-3.8	30.0
Benzene	Ave	0.5758	0.5454		9.47	10.0	-5.3	30.0
1,2-Dichloroethane	Ave	0.2850	0.2634		9.24	10.0	-7.6	30.0
n-Heptane	Ave	0.2433	0.2233		9.17	10.0	-8.2	30.0
n-Butanol	Ave	0.0926	0.0828		8.94	10.0	-10.5	30.0
Trichloroethene	Ave	0.4015	0.3441		8.57	10.0	-14.3	30.0
1,2-Dichloropropane	Ave	0.2835	0.2657		9.37	10.0	-6.3	30.0
Methyl methacrylate	Ave	0.2345	0.2426		10.3	10.0	3.5	30.0
1,4-Dioxane	Ave	0.1087	0.1004		9.23	10.0	-7.7	30.0
Dibromomethane	Ave	0.3650	0.3301		9.04	10.0	-9.6	30.0
Bromodichloromethane	Ave	0.6323	0.6153		9.73	10.0	-2.7	30.0
cis-1,3-Dichloropropene	Ave	0.4398	0.4165		9.47	10.0	-5.3	30.0
methyl isobutyl ketone	Ave	0.3907	0.4136		10.6	10.0	5.8	30.0
Toluene	Ave	0.6059	0.5601		9.24	10.0	-7.6	30.0
n-Octane	Ave	0.4469	0.4119		9.21	10.0	-7.8	30.0
trans-1,3-Dichloropropene	Ave	0.4614	0.4201		9.10	10.0	-9.0	30.0
1,1,2-Trichloroethane	Ave	0.3431	0.3067		8.94	10.0	-10.6	30.0
Tetrachloroethene	Ave	0.5882	0.5027		8.54	10.0	-14.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3467	0.4004		11.5	10.0	15.5	30.0
Dibromochloromethane	Ave	0.7335	0.7286		9.93	10.0	-0.7	30.0
1,2-Dibromoethane	Ave	0.6047	0.5609		9.27	10.0	-7.2	30.0
Chlorobenzene	Ave	0.8221	0.7409		9.01	10.0	-9.9	30.0
Ethylbenzene	Ave	1.298	1.205		9.28	10.0	-7.2	30.0
n-Nonane	Ave	0.5475	0.5132		9.37	10.0	-6.3	30.0
m,p-Xylene	Ave	0.5019	0.4698		18.7	20.0	-6.4	30.0
Xylene, o-	Ave	0.5105	0.4706		9.22	10.0	-7.8	30.0
Styrene	Ave	0.6756	0.6854		10.1	10.0	1.4	30.0
Bromoform	Ave	0.7189	0.7221		10.0	10.0	0.5	30.0
Cumene	Ave	1.428	1.349		9.45	10.0	-5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8475	0.7922		9.35	10.0	-6.5	30.0
n-Propylbenzene	Ave	1.626	1.614		9.93	10.0	-0.7	30.0
1,2,3-Trichloropropane	Ave	0.5388	0.5506		10.2	10.0	2.2	30.0
n-Decane	Ave	0.5167	0.5481		10.6	10.0	6.1	30.0
4-Ethyltoluene	Ave	1.259	1.335		10.6	10.0	6.1	30.0
2-Chlorotoluene	Ave	1.098	1.114		10.2	10.0	1.5	30.0
1,3,5-Trimethylbenzene	Ave	1.188	1.113		9.36	10.0	-6.3	30.0
Alpha Methyl Styrene	Ave	0.4605	0.5227		11.3	10.0	13.5	30.0
tert-Butylbenzene	Ave	1.138	1.082		9.51	10.0	-4.9	30.0
1,2,4-Trimethylbenzene	Ave	1.142	1.078		9.44	10.0	-5.6	30.0
sec-Butylbenzene	Ave	1.695	1.663		9.81	10.0	-1.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: ICV 200-59589/18 Calibration Date: 08/07/2013 20:50

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gih18.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
4-Isopropyltoluene	Ave	1.366	1.359		9.95	10.0	-0.5	30.0
1,3-Dichlorobenzene	Ave	0.7090	0.6792		9.58	10.0	-4.2	30.0
1,4-Dichlorobenzene	Ave	0.6544	0.6180		9.44	10.0	-5.6	30.0
Benzyl chloride	Ave	0.7887	0.7928		10.0	10.0	0.5	30.0
n-Butylbenzene	Ave	1.144	1.182		10.3	10.0	3.3	30.0
n-Undecane	Ave	0.5677	0.6746		11.9	10.0	18.8	30.0
1,2-Dichlorobenzene	Ave	0.7019	0.6437		9.17	10.0	-8.3	30.0
n-Dodecane	Ave	0.3808	0.4810		12.6	10.0	26.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.2899		9.21	10.0	-7.9	30.0
Hexachlorobutadiene	Ave	0.6197	0.5713		9.22	10.0	-7.8	30.0
Naphthalene	Ave	0.7097	0.7486		10.5	10.0	5.5	30.0
1,2,3-Trichlorobenzene	Ave	0.2640	0.3164		12.0	10.0	19.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: CCVIS 200-59994/2 Calibration Date: 08/14/2013 12:15

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gihe02.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
Propylene	Ave	0.2040	0.2313		11.3	10.0	13.4	30.0
Dichlorodifluoromethane	Ave	1.895	2.082		11.0	10.0	9.9	30.0
Freon 22	Ave	0.6749	0.7775		11.5	10.0	15.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.913	1.956		10.2	10.0	2.3	30.0
Chloromethane	Ave	0.3200	0.3845		12.0	10.0	20.2	30.0
n-Butane	Ave	0.4153	0.4916		11.8	10.0	18.3	30.0
Vinyl chloride	Ave	0.5024	0.5172		10.3	10.0	3.0	30.0
1,3-Butadiene	Ave	0.2866	0.3087		10.8	10.0	7.7	30.0
Bromomethane	Ave	0.7064	0.7681		10.9	10.0	8.7	30.0
Chloroethane	Ave	0.1744	0.2090		12.0	10.0	19.8	30.0
Isopentane	Ave	0.3163	0.3344		10.6	10.0	5.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8129	0.8678		10.7	10.0	6.8	30.0
Trichlorofluoromethane	Ave	2.311	2.471		10.7	10.0	6.9	30.0
n-Pentane	Ave	0.4921	0.6077		12.3	10.0	23.5	30.0
Ethanol	Ave	0.1218	0.1491		18.4	15.0	22.4	30.0
Ethyl ether	Ave	0.2837	0.3148		11.1	10.0	11.0	30.0
Acrolein	Ave	0.1302	0.1569		12.0	10.0	20.5	30.0
Freon TF	Ave	1.473	1.564		10.6	10.0	6.1	30.0
1,1-Dichloroethene	Ave	0.6415	0.6449		10.1	10.0	0.5	30.0
Acetone	Ave	0.4787	0.6143		12.8	10.0	28.3	30.0
Carbon disulfide	Ave	1.642	1.890		11.5	10.0	15.1	30.0
Isopropyl alcohol	Ave	0.3594	0.4382		12.2	10.0	21.9	30.0
3-Chloropropene	Ave	0.3627	0.4198		11.6	10.0	15.8	30.0
Acetonitrile	Ave	0.1923	0.2500		13.0	10.0	30.0	30.0
Methylene Chloride	Ave	0.4244	0.5136		12.1	10.0	21.0	30.0
tert-Butyl alcohol	Ave	0.7140	0.8089		11.3	10.0	13.3	30.0
Methyl tert-butyl ether	Ave	1.457	1.558		10.7	10.0	7.0	30.0
trans-1,2-Dichloroethene	Ave	0.7389	0.8166		11.1	10.0	10.5	30.0
Acrylonitrile	Ave	0.2479	0.2965		12.0	10.0	19.6	30.0
n-Hexane	Ave	0.6081	0.6392		10.5	10.0	5.1	30.0
1,1-Dichloroethane	Ave	1.094	1.122		10.3	10.0	2.6	30.0
Vinyl acetate	Ave	0.8501	1.064		12.5	10.0	25.2	30.0
cis-1,2-Dichloroethene	Ave	0.9603	0.9072		9.44	10.0	-5.5	30.0
Methyl Ethyl Ketone	Ave	0.3150	0.3291		10.4	10.0	4.5	30.0
Ethyl acetate	Ave	0.0499	0.0523		10.5	10.0	4.9	30.0
Tetrahydrofuran	Ave	0.0813	0.1153		14.2	10.0	41.8*	30.0
Chloroform	Ave	2.180	2.192		10.1	10.0	0.5	30.0
Cyclohexane	Ave	0.2099	0.2281		10.9	10.0	8.7	30.0
1,1,1-Trichloroethane	Ave	0.4767	0.5275		11.1	10.0	10.6	30.0
Carbon tetrachloride	Ave	0.6045	0.6324		10.5	10.0	4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: CCVIS 200-59994/2 Calibration Date: 08/14/2013 12:15

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gihe02.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
2,2,4-Trimethylpentane	Ave	0.6870	0.7832		11.4	10.0	14.0	30.0
Benzene	Ave	0.5758	0.6023		10.5	10.0	4.6	30.0
1,2-Dichloroethane	Ave	0.2850	0.3241		11.4	10.0	13.7	30.0
n-Heptane	Ave	0.2433	0.2786		11.4	10.0	14.5	30.0
n-Butanol	Ave	0.0926	0.1014		10.9	10.0	9.5	30.0
Trichloroethene	Ave	0.4015	0.3565		8.88	10.0	-11.2	30.0
1,2-Dichloropropane	Ave	0.2835	0.2940		10.4	10.0	3.7	30.0
Methyl methacrylate	Ave	0.2345	0.2526		10.8	10.0	7.7	30.0
1,4-Dioxane	Ave	0.1087	0.1092		10.1	10.0	0.5	30.0
Dibromomethane	Ave	0.3650	0.3224		8.83	10.0	-11.7	30.0
Bromodichloromethane	Ave	0.6323	0.6546		10.3	10.0	3.5	30.0
cis-1,3-Dichloropropene	Ave	0.4398	0.4502		10.2	10.0	2.4	30.0
methyl isobutyl ketone	Ave	0.3907	0.4894		12.5	10.0	25.2	30.0
Toluene	Ave	0.6059	0.5861		9.67	10.0	-3.3	30.0
n-Octane	Ave	0.4469	0.5002		11.2	10.0	11.9	30.0
trans-1,3-Dichloropropene	Ave	0.4614	0.4775		10.3	10.0	3.5	30.0
1,1,2-Trichloroethane	Ave	0.3431	0.3481		10.1	10.0	1.4	30.0
Tetrachloroethene	Ave	0.5882	0.5218		8.87	10.0	-11.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3467	0.5008		14.4	10.0	44.4*	30.0
Dibromochloromethane	Ave	0.7335	0.7812		10.6	10.0	6.5	30.0
1,2-Dibromoethane	Ave	0.6047	0.6214		10.3	10.0	2.8	30.0
Chlorobenzene	Ave	0.8221	0.7871		9.57	10.0	-4.3	30.0
Ethylbenzene	Ave	1.298	1.285		9.89	10.0	-1.0	30.0
n-Nonane	Ave	0.5475	0.5850		10.7	10.0	6.8	30.0
m,p-Xylene	Ave	0.5019	0.4967		19.8	20.0	-1.0	30.0
Xylene, o-	Ave	0.5105	0.4953		9.70	10.0	-3.0	30.0
Styrene	Ave	0.6756	0.7351		10.9	10.0	8.8	30.0
Bromoform	Ave	0.7189	0.7883		11.0	10.0	9.7	30.0
Cumene	Ave	1.428	1.429		10.0	10.0	0.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8475	0.9107		10.7	10.0	7.5	30.0
n-Propylbenzene	Ave	1.626	1.788		11.0	10.0	9.9	30.0
1,2,3-Trichloropropane	Ave	0.5388	0.6479		12.0	10.0	20.3	30.0
n-Decane	Ave	0.5167	0.6706		13.0	10.0	29.8	30.0
4-Ethyltoluene	Ave	1.259	1.481		11.8	10.0	17.6	30.0
2-Chlorotoluene	Ave	1.098	1.254		11.4	10.0	14.2	30.0
1,3,5-Trimethylbenzene	Ave	1.188	1.235		10.4	10.0	3.9	30.0
Alpha Methyl Styrene	Ave	0.4605	0.5906		12.8	10.0	28.3	30.0
tert-Butylbenzene	Ave	1.138	1.178		10.3	10.0	3.5	30.0
1,2,4-Trimethylbenzene	Ave	1.142	1.236		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	1.695	1.803		10.6	10.0	6.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Lab Sample ID: CCVIS 200-59994/2 Calibration Date: 08/14/2013 12:15

Instrument ID: G.i Calib Start Date: 08/07/2013 09:52

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/07/2013 18:29

Lab File ID: gihe02.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
4-Isopropyltoluene	Ave	1.366	1.503		11.0	10.0	10.1	30.0
1,3-Dichlorobenzene	Ave	0.7090	0.7846		11.1	10.0	10.7	30.0
1,4-Dichlorobenzene	Ave	0.6544	0.7202		11.0	10.0	10.1	30.0
Benzyl chloride	Ave	0.7887	0.9596		12.2	10.0	21.7	30.0
n-Butylbenzene	Ave	1.144	1.375		12.0	10.0	20.2	30.0
n-Undecane	Ave	0.5677	0.7941		14.0	10.0	39.9*	30.0
1,2-Dichlorobenzene	Ave	0.7019	0.7577		10.8	10.0	7.9	30.0
n-Dodecane	Ave	0.3808	0.4866		12.8	10.0	27.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3147	0.3501		11.1	10.0	11.2	30.0
Hexachlorobutadiene	Ave	0.6197	0.6950		11.2	10.0	12.1	30.0
Naphthalene	Ave	0.7097	0.7730		10.9	10.0	8.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2640	0.3424		13.0	10.0	29.7	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Instrument ID: CHB.i Start Date: 06/29/2013 10:27

Analysis Batch Number: 57960 End Date: 06/29/2013 21:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-57960/1		06/29/2013 10:27	1	bla001.D	RTX-624 0.32(mm)
VIBLK 200-57960/2		06/29/2013 11:16	1		RTX-624 0.32(mm)
VIBLK 200-57960/3		06/29/2013 12:08	1		RTX-624 0.32(mm)
IC 200-57960/4		06/29/2013 13:00	1	bla004.D	RTX-624 0.32(mm)
IC 200-57960/5		06/29/2013 13:52	1	bla005.D	RTX-624 0.32(mm)
IC 200-57960/6		06/29/2013 14:44	1	bla006.D	RTX-624 0.32(mm)
IC 200-57960/7		06/29/2013 15:36	1	bla007.D	RTX-624 0.32(mm)
ICIS 200-57960/8		06/29/2013 16:28	1	bla008.D	RTX-624 0.32(mm)
IC 200-57960/9		06/29/2013 17:20	1	bla009.D	RTX-624 0.32(mm)
IC 200-57960/10		06/29/2013 18:12	1	bla010.D	RTX-624 0.32(mm)
IC 200-57960/11		06/29/2013 19:05	1	bla011.D	RTX-624 0.32(mm)
VIBLK 200-57960/12		06/29/2013 19:57	1		RTX-624 0.32(mm)
VIBLK 200-57960/13		06/29/2013 20:50	1		RTX-624 0.32(mm)
ICV 200-57960/14		06/29/2013 21:42	1	bla014.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/02/2013 09:29

Analysis Batch Number: 59280 End Date: 08/03/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-59280/1		08/02/2013 09:29	1	blar001.D	RTX-624 0.32(mm)
CCVIS 200-59280/2		08/02/2013 10:15	1	blar002.D	RTX-624 0.32(mm)
LCS 200-59280/3		08/02/2013 11:07	1	blar003.D	RTX-624 0.32(mm)
MB 200-59280/4		08/02/2013 11:59	1	blar004.D	RTX-624 0.32(mm)
ZZZZZ		08/02/2013 12:58	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2013 13:57	0.2		RTX-624 0.32(mm)
ZZZZZ		08/02/2013 14:56	0.2		RTX-624 0.32(mm)
200-17720-1	2533	08/02/2013 15:56	0.2	blar008.D	RTX-624 0.32(mm)
200-17720-2	4236	08/02/2013 16:55	0.2	blar009.D	RTX-624 0.32(mm)
200-17720-3	2547	08/02/2013 17:54	0.2	blar010.D	RTX-624 0.32(mm)
200-17720-4	4924	08/02/2013 18:54	0.2	blar011.D	RTX-624 0.32(mm)
200-17720-6	5085	08/02/2013 19:53	0.2	blar012.D	RTX-624 0.32(mm)
200-17720-7	2973	08/02/2013 20:53	0.2	blar013.D	RTX-624 0.32(mm)
200-17720-9	3074	08/02/2013 21:52	0.2	blar014.D	RTX-624 0.32(mm)
200-17720-10	4357	08/02/2013 22:51	0.2	blar015.D	RTX-624 0.32(mm)
200-17720-12	2612	08/02/2013 23:50	0.2	blar016.D	RTX-624 0.32(mm)
ZZZZZ		08/03/2013 00:42	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 01:34	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 02:26	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 03:18	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 04:10	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 05:02	1		RTX-624 0.32(mm)
ZZZZZ		08/03/2013 06:01	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Instrument ID: W.i Start Date: 07/23/2013 09:25

Analysis Batch Number: 58867 End Date: 07/24/2013 08:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-58867/1		07/23/2013 09:25	1	wai01.d	RTX-624 0.32(mm)
VIBLK 200-58867/2		07/23/2013 10:23	1		RTX-624 0.32(mm)
IC 200-58867/3		07/23/2013 11:11	1	wai03.d	RTX-624 0.32(mm)
IC 200-58867/4		07/23/2013 12:00	1	wai04.d	RTX-624 0.32(mm)
IC 200-58867/5		07/23/2013 12:50	1	wai05.d	RTX-624 0.32(mm)
IC 200-58867/6		07/23/2013 13:39	1	wai06.d	RTX-624 0.32(mm)
ICIS 200-58867/7		07/23/2013 14:29	1	wai07.d	RTX-624 0.32(mm)
IC 200-58867/8		07/23/2013 15:19	1	wai08.d	RTX-624 0.32(mm)
IC 200-58867/9		07/23/2013 16:07	1	wai09.d	RTX-624 0.32(mm)
IC 200-58867/10		07/23/2013 16:58	1	wai10.d	RTX-624 0.32(mm)
VIBLK 200-58867/11		07/23/2013 17:47	1		RTX-624 0.32(mm)
VIBLK 200-58867/12		07/23/2013 18:36	1		RTX-624 0.32(mm)
ICV 200-58867/13		07/23/2013 19:25	1	wai13.d	RTX-624 0.32(mm)
VIBLK 200-58867/14		07/23/2013 20:16	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2013 21:06	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2013 21:56	1		RTX-624 0.32(mm)
ZZZZZ		07/23/2013 22:43	11.9		RTX-624 0.32(mm)
ZZZZZ		07/23/2013 23:31	14.8		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 00:19	3.98		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 01:09	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 02:02	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 02:53	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 03:43	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 04:34	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 05:23	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 06:10	10		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 06:58	10		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 07:45	10		RTX-624 0.32(mm)
ZZZZZ		07/24/2013 08:33	10		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17720-1

SDG No.:

Instrument ID: W.i Start Date: 07/31/2013 14:09

Analysis Batch Number: 59271 End Date: 08/01/2013 14:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-59271/1		07/31/2013 14:09	1	waif07.d	RTX-624 0.32(mm)
CCVIS 200-59271/2		07/31/2013 15:05	1	waif08.d	RTX-624 0.32(mm)
LCS 200-59271/3		07/31/2013 16:13	1	waif09.d	RTX-624 0.32(mm)
MB 200-59271/4		07/31/2013 17:27	1	waif10a.d	RTX-624 0.32(mm)
ZZZZZ		07/31/2013 18:16	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 19:10	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 19:59	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 20:49	1		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 21:38	2		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 22:25	19.8		RTX-624 0.32(mm)
ZZZZZ		07/31/2013 23:15	4.08		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 00:03	8		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 00:51	20.2		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 01:39	1.5		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 02:27	2		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 03:17	1		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 04:04	15		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 04:52	28400		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 05:39	250		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 06:28	268		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 07:16	10		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 08:04	10.1		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 10:03	291		RTX-624 0.32(mm)
ZZZZZ		08/01/2013 10:51	10.1		RTX-624 0.32(mm)
200-17720-8	4828	08/01/2013 11:58	0.2	waif31.d	RTX-624 0.32(mm)
ZZZZZ		08/01/2013 12:56	1.35		RTX-624 0.32(mm)
200-17720-11	3230	08/01/2013 14:03	0.2	waif33.d	RTX-624 0.32(mm)

GC/MS Air Instrument Run Log

Sequence			Standard Traceability		Instrument Information
Target Batch ID: WAI	Start Date: 7/23/13	Time: 0925	ISTD Container ID: 462405		Instrument ID: W
Test Method: To15	End Date: 7/24/13	Time: 0925	CCV Container ID: see comments		Instrument: 5975B
ICAL Date: 7/23/13			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.*

Sequence Information

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review: Internal Std.	Individual Sample Review: Result Conc.	Individual Sample Review: Primary Anal.	Comments
0925	WAI 01	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1023	02	4634	VIBLK		1	40 200		✓	✓		
1111	03	5459	IC-08		2	40		N/A	✓		
1200	04	↓	-01		2	200			✓		#534112
1250	05	5449	-02		3	200			✓		↓
1339	06	2640	↓ -03		4	200			✓		#534113
1429	07	3308	ICIS-04		5	200			✓		#531972
1519	08	3155	IC-05		6	200			✓		#531967
1607	09	2874	-06		7	200			✓		#531964
1658	10	3413	↓ -07		8	200		↓	✓		#531963
1747	11	4634	VIBLK		1	200			✓		#531949
1836	12	↓	VIBLK		1	200			✓		
1925	13	2691	ICV		9	200			✓		
2016	14	4634	VIBLK		1	200			✓		AG74+MN #530792
2106	15	2691	LCS		9	200			✓		
2156	16	4634	MB		1	200			✓		AG74+MN #530792
2243	17		400-76870-1	11.9	10	34			✓		
2331	18		-2	14.8	11	28			✓		cdf 2.02 C
0019	19		↓ -3	3.98	12	103			✓		2.07 C
0109	20		17410-1	1	13	200			✓		↓ 2.05 C R 1:5
0202	21		17449-1	1	14	200			✓	↑ ✓	Ace 86 R 1:3
0253	22		-2		15				✓	✓	C
0343	23		-3		16				✓	✓	C
0434	24		-4		1				✓	✓	C
0523	25		↓ -5	↓	2	↓			✓	✓	C
0610	26		17416-1	10	3	20			✓	✓	C
0658	27		-2	↓	4	↓			✓	↑ ✓	PCE 44 R 1:18
0745	28		↓ -3		5				✓	✓	C
0833	↓ 29		240-26803-1	10	6	20	↓	↓	✓	✓	TICs ✓ C

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence	Standard Traceability	Instrument Information
Target Batch ID: WAIF Start Date: 7/31/13 Time: 1409	ISTD Container ID: 462405	Instrument ID: W
Test Method: TO15 End Date: 8/01/13 Time: 1409	CCV Container ID: 531967	Instrument: 5975B
ICAL Date: 7/23/13	ICV/LCS Container ID: 533438	Column Type: RTX-624
Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*		

Sequence Information

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review: Internal Std.	Result Conc.	Primary Anal.	Comments
1409	WAIF 07		BFB	N/A			PAD	N/A	✓	PAD	
1505	08		CCVIS		1	200		↓	✓		2↑
1613	09		LCS		2	200		✓	✓		
1727	10		MB		3	200		✓	✓		
1816	11		17712-01	1	4	200		✓	✓		C TICs ✓
1910	12		-02		5			✓	✓		C TICs ✓
1959	13		-03		6			✓	✓		C TICs ✓
2049	14		-04		7			✓	✓		C TICs ✓
2138	15		17666-1DV	2	8	100		✓	✓		C TICs ✓
2225	16		17666-2	19.8	9	41		✓	✓		cdf 4.06 NCM TICs ✓ C
2315	17		17618-1	4.08	10	200		✓	✓		cdf 4.08 ~~TICs~~ C
0003	18		17708-1	8	11	25		✓	✓		C
0051	19		17666-5	20.2	12	48		✓	✓		cdf 4.84 NCM TICs ✓ C
0139	20		17598-1	1.5	13	133		✓	✓		C
0227	21		480-42677-1	2	14	100		✓	✓		C
0317	22		500-59512-1	1	15	200		✓	✓		C
0404	23		-2	15	16	64		✓	✓		cdf 4.79 C
0452	24		-3	28400	1	25		✓	✓		3551.81 C
0539	25		-4	250	2	64		✓	✓		79.91 C
0628	26		-5	268	3	58		✓	✓		77.82 C
0716	27		-6	10	4	63		✓	✓		3.15 C
0804	28		-7	10.1	5	59		✓	✓		2.97 C
1003	29		-8	291	~~6~~ 7	52		✓	✓		75.55 C
1051	30		500-59512-9	10.1	~~7~~ 8	~~20~~ 28		✓	✓		cdf 1.41 C
1158	31		17720-8	0.2	9	1000		✓	✓		
	~~32~~		-9		10						~~PAD~~ 8/1/13
1703	33		-11		11			✓	✓		
1513	34		-12		12			✓	—		outside window
1256	32		17506-2	1.35	10	500		✓	✓		cdf 3.37 C

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

TestAmerica Laboratories
Worklist Run Log Report

Worklist Name: 06282013_BLA_ICal Worklist Num: 3815
Instrument: CHB.i Method: TO15_LLNJ_TO3_CHB.i
Batch Directory: \\Btv-lims1\chromdata\CHB.i\20130703-3815.b
Anaylysis Type: VOA Creator: Lyons, Benjamin P
Inj Volume: 200.00 Inj Vol Units: mL
Run Reagents:
ATTO15VISs_00005, Amount Added: 20.00 , Units: mL

Lab ID	Worklist ID	Sample Type	Cal Lvl	Inj Date/Time	File Name	Vial	Dil Fact	Client ID	Fraction
BFB	200-0003815-001	BFB		29-Jun-2013 10:27:30	bla001.D	1	1.0		air
VIBLK	200-0003815-002	QC		29-Jun-2013 11:16:30	bla002.D	1	1.0		air
VIBLK	200-0003815-003	VIBLK		29-Jun-2013 12:08:30	bla003.D	1	1.0		air
IC	200-0003815-004	IC	8	29-Jun-2013 13:00:30	bla004.D	2	1.0		air
IC	200-0003815-005	IC	1	29-Jun-2013 13:52:30	bla005.D	2	1.0		air
IC	200-0003815-006	IC	2	29-Jun-2013 14:44:30	bla006.D	3	1.0		air
IC	200-0003815-007	IC	3	29-Jun-2013 15:36:30	bla007.D	4	1.0		air
ICIS	200-0003815-008	ICIS	4	29-Jun-2013 16:28:30	bla008.D	5	1.0		air
IC	200-0003815-009	IC	5	29-Jun-2013 17:20:30	bla009.D	6	1.0		air
IC	200-0003815-010	IC	6	29-Jun-2013 18:12:30	bla010.D	7	1.0		air
IC	200-0003815-011	IC	7	29-Jun-2013 19:05:30	bla011.D	8	1.0		air
VIBLK	200-0003815-012	VIBLK		29-Jun-2013 19:57:30	bla012.D	1	1.0		air
VIBLK	200-0003815-013	VIBLK		29-Jun-2013 20:50:30	bla013.D	1	1.0		air
ICV	200-0003815-014	ICV		29-Jun-2013 21:42:30	bla014.D	2	1.0		air

TestAmerica Laboratories
Worklist Run Log Report

Worklist Name: 08022013_BLAR Worklist Num: 3989
Instrument: CHB.i Method: TO15_LLNJ_TO3_CHB.i
Batch Directory: \\Btv-lims1\chromdata\CHB.i\20130802-3989.b
Anaylysis Type: VOA Creator: Lyons, Benjamin P
Inj Volume: 200.00 Inj Vol Units: mL
Run Reagents:
ATTO15VISs_00006, Amount Added: 20.00 , Units: mL

Lab ID	Worklist ID	Sample Type	Cal Lvl	Inj Date/Time	File Name	Vial	Dil Fact	Client ID	Fraction
BFB	200-0003989-001	BFB		02-Aug-2013 09:29:30	blar001.D	1	1.0		air
CCVIS	200-0003989-002	CCVIS		02-Aug-2013 10:15:30	blar002.D	1	1.0		air
LCS	200-0003989-003	LCS		02-Aug-2013 11:07:30	blar003.D	2	1.0		air
MB	200-0003989-004	MB		02-Aug-2013 11:59:30	blar004.D	3	1.0		air
200-17744-A-10	200-0003989-005	Client		02-Aug-2013 12:58:30	blar005.D	4	0.2		air
200-17746-A-1	200-0003989-006	Client		02-Aug-2013 13:57:30	blar006.D	5	0.2	5135	air
200-17735-A-8	200-0003989-007	Client		02-Aug-2013 14:56:30	blar007.D	6	0.2	4137	air
200-17720-A-1	200-0003989-008	Client		02-Aug-2013 15:56:30	blar008.D	7	0.2	2533	air
200-17720-A-2	200-0003989-009	Client		02-Aug-2013 16:55:30	blar009.D	8	0.2	4236	air
200-17720-A-3	200-0003989-010	Client		02-Aug-2013 17:54:30	blar010.D	9	0.2	2547	air
200-17720-A-4	200-0003989-011	Client		02-Aug-2013 18:54:30	blar011.D	10	0.2	4924	air
200-17720-A-6	200-0003989-012	Client		02-Aug-2013 19:53:30	blar012.D	11	0.2	5085	air
200-17720-A-7	200-0003989-013	Client		02-Aug-2013 20:53:30	blar013.D	12	0.2	2973	air
200-17720-A-9	200-0003989-014	Client		02-Aug-2013 21:52:30	blar014.D	13	0.2	3074	air
200-17720-A-10	200-0003989-015	Client		02-Aug-2013 22:51:30	blar015.D	14	0.2	4357	air
200-17720-A-12	200-0003989-016	Client		02-Aug-2013 23:50:30	blar016.D	15	0.2	2612	air
200-17754-A-1	200-0003989-017	Client		03-Aug-2013 00:42:30	blar017.D	1	1.0	SKO-VOC-1-073013	air
200-17754-A-2	200-0003989-018	Client		03-Aug-2013 01:34:30	blar018.D	2	1.0	SKO-VOC-2-073013	air
200-17754-A-3	200-0003989-019	Client		03-Aug-2013 02:26:30	blar019.D	3	1.0	SKO-VOC-3-073013	air
200-17754-A-4	200-0003989-020	Client		03-Aug-2013 03:18:30	blar020.D	4	1.0	SKO-VOC-4-073013	air
200-17754-A-5	200-0003989-021	Client		03-Aug-2013 04:10:30	blar021.D	5	1.0	SKO-VOC-5-073013	air
200-17754-A-6	200-0003989-022	Client		03-Aug-2013 05:02:30	blar022.D	16	1.0	SKO-VOC-6-073013	air
200-17752-A-3	200-0003989-023	Client		03-Aug-2013 06:01:30	blar023.D	6	0.2	4815	air

TestAmerica Laboratories
Worklist Run Log Report

Worklist Name: 06282013_BLA_ICal Worklist Num: 3815
Instrument: CHB.i Method: TO15_LLNJ_TO3_CHB.i
Batch Directory: \\Btv-lims1\chromdata\CHB.i\20130703-3815.b
Anaylysis Type: VOA Creator: Lyons, Benjamin P
Inj Volume: 200.00 Inj Vol Units: mL
Run Reagents:
ATTO15VISs_00005, Amount Added: 20.00 , Units: mL

Lab ID	Worklist ID	Sample Type	Cal Lvl	Inj Date/Time	File Name	Vial	Dil Fact	Client ID	Fraction
BFB	200-0003815-001	BFB		29-Jun-2013 10:27:30	bla001.D	1	1.0		air
VIBLK	200-0003815-002	QC		29-Jun-2013 11:16:30	bla002.D	1	1.0		air
VIBLK	200-0003815-003	VIBLK		29-Jun-2013 12:08:30	bla003.D	1	1.0		air
IC	200-0003815-004	IC	8	29-Jun-2013 13:00:30	bla004.D	2	1.0		air
IC	200-0003815-005	IC	1	29-Jun-2013 13:52:30	bla005.D	2	1.0		air
IC	200-0003815-006	IC	2	29-Jun-2013 14:44:30	bla006.D	3	1.0		air
IC	200-0003815-007	IC	3	29-Jun-2013 15:36:30	bla007.D	4	1.0		air
ICIS	200-0003815-008	ICIS	4	29-Jun-2013 16:28:30	bla008.D	5	1.0		air
IC	200-0003815-009	IC	5	29-Jun-2013 17:20:30	bla009.D	6	1.0		air
IC	200-0003815-010	IC	6	29-Jun-2013 18:12:30	bla010.D	7	1.0		air
IC	200-0003815-011	IC	7	29-Jun-2013 19:05:30	bla011.D	8	1.0		air
VIBLK	200-0003815-012	VIBLK		29-Jun-2013 19:57:30	bla012.D	1	1.0		air
VIBLK	200-0003815-013	VIBLK		29-Jun-2013 20:50:30	bla013.D	1	1.0		air
ICV	200-0003815-014	ICV		29-Jun-2013 21:42:30	bla014.D	2	1.0		air

TestAmerica Laboratories
Worklist Run Log Report

Worklist Name: 08122013_BLAX Worklist Num: 4083
Instrument: CHB.i Method: TO15_LLNJ_TO3_CHB.i
Batch Directory: \\Btv-lims1\chromdata\CHB.i\20130812-4083.b
Anaylysis Type: VOA Creator: Lyons, Benjamin P
Inj Volume: 200.00 Inj Vol Units: mL
Run Reagents:
ATTO15VISs_00006, Amount Added: 20.00 , Units: mL

Lab ID	Worklist ID	Sample Type	Cal Lvl	Inj Date/Time	File Name	Vial	Dil Fact	Client ID	Fraction
BFB	200-0004083-001	BFB		12-Aug-2013 10:36:30	blax001.D	1	1.0		air
CCVIS	200-0004083-002	CCVIS		12-Aug-2013 11:22:30	blax002.D	1	1.0		air
LCS	200-0004083-003	LCS		12-Aug-2013 12:14:30	blax003.D	2	1.0		air
MB	200-0004083-004	MB		12-Aug-2013 13:06:30	blax004.D	3	1.0		air
200-17867-A-5	200-0004083-005	Client		12-Aug-2013 14:04:30	blax005.D	4	1.0		air
200-17869-A-1	200-0004083-006	Client		12-Aug-2013 14:56:30	blax006.D	5	1.0	SKO-VOC-1-080813	air
200-17875-A-4	200-0004083-007	Client		12-Aug-2013 15:55:30	blax007.D	6	0.2	2707	air
200-17876-A-11	200-0004083-008	Client		12-Aug-2013 16:54:30	blax008.D	7	0.2	4126	air
200-17869-A-2	200-0004083-009	Client		12-Aug-2013 17:45:30	blax009.D	8	1.0	SKO-VOC-2-080813	air
200-17869-A-3	200-0004083-010	Client		12-Aug-2013 18:37:30	blax010.D	9	1.0	SKO-VOC-3-080813	air
200-17869-A-4	200-0004083-011	Client		12-Aug-2013 19:30:30	blax011.D	10	1.0	SKO-VOC-4-080813	air
200-17869-A-5	200-0004083-012	Client		12-Aug-2013 20:21:30	blax012.D	11	1.0	SKO-VOC-5-080813	air
200-17869-A-6	200-0004083-013	Client		12-Aug-2013 21:13:30	blax013.D	12	1.0	SKO-VOC-6-080813	air
200-17869-A-7	200-0004083-014	Client		12-Aug-2013 22:05:30	blax014.D	13	1.0	SKO-VOC-DUP2-0808	air
200-17869-A-8	200-0004083-015	Client		12-Aug-2013 22:57:30	blax015.D	14	1.0	SKO-VOC-TB-080813	air
200-17889-A-6	200-0004083-016	Client		12-Aug-2013 23:56:30	blax016.D	15	0.2	4572	air
200-17892-A-7	200-0004083-017	Client		13-Aug-2013 09:22:30	blax017.D	2	0.2	4923	air

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Instrument ID: CHB.i Start Date: 06/29/2013 10:27

Analysis Batch Number: 57960 End Date: 06/29/2013 21:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-57960/1		06/29/2013 10:27	1	bla001.D	RTX-624 0.32(mm)
VIBLK 200-57960/2		06/29/2013 11:16	1		RTX-624 0.32(mm)
VIBLK 200-57960/3		06/29/2013 12:08	1		RTX-624 0.32(mm)
IC 200-57960/4		06/29/2013 13:00	1	bla004.D	RTX-624 0.32(mm)
IC 200-57960/5		06/29/2013 13:52	1	bla005.D	RTX-624 0.32(mm)
IC 200-57960/6		06/29/2013 14:44	1	bla006.D	RTX-624 0.32(mm)
IC 200-57960/7		06/29/2013 15:36	1	bla007.D	RTX-624 0.32(mm)
ICIS 200-57960/8		06/29/2013 16:28	1	bla008.D	RTX-624 0.32(mm)
IC 200-57960/9		06/29/2013 17:20	1	bla009.D	RTX-624 0.32(mm)
IC 200-57960/10		06/29/2013 18:12	1	bla010.D	RTX-624 0.32(mm)
IC 200-57960/11		06/29/2013 19:05	1	bla011.D	RTX-624 0.32(mm)
VIBLK 200-57960/12		06/29/2013 19:57	1		RTX-624 0.32(mm)
VIBLK 200-57960/13		06/29/2013 20:50	1		RTX-624 0.32(mm)
ICV 200-57960/14		06/29/2013 21:42	1	bla014.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17876-1

SDG No.:

Instrument ID: CHB.i Start Date: 08/12/2013 10:36

Analysis Batch Number: 59648 End Date: 08/13/2013 09:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-59648/1		08/12/2013 10:36	1	blax001.D	RTX-624 0.32(mm)
CCVIS 200-59648/2		08/12/2013 11:22	1	blax002.D	RTX-624 0.32(mm)
LCS 200-59648/3		08/12/2013 12:14	1	blax003.D	RTX-624 0.32(mm)
MB 200-59648/4		08/12/2013 13:06	1	blax004.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2013 14:04	0.2		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 14:56	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 15:55	0.2		RTX-624 0.32(mm)
200-17876-11	4126	08/12/2013 16:54	0.2	blax008.D	RTX-624 0.32(mm)
ZZZZZ		08/12/2013 17:45	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 18:37	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 19:30	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 20:21	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 21:13	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 22:05	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 22:57	1		RTX-624 0.32(mm)
ZZZZZ		08/12/2013 23:56	0.2		RTX-624 0.32(mm)
ZZZZZ		08/13/2013 09:22	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Instrument ID: G.i Start Date: 08/07/2013 07:31

Analysis Batch Number: 59589 End Date: 08/07/2013 21:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-59589/1		08/07/2013 07:31	1	gih01.d	RTX-624 0.32(mm)
VIBLK 200-59589/2		08/07/2013 08:18	1		RTX-624 0.32(mm)
ZZZZZ		08/07/2013 09:05	1		RTX-624 0.32(mm)
IC 200-59589/4		08/07/2013 09:52	1	gih04.d	RTX-624 0.32(mm)
ZZZZZ		08/07/2013 10:38	1		RTX-624 0.32(mm)
IC 200-59589/6		08/07/2013 11:26	1	gih06.d	RTX-624 0.32(mm)
IC 200-59589/7		08/07/2013 12:13	1	gih07.d	RTX-624 0.32(mm)
ICIS 200-59589/8		08/07/2013 13:00	1	gih08.d	RTX-624 0.32(mm)
IC 200-59589/9		08/07/2013 13:47	1	gih09.d	RTX-624 0.32(mm)
IC 200-59589/10		08/07/2013 14:33	1	gih10.d	RTX-624 0.32(mm)
IC 200-59589/11		08/07/2013 15:20	1	gih11.d	RTX-624 0.32(mm)
VIBLK 200-59589/12		08/07/2013 16:07	1		RTX-624 0.32(mm)
VIBLK 200-59589/13		08/07/2013 16:55	1		RTX-624 0.32(mm)
VIBLK 200-59589/14		08/07/2013 17:42	1		RTX-624 0.32(mm)
IC 200-59589/15		08/07/2013 18:29	1	gih15.d	RTX-624 0.32(mm)
ZZZZZ		08/07/2013 19:16	1		RTX-624 0.32(mm)
VIBLK 200-59589/17		08/07/2013 20:02	1		RTX-624 0.32(mm)
ICV 200-59589/18		08/07/2013 20:50	1	gih18.d	RTX-624 0.32(mm)
VIBLK 200-59589/19		08/07/2013 21:37	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-17928-1

SDG No.:

Instrument ID: G.i Start Date: 08/14/2013 11:29

Analysis Batch Number: 59994 End Date: 08/15/2013 10:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-59994/1		08/14/2013 11:29	1	gihe01.d	RTX-624 0.32(mm)
CCVIS 200-59994/2		08/14/2013 12:15	1	gihe02.d	RTX-624 0.32(mm)
LCS 200-59994/3		08/14/2013 13:02	1	gihe03.d	RTX-624 0.32(mm)
MB 200-59994/4		08/14/2013 13:49	1	gihe04.d	RTX-624 0.32(mm)
ZZZZZ		08/14/2013 14:36	1		RTX-624 0.32(mm)
ZZZZZ		08/14/2013 15:23	1		RTX-624 0.32(mm)
VIBLK 200-59994/7		08/14/2013 16:13	1		RTX-624 0.32(mm)
VIBLK 200-59994/8		08/14/2013 17:01	1		RTX-624 0.32(mm)
VIBLK 200-59994/9		08/14/2013 17:47	1		RTX-624 0.32(mm)
VIBLK 200-59994/10		08/14/2013 18:34	1		RTX-624 0.32(mm)
VIBLK 200-59994/11		08/14/2013 19:21	1		RTX-624 0.32(mm)
VIBLK 200-59994/12		08/14/2013 20:08	1		RTX-624 0.32(mm)
VIBLK 200-59994/13		08/14/2013 20:55	1		RTX-624 0.32(mm)
VIBLK 200-59994/14		08/14/2013 21:42	1		RTX-624 0.32(mm)
VIBLK 200-59994/15		08/14/2013 22:29	1		RTX-624 0.32(mm)
VIBLK 200-59994/16		08/14/2013 23:16	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2013 08:08	0.2		RTX-624 0.32(mm)
200-17928-6	4793	08/15/2013 09:05	0.2	gihe18.d	RTX-624 0.32(mm)
ZZZZZ		08/15/2013 10:03	0.2		RTX-624 0.32(mm)

GC/MS Air Instrument Run Log

Sequence			Standard Traceability		Instrument Information
Target Batch ID: GIH	Start Date: 8/07/13	Time: 0731	ISTD Container ID:	248062	Instrument ID: G
Test Method: To15	End Date: 8/08/13	Time: 0731	CCV Container ID:	See comments	Instrument: 5973
ICAL Date: 8/07/13			ICV/LCS Container ID:	↓	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Paul Daigle
Paul Daigle PAD

Sequence Information

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review: Internal Std.	Individual Sample Review: Result Conc.	Individual Sample Review: Primary Anal.	Comments
0731	GIH 01		BFB	N/A			PAD	N/A	✓	PAD	
0818	02		VIBLK		1	200		✓	✓		
0905	03		534112		2	40		N/A	↑		534112 R
0952	04		IC-01		2	200			✓		534112
1038	05		535109		3	200			—		535109 R
1126	06		IC-03		4	200			✓		531972
1213	07		↓-02		3	200			✓		535109
1300	08		ICIS-04		5	200			✓		531968
1347	09		IC-05		6	200			✓		531964
1433	10		↓-06		7	200			✓		531963
1520	11		↓-07		8	200		↓	✓		531949
1607	12		VIBLK		1	200		✓	✓		
1655	13		↓		1	200		✓	✓		
1742	14		↓		1	200		✓	✓		
1829	15		IC-08		2	40		N/A	✓		
1916	16		533430		9	200		✓	↑		533430 R
2002	17		VIBLK		1	200		✓	✓		
2050	18		ICV		9	200		✓	✓		533430 acc↑
2137	19		VIBLK	↓	1	200		✓	✓	↓	

PAD 8/09/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ~~↓= Low~~ • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: GIHE	Start Date: 8/14/13 Time: 1129	ISTD Container ID: 248062	Instrument ID: G
Test Method: TO15	End Date: 8/15/13 Time: 1129	CCV Container ID: 531968	Instrument: 5973
ICAL Date: 8/07/13		ICV/LCS Container ID: 533438	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Individual Sample Review: Internal Std.	Result Conc.	Primary Anal.	Comments
1129	GIHE 01	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1215	02		CCVIS		1	200		←	✓		
1302	03		LCS		2	200		✓	✓		
1349	04		MB	←	3	200		✓	✓		
1436	05		78533-01	1	4	200		—	—		R
1523	06		← -02	1	5	200		—	—		R
1613	07		VIBLK	1	3	200		✓	✓		
1701	08		VIBLK		3			✓	✓		
1747	09				4			✓	✓		
1834	10				4			✓	✓		
1921	11				4			✓	✓		
2008	12				4			✓	✓		
2055	13				4			✓	✓		
2142	14				4			✓	✓		
2229	15				4			✓	✓		
2316	16		↓	↓	4	↓	↓	✓	✓	↓	
0808	17	4092	17917-2	0.2	7	1000	WRD	✓	↑	WRD	
0905	18	4793	17928-2	↓	8	↓	↓	✓	✓	↓	
1003	19	4092	17917-1	↓	7	↓	↓	✓	limited	↓	

PAD 8/20/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Rippstein	Samples Collected By: Brandon K. Haggard and Eric Reardon	1 of 2 COCs
Company: Walter Coke	Phone: 205-942-1789		
Address: 3500 35th Avenue North	Email: trippstein@terracon.com		
City/State/Zip Birmingham AL 35207			
Phone: 205-808-7803	Site Contact: Don Wiggins (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion	Analysis Turnaround Time		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
[redacted]	[redacted]					[redacted]	[redacted]	X									X		
SV40771-081513	08-15-13	0944	1014	-30	-6	08	2547	X									X		
SV40812-081513	08-15-13	0954	1024	-30	-6	03	2612	X									X		
[redacted]	[redacted]					[redacted]	[redacted]	X									X		
CS40811-081513	08-15/16-13	1120	1120	-30	-7	3451	2533	X											X
DUP-081513	08-15/16-13	1120	1120	-30	-7	5214	4236	X											X

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Other - Air in Crawlspace beneath residence
Please email report to Project Manager.
Please send the invoice to Client/Site Contact
please mail the hard copy/original report to project manager @ Terracon, 110 12th Street North, Birmingham AL 35203 Attn - Terry Rippstein

Samples Shipped by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Samples Received by: TA BUR 8/19/13 0840
Samples Relinquished by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Received by:
Relinquished by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

200-17995 COC

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Rippstein	Samples Collected By: Brandon K. Haggard and Eric Reardon	2 of 2 COCs
Company: Walter Coke	Phone: 205-942-1289		
Address: 3500 35th Avenue North	Email: twrippstein@terracon.com		
City/State/Zip Birmingham AL 35207			
Phone: 205-508-7803	Site Contact: Don Wiggins (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion	**Analysis Turnaround Time**		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BG-0815-13	08-15-16-13	0910	1150	-28	0	4941	4357	X								X			
SV40811-0816-13	08-16-13	1243	1313	-28	-3	4624	4126	X									X		
SV40772-081613	08-16-13	1249	1319	-30	-4	5295	4793	X									X		

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page 1 of 2 - ER

Samples Shipped by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Samples Received by: TABR 8/19/15 0840
Samples Relinquished by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Received by:
Relinquished by: B. Kyle Haggard	Date/Time: 8-16-13 1600	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

From: (205) 942-1289
Lisa Sharman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: BHMA

FedEx Express

J13201306280326

Ship Date: 16AUG13
ActWgt: 15.0 LB
CAD: 101319659/INET3430

Delivery Address Bar Code

SHIP TO: (602) 659-7612 BILL SENDER

Sample Management
Test America
30 Community Drive Ste. 11

S BURLINGTON, VT 05403

Ref # E1137075
Invoice #
PO #
Dept #

1 of 3

MON - 19 AUG 3:00P
STANDARD OVERNIGHT

TRK# 7964 8604 3196
0201

MASTER

SB BTVA

05403
VT-US
BTV

51AG1/0989/1A9E

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: (205) 942-1289
Lisa Sharman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: BHMA

FedEx Express

J13201306280326

Ship Date: 16AUG13
ActWgt: 28.0 LB
CAD: 101319659/INET3430

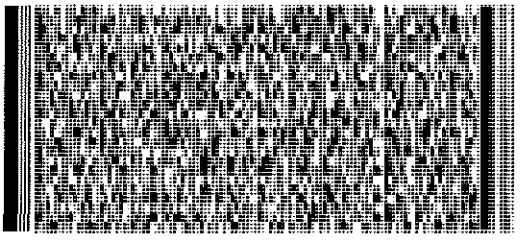
Delivery Address Bar Code

SHIP TO: (602) 659-7612
Sample Management
Test America
30 Community Drive Ste. 11

S BURLINGTON, VT 05403

BILL SENDER

Ref # E1137075
Invoice #
PO #
Dept #



2 of 3

MPS# 7964 8604 3667
0263

Mstr# 7964 8604 3196 0201

MON - 19 AUG 3:00P
STANDARD OVERNIGHT

SB BTVA

05403
VT-US
BTV

51AG1/0989/1A9E

From: (205) 942-1289
Lisa Sharman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: BHMA

FedEx Express

J13201306280326

Ship Date: 16AUG13
ActWgt: 31.0 LB
CAD: 101319659/INET3430

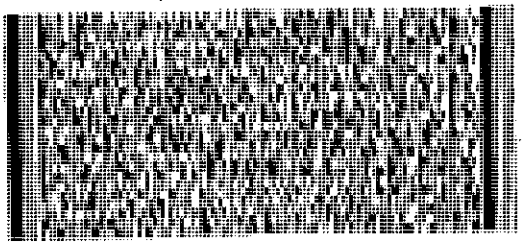
Delivery Address Bar Code

SHIP TO: (602) 659-7612
Sample Management
Test America
30 Community Drive Ste. 11

S BURLINGTON, VT 05403

BILL SENDER

Ref # E1137075
Invoice #
PO #
Dept #



3 of 3

MPS# 7964 8604 3520
0263

Mstr# 7964 8604 3196 0201

MON - 19 AUG 3:00P
STANDARD OVERNIGHT

SB BTVA

05403
VT-US
BTV

Login Sample Receipt Checklist

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-17995-1
SDG Number: 200-17995

Login Number: 17995
List Source: TestAmerica Burlington
List Number: 1
Creator: Poucher, Stephanie A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	935353, 354, 136474, 471
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	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 containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 200-19497-1

SDG Number: 200-19497-1

Job Description: Walter Coke VI Characterization

For:
Terracon Consultants Inc fka Gallet Asso
110 12th Street North
Birmingham, AL 35203

Attention: Mr. Terry Rippstein

Approved for release.
Don C Dawicki
Manager of Project Management
11/29/2013 10:31 AM

Don C Dawicki, Manager of Project Management
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
11/29/2013

cc: Mr. Travis Stamper

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CASE NARRATIVE

Client: Terracon Consultants Inc fka Gallet Asso

Project: Walter Coke VI Characterization

Report Number: 200-19497-1

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 11/13/2013; the samples arrived in good condition.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Samples SV40811-111113, SV40771-111113, SV40812-111113, SV40772-111113, CS40811-111113, DUP-111113 and BG-111113 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 11/22/2013.

Samples SV40811-111113[2.99X], SV40771-111113[3X], SV40812-111113[2.99X], SV40772-111113[2.99X], CS40811-111113[2.99X], DUP-111113[2.99X] and BG-111113[2.99X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Low Level VOC analysis.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Instrument ID: E.i Analysis Batch Number: 61363

Lab Sample ID: IC 200-61363/4 Client Sample ID:

Date Analyzed: 09/13/13 14:25 Lab File ID: efz004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl tert-butyl ether	7.73	Baseline event	wrd	09/16/13 08:23
n-Heptane	11.01	Baseline event	wrd	09/16/13 08:10
Trichloroethene	11.71	Baseline event	wrd	09/16/13 08:10
1,1,2-Trichloroethane	14.18	Baseline event	wrd	09/16/13 08:11
Tetrachloroethene	14.29	Baseline event	wrd	09/16/13 08:11
Bromoform	16.57	Baseline event	wrd	09/16/13 08:12

Lab Sample ID: IC 200-61363/5 Client Sample ID:

Date Analyzed: 09/13/13 15:20 Lab File ID: efz005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	6.27	Baseline event	wrd	09/16/13 08:14
n-Hexane	8.13	Baseline event	wrd	09/16/13 08:15
1,2-Dichloropropane	12.09	Baseline event	wrd	09/16/13 08:15
1,1,2-Trichloroethane	14.15	Baseline event	wrd	09/16/13 08:16

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Instrument ID: E.i Analysis Batch Number: 65026

Lab Sample ID: 200-19497-3 Client Sample ID: SV40812-111113

Date Analyzed: 11/22/13 17:15 Lab File ID: efzk008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	14.29	Baseline event	wrd	11/25/13 15:58

Lab Sample ID: 200-19497-7 Client Sample ID: BG-111113

Date Analyzed: 11/22/13 20:54 Lab File ID: efzk012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethene	14.30	Baseline event	wrd	11/25/13 16:12

SAMPLE SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-19497-1	SV40811-111113	Air	11/11/2013 1545	11/13/2013 1015
200-19497-2	SV40771-111113	Air	11/11/2013 1547	11/13/2013 1015
200-19497-3	SV40812-111113	Air	11/11/2013 1549	11/13/2013 1015
200-19497-4	SV40772-111113	Air	11/11/2013 1543	11/13/2013 1015
200-19497-5	CS40811-111113	Air	11/12/2013 1200	11/13/2013 1015
200-19497-6	DUP-111113	Air	11/12/2013 1200	11/13/2013 1015
200-19497-7	BG-111113	Air	11/12/2013 1230	11/13/2013 1015

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-19497-1	**SV40811-111113**					
Benzene		0.14		0.030	ppb v/v	TO15 LL
Benzene		0.46		0.096	ug/m3	TO15 LL
Toluene		0.12		0.030	ppb v/v	TO15 LL
Toluene		0.45		0.11	ug/m3	TO15 LL
Tetrachloroethene		0.097		0.030	ppb v/v	TO15 LL
Tetrachloroethene		0.66		0.20	ug/m3	TO15 LL
o-Xylene		0.18		0.030	ppb v/v	TO15 LL
o-Xylene		0.79		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.061		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.26		0.26	ug/m3	TO15 LL
Xylenes, Total		0.24		0.030	ppb v/v	TO15 LL
Xylenes, Total		1.1		0.13	ug/m3	TO15 LL
Chlorobenzene		0.12		0.12	ppb v/v	TO15 LL
Chlorobenzene		0.56		0.55	ug/m3	TO15 LL
200-19497-2	**SV40771-111113**					
Benzene		0.41		0.030	ppb v/v	TO15 LL
Benzene		1.3		0.096	ug/m3	TO15 LL
Toluene		0.28		0.030	ppb v/v	TO15 LL
Toluene		1.0		0.11	ug/m3	TO15 LL
Tetrachloroethene		0.037		0.030	ppb v/v	TO15 LL
Tetrachloroethene		0.25		0.20	ug/m3	TO15 LL
Ethylbenzene		0.068		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.29		0.13	ug/m3	TO15 LL
o-Xylene		0.44		0.030	ppb v/v	TO15 LL
o-Xylene		1.9		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.16		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.71		0.26	ug/m3	TO15 LL
Xylenes, Total		0.61		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.6		0.13	ug/m3	TO15 LL
Chlorobenzene		0.51		0.12	ppb v/v	TO15 LL
Chlorobenzene		2.3		0.55	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-19497-3	**SV40812-111113**					
Benzene		0.34		0.030	ppb v/v	TO15 LL
Benzene		1.1		0.096	ug/m3	TO15 LL
Toluene		0.084		0.030	ppb v/v	TO15 LL
Toluene		0.32		0.11	ug/m3	TO15 LL
o-Xylene		0.21		0.030	ppb v/v	TO15 LL
o-Xylene		0.90		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.087		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		0.38		0.26	ug/m3	TO15 LL
Xylenes, Total		0.29		0.030	ppb v/v	TO15 LL
Xylenes, Total		1.3		0.13	ug/m3	TO15 LL
Chlorobenzene		0.22		0.12	ppb v/v	TO15 LL
Chlorobenzene		1.0		0.55	ug/m3	TO15 LL
200-19497-4	**SV40772-111113**					
Benzene		0.39		0.030	ppb v/v	TO15 LL
Benzene		1.2		0.096	ug/m3	TO15 LL
Toluene		0.45		0.030	ppb v/v	TO15 LL
Toluene		1.7		0.11	ug/m3	TO15 LL
Tetrachloroethene		0.039		0.030	ppb v/v	TO15 LL
Tetrachloroethene		0.26		0.20	ug/m3	TO15 LL
Ethylbenzene		0.11		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.48		0.13	ug/m3	TO15 LL
o-Xylene		0.20		0.030	ppb v/v	TO15 LL
o-Xylene		0.86		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.86		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		3.7		0.26	ug/m3	TO15 LL
Xylenes, Total		1.1		0.030	ppb v/v	TO15 LL
Xylenes, Total		4.6		0.13	ug/m3	TO15 LL
Chlorobenzene		0.26		0.12	ppb v/v	TO15 LL
Chlorobenzene		1.2		0.55	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-19497-5	**CS40811-111113**					
Benzene		0.81		0.030	ppb v/v	TO15 LL
Benzene		2.6		0.096	ug/m3	TO15 LL
Toluene		0.57		0.030	ppb v/v	TO15 LL
Toluene		2.1		0.11	ug/m3	TO15 LL
Ethylbenzene		0.10		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.45		0.13	ug/m3	TO15 LL
o-Xylene		0.12		0.030	ppb v/v	TO15 LL
o-Xylene		0.51		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.31		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.3		0.26	ug/m3	TO15 LL
Xylenes, Total		0.43		0.030	ppb v/v	TO15 LL
Xylenes, Total		1.9		0.13	ug/m3	TO15 LL
200-19497-6	**DUP-111113**					
Benzene		1.1		0.030	ppb v/v	TO15 LL
Benzene		3.6		0.096	ug/m3	TO15 LL
Toluene		0.65		0.030	ppb v/v	TO15 LL
Toluene		2.5		0.11	ug/m3	TO15 LL
Tetrachloroethene		0.042		0.030	ppb v/v	TO15 LL
Tetrachloroethene		0.29		0.20	ug/m3	TO15 LL
Ethylbenzene		0.098		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.43		0.13	ug/m3	TO15 LL
o-Xylene		0.11		0.030	ppb v/v	TO15 LL
o-Xylene		0.48		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.36		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.6		0.26	ug/m3	TO15 LL
Xylenes, Total		0.47		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.0		0.13	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-19497-7	**BG-111113**					
Benzene		1.7		0.030	ppb v/v	TO15 LL
Benzene		5.4		0.096	ug/m3	TO15 LL
Toluene		1.1		0.030	ppb v/v	TO15 LL
Toluene		4.2		0.11	ug/m3	TO15 LL
Tetrachloroethene		0.038		0.030	ppb v/v	TO15 LL
Tetrachloroethene		0.26		0.20	ug/m3	TO15 LL
Ethylbenzene		0.21		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.91		0.13	ug/m3	TO15 LL
o-Xylene		0.23		0.030	ppb v/v	TO15 LL
o-Xylene		0.98		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.72		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		3.1		0.26	ug/m3	TO15 LL
Xylenes, Total		0.94		0.030	ppb v/v	TO15 LL
Xylenes, Total		4.1		0.13	ug/m3	TO15 LL

METHOD SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL BUR	EPA TO15 LL	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Method	Analyst	Analyst ID
EPA TO15 LL	Desjardins, William R	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **SV40811-111113**

Lab Sample ID: 200-19497-1
Client Matrix: Air

Date Sampled: 11/11/2013 1545
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk006.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	11/22/2013 1526			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1526			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.14		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.12		0.030	0.030
Tetrachloroethene	0.097		0.030	0.030
Ethylbenzene	0.030	U	0.030	0.030
o-Xylene	0.18		0.030	0.030
m-Xylene & p-Xylene	0.061		0.060	0.060
Xylenes, Total	0.24		0.030	0.030
Chlorobenzene	0.12		0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.46		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	0.45		0.11	0.11
Tetrachloroethene	0.66		0.20	0.20
Ethylbenzene	0.13	U	0.13	0.13
o-Xylene	0.79		0.13	0.13
m-Xylene & p-Xylene	0.26		0.26	0.26
Xylenes, Total	1.1		0.13	0.13
Chlorobenzene	0.56		0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **SV40771-111113**

Lab Sample ID: 200-19497-2
Client Matrix: Air

Date Sampled: 11/11/2013 1547
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk007.d
Dilution:	3.0			Initial Weight/Volume:	215 mL
Analysis Date:	11/22/2013 1621			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1621			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.41		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.28		0.030	0.030
Tetrachloroethene	0.037		0.030	0.030
Ethylbenzene	0.068		0.030	0.030
o-Xylene	0.44		0.030	0.030
m-Xylene & p-Xylene	0.16		0.060	0.060
Xylenes, Total	0.61		0.030	0.030
Chlorobenzene	0.51		0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	1.3		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	1.0		0.11	0.11
Tetrachloroethene	0.25		0.20	0.20
Ethylbenzene	0.29		0.13	0.13
o-Xylene	1.9		0.13	0.13
m-Xylene & p-Xylene	0.71		0.26	0.26
Xylenes, Total	2.6		0.13	0.13
Chlorobenzene	2.3		0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **SV40812-111113**

Lab Sample ID: 200-19497-3
Client Matrix: Air

Date Sampled: 11/11/2013 1549
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk008.d
Dilution:	2.99			Initial Weight/Volume:	222 mL
Analysis Date:	11/22/2013 1715			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1715			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.34		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.084		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.030	U	0.030	0.030
o-Xylene	0.21		0.030	0.030
m-Xylene & p-Xylene	0.087		0.060	0.060
Xylenes, Total	0.29		0.030	0.030
Chlorobenzene	0.22		0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	1.1		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	0.32		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.13	U	0.13	0.13
o-Xylene	0.90		0.13	0.13
m-Xylene & p-Xylene	0.38		0.26	0.26
Xylenes, Total	1.3		0.13	0.13
Chlorobenzene	1.0		0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **SV40772-111113**

Lab Sample ID: 200-19497-4
Client Matrix: Air

Date Sampled: 11/11/2013 1543
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk009.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	11/22/2013 1810			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1810			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.39		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.45		0.030	0.030
Tetrachloroethene	0.039		0.030	0.030
Ethylbenzene	0.11		0.030	0.030
o-Xylene	0.20		0.030	0.030
m-Xylene & p-Xylene	0.86		0.060	0.060
Xylenes, Total	1.1		0.030	0.030
Chlorobenzene	0.26		0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	1.2		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	1.7		0.11	0.11
Tetrachloroethene	0.26		0.20	0.20
Ethylbenzene	0.48		0.13	0.13
o-Xylene	0.86		0.13	0.13
m-Xylene & p-Xylene	3.7		0.26	0.26
Xylenes, Total	4.6		0.13	0.13
Chlorobenzene	1.2		0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **CS40811-111113**

Lab Sample ID: 200-19497-5
Client Matrix: Air

Date Sampled: 11/12/2013 1200
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk010.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	11/22/2013 1905			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1905			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.81		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.57		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.10		0.030	0.030
o-Xylene	0.12		0.030	0.030
m-Xylene & p-Xylene	0.31		0.060	0.060
Xylenes, Total	0.43		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	2.6		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	2.1		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.45		0.13	0.13
o-Xylene	0.51		0.13	0.13
m-Xylene & p-Xylene	1.3		0.26	0.26
Xylenes, Total	1.9		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **DUP-111113**

Lab Sample ID: 200-19497-6
Client Matrix: Air

Date Sampled: 11/12/2013 1200
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk011.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	11/22/2013 2000			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 2000			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	1.1		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.65		0.030	0.030
Tetrachloroethene	0.042		0.030	0.030
Ethylbenzene	0.098		0.030	0.030
o-Xylene	0.11		0.030	0.030
m-Xylene & p-Xylene	0.36		0.060	0.060
Xylenes, Total	0.47		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	3.6		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	2.5		0.11	0.11
Tetrachloroethene	0.29		0.20	0.20
Ethylbenzene	0.43		0.13	0.13
o-Xylene	0.48		0.13	0.13
m-Xylene & p-Xylene	1.6		0.26	0.26
Xylenes, Total	2.0		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Client Sample ID: **BG-111113**

Lab Sample ID: 200-19497-7
Client Matrix: Air

Date Sampled: 11/12/2013 1230
Date Received: 11/13/2013 1015

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-65026	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efzk012.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	11/22/2013 2054			Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 2054			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	1.7		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	1.1		0.030	0.030
Tetrachloroethene	0.038		0.030	0.030
Ethylbenzene	0.21		0.030	0.030
o-Xylene	0.23		0.030	0.030
m-Xylene & p-Xylene	0.72		0.060	0.060
Xylenes, Total	0.94		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	5.4		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	4.2		0.11	0.11
Tetrachloroethene	0.26		0.20	0.20
Ethylbenzene	0.91		0.13	0.13
o-Xylene	0.98		0.13	0.13
m-Xylene & p-Xylene	3.1		0.26	0.26
Xylenes, Total	4.1		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Method Blank - Batch: 200-65026

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-65026/4	Analysis Batch:	200-65026	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efzk005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/22/2013 1432	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1432			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.020	U	0.020	0.020
1,1-Dichloroethene	0.010	U	0.010	0.010
trans-1,2-Dichloroethene	0.010	U	0.010	0.010
cis-1,2-Dichloroethene	0.010	U	0.010	0.010
Benzene	0.010	U	0.010	0.010
Trichloroethene	0.010	U	0.010	0.010
Toluene	0.010	U	0.010	0.010
Tetrachloroethene	0.010	U	0.010	0.010
Ethylbenzene	0.010	U	0.010	0.010
o-Xylene	0.010	U	0.010	0.010
m-Xylene & p-Xylene	0.020	U	0.020	0.020
Xylenes, Total	0.010	U	0.010	0.010
Chlorobenzene	0.040	U	0.040	0.040

Method Blank - Batch: 200-65026

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-65026/4	Analysis Batch:	200-65026	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efzk005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/22/2013 1432	Units:	ug/m3	Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1432			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.051	U	0.051	0.051
1,1-Dichloroethene	0.040	U	0.040	0.040
trans-1,2-Dichloroethene	0.040	U	0.040	0.040
cis-1,2-Dichloroethene	0.040	U	0.040	0.040
Benzene	0.032	U	0.032	0.032
Trichloroethene	0.054	U	0.054	0.054
Toluene	0.038	U	0.038	0.038
Tetrachloroethene	0.068	U	0.068	0.068
Ethylbenzene	0.043	U	0.043	0.043
o-Xylene	0.043	U	0.043	0.043
m-Xylene & p-Xylene	0.087	U	0.087	0.087
Xylenes, Total	0.043	U	0.043	0.043
Chlorobenzene	0.18	U	0.18	0.18

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Control Sample - Batch: 200-65026

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	LCS 200-65026/3	Analysis Batch:	200-65026	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efzk003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	11/22/2013 1337	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	11/22/2013 1337			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	0.200	0.243	121	70 - 130	
1,1-Dichloroethene	0.200	0.209	105	70 - 130	
trans-1,2-Dichloroethene	0.200	0.209	105	70 - 130	
cis-1,2-Dichloroethene	0.200	0.211	105	70 - 130	
Benzene	0.200	0.217	109	70 - 130	
Trichloroethene	0.200	0.209	104	70 - 130	
Toluene	0.200	0.200	100	70 - 130	
Tetrachloroethene	0.200	0.220	110	70 - 130	
Ethylbenzene	0.200	0.207	104	70 - 130	
o-Xylene	0.200	0.178	89	70 - 130	
m-Xylene & p-Xylene	0.400	0.370	92	70 - 130	
Chlorobenzene	0.200	0.215	107	70 - 130	

DATA REPORTING QUALIFIERS

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
Sdg Number: 200-19497-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-65026					
LCS 200-65026/3	Lab Control Sample	T	Air	TO15 LL	
MB 200-65026/4	Method Blank	T	Air	TO15 LL	
200-19497-1	SV40811-111113	T	Air	TO15 LL	
200-19497-2	SV40771-111113	T	Air	TO15 LL	
200-19497-3	SV40812-111113	T	Air	TO15 LL	
200-19497-4	SV40772-111113	T	Air	TO15 LL	
200-19497-5	CS40811-111113	T	Air	TO15 LL	
200-19497-6	DUP-111113	T	Air	TO15 LL	
200-19497-7	BG-111113	T	Air	TO15 LL	

Report Basis
T = Total

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
SDG: 200-19497-1

Laboratory Chronicle

Lab ID: 200-19497-1 **Client ID:** SV40811-111113

Sample Date/Time: 11/11/2013 15:45 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-1		200-65026		11/22/2013 15:26	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-1		200-65026		11/22/2013 15:26	2.99	TAL BUR	WRD

Lab ID: 200-19497-2 **Client ID:** SV40771-111113

Sample Date/Time: 11/11/2013 15:47 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-2		200-65026		11/22/2013 16:21	3	TAL BUR	WRD
A:TO15 LL	200-19497-A-2		200-65026		11/22/2013 16:21	3	TAL BUR	WRD

Lab ID: 200-19497-3 **Client ID:** SV40812-111113

Sample Date/Time: 11/11/2013 15:49 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-3		200-65026		11/22/2013 17:15	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-3		200-65026		11/22/2013 17:15	2.99	TAL BUR	WRD

Lab ID: 200-19497-4 **Client ID:** SV40772-111113

Sample Date/Time: 11/11/2013 15:43 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-4		200-65026		11/22/2013 18:10	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-4		200-65026		11/22/2013 18:10	2.99	TAL BUR	WRD

Lab ID: 200-19497-5 **Client ID:** CS40811-111113

Sample Date/Time: 11/12/2013 12:00 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-5		200-65026		11/22/2013 19:05	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-5		200-65026		11/22/2013 19:05	2.99	TAL BUR	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
SDG: 200-19497-1

Laboratory Chronicle

Lab ID: 200-19497-6 **Client ID:** DUP-111113

Sample Date/Time: 11/12/2013 12:00 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-6		200-65026		11/22/2013 20:00	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-6		200-65026		11/22/2013 20:00	2.99	TAL BUR	WRD

Lab ID: 200-19497-7 **Client ID:** BG-111113

Sample Date/Time: 11/12/2013 12:30 Received Date/Time: 11/13/2013 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-19497-A-7		200-65026		11/22/2013 20:54	2.99	TAL BUR	WRD
A:TO15 LL	200-19497-A-7		200-65026		11/22/2013 20:54	2.99	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-65026/4		200-65026		11/22/2013 14:32	1	TAL BUR	WRD
A:TO15 LL	MB 200-65026/4		200-65026		11/22/2013 14:32	1	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-65026/3		200-65026		11/22/2013 13:37	1	TAL BUR	WRD
A:TO15 LL	LCS 200-65026/3		200-65026		11/22/2013 13:37	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Terracon Consultants Inc fka Gallet Asso
Project/Site: Walter Coke VI Characterization

TestAmerica Job ID: 200-19497-1
SDG: 200-19497-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

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

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Matrix: Air Level: Low Lab File ID: efzk003.d

Lab ID: LCS 200-65026/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.243	121	70-130	
1,1-Dichloroethene	0.200	0.209	105	70-130	
trans-1,2-Dichloroethene	0.200	0.209	105	70-130	
cis-1,2-Dichloroethene	0.200	0.211	105	70-130	
Benzene	0.200	0.217	109	70-130	
Trichloroethene	0.200	0.209	104	70-130	
Toluene	0.200	0.200	100	70-130	
Tetrachloroethene	0.200	0.220	110	70-130	
Ethylbenzene	0.200	0.207	104	70-130	
o-Xylene	0.200	0.178	89	70-130	
m-Xylene & p-Xylene	0.400	0.370	92	70-130	
Chlorobenzene	0.200	0.215	107	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab File ID: efzk005.d Lab Sample ID: MB 200-65026/4

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

Instrument ID: E.i Date Analyzed: 11/22/2013 14:32

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 200-65026/3	efzk003.d	11/22/2013 13:37
SV40811-111113	200-19497-1	efzk006.d	11/22/2013 15:26
SV40771-111113	200-19497-2	efzk007.d	11/22/2013 16:21
SV40812-111113	200-19497-3	efzk008.d	11/22/2013 17:15
SV40772-111113	200-19497-4	efzk009.d	11/22/2013 18:10
CS40811-111113	200-19497-5	efzk010.d	11/22/2013 19:05
DUP-111113	200-19497-6	efzk011.d	11/22/2013 20:00
BG-111113	200-19497-7	efzk012.d	11/22/2013 20:54

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab File ID: efz001.d BFB Injection Date: 09/13/2013

Instrument ID: E.i BFB Injection Time: 11:45

Analysis Batch No.: 61363

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.1	
75	30.0 - 66.0% of mass 95	49.6	
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	0.9	(1.0)1
174	50.0 - 120.0% of mass 95	86.8	
175	4.0 - 9.0 % of mass 174	6.5	(7.5)1
176	93.0 - 101.0% of mass 174	82.0	(94.6)1
177	5.0 - 9.0% of mass 176	5.4	(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 200-61363/4	efz004.d	09/13/2013	14:25
	IC 200-61363/5	efz005.d	09/13/2013	15:20
	IC 200-61363/6	efz006.d	09/13/2013	16:15
	IC 200-61363/7	efz007.d	09/13/2013	17:09
	ICIS 200-61363/8	efz008.d	09/13/2013	18:04
	IC 200-61363/9	efz009.d	09/13/2013	18:59
	IC 200-61363/10	efz010.d	09/13/2013	19:54
	IC 200-61363/11	efz011.d	09/13/2013	20:48
	IC 200-61363/12	efz012.d	09/13/2013	21:43
	IC 200-61363/13	efz013.d	09/13/2013	22:37
	ICV 200-61363/16	efz016.d	09/14/2013	01:19

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab File ID: efzk001.d BFB Injection Date: 11/22/2013

Instrument ID: E.i BFB Injection Time: 11:54

Analysis Batch No.: 65026

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.2	
75	30.0 - 66.0% of mass 95	53.4	
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	1.1	(1.3)1
174	50.0 - 120.0% of mass 95	82.4	
175	4.0 - 9.0 % of mass 174	6.0	(7.3)1
176	93.0 - 101.0% of mass 174	79.7	(96.8)1
177	5.0 - 9.0% of mass 176	5.2	(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 200-65026/2	efzk002.d	11/22/2013	12:42
	LCS 200-65026/3	efzk003.d	11/22/2013	13:37
	MB 200-65026/4	efzk005.d	11/22/2013	14:32
SV40811-111113	200-19497-1	efzk006.d	11/22/2013	15:26
SV40771-111113	200-19497-2	efzk007.d	11/22/2013	16:21
SV40812-111113	200-19497-3	efzk008.d	11/22/2013	17:15
SV40772-111113	200-19497-4	efzk009.d	11/22/2013	18:10
CS40811-111113	200-19497-5	efzk010.d	11/22/2013	19:05
DUP-111113	200-19497-6	efzk011.d	11/22/2013	20:00
BG-111113	200-19497-7	efzk012.d	11/22/2013	20:54

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

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Sample No.: ICIS 200-61363/8 Date Analyzed: 09/13/2013 18:04

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efz008.d Heated Purge: (Y/N) N

Calibration ID: 23305

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		681566	9.91	3395880	11.36	3121508	15.49
UPPER LIMIT		954192	10.24	4754232	11.69	4370111	15.82
LOWER LIMIT		408940	9.58	2037528	11.03	1872905	15.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-61363/16		705287	9.91	3496130	11.36	3116011	15.49

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 TO15 LL

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

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Sample No.: CCVIS 200-65026/2 Date Analyzed: 11/22/2013 12:42

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efzk002.d Heated Purge: (Y/N) N

Calibration ID: 23305

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		591204	9.90	3003654	11.36	2701007	15.49
UPPER LIMIT		827686	10.23	4205116	11.69	3781410	15.82
LOWER LIMIT		354722	9.57	1802192	11.03	1620604	15.16
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-65026/3		601971	9.91	2997694	11.36	2704356	15.49
MB 200-65026/4		639681	9.91	3313159	11.36	2304036	15.49
200-19497-1	SV40811-111113	626708	9.91	3166629	11.36	2834711	15.49
200-19497-2	SV40771-111113	522279	9.91	2564779	11.36	2278538	15.49
200-19497-3	SV40812-111113	540220	9.91	2708088	11.35	2465515	15.49
200-19497-4	SV40772-111113	528734	9.90	2668451	11.36	2496256	15.49
200-19497-5	CS40811-111113	615478	9.91	2957797	11.36	2618895	15.49
200-19497-6	DUP-111113	539023	9.91	2650617	11.35	2415800	15.49
200-19497-7	BG-111113	518656	9.91	2621932	11.36	2367657	15.49

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 TO15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40811-111113 Lab Sample ID: 200-19497-1

Matrix: Air Lab File ID: efzk006.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:45

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 15:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.14		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.12		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.097		0.030	0.030
100-41-4	Ethylbenzene	106.17	0.030	U	0.030	0.030
95-47-6	o-Xylene	106.17	0.18		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.061		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.24		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40811-111113 Lab Sample ID: 200-19497-1

Matrix: Air Lab File ID: efzk006.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:45

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 15:26

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.46		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	0.45		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.66		0.20	0.20
100-41-4	Ethylbenzene	106.17	0.13	U	0.13	0.13
95-47-6	o-Xylene	106.17	0.79		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	0.26		0.26	0.26
1330-20-7	Xylenes, Total	106.17	1.1		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.56		0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-1
Client Smp ID: SV40811-111113
Inj Date : 22-NOV-2013 15:26
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-1
Misc Info : 167,2.99,crll
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 6
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

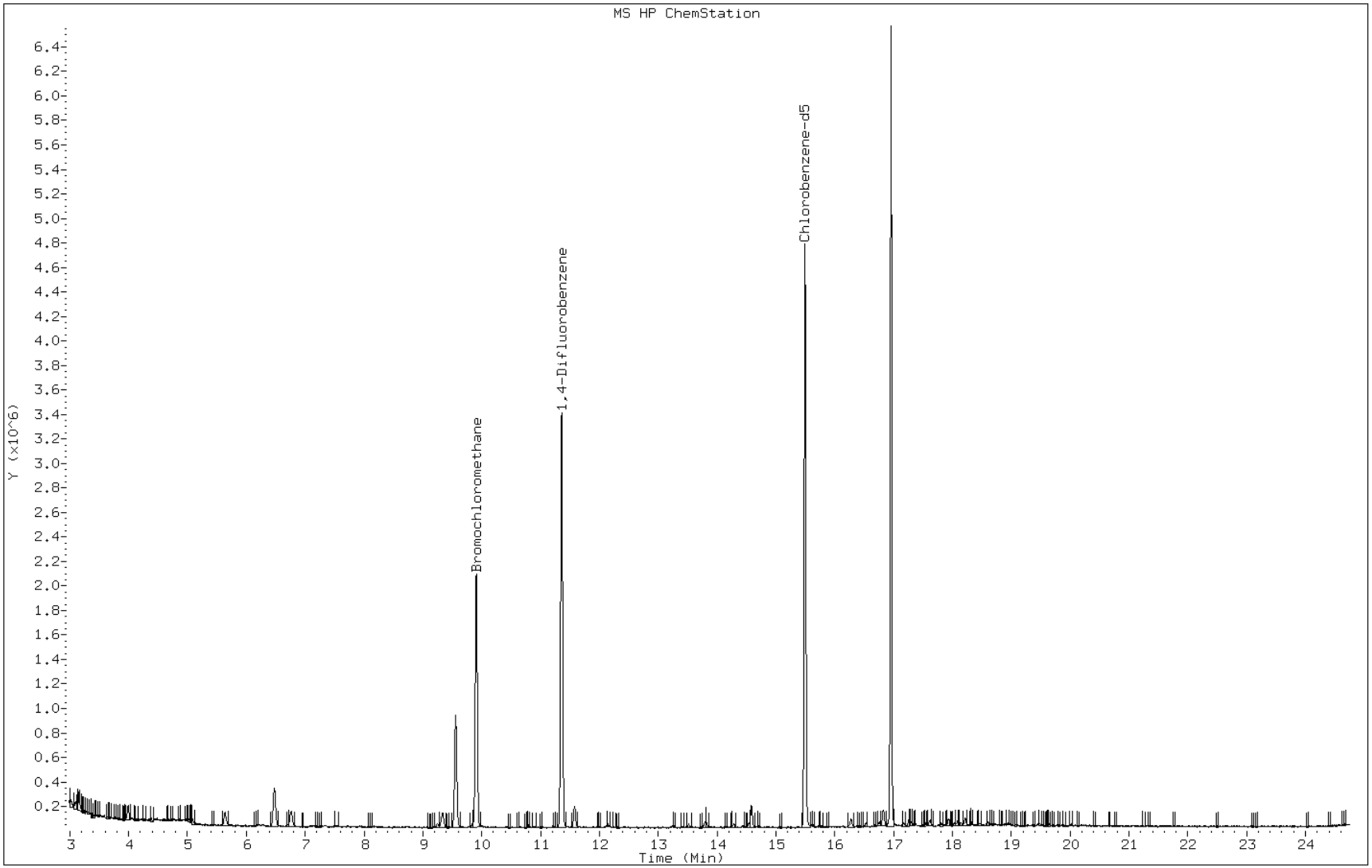
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.163	(0.319)	128129	0.15911	0.48
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.522	3.522	(0.355)	5252	0.03195	0.096(a)
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	5.068	5.084	(0.511)	55938	0.08004	0.24
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.213	(0.626)	7902	0.02194	0.066(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.342	7.347	(0.741)	6435	0.03006	0.090(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	626708	2.00000	
	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	10.460	10.450	(0.921)	4055	0.01004	0.030(Q)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	10.787	10.787	(0.950)	24801	0.04793	0.14
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3166629	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.520	13.515	(0.873)	13691	0.04000	0.12
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.296	14.291	(0.923)	9178	0.03256	0.097(Q)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.495	15.494	(1.000)	2834711	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	17517	0.04072	0.12(Q)
	67 Ethylbenzene	91	15.607	15.601	(1.007)	5505	0.00803	0.024(a)
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	5258	0.02040	0.061
M	70 Xylene, Total	106				21209	0.08113	0.24
	71 Xylene (o)	106	16.276	16.270	(1.050)	15951	0.06073	0.18
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.308	17.303	(1.117)	6540	0.01015	0.030
	81 1,3,5-Trimethylbenzene	105	17.378	17.367	(1.122)	5707	0.01074	0.032(a)
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	17267	0.03130	0.094(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:	efzk006.d	Date:	22-NOV-2013 15:26
Client ID:	SV40811-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-1		
Lab Sample ID:	200-19497-1		



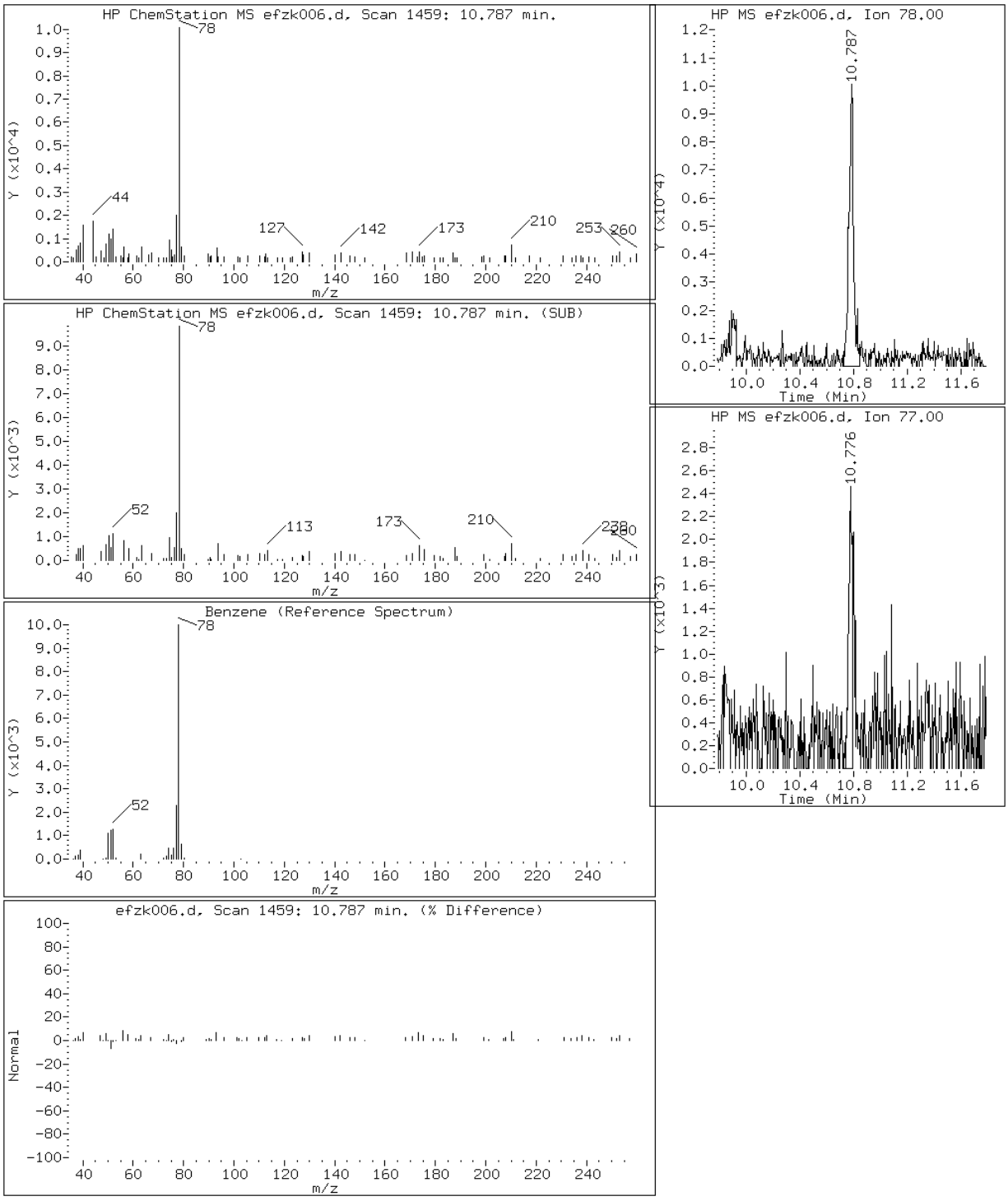
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

44 Benzene



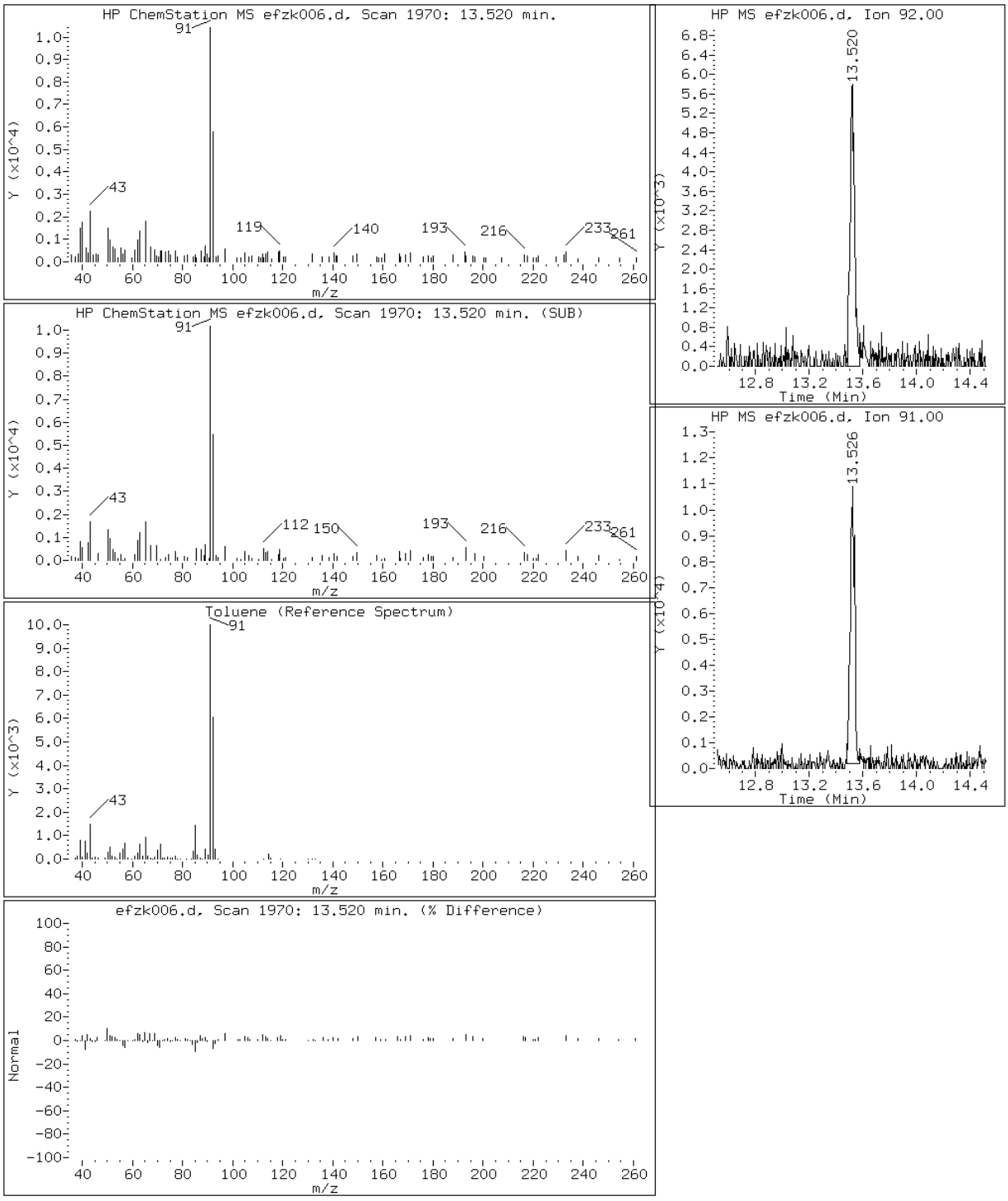
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

58 Toluene



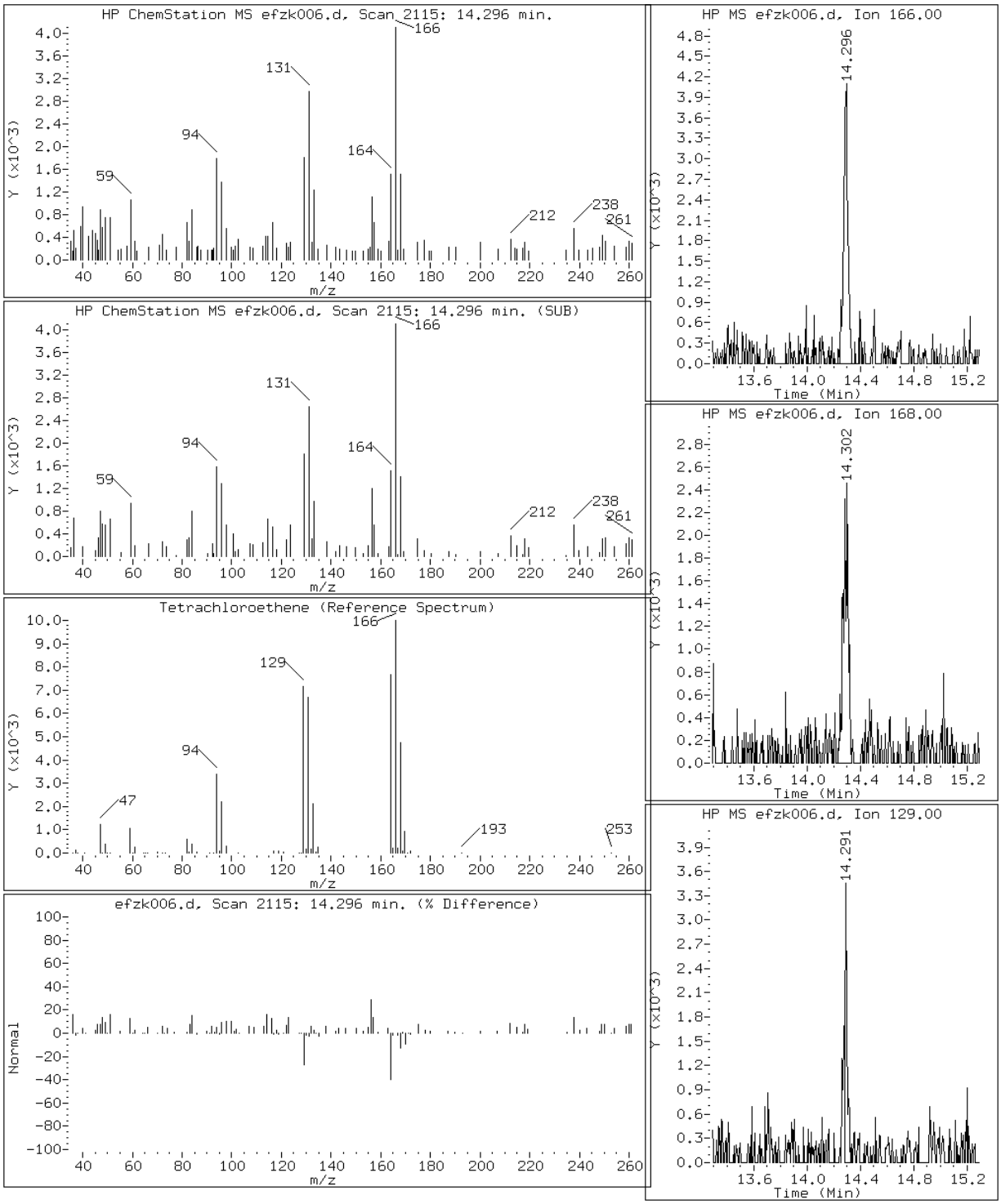
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

61 Tetrachloroethene



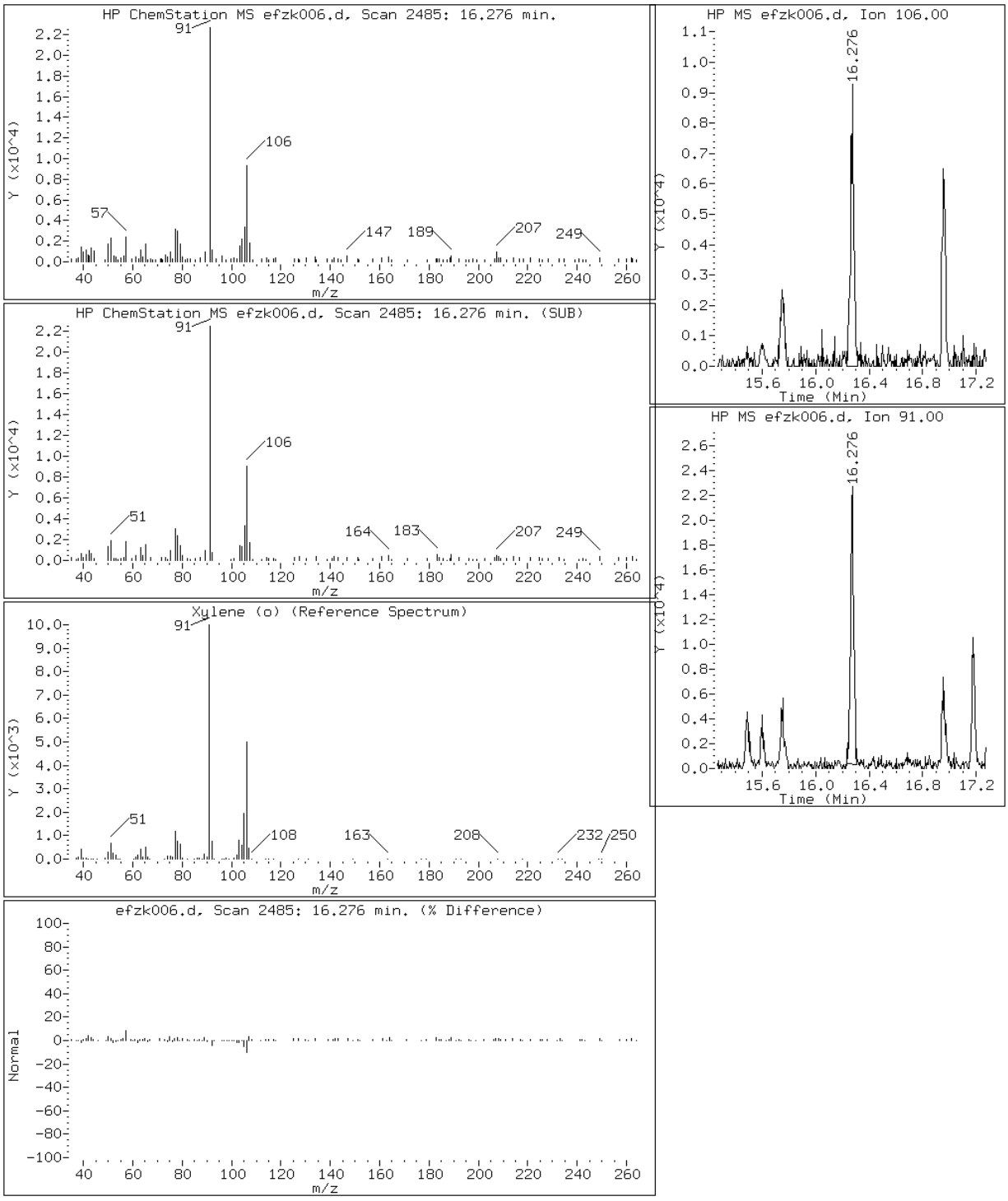
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

71 Xylene (o)



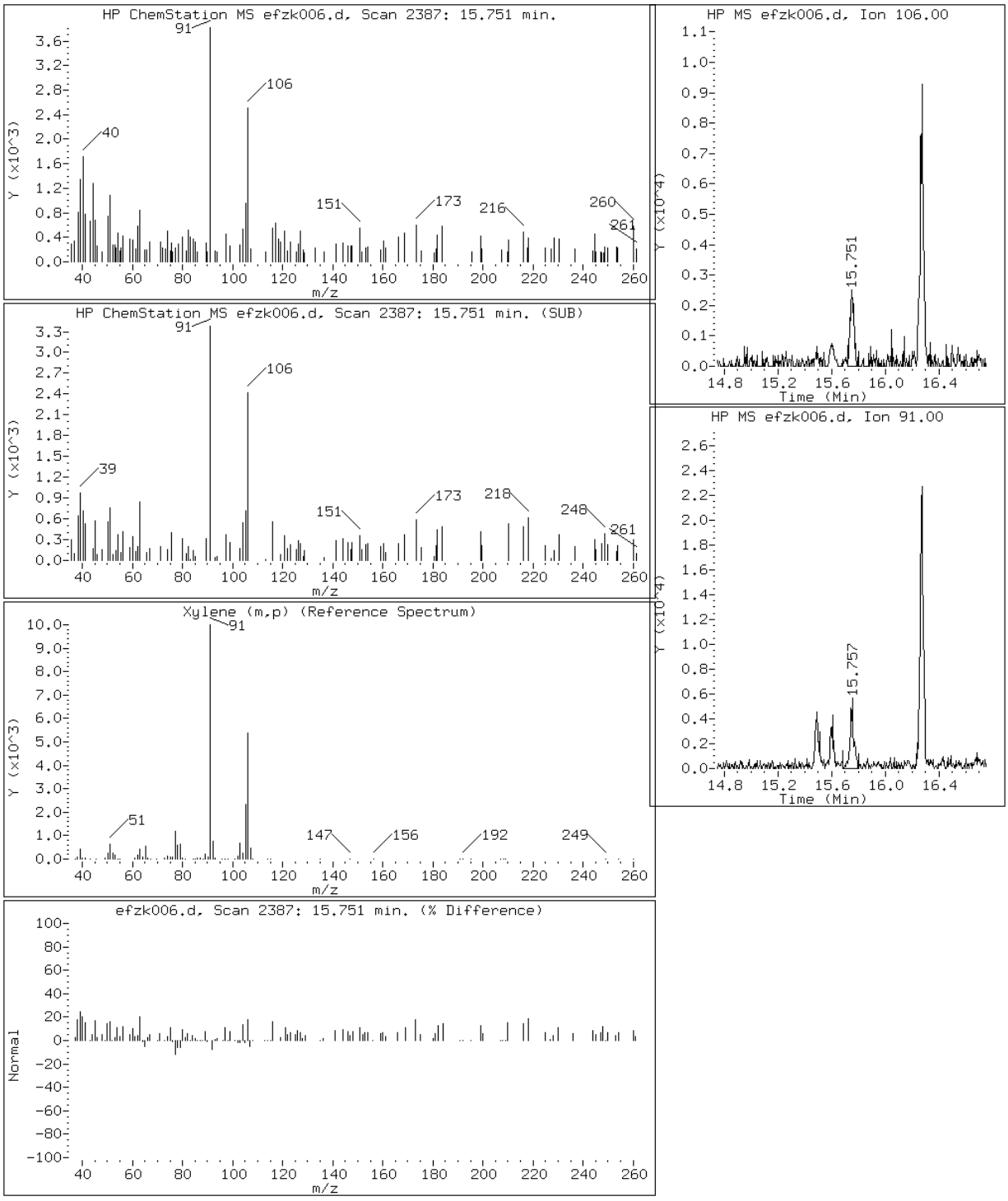
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

69 Xylene (m,p)



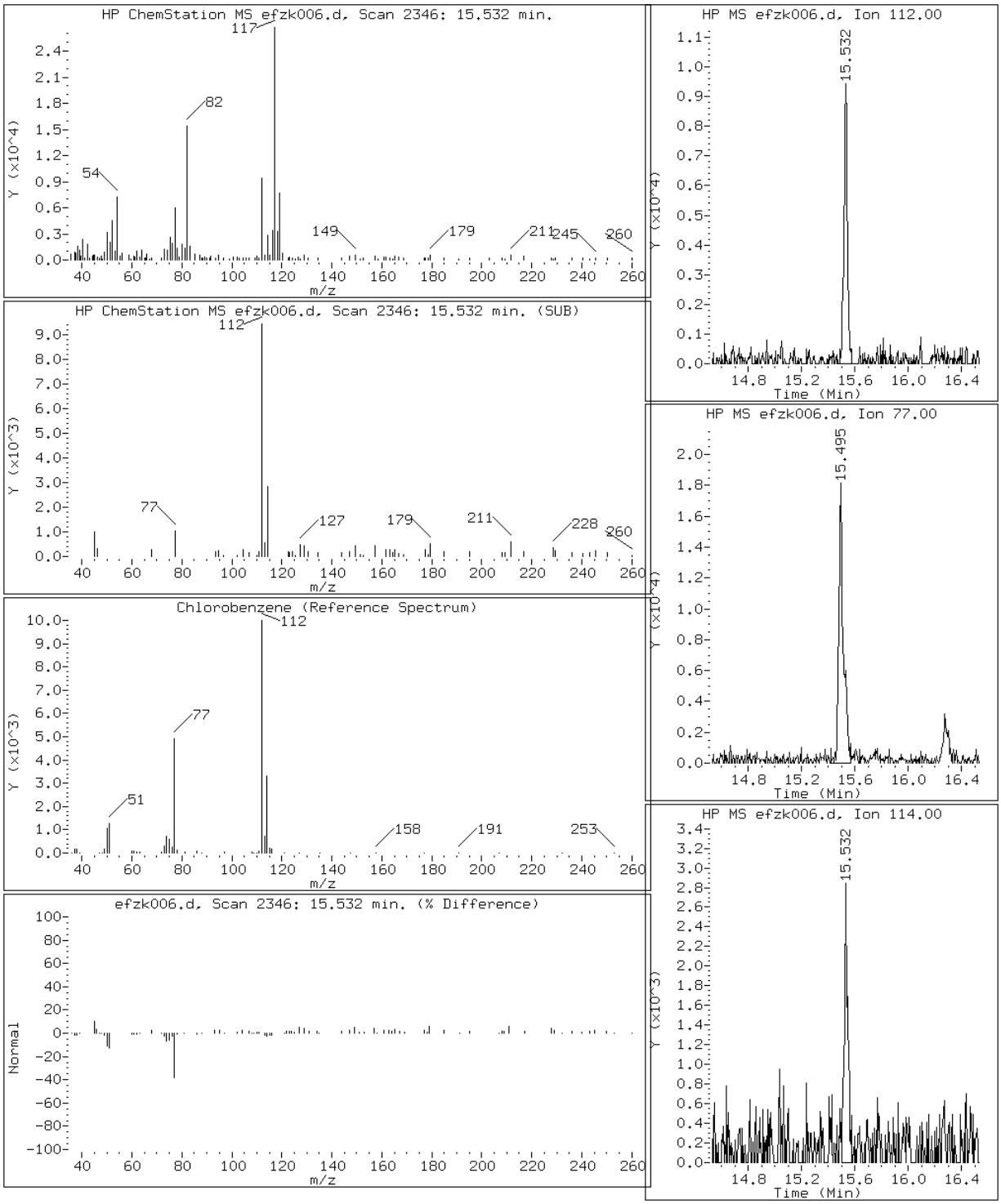
Data File: efzk006.d

Lab Sample ID: 200-19497-1 Date: 22-NOV-2013 15:26

Client ID: SV40811-111113 Instrument: E.i

Sample Info: 200-19497-A-1 Operator: wrd

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40771-111113 Lab Sample ID: 200-19497-2

Matrix: Air Lab File ID: efzk007.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:47

Sample wt/vol: 215(mL) Date Analyzed: 11/22/2013 16:21

Soil Aliquot Vol: Dilution Factor: 3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.41		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.28		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.037		0.030	0.030
100-41-4	Ethylbenzene	106.17	0.068		0.030	0.030
95-47-6	o-Xylene	106.17	0.44		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.16		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.61		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.51		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40771-111113 Lab Sample ID: 200-19497-2

Matrix: Air Lab File ID: efzk007.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:47

Sample wt/vol: 215(mL) Date Analyzed: 11/22/2013 16:21

Soil Aliquot Vol: Dilution Factor: 3

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	1.3		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	1.0		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.25		0.20	0.20
100-41-4	Ethylbenzene	106.17	0.29		0.13	0.13
95-47-6	o-Xylene	106.17	1.9		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	0.71		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.6		0.13	0.13
108-90-7	Chlorobenzene	112.56	2.3		0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-2
Client Smp ID: SV40771-111113
Inj Date : 22-NOV-2013 16:21
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-2
Misc Info : 215,3.00,crll cdf 1.29
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 7
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	215.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

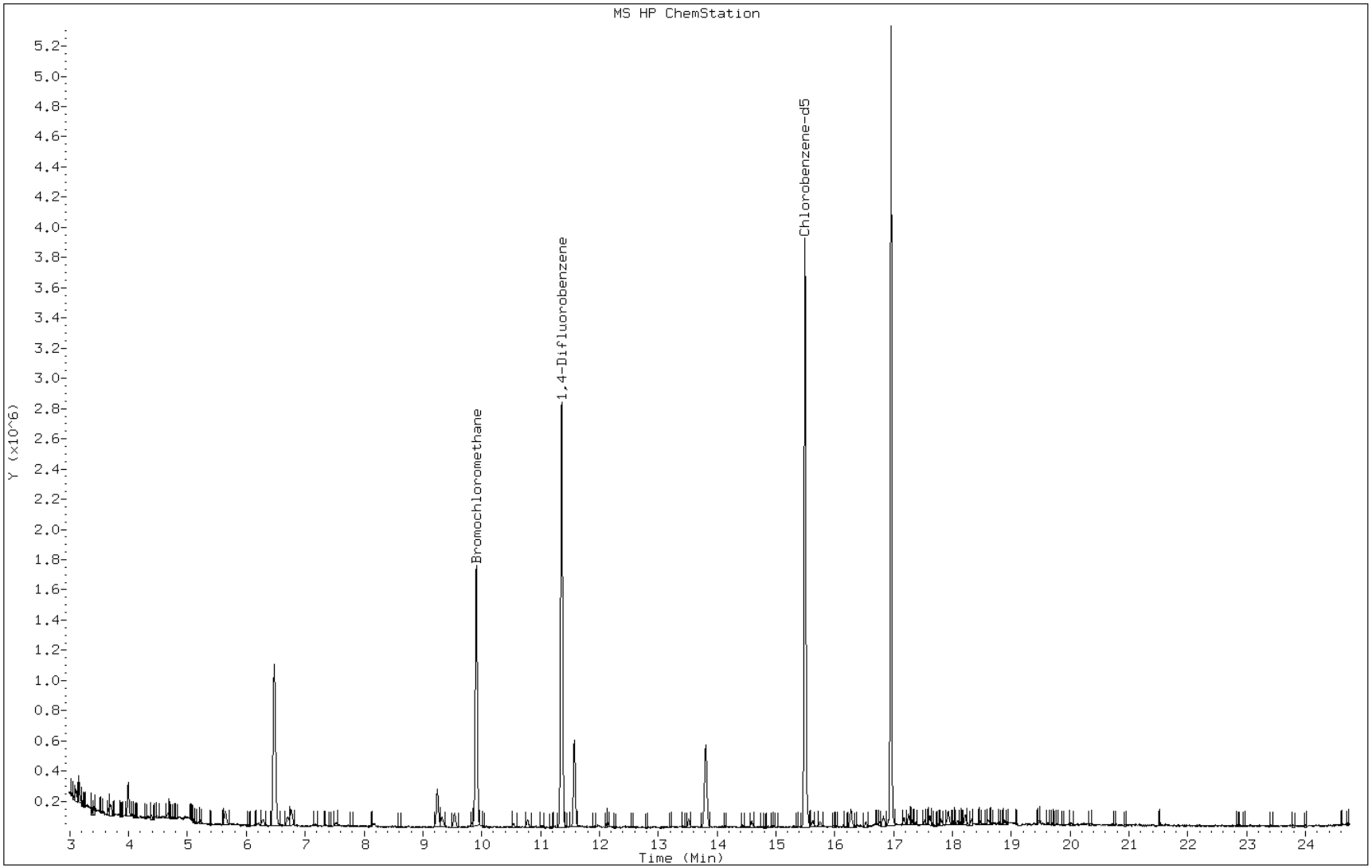
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	103653	0.15445	0.46
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.522	3.522	(0.355)	17995	0.13138	0.39(H)
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	5.089	5.084	(0.514)	39099	0.06713	0.20(M)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.191	6.213	(0.625)	7265	0.02420	0.073(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.341	7.347	(0.741)	8494	0.04761	0.14(aQ)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.123	8.133	(0.820)	3235	0.01677	0.050(a)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	522279	2.00000	
	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	10.444	10.450	(0.919)	3702	0.01132	0.034(Q)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	10.787	10.787	(0.950)	57190	0.13646	0.41
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	2564779	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.515	13.515	(0.872)	25290	0.09192	0.28
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.296	14.291	(0.923)	2803	0.01237	0.037
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2278538	2.00000	
	66 Chlorobenzene	112	15.526	15.532	(1.002)	58549	0.16934	0.51
	67 Ethylbenzene	91	15.607	15.601	(1.007)	12465	0.02261	0.068
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	11338	0.05472	0.16
M	70 Xylene, Total	106				42524	0.20244	0.61
	71 Xylene (o)	106	16.281	16.270	(1.051)	31186	0.14772	0.44
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	6454	0.01512	0.045(a)
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	23340	0.05263	0.16

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.
H - Operator selected an alternate compound hit.

Data File:	efzk007.d	Date:	22-NOV-2013 16:21
Client ID:	SV40771-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-2		
Lab Sample ID:	200-19497-2		



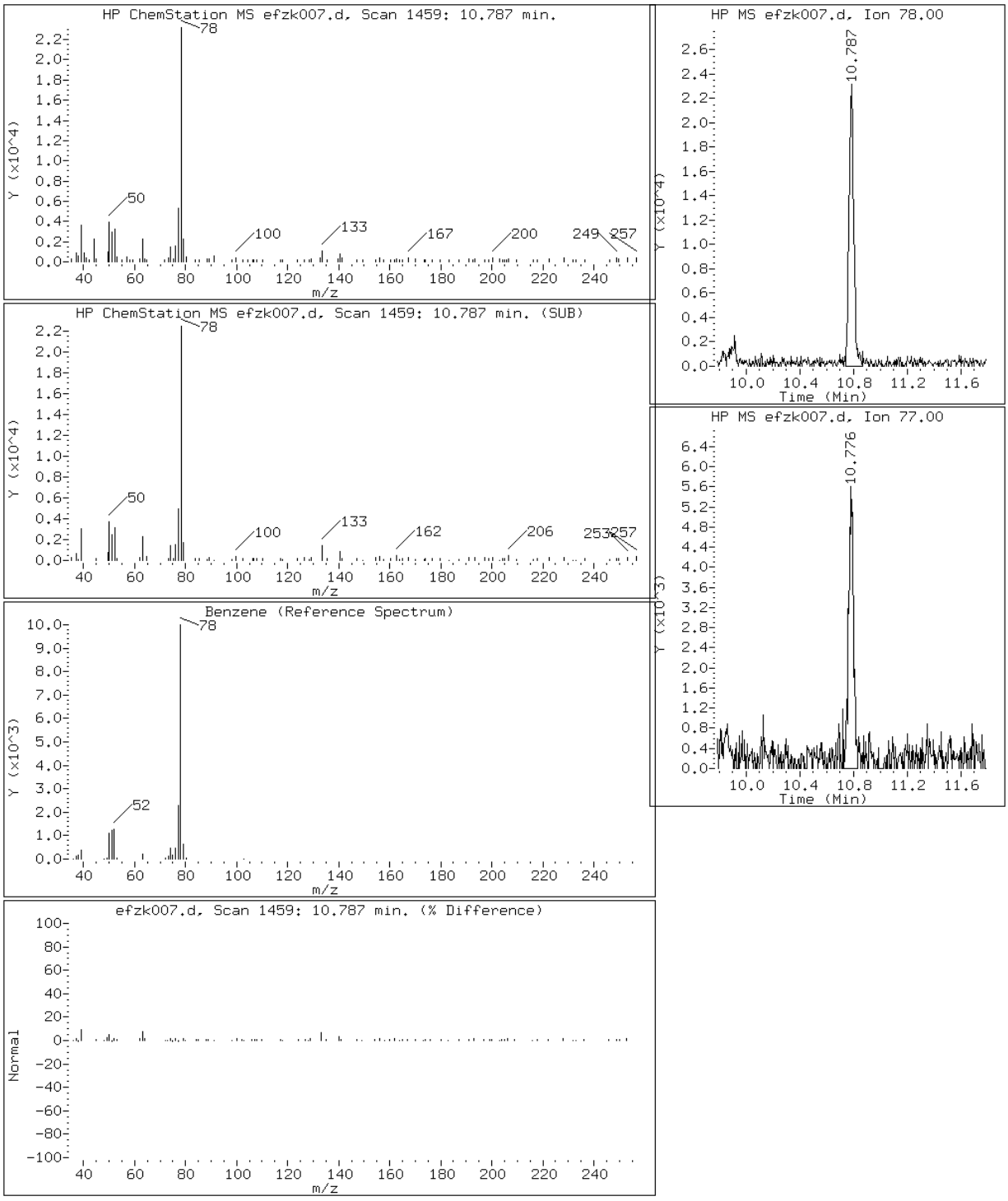
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

44 Benzene



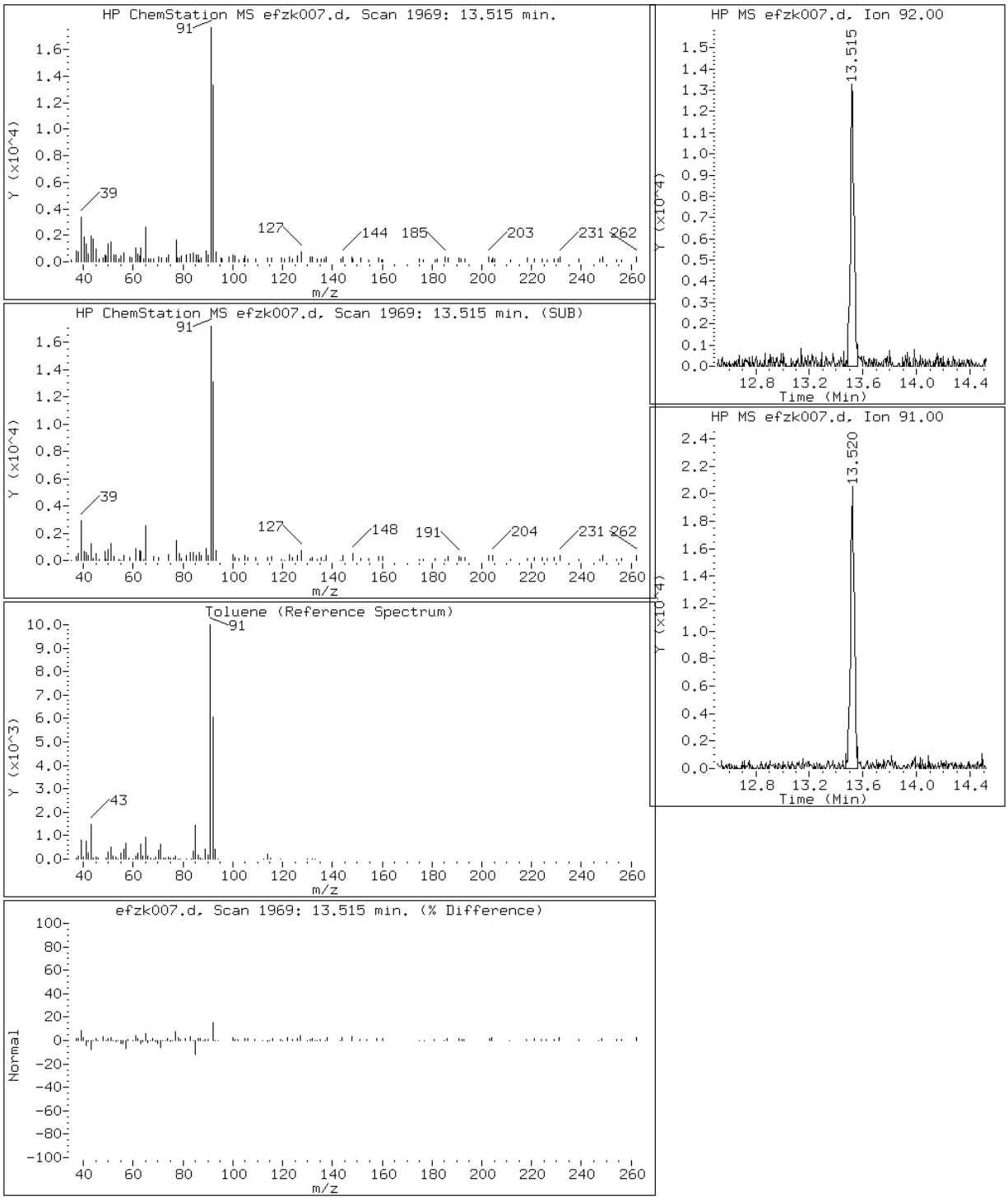
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

58 Toluene



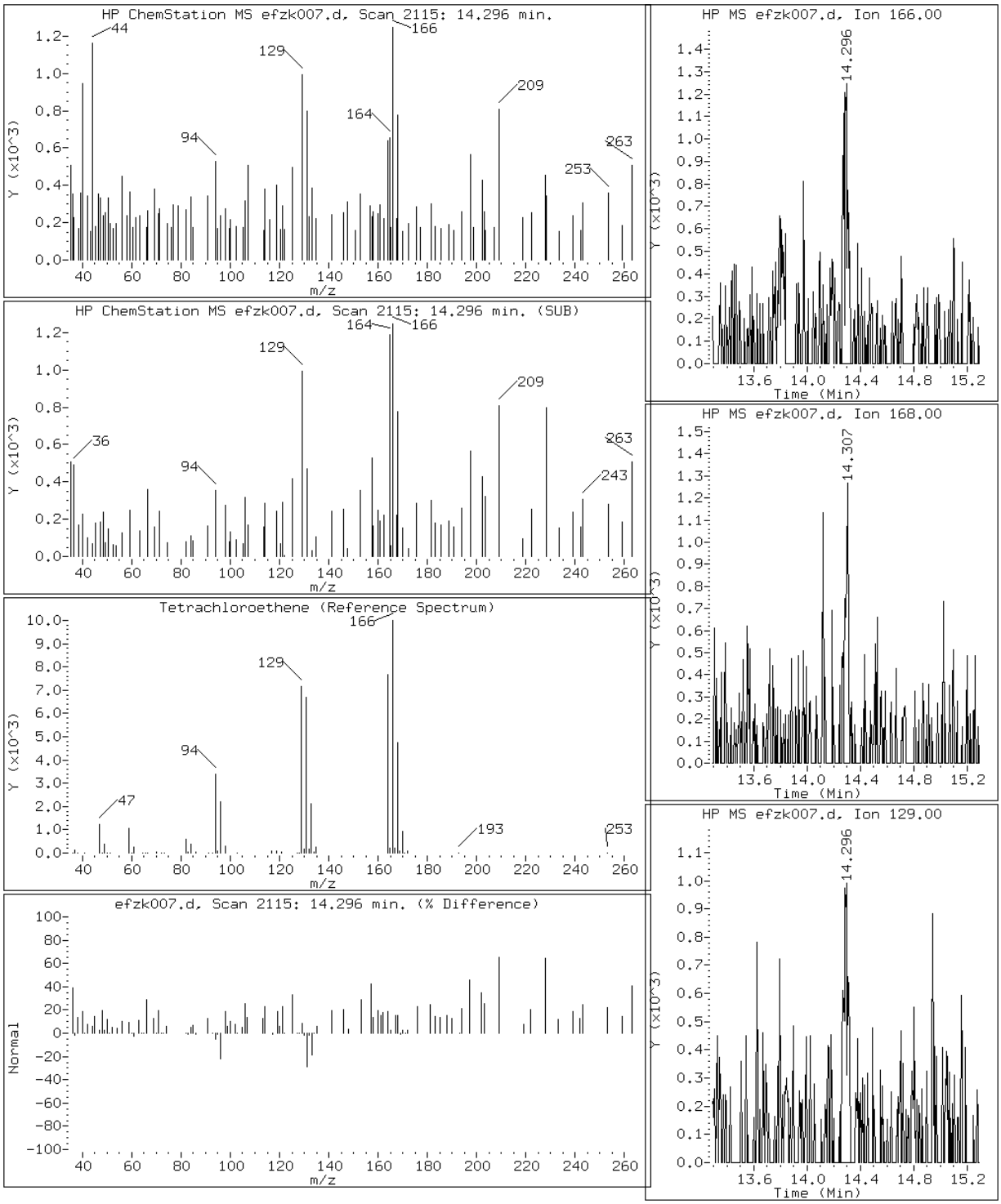
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

61 Tetrachloroethene



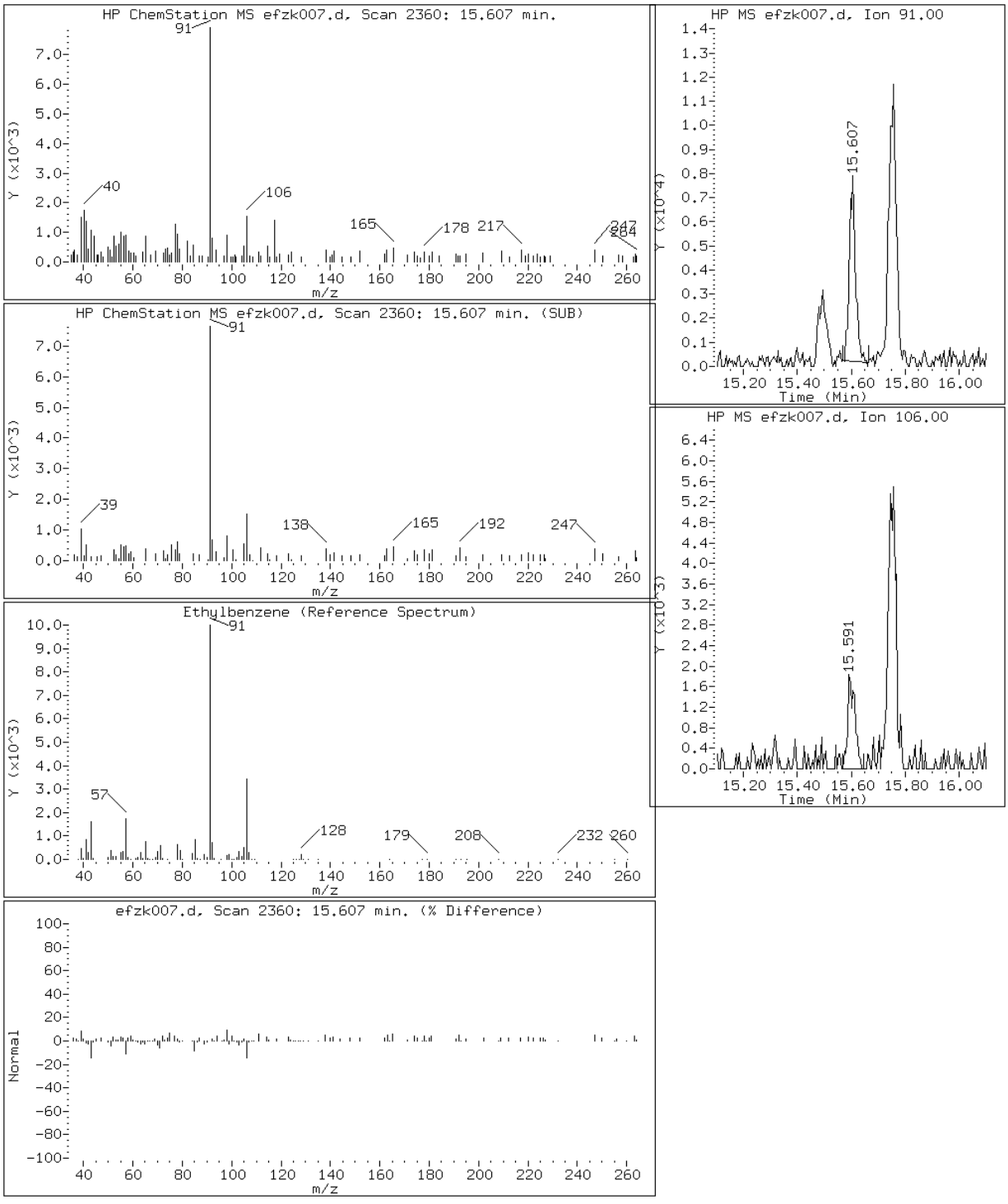
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

67 Ethylbenzene



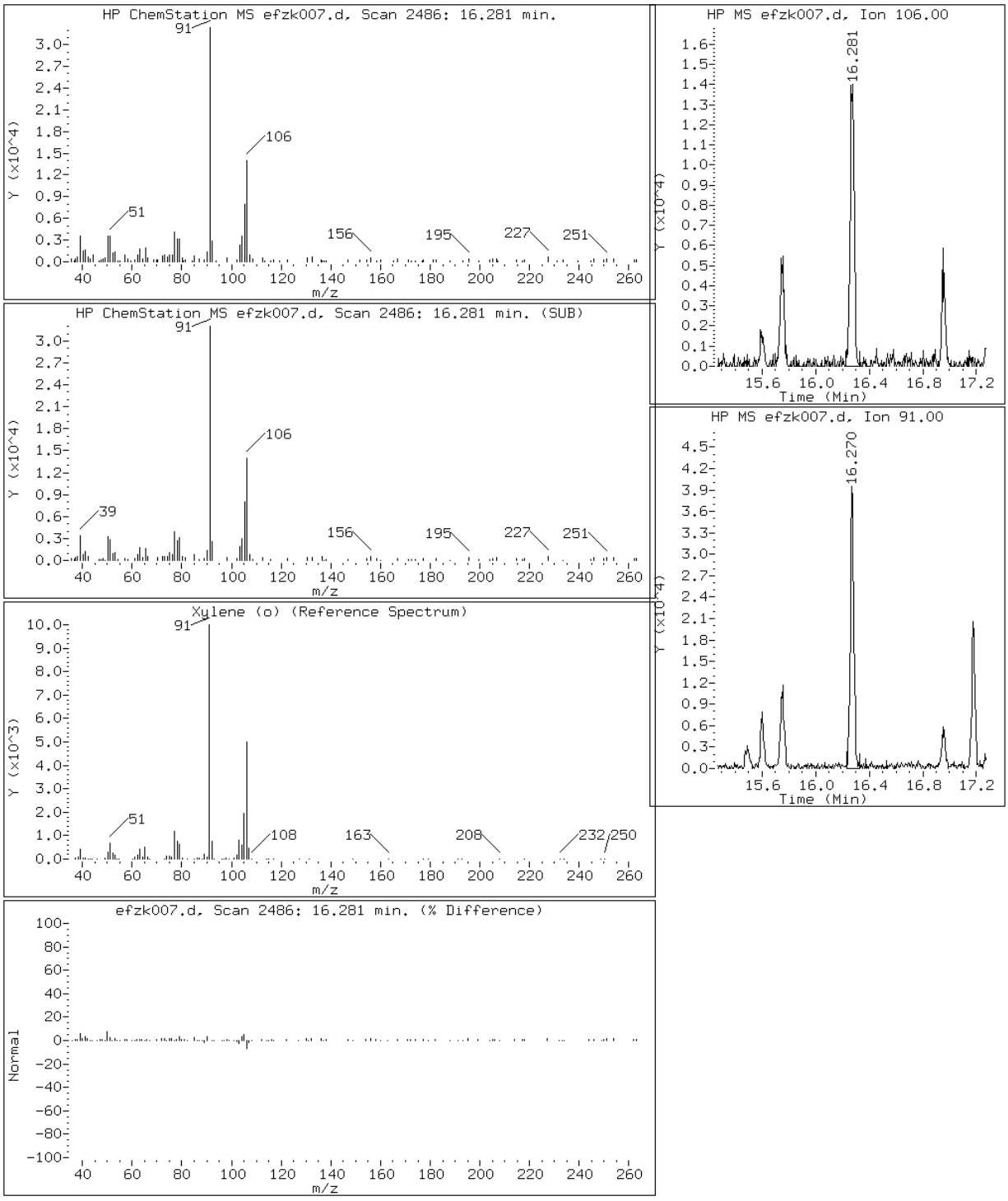
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

71 Xylene (o)



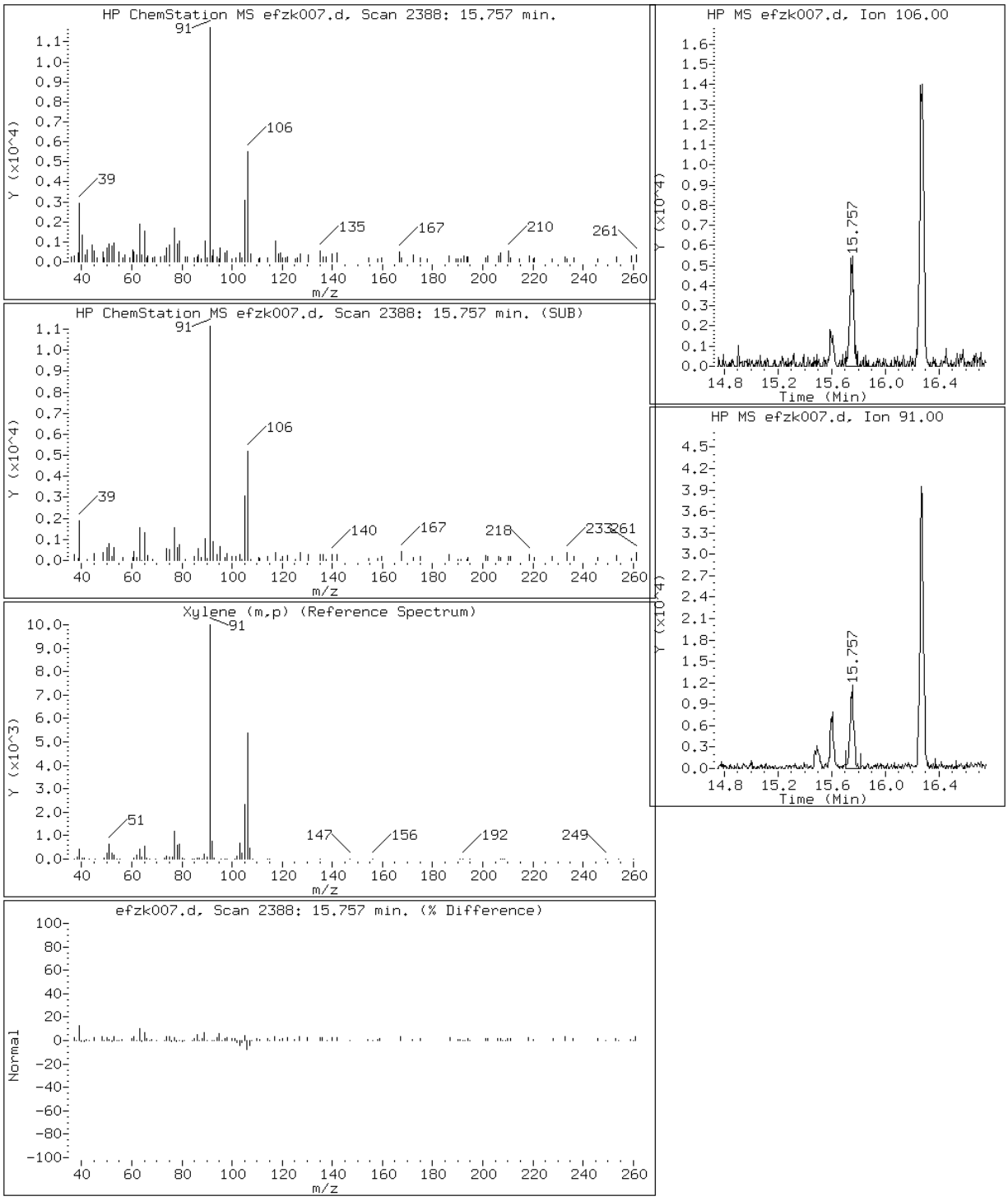
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

69 Xylene (m,p)



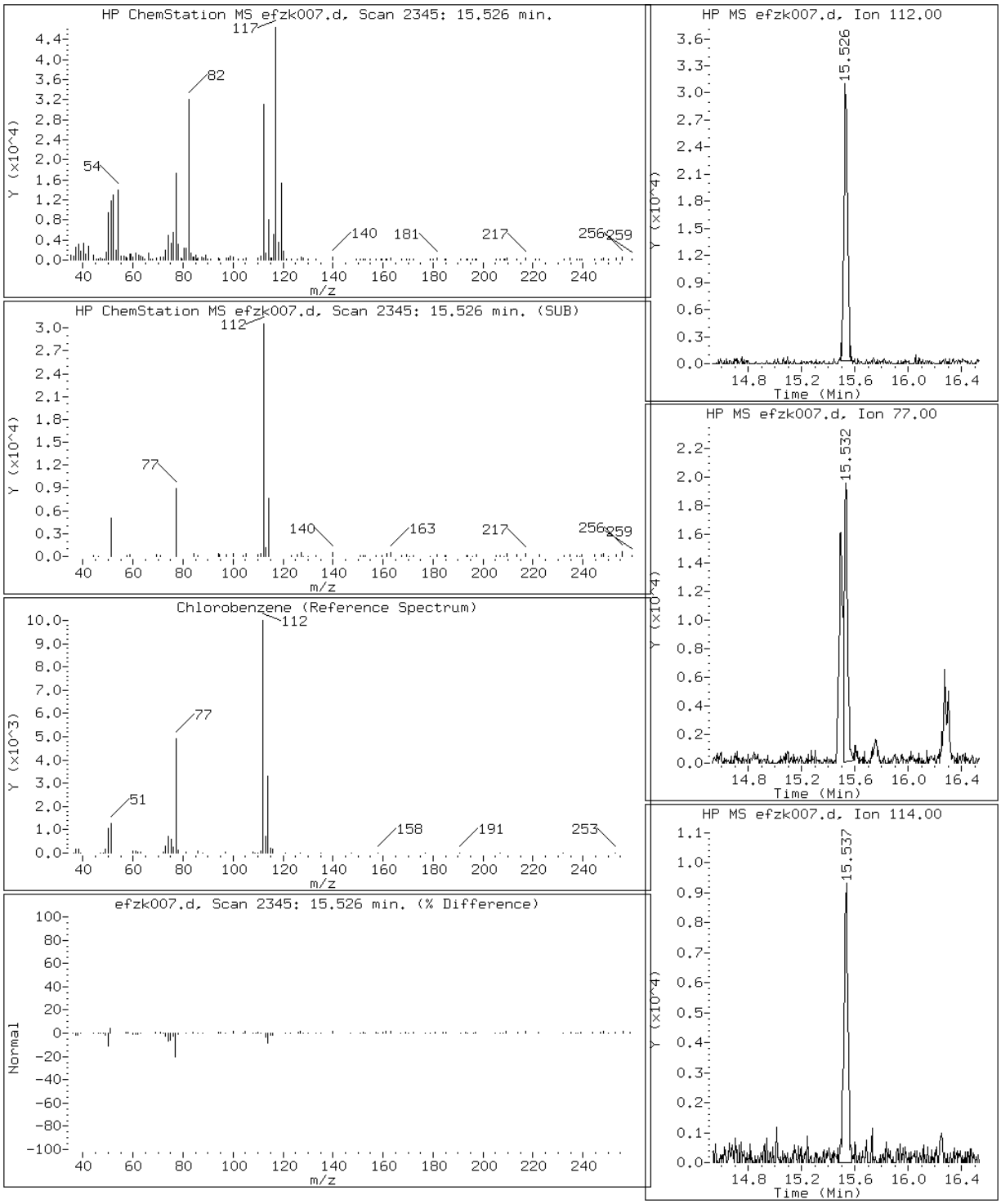
Data File: efzk007.d

Lab Sample ID: 200-19497-2 Date: 22-NOV-2013 16:21

Client ID: SV40771-111113 Instrument: E.i

Sample Info: 200-19497-A-2 Operator: wrd

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40812-111113 Lab Sample ID: 200-19497-3

Matrix: Air Lab File ID: efzk008.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:49

Sample wt/vol: 222(mL) Date Analyzed: 11/22/2013 17:15

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.34		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.084		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.030	U	0.030	0.030
95-47-6	o-Xylene	106.17	0.21		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.087		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.29		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.22		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40812-111113 Lab Sample ID: 200-19497-3

Matrix: Air Lab File ID: efzk008.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:49

Sample wt/vol: 222(mL) Date Analyzed: 11/22/2013 17:15

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	1.1		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	0.32		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.13	U	0.13	0.13
95-47-6	o-Xylene	106.17	0.90		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	0.38		0.26	0.26
1330-20-7	Xylenes, Total	106.17	1.3		0.13	0.13
108-90-7	Chlorobenzene	112.56	1.0		0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-3
Client Smp ID: SV40812-111113
Inj Date : 22-NOV-2013 17:15
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-3
Misc Info : 222,2.99,crll cdf 1.33
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 8
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	222.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

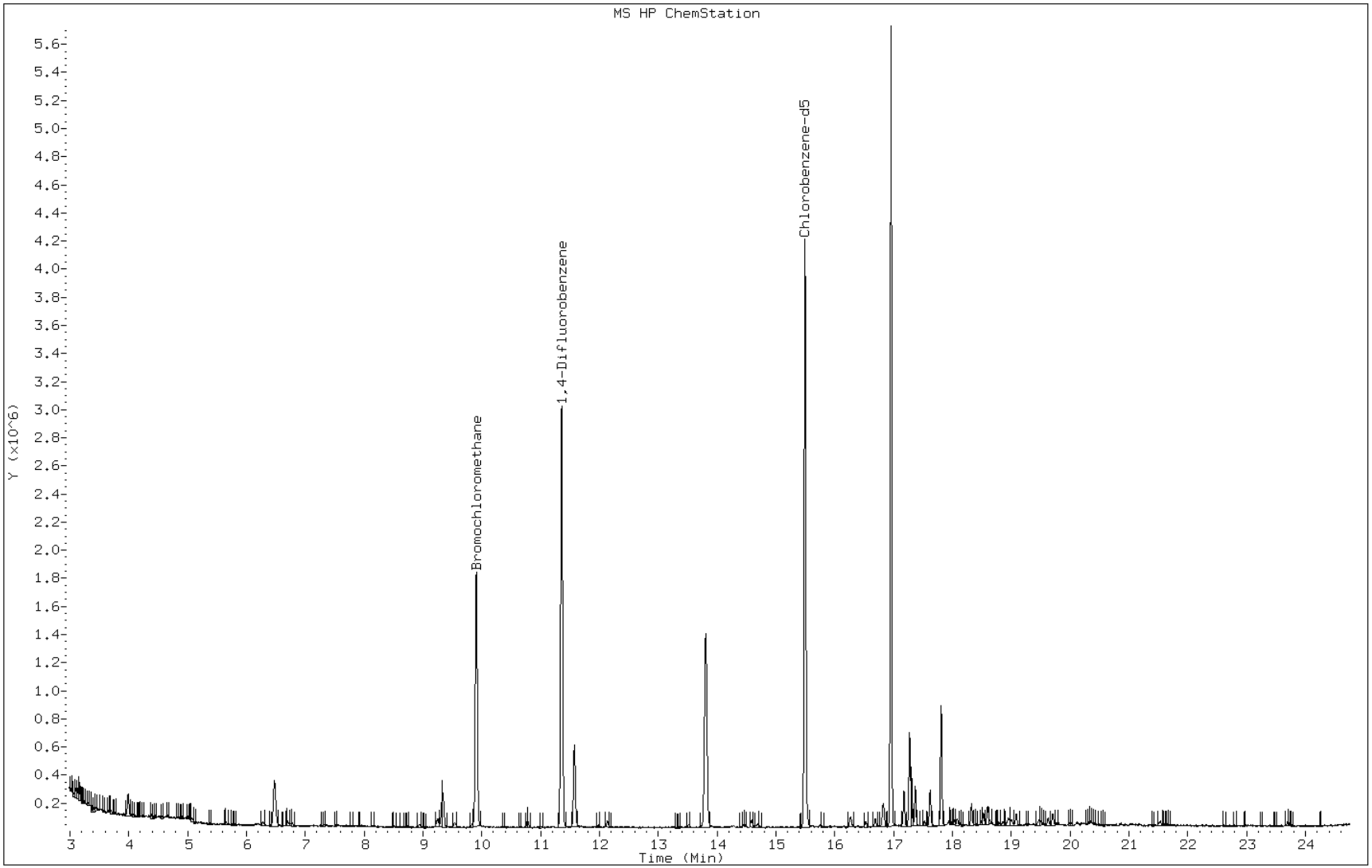
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.163	(0.319)	98552	0.14197	0.42
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.511	3.522	(0.354)	5797	0.04092	0.12(a)
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	5.068	5.084	(0.511)	36722	0.06096	0.18
17 1,1,2-Trichloro-1,2,2-Trifluo	101	Compound Not Detected.					
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.352	7.347	(0.742)	8129	0.04405	0.13(aQ)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	540220	2.00000	
	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	10.787	10.787	(0.950)	50207	0.11346	0.34
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	11.354	11.359	(1.000)	2708088	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.526	13.515	(0.873)	8331	0.02798	0.084(Q)
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	2217	0.00904	0.027(aQM)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2465515	2.00000	
	66 Chlorobenzene	112	15.537	15.532	(1.003)	27607	0.07379	0.22(Q)
	67 Ethylbenzene	91	15.596	15.601	(1.007)	4570	0.00766	0.023(a)
	69 Xylene (m,p)	106	15.767	15.751	(1.018)	6509	0.02903	0.087(Q)
M	70 Xylene, Total	106				22397	0.09858	0.29
	71 Xylene (o)	106	16.270	16.270	(1.050)	15888	0.06955	0.21
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.297	17.303	(1.116)	210752	0.37604	1.1(M)
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	159974	0.34627	1.0
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	506183	1.05489	3.2

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:	efzk008.d	Date:	22-NOV-2013 17:15
Client ID:	SV40812-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-3		
Lab Sample ID:	200-19497-3		



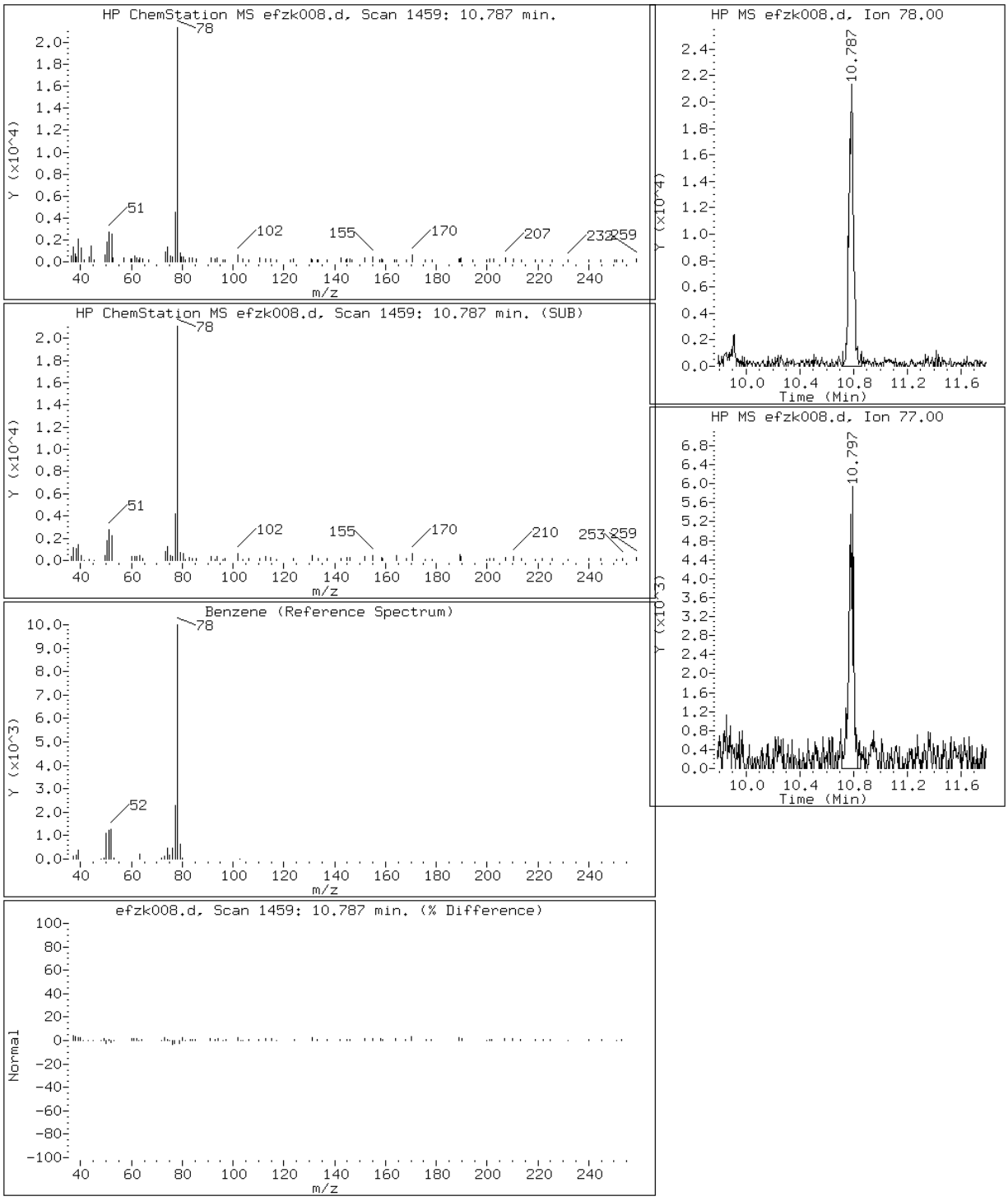
Data File: efzk008.d

Lab Sample ID: 200-19497-3 Date: 22-NOV-2013 17:15

Client ID: SV40812-111113 Instrument: E.i

Sample Info: 200-19497-A-3 Operator: wrd

44 Benzene



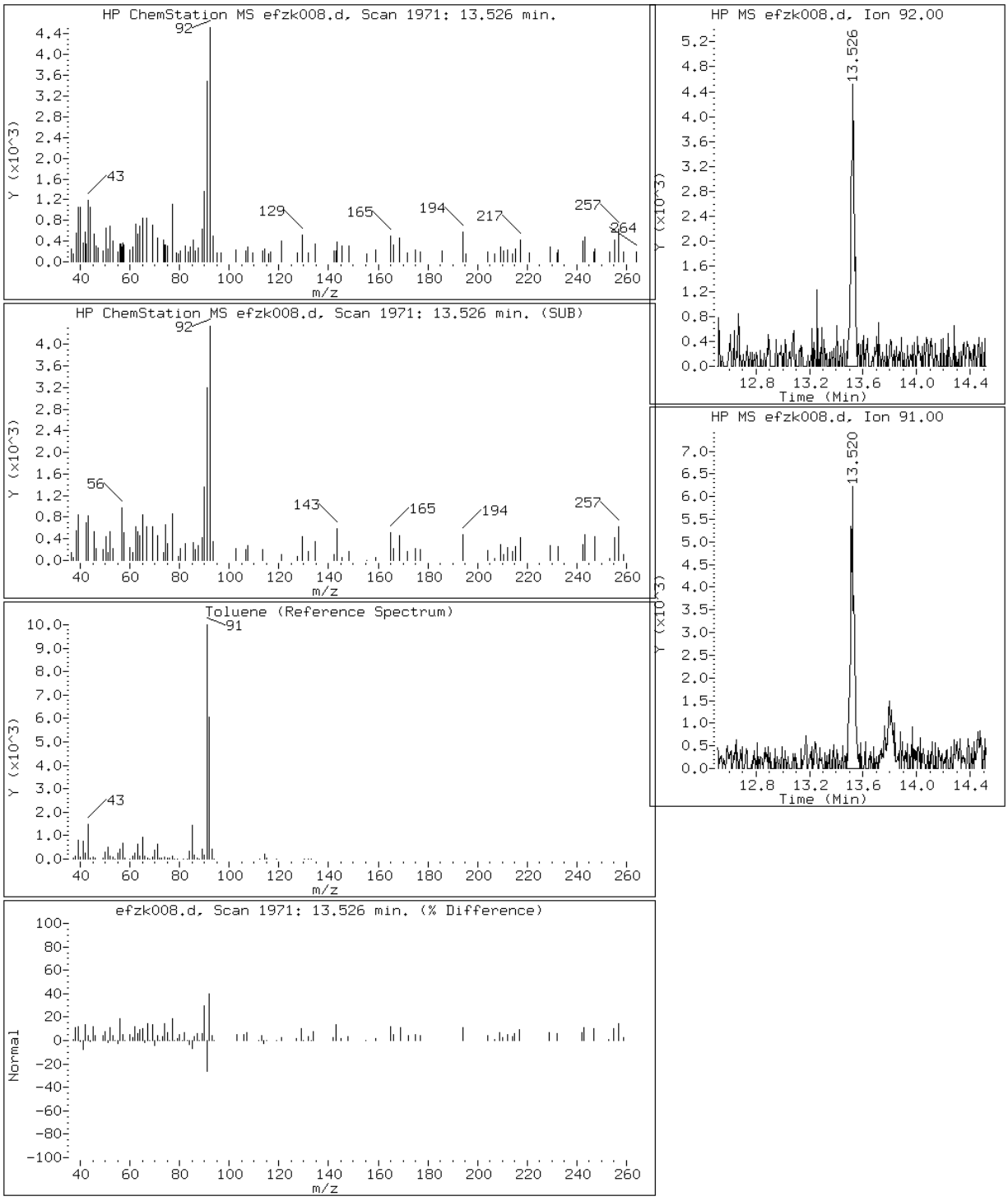
Data File: efzk008.d

Lab Sample ID: 200-19497-3 Date: 22-NOV-2013 17:15

Client ID: SV40812-111113 Instrument: E.i

Sample Info: 200-19497-A-3 Operator: wrd

58 Toluene



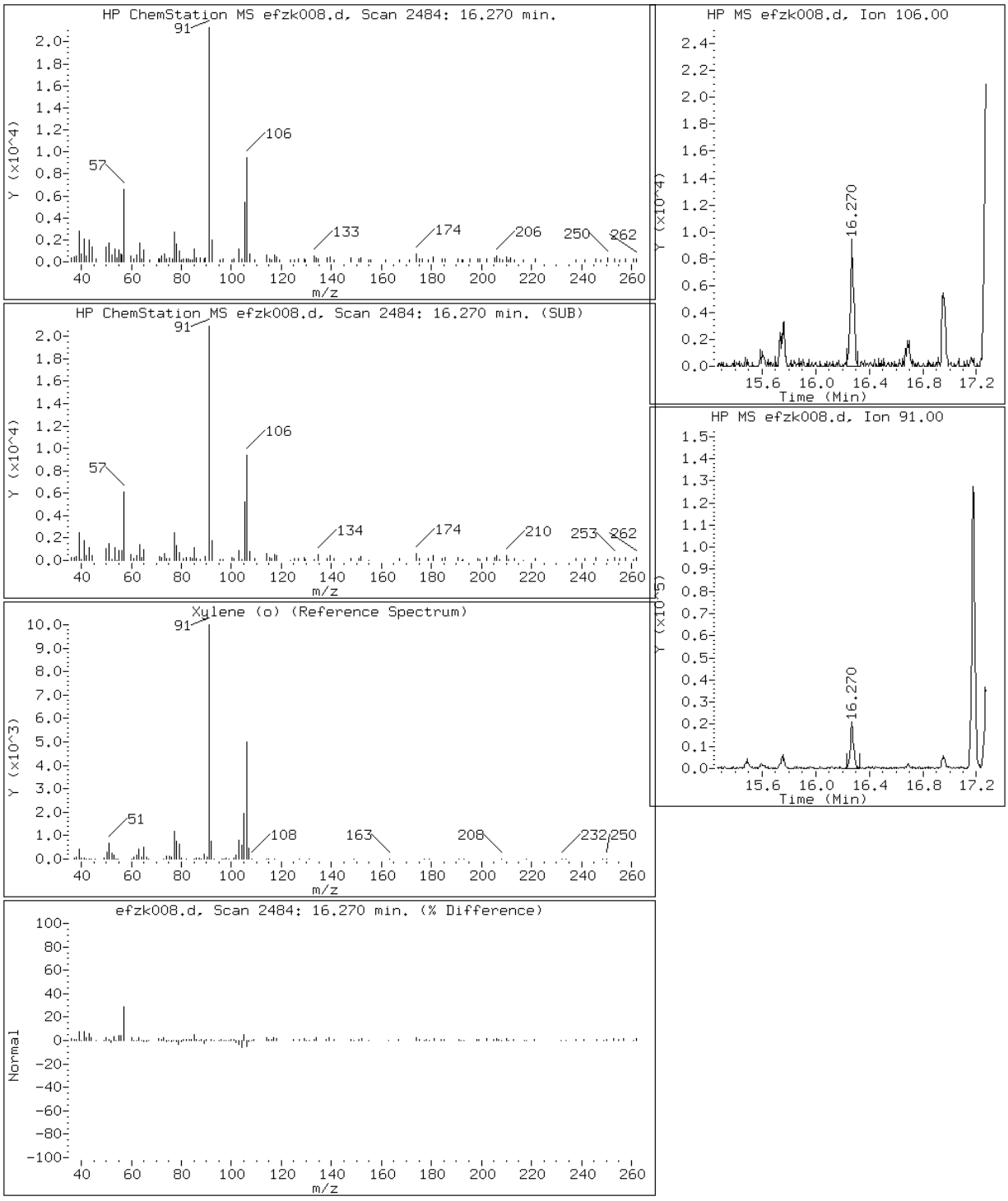
Data File: efzk008.d

Lab Sample ID: 200-19497-3 Date: 22-NOV-2013 17:15

Client ID: SV40812-111113 Instrument: E.i

Sample Info: 200-19497-A-3 Operator: wrd

71 Xylene (o)



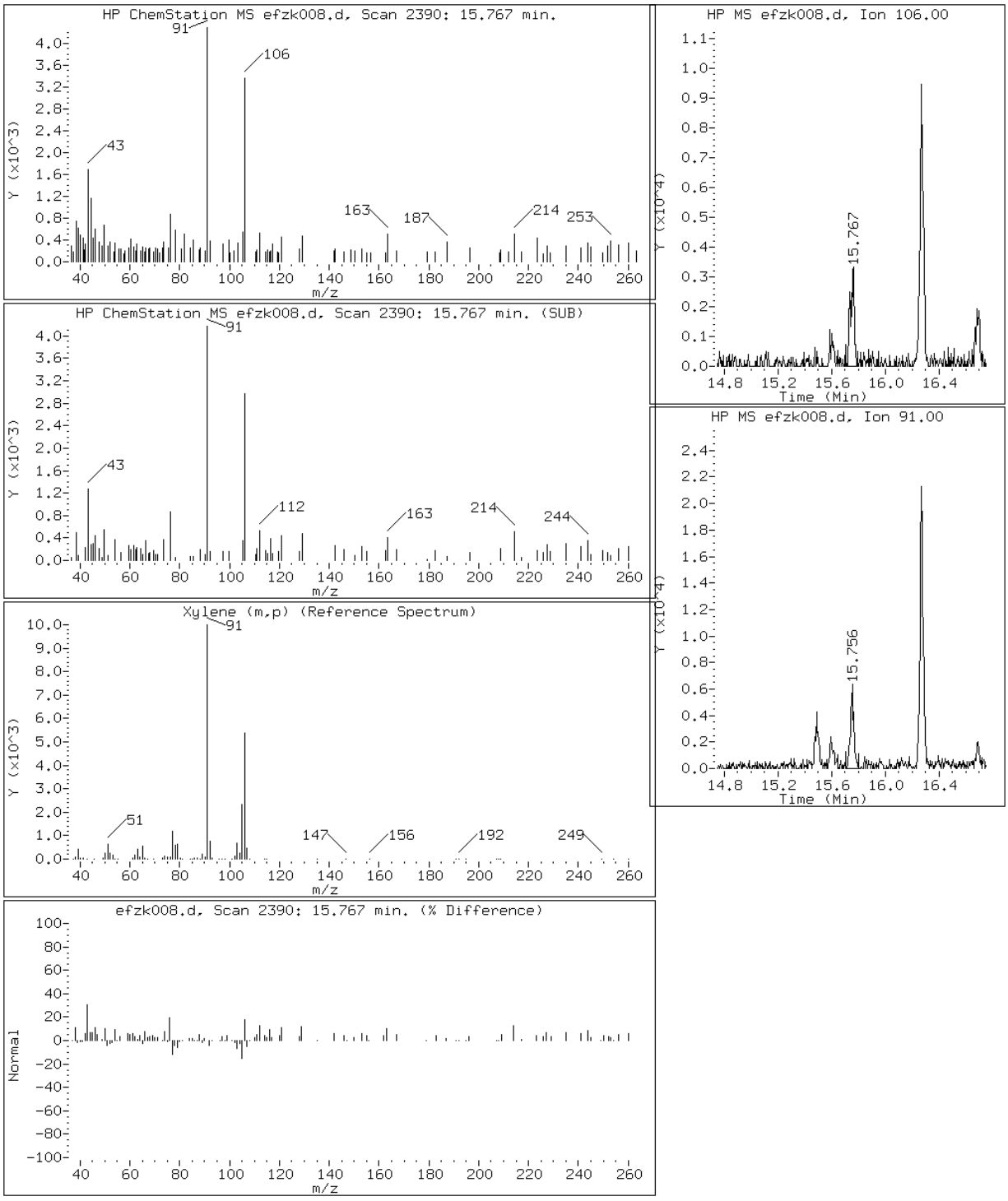
Data File: efzk008.d

Lab Sample ID: 200-19497-3 Date: 22-NOV-2013 17:15

Client ID: SV40812-111113 Instrument: E.i

Sample Info: 200-19497-A-3 Operator: wrd

69 Xylene (m,p)



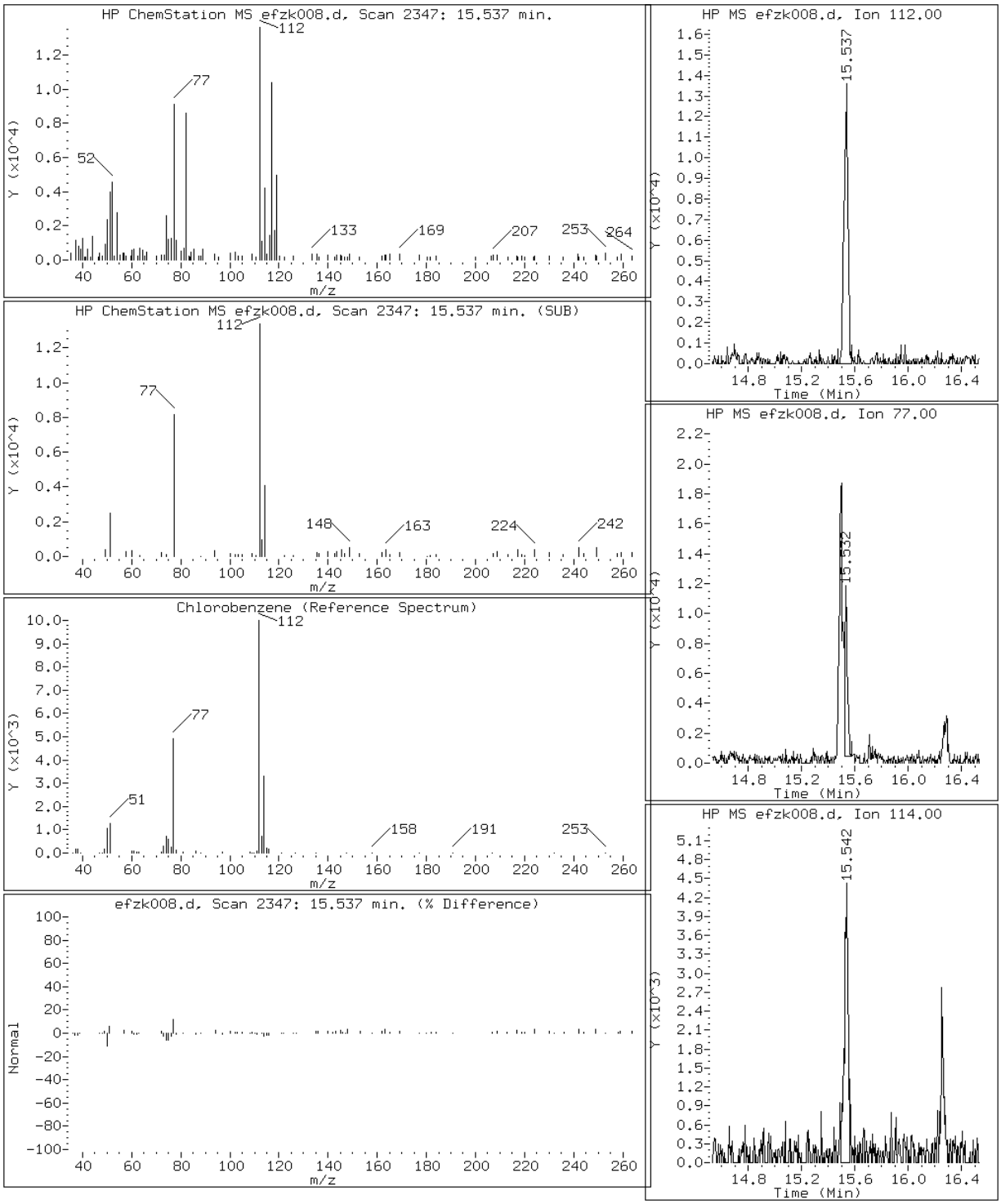
Data File: efzk008.d

Lab Sample ID: 200-19497-3 Date: 22-NOV-2013 17:15

Client ID: SV40812-111113 Instrument: E.i

Sample Info: 200-19497-A-3 Operator: wrd

66 Chlorobenzene



Manual Integration Report

Data File: efzk008.d
Lab Sample ID: 200-19497-3
Inj. Date and Time: 22-NOV-2013 17:15
Instrument ID: E.i
Client ID: SV40812-111113
Compound: 61 Tetrachloroethene
CAS #: 127-18-4
Report Date: 11/25/2013

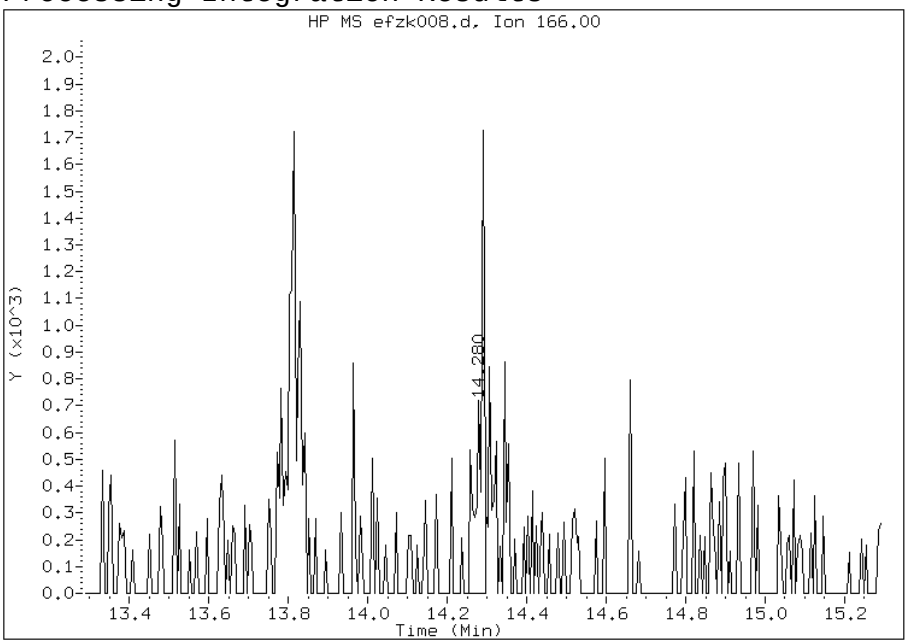
Processing Integration Results

RT: 14.28

Response: 1472

Amount: 0.006003

Conc: 0.017950



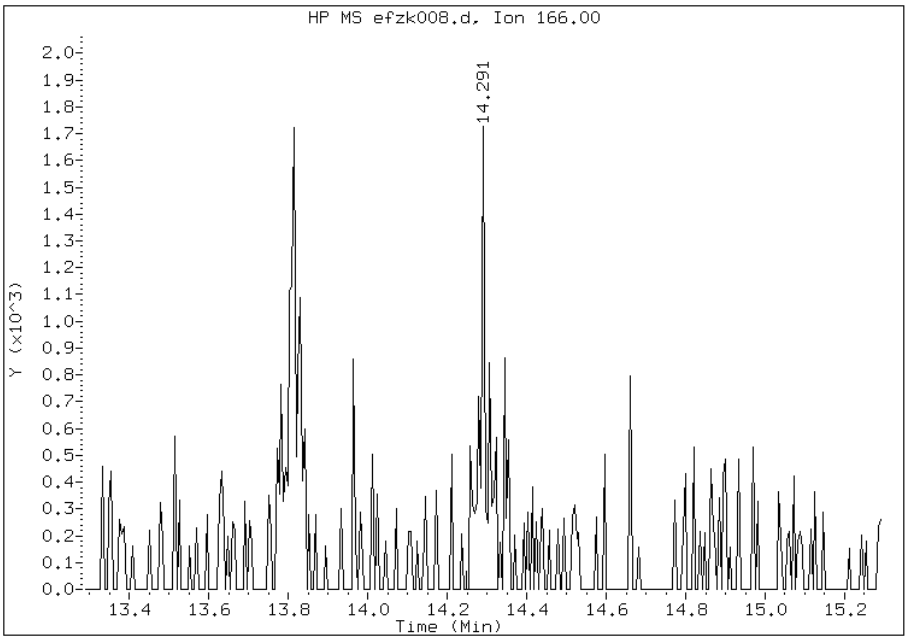
Manual Integration Results

RT: 14.29

Response: 2217

Amount: 0.009042

Conc: 0.027034



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40772-111113 Lab Sample ID: 200-19497-4

Matrix: Air Lab File ID: efzk009.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:43

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 18:10

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.39		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.45		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.039		0.030	0.030
100-41-4	Ethylbenzene	106.17	0.11		0.030	0.030
95-47-6	o-Xylene	106.17	0.20		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.86		0.060	0.060
1330-20-7	Xylenes, Total	106.17	1.1		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.26		0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: SV40772-111113 Lab Sample ID: 200-19497-4

Matrix: Air Lab File ID: efzk009.d

Analysis Method: TO15 LL Date Collected: 11/11/2013 15:43

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 18:10

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	1.2		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	1.7		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.26		0.20	0.20
100-41-4	Ethylbenzene	106.17	0.48		0.13	0.13
95-47-6	o-Xylene	106.17	0.86		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	3.7		0.26	0.26
1330-20-7	Xylenes, Total	106.17	4.6		0.13	0.13
108-90-7	Chlorobenzene	112.56	1.2		0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-4
Client Smp ID: SV40772-111113
Inj Date : 22-NOV-2013 18:10
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-4
Misc Info : 167,2.99,crll
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 9
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

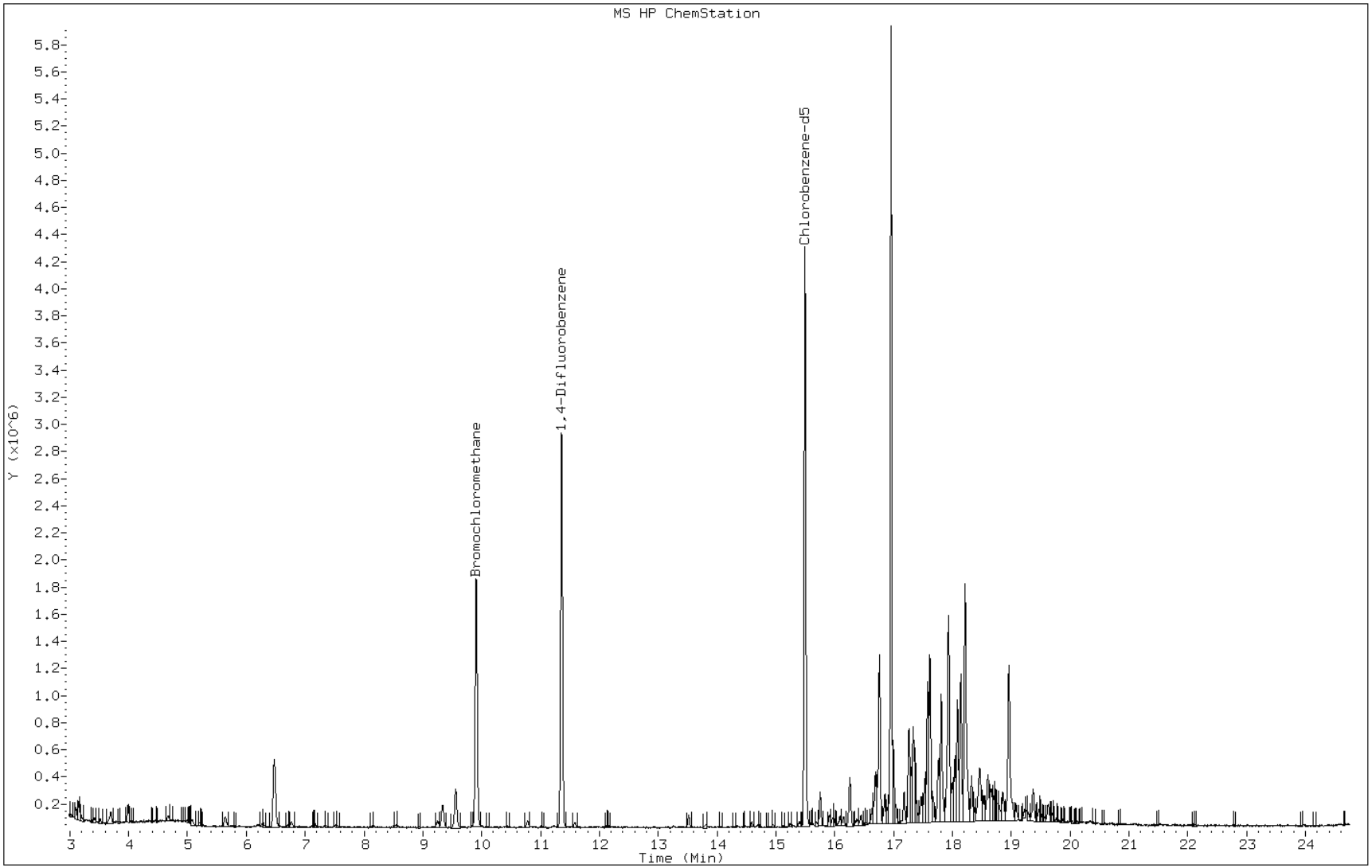
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	132662	0.19526	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.516	3.522	(0.355)	30511	0.22004	0.66
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	5.084	5.084	(0.513)	54192	0.09191	0.27
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.213	(0.627)	8598	0.02829	0.084(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.347	7.347	(0.742)	11656	0.06453	0.19(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.133	8.133	(0.821)	4387	0.02247	0.067(M)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.904	9.915	(1.000)	528734	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	3422	0.00977	0.029(aQ)
	40 Cyclohexane	84	10.241	10.241	(0.902)	2103	0.00986	0.029(aQ)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.439	10.450	(0.919)	8693	0.02554	0.076
	43 2,2,4-Trimethylpentane	57	10.739	10.733	(0.945)	11121	0.01748	0.052
	44 Benzene	78	10.781	10.787	(0.949)	56917	0.13053	0.39
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.022	11.011	(0.970)	6725	0.02774	0.083
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	2668451	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.526	13.515	(0.873)	45817	0.15200	0.45
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.275	14.291	(0.921)	3210	0.01293	0.039(Q)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2496256	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	32464	0.08571	0.26
	67 Ethylbenzene	91	15.596	15.601	(1.007)	22455	0.03718	0.11
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	65152	0.28701	0.86
M	70 Xylene, Total	106				80480	0.35329	1.0
	71 Xylene (o)	106	16.281	16.270	(1.051)	15328	0.06627	0.20
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.271	17.303	(1.115)	171623	0.30245	0.90
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	180018	0.38486	1.2
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.149)	510088	1.04994	3.1

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:	efzk009.d	Date:	22-NOV-2013 18:10
Client ID:	SV40772-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-4		
Lab Sample ID:	200-19497-4		



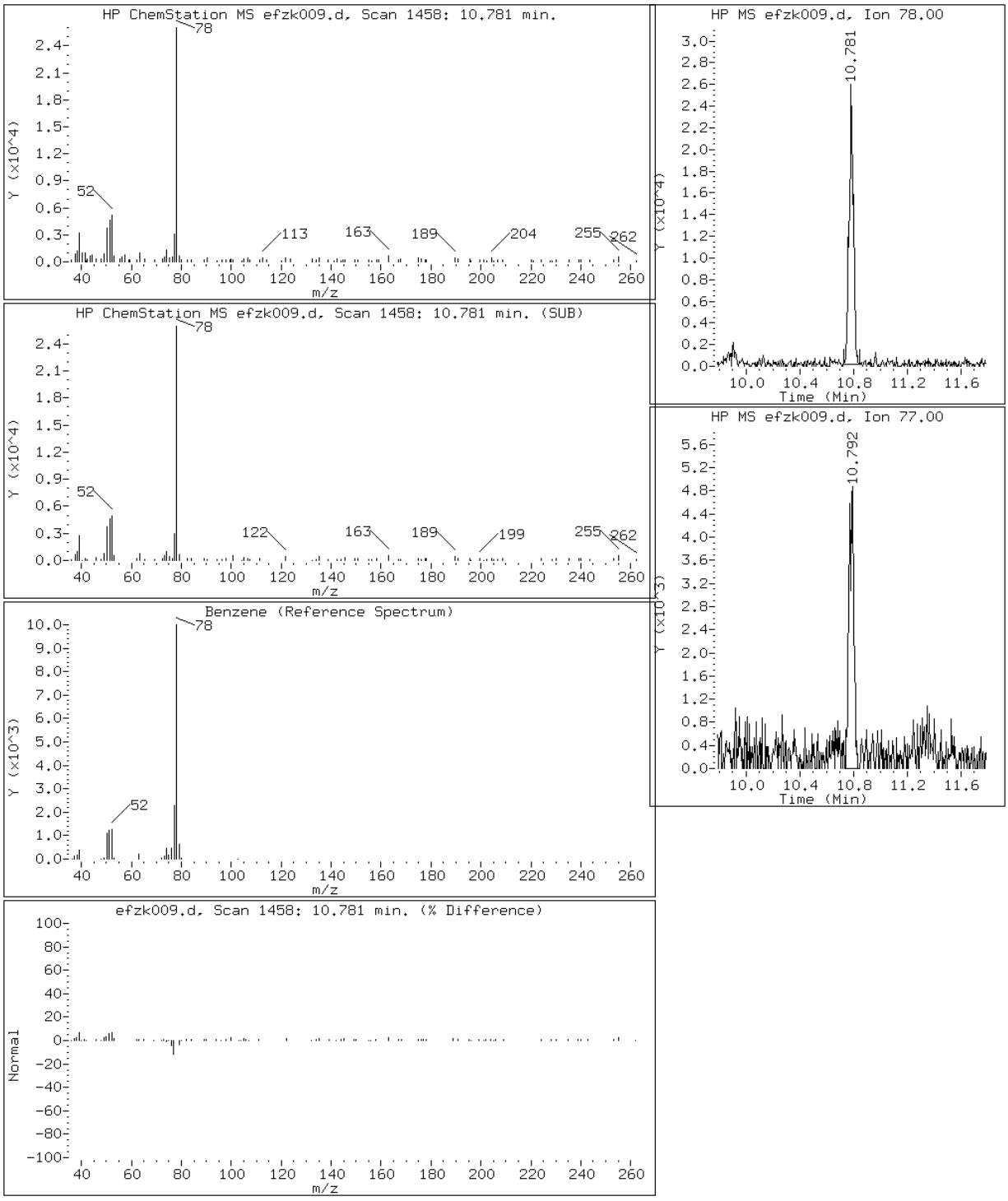
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

44 Benzene



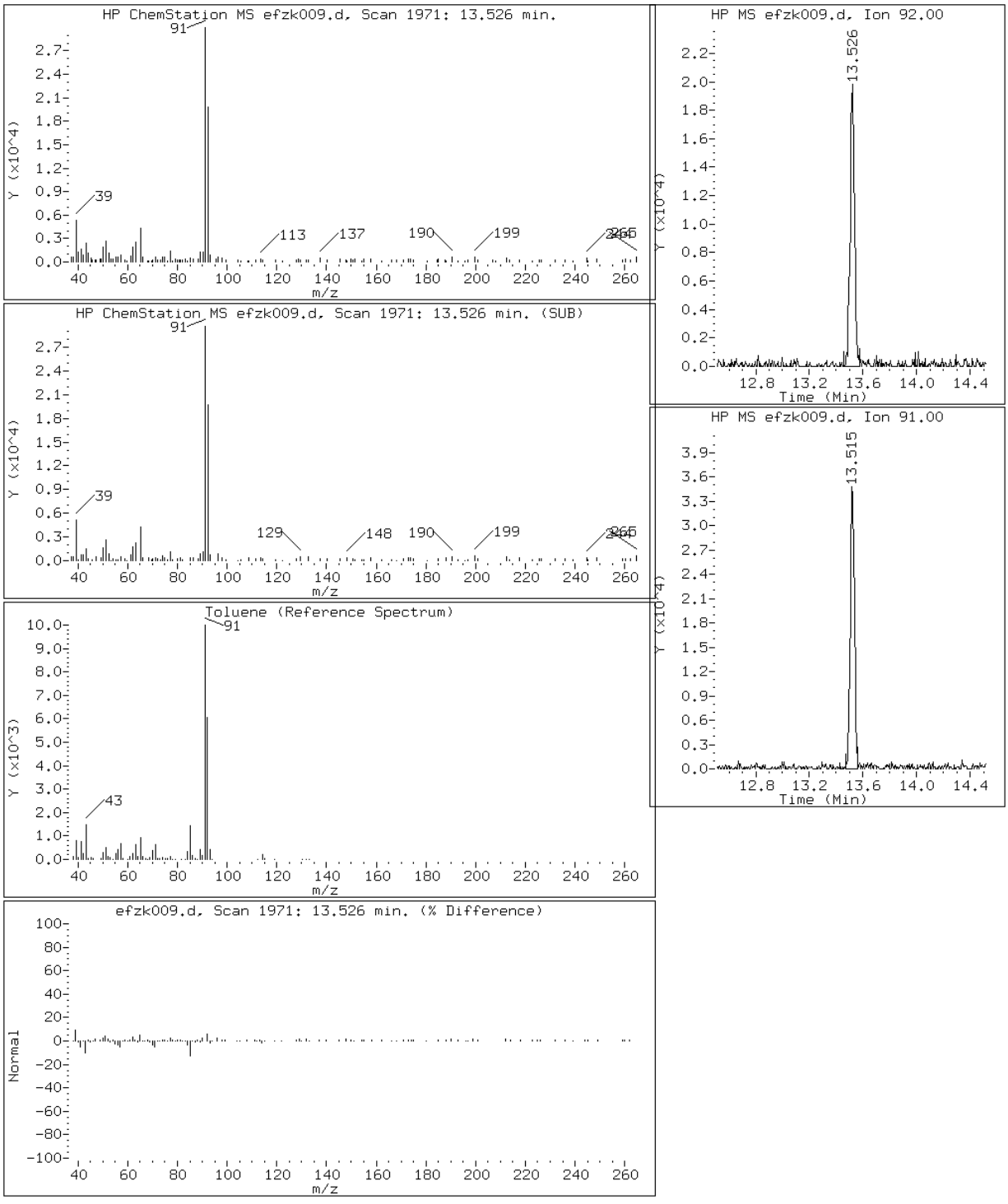
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

58 Toluene



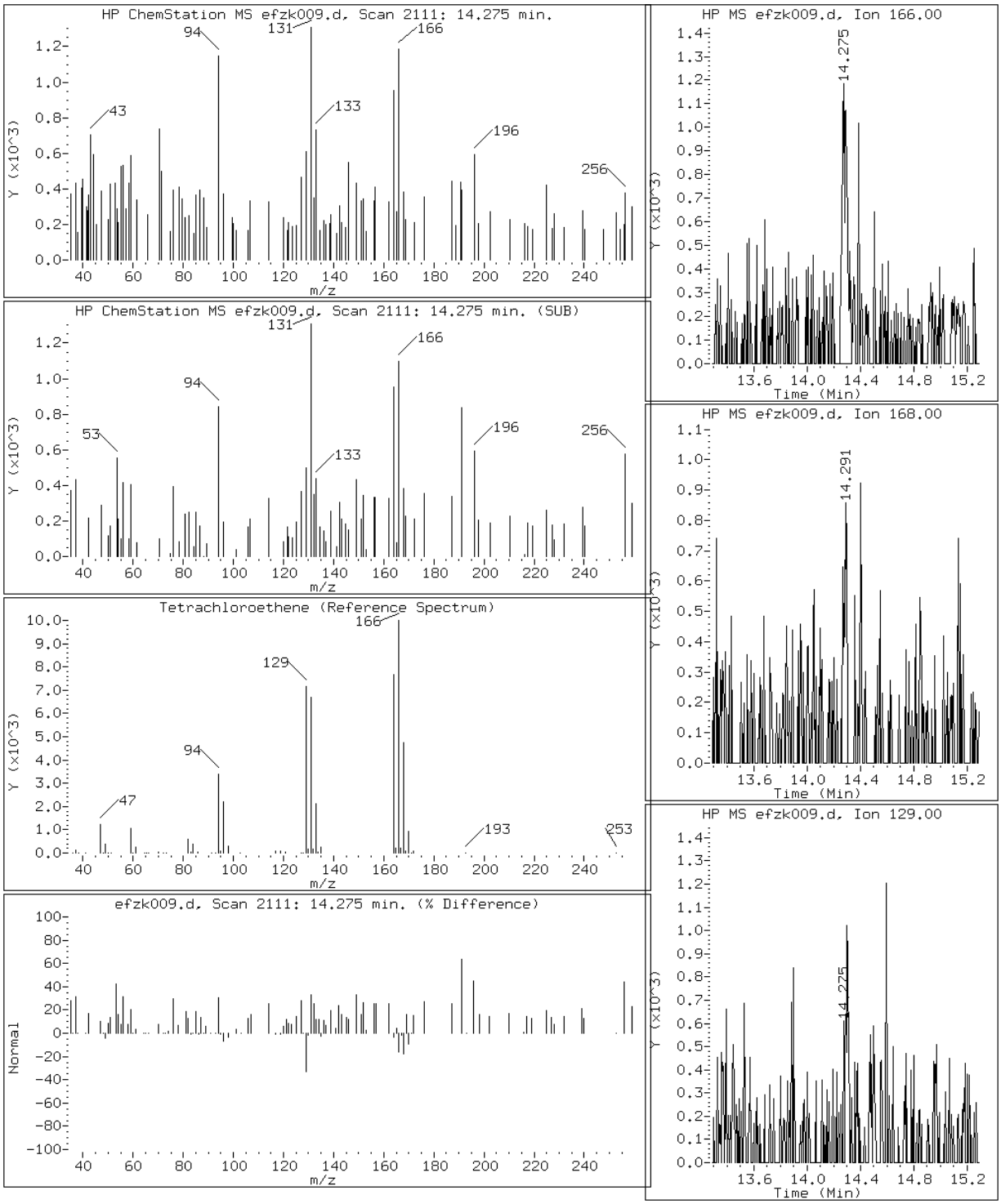
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

61 Tetrachloroethene



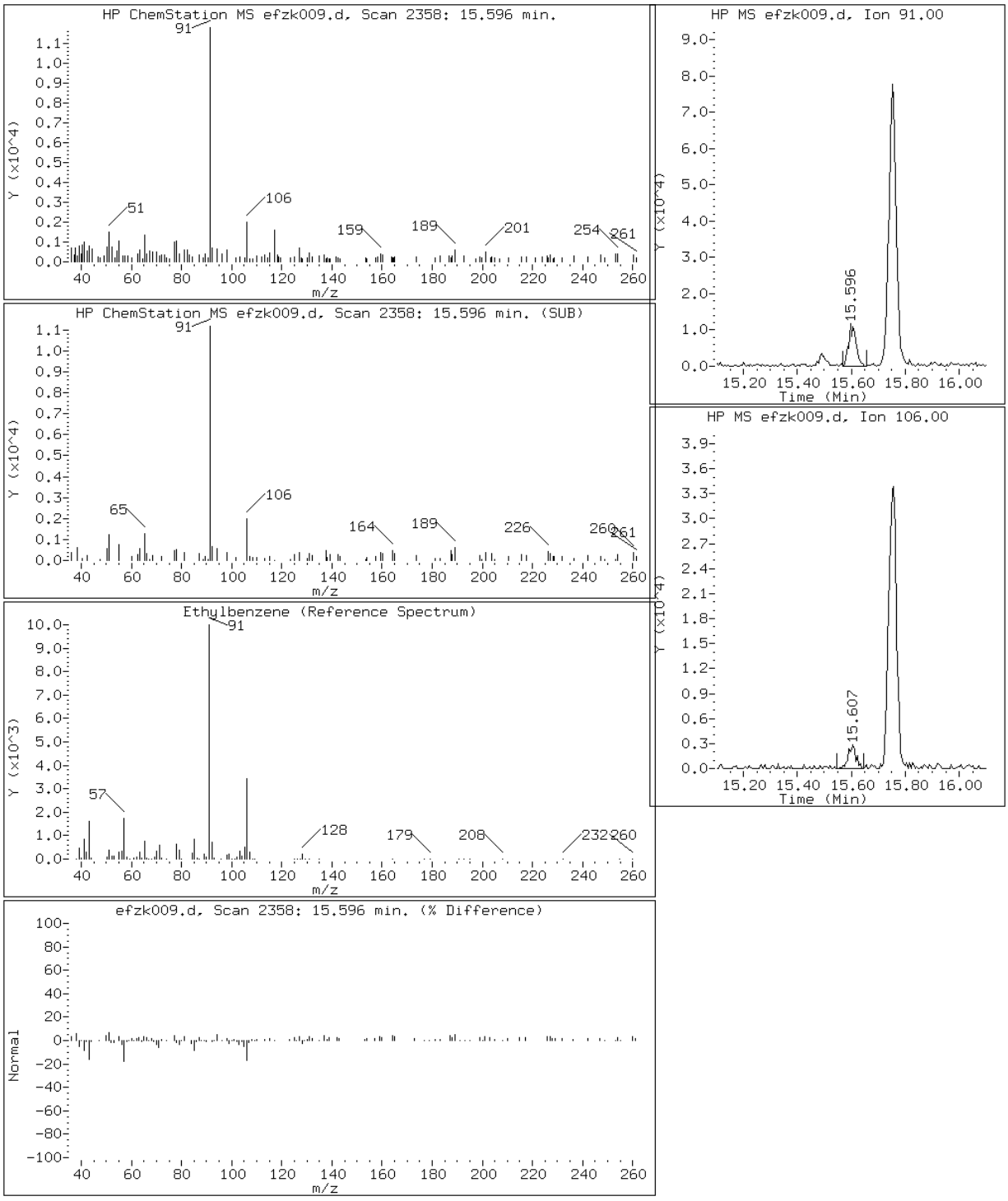
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

67 Ethylbenzene



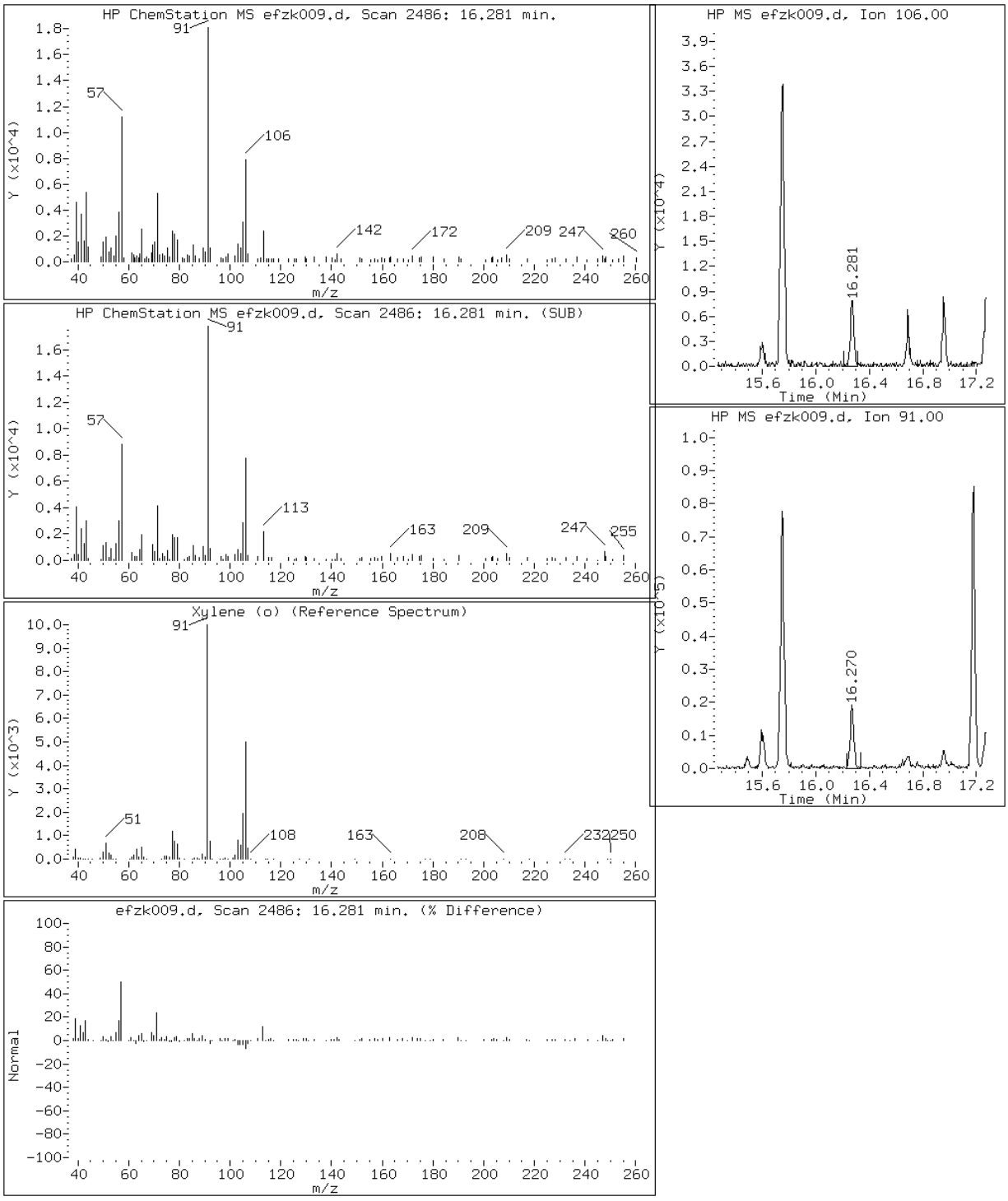
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

71 Xylene (o)



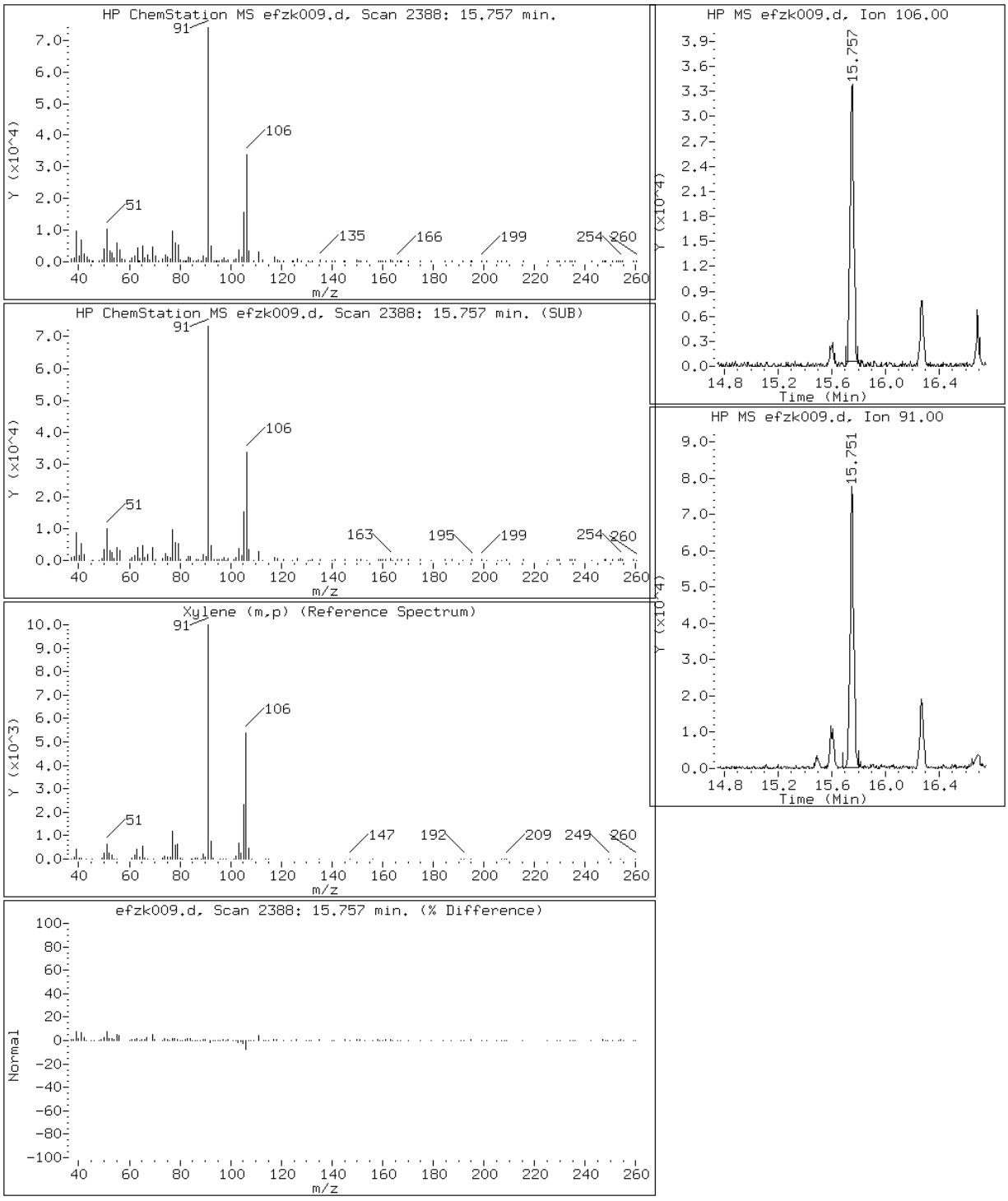
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

69 Xylene (m,p)



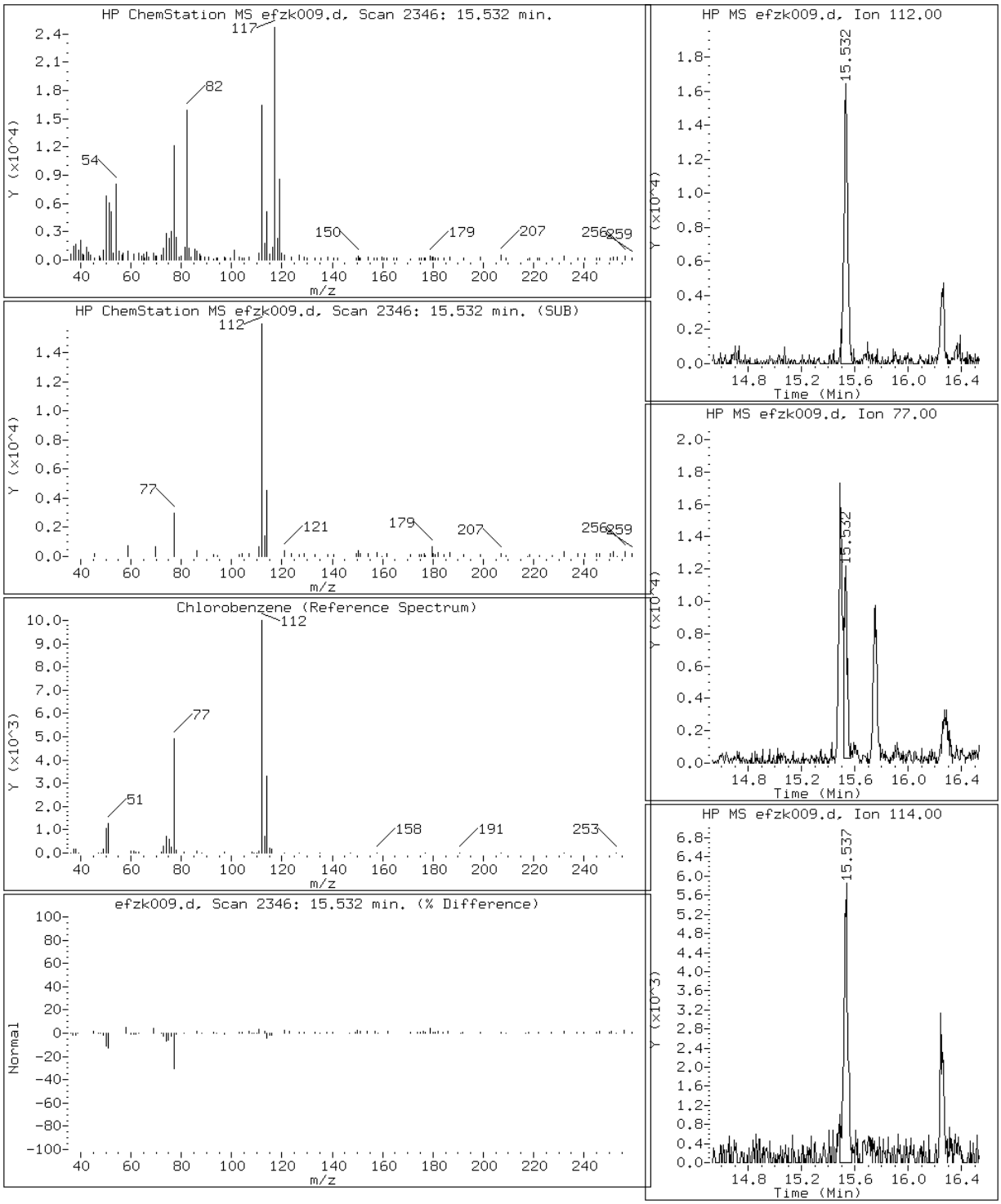
Data File: efzk009.d

Lab Sample ID: 200-19497-4 Date: 22-NOV-2013 18:10

Client ID: SV40772-111113 Instrument: E.i

Sample Info: 200-19497-A-4 Operator: wrd

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: CS40811-111113 Lab Sample ID: 200-19497-5

Matrix: Air Lab File ID: efzk010.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:00

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 19:05

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.81		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.57		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.10		0.030	0.030
95-47-6	o-Xylene	106.17	0.12		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.31		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.43		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: CS40811-111113 Lab Sample ID: 200-19497-5

Matrix: Air Lab File ID: efzk010.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:00

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 19:05

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	2.6		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	2.1		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.45		0.13	0.13
95-47-6	o-Xylene	106.17	0.51		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.3		0.26	0.26
1330-20-7	Xylenes, Total	106.17	1.9		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-5
Client Smp ID: CS40811-111113
Inj Date : 22-NOV-2013 19:05
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-5
Misc Info : 167,2.99,crll
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 10
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

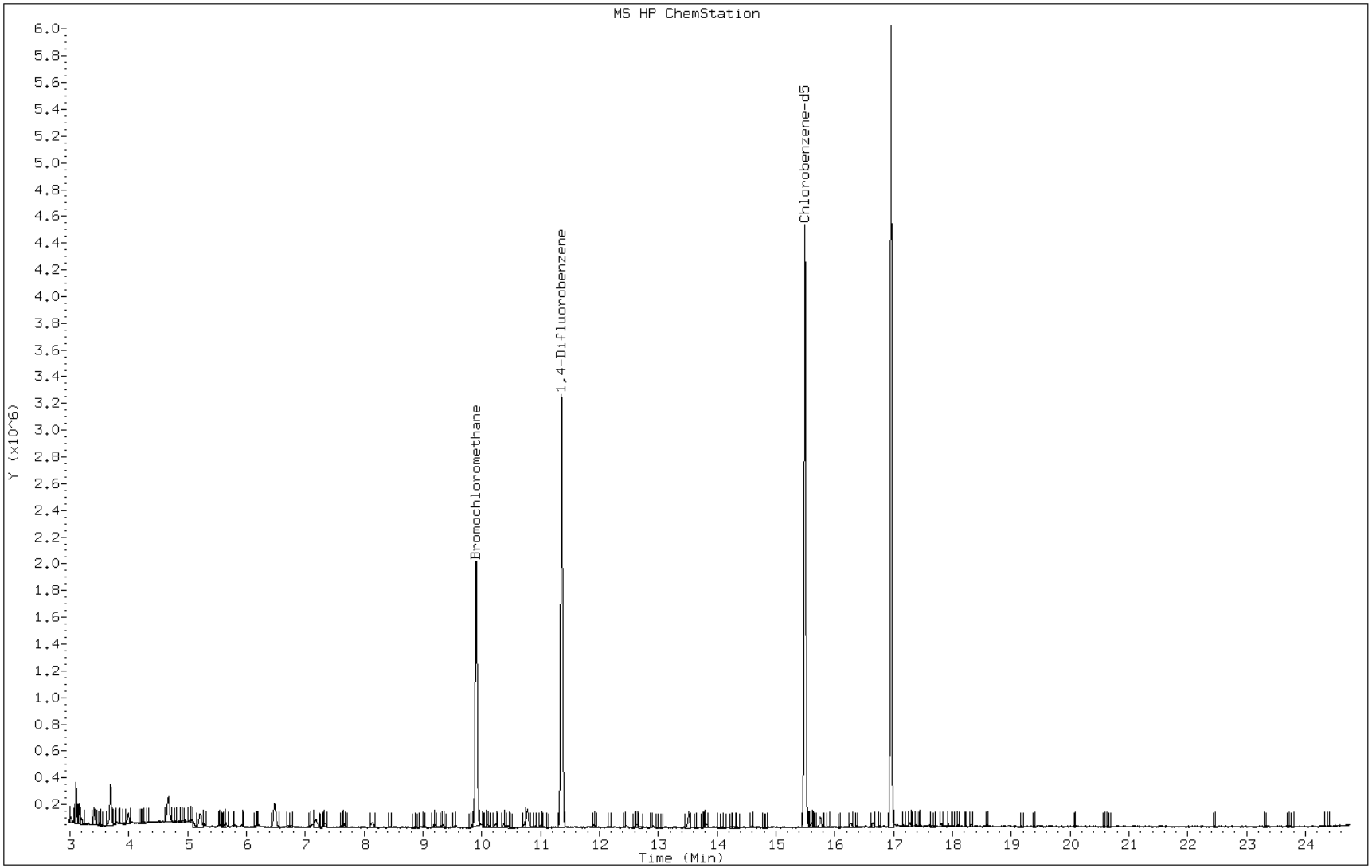
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	133887	0.16929	0.51
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.522	3.522	(0.355)	21870	0.13549	0.40
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	3.805	3.795	(0.384)	6731	0.06049	0.18
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.078	5.084	(0.512)	51932	0.07566	0.23
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.213	(0.626)	8657	0.02447	0.073(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.347	7.347	(0.741)	18675	0.08882	0.26(aQ)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.149	8.133	(0.822)	27389	0.12051	0.36
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	615478	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	10671	0.02616	0.078
	40 Cyclohexane	84	10.236	10.241	(0.901)	6848	0.02897	0.087(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.444	10.450	(0.919)	12825	0.03399	0.10
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.946)	57400	0.08142	0.24
	44 Benzene	78	10.781	10.787	(0.949)	131336	0.27173	0.81
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.017	11.011	(0.970)	13023	0.04846	0.14
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	2957797	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.520	13.515	(0.873)	59859	0.18928	0.56
	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	15.494	15.494	(1.000)	2618895	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.612	15.601	(1.008)	22099	0.03488	0.10
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	24644	0.10348	0.31
M	70 Xylene, Total	106				34134	0.14259	0.43
	71 Xylene (o)	106	16.275	16.270	(1.050)	9490	0.03911	0.12
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	17.377	17.367	(1.122)	5526	0.01126	0.034(a)
	84 1,2,4-Trimethylbenzene	105	17.816	17.806	(1.150)	14450	0.02835	0.085(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:	efzk010.d	Date:	22-NOV-2013 19:05
Client ID:	CS40811-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-5		
Lab Sample ID:	200-19497-5		



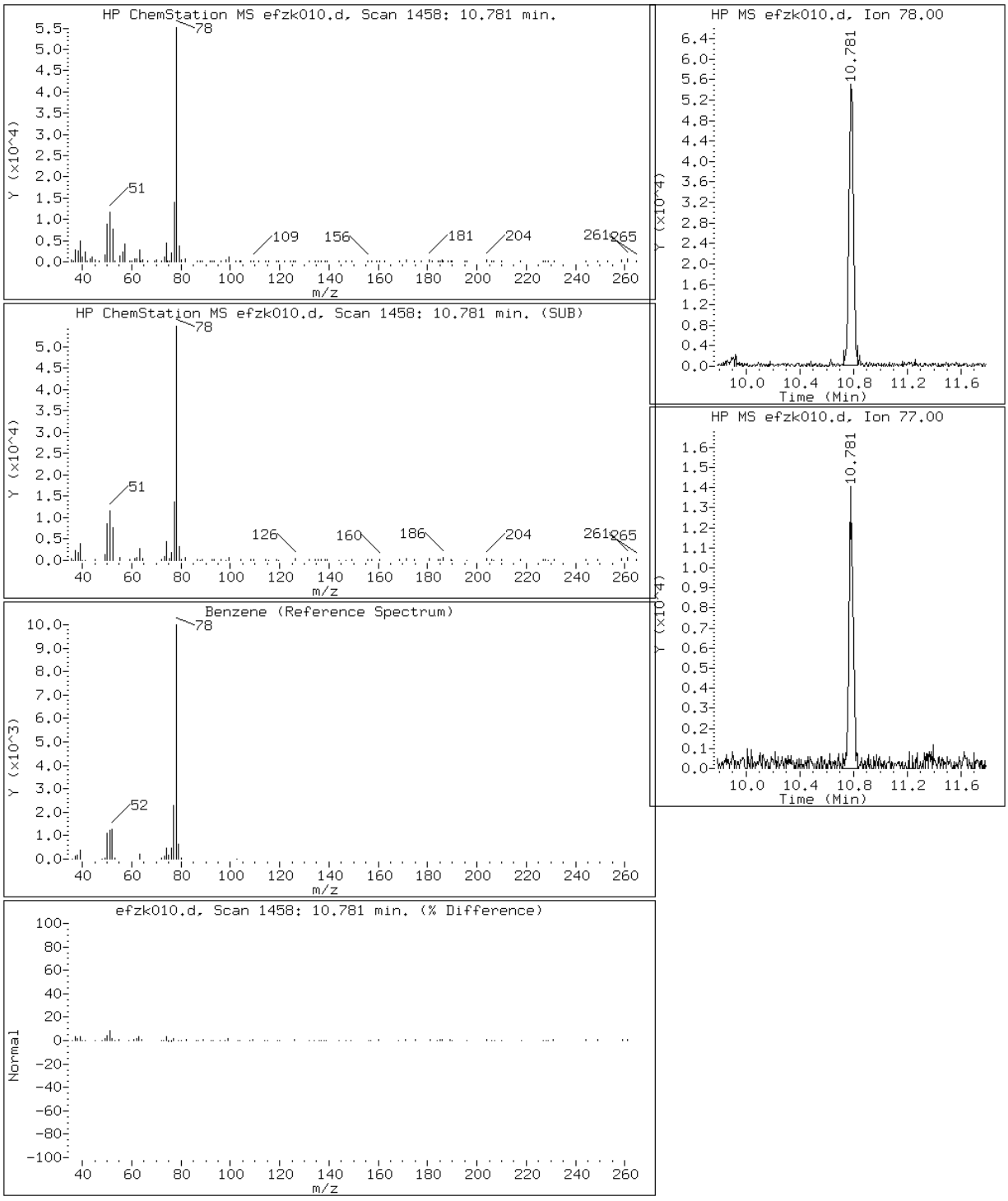
Data File: efzk010.d

Lab Sample ID: 200-19497-5 Date: 22-NOV-2013 19:05

Client ID: CS40811-111113 Instrument: E.i

Sample Info: 200-19497-A-5 Operator: wrd

44 Benzene



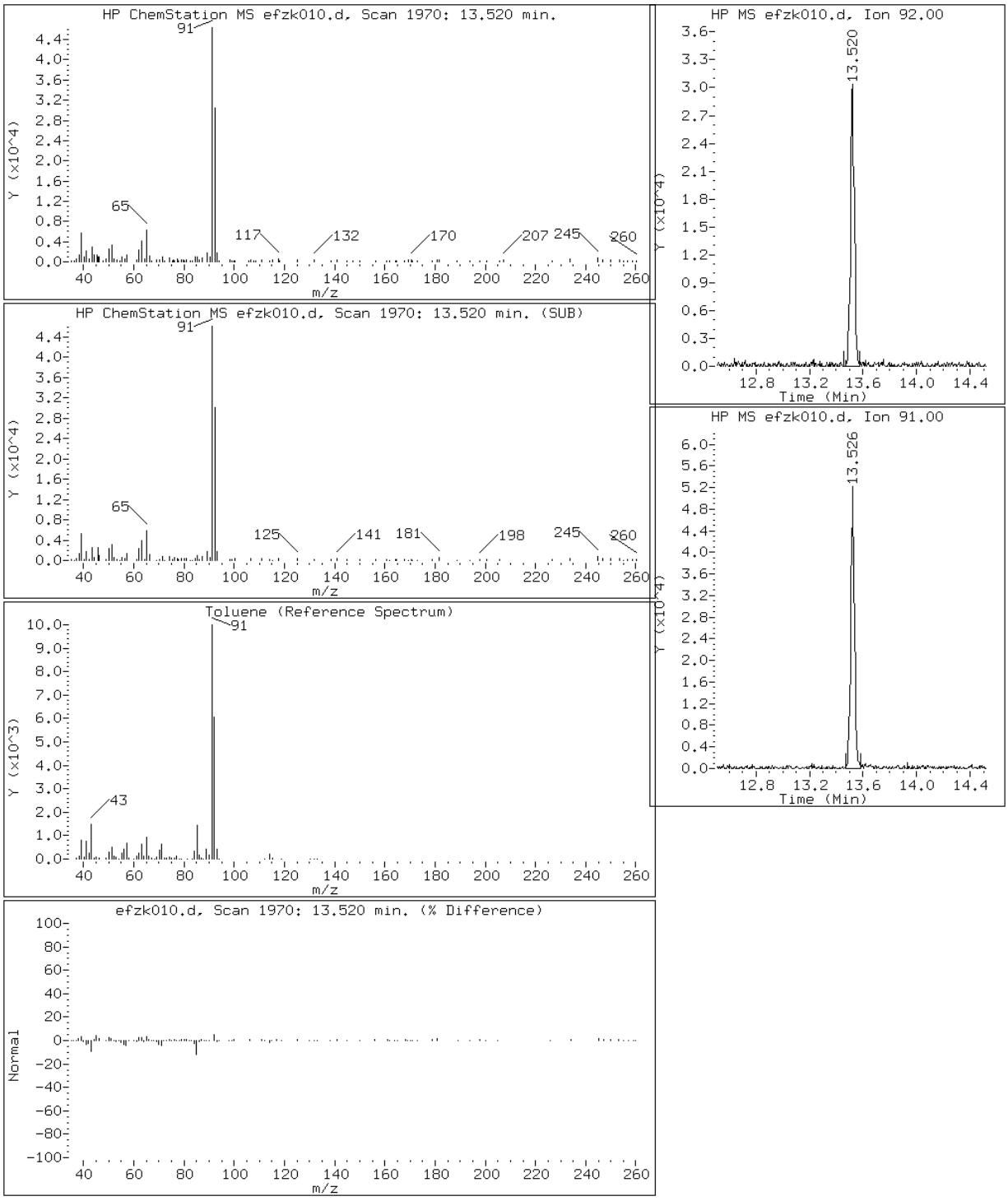
Data File: efzk010.d

Lab Sample ID: 200-19497-5 Date: 22-NOV-2013 19:05

Client ID: CS40811-111113 Instrument: E.i

Sample Info: 200-19497-A-5 Operator: wrd

58 Toluene



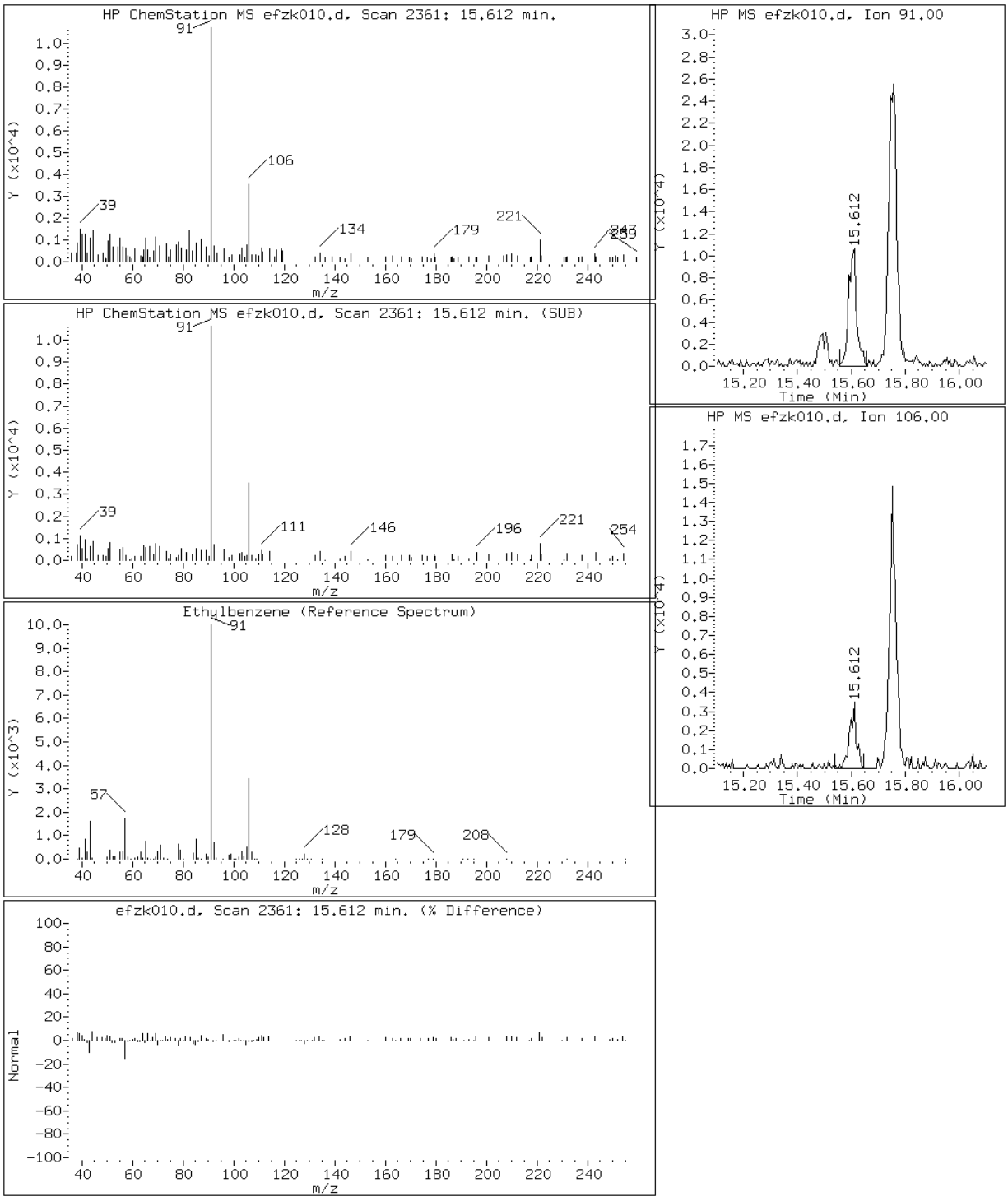
Data File: efzk010.d

Lab Sample ID: 200-19497-5 Date: 22-NOV-2013 19:05

Client ID: CS40811-111113 Instrument: E.i

Sample Info: 200-19497-A-5 Operator: wrd

67 Ethylbenzene



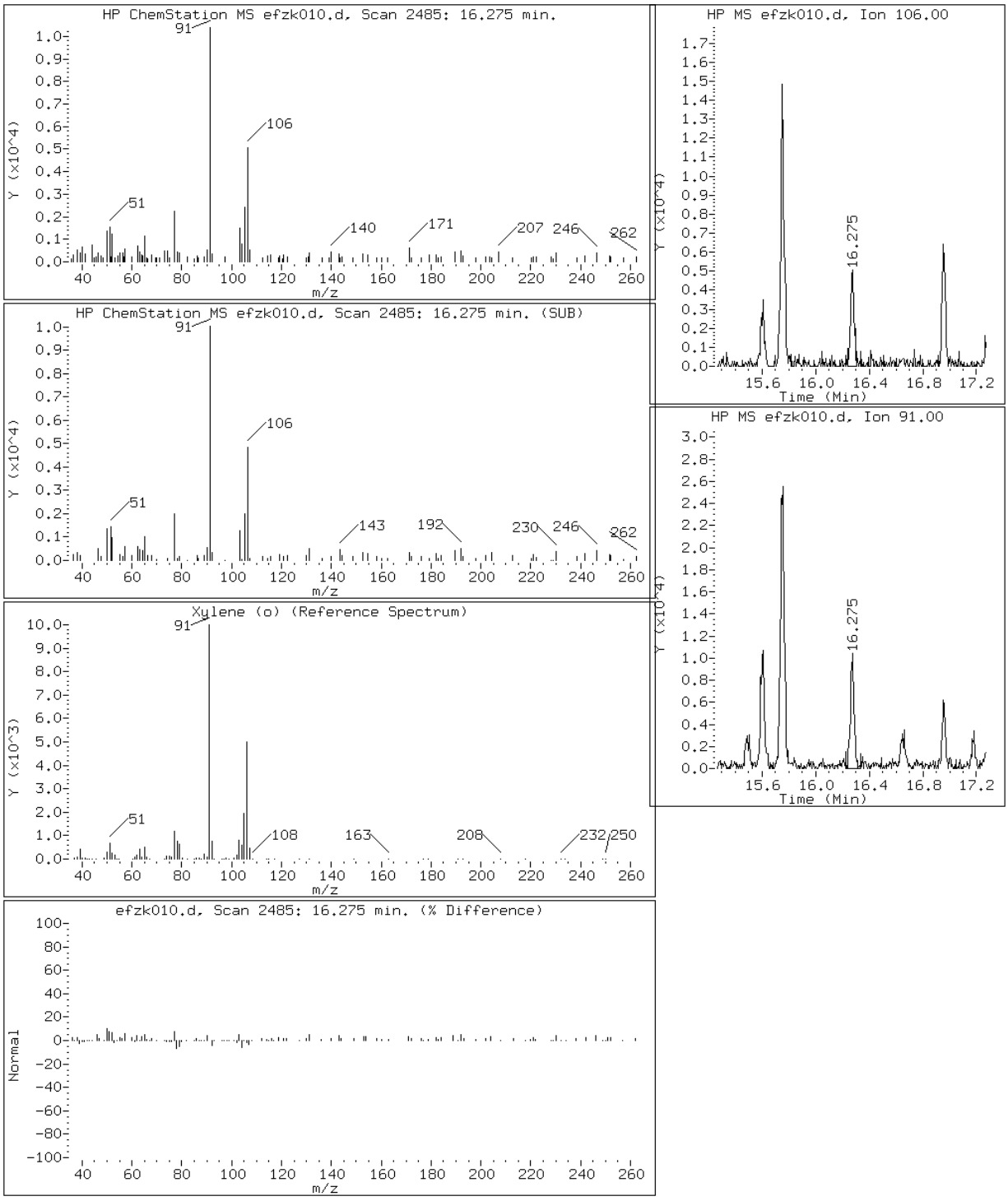
Data File: efzk010.d

Lab Sample ID: 200-19497-5 Date: 22-NOV-2013 19:05

Client ID: CS40811-111113 Instrument: E.i

Sample Info: 200-19497-A-5 Operator: wrd

71 Xylene (o)



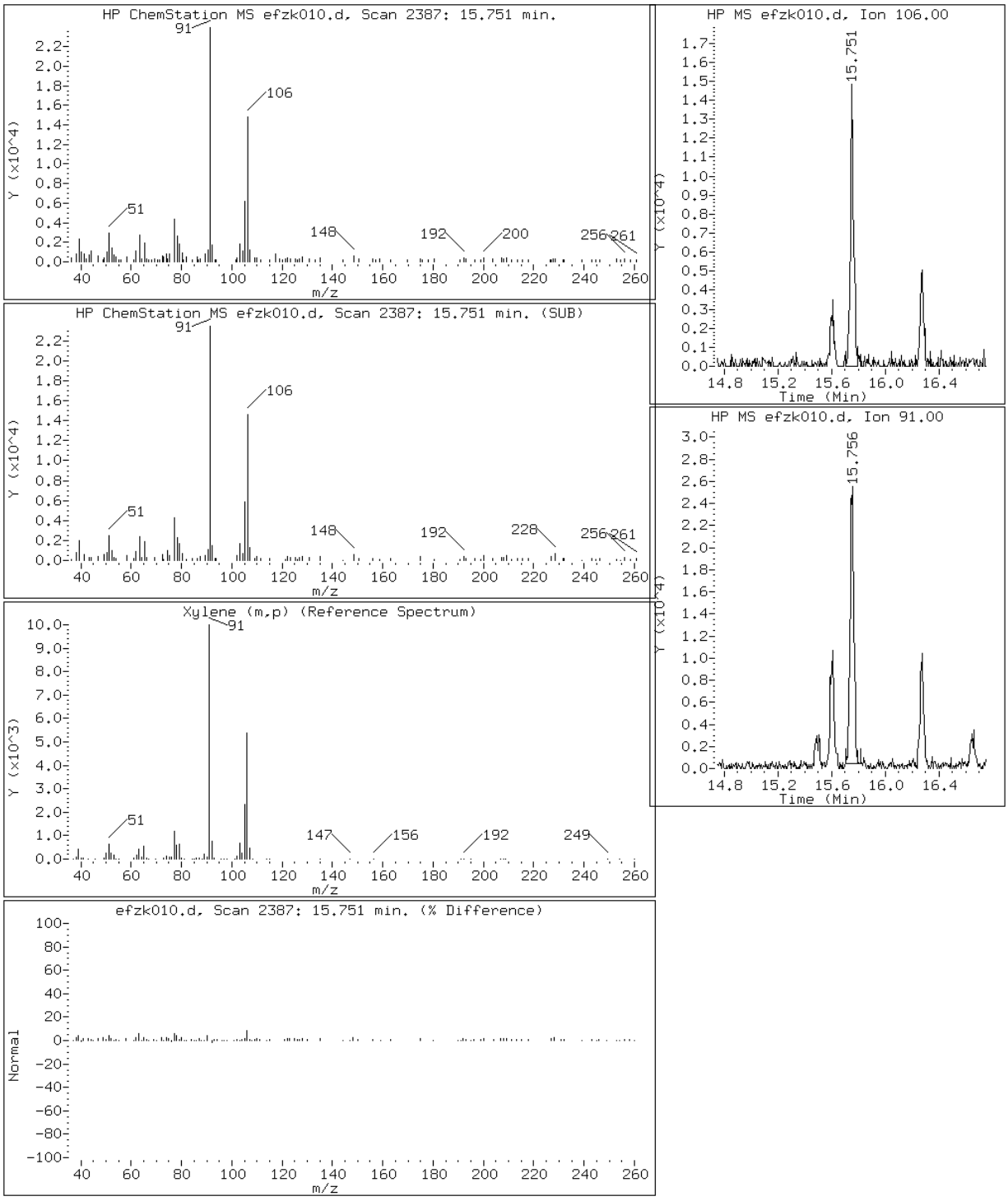
Data File: efzk010.d

Lab Sample ID: 200-19497-5 Date: 22-NOV-2013 19:05

Client ID: CS40811-111113 Instrument: E.i

Sample Info: 200-19497-A-5 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: DUP-111113 Lab Sample ID: 200-19497-6

Matrix: Air Lab File ID: efzk011.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:00

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 20:00

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	1.1		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.65		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.042		0.030	0.030
100-41-4	Ethylbenzene	106.17	0.098		0.030	0.030
95-47-6	o-Xylene	106.17	0.11		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.36		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.47		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: DUP-111113 Lab Sample ID: 200-19497-6

Matrix: Air Lab File ID: efzk011.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:00

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 20:00

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	3.6		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	2.5		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.29		0.20	0.20
100-41-4	Ethylbenzene	106.17	0.43		0.13	0.13
95-47-6	o-Xylene	106.17	0.48		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.6		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.0		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-6
Client Smp ID: DUP-111113
Inj Date : 22-NOV-2013 20:00
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-6
Misc Info : 167,2.99,crll
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 11
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

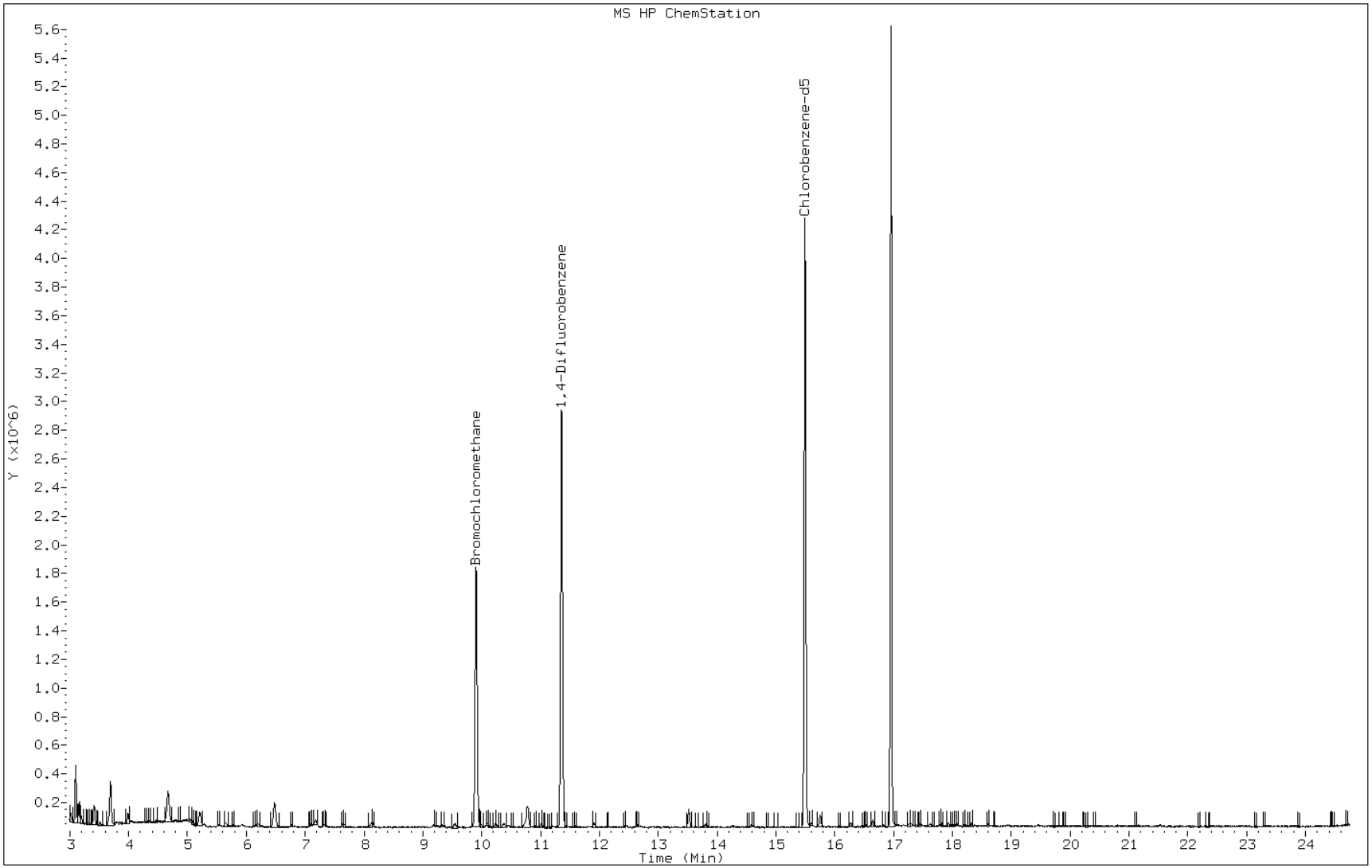
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.163	(0.319)	134049	0.19354	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.516	3.522	(0.355)	21831	0.15443	0.46
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	3.795	3.795	(0.383)	7074	0.07259	0.22
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.068	5.084	(0.511)	45784	0.07617	0.23(Q)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.181	6.213	(0.624)	9339	0.03014	0.090(aM)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.352	7.347	(0.742)	11933	0.06480	0.19(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.133	8.133	(0.821)	23893	0.12004	0.36(M)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	539023	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	9257	0.02592	0.077
	40 Cyclohexane	84	10.246	10.241	(0.902)	6062	0.02862	0.086(QM)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.444	10.450	(0.920)	10810	0.03197	0.096(M)
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.947)	47814	0.07568	0.23
	44 Benzene	78	10.776	10.787	(0.949)	162125	0.37431	1.1
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.017	11.011	(0.970)	13666	0.05675	0.17
*	47 1,4-Difluorobenzene	114	11.354	11.359	(1.000)	2650617	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.520	13.515	(0.873)	63790	0.21867	0.65
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.280	14.291	(0.922)	3384	0.01408	0.042
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2415800	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.601	15.601	(1.007)	19215	0.03287	0.098
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	26232	0.11941	0.36
M	70 Xylene, Total	106				34575	0.15668	0.47
	71 Xylene (o)	106	16.265	16.270	(1.050)	8343	0.03727	0.11
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	5380	0.01188	0.036(a)
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.149)	15025	0.03196	0.096(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:	efzk011.d	Date:	22-NOV-2013 20:00
Client ID:	DUP-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-6		
Lab Sample ID:	200-19497-6		



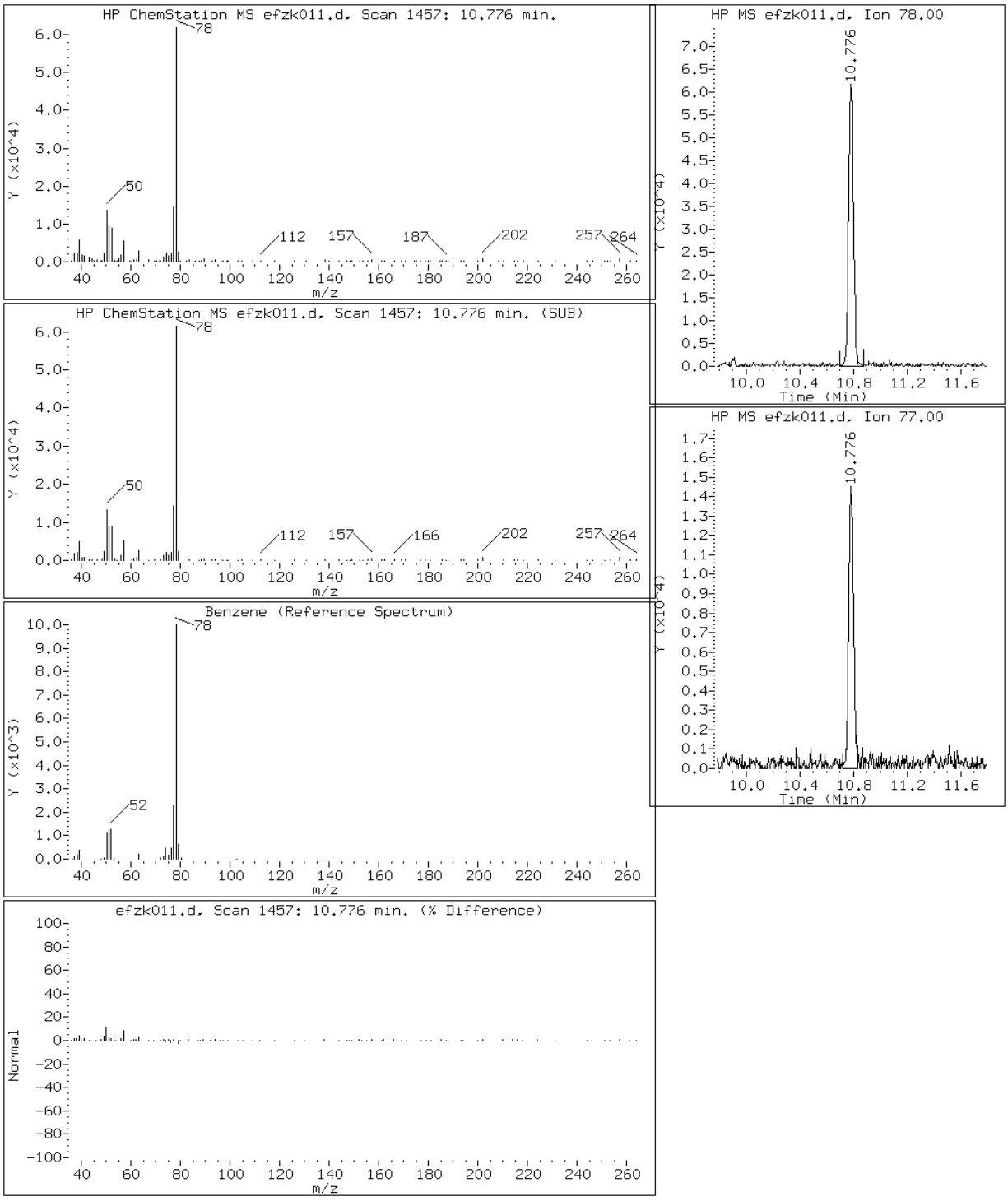
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

44 Benzene



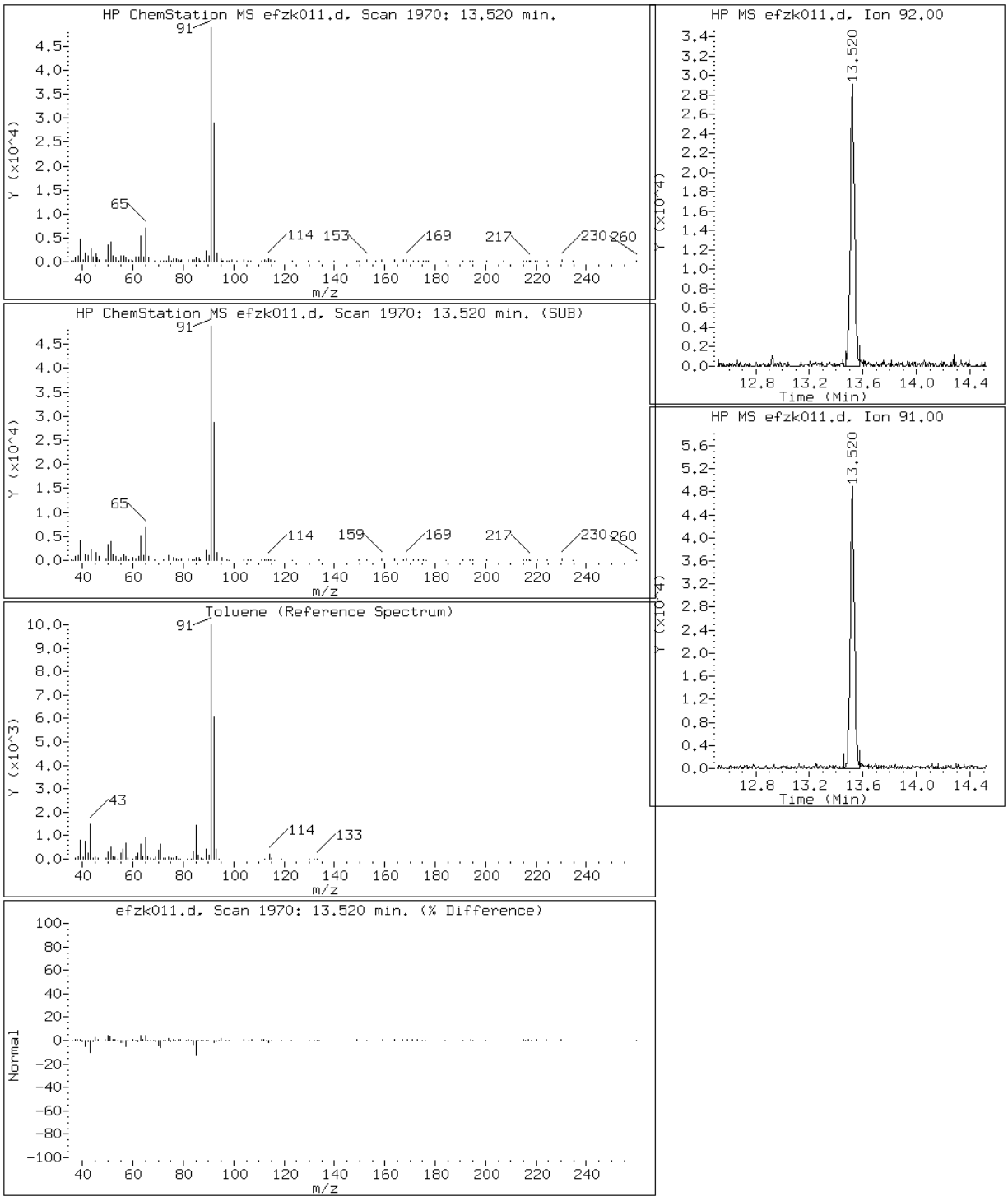
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

58 Toluene



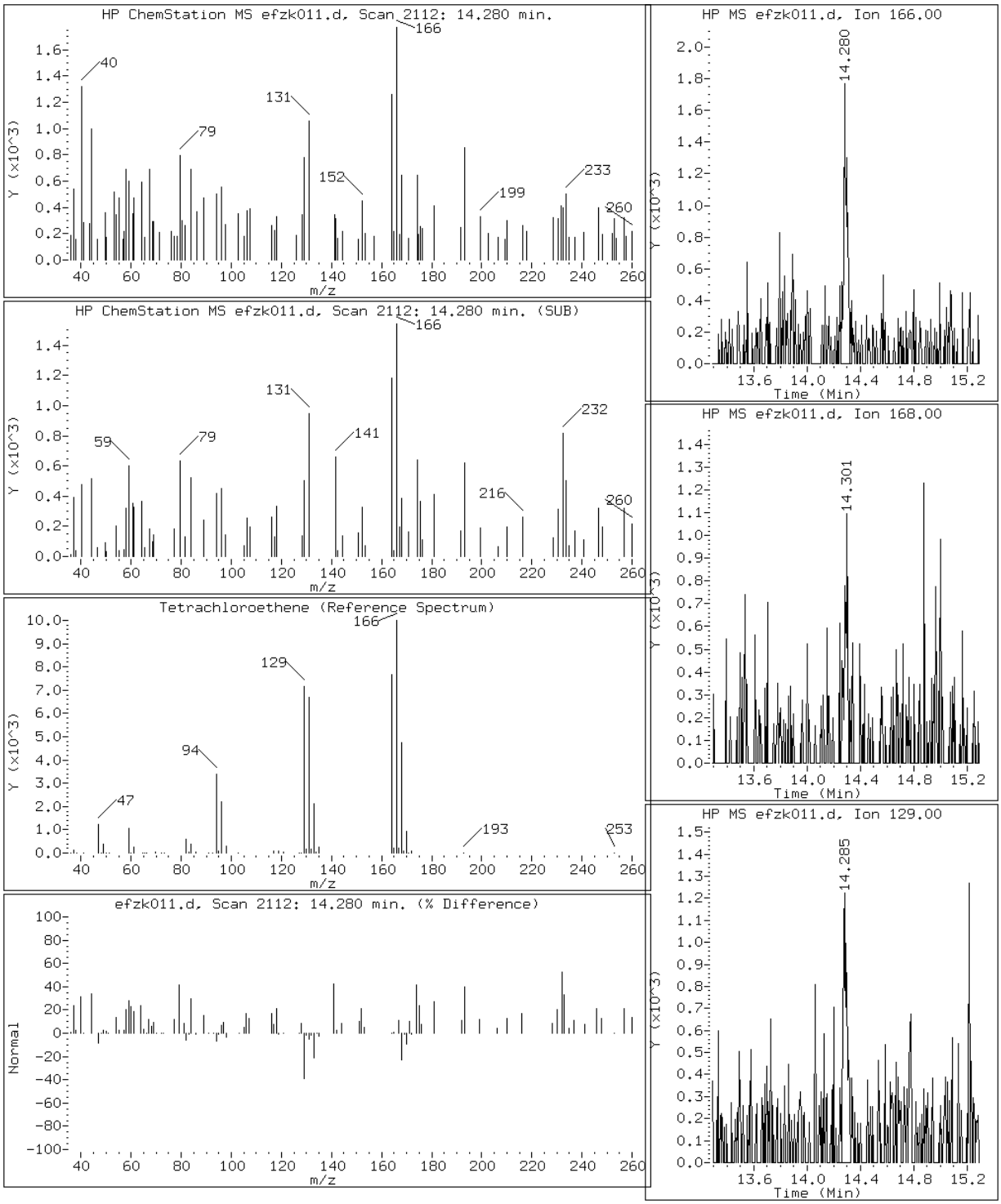
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

61 Tetrachloroethene



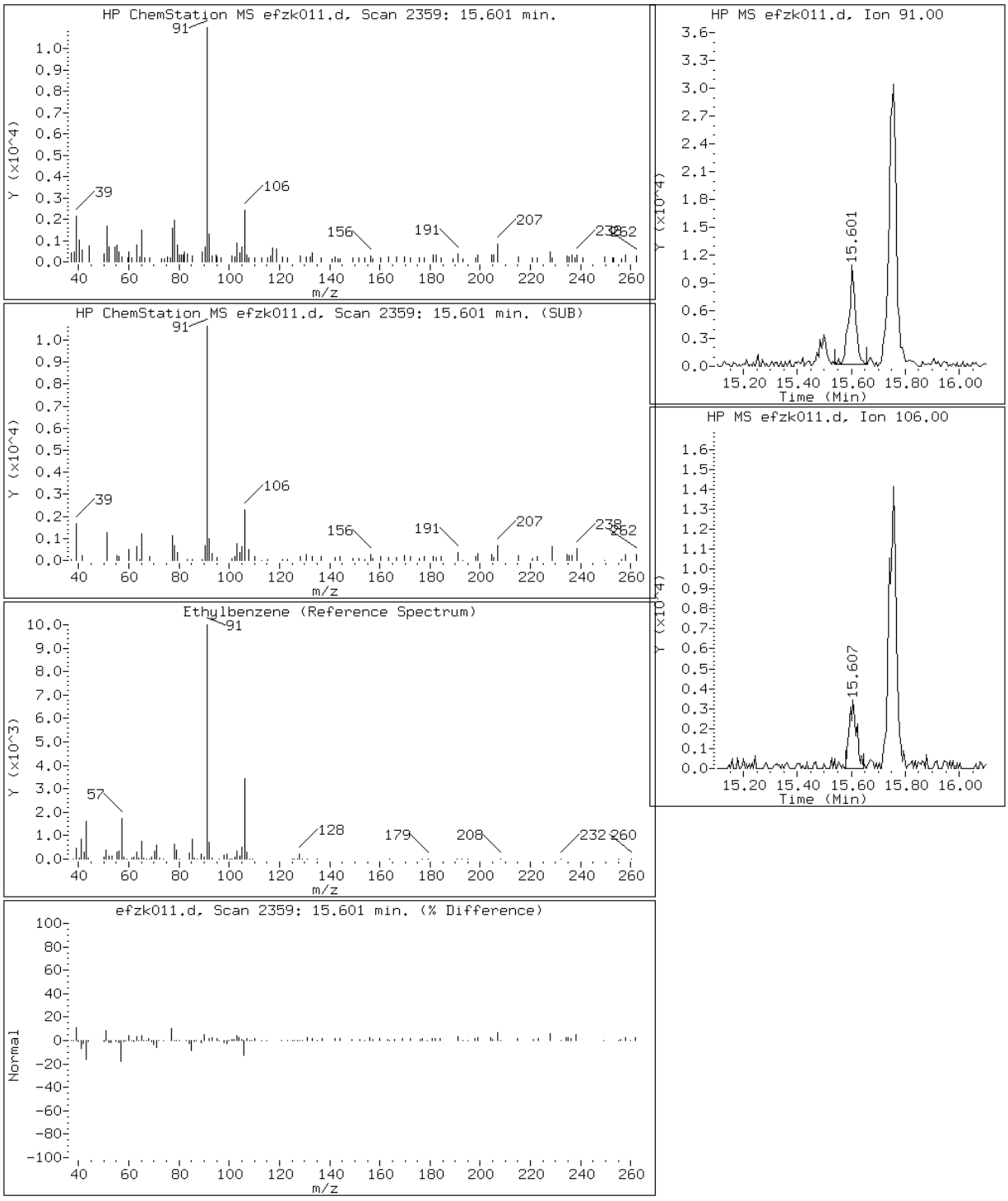
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

67 Ethylbenzene



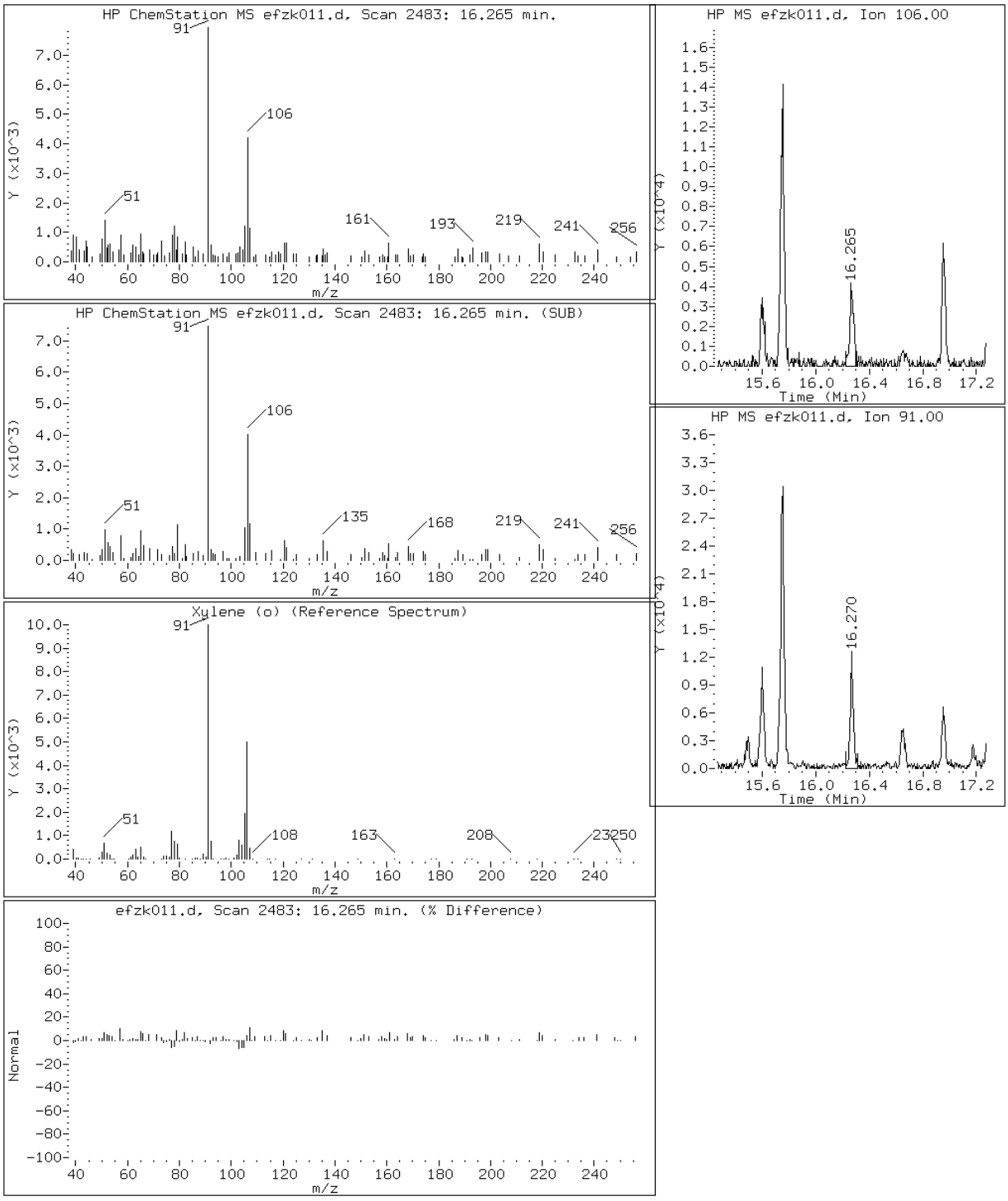
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

71 Xylene (o)



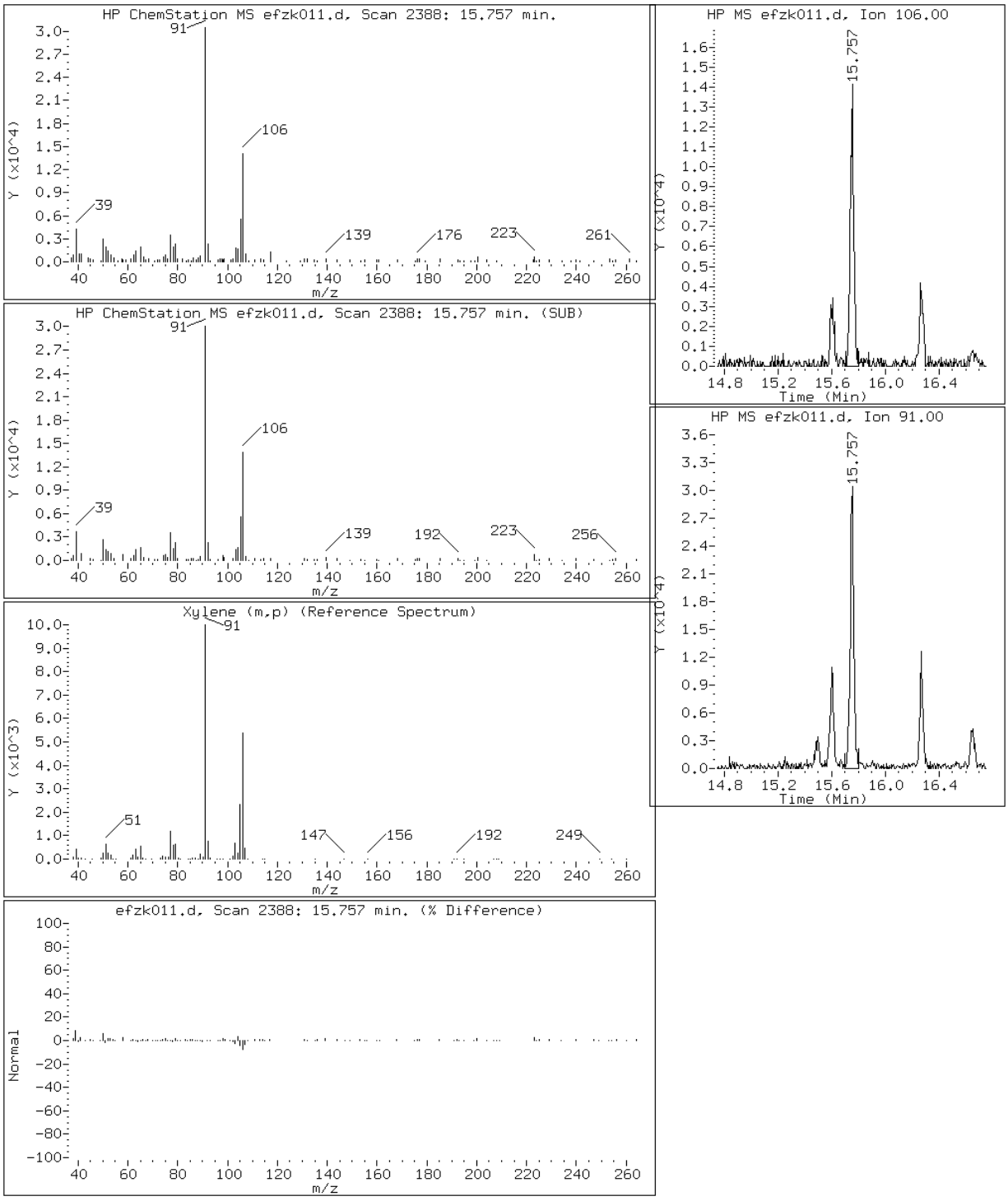
Data File: efzk011.d

Lab Sample ID: 200-19497-6 Date: 22-NOV-2013 20:00

Client ID: DUP-111113 Instrument: E.i

Sample Info: 200-19497-A-6 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: BG-111113 Lab Sample ID: 200-19497-7

Matrix: Air Lab File ID: efzk012.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:30

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 20:54

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	1.7		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	1.1		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.038		0.030	0.030
100-41-4	Ethylbenzene	106.17	0.21		0.030	0.030
95-47-6	o-Xylene	106.17	0.23		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.72		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.94		0.030	0.030
108-90-7	Chlorobenzene	112.56	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: BG-111113 Lab Sample ID: 200-19497-7

Matrix: Air Lab File ID: efzk012.d

Analysis Method: TO15 LL Date Collected: 11/12/2013 12:30

Sample wt/vol: 167(mL) Date Analyzed: 11/22/2013 20:54

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	5.4		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	4.2		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.26		0.20	0.20
100-41-4	Ethylbenzene	106.17	0.91		0.13	0.13
95-47-6	o-Xylene	106.17	0.98		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	3.1		0.26	0.26
1330-20-7	Xylenes, Total	106.17	4.1		0.13	0.13
108-90-7	Chlorobenzene	112.56	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19497-7
Client Smp ID: BG-111113
Inj Date : 22-NOV-2013 20:54
Operator : wrd Inst ID: E.i
Smp Info : 200-19497-A-7
Misc Info : 167,2.99,crll
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 12
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

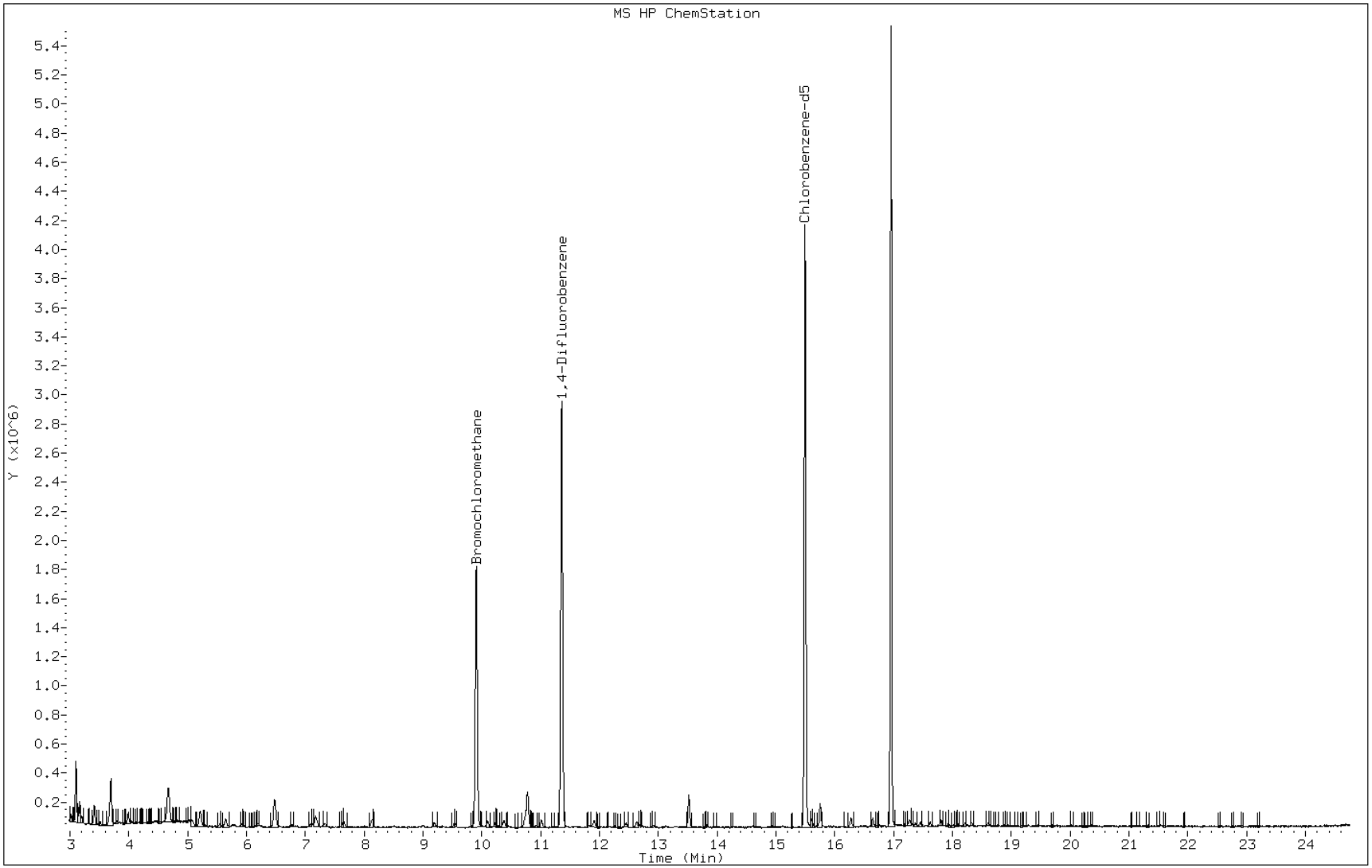
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	128706	0.19312	0.58
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.522	3.522	(0.355)	26636	0.19583	0.58
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	3.795	3.795	(0.383)	8168	0.08710	0.26
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.079	5.084	(0.512)	48071	0.08311	0.25(Q)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.197	6.213	(0.625)	9028	0.03028	0.090(aQ)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.341	7.347	(0.741)	14005	0.07904	0.24(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	8.133	8.133	(0.821)	35543	0.18558	0.55
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	518656	2.00000	
	39 Chloroform	83	10.006	10.006	(1.010)	4180	0.01216	0.036
	40 Cyclohexane	84	10.246	10.241	(0.902)	7347	0.03506	0.10(Q)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.439	10.450	(0.919)	8841	0.02643	0.079(Q)
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.946)	105997	0.16961	0.51
	44 Benzene	78	10.781	10.787	(0.949)	244347	0.57031	1.7
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.017	11.011	(0.970)	26376	0.11073	0.33
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	2621932	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.526	13.515	(0.873)	106318	0.37186	1.1
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.301	14.291	(0.923)	2976	0.01264	0.038(M)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2367657	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.601	15.601	(1.007)	39971	0.06978	0.21
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	51636	0.23983	0.72
M	70 Xylene, Total	106				68145	0.31508	0.94
	71 Xylene (o)	106	16.275	16.270	(1.050)	16509	0.07526	0.22
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	10080	0.02272	0.068
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	23485	0.05097	0.15

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:	efzk012.d	Date:	22-NOV-2013 20:54
Client ID:	BG-111113	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19497-A-7		
Lab Sample ID:	200-19497-7		



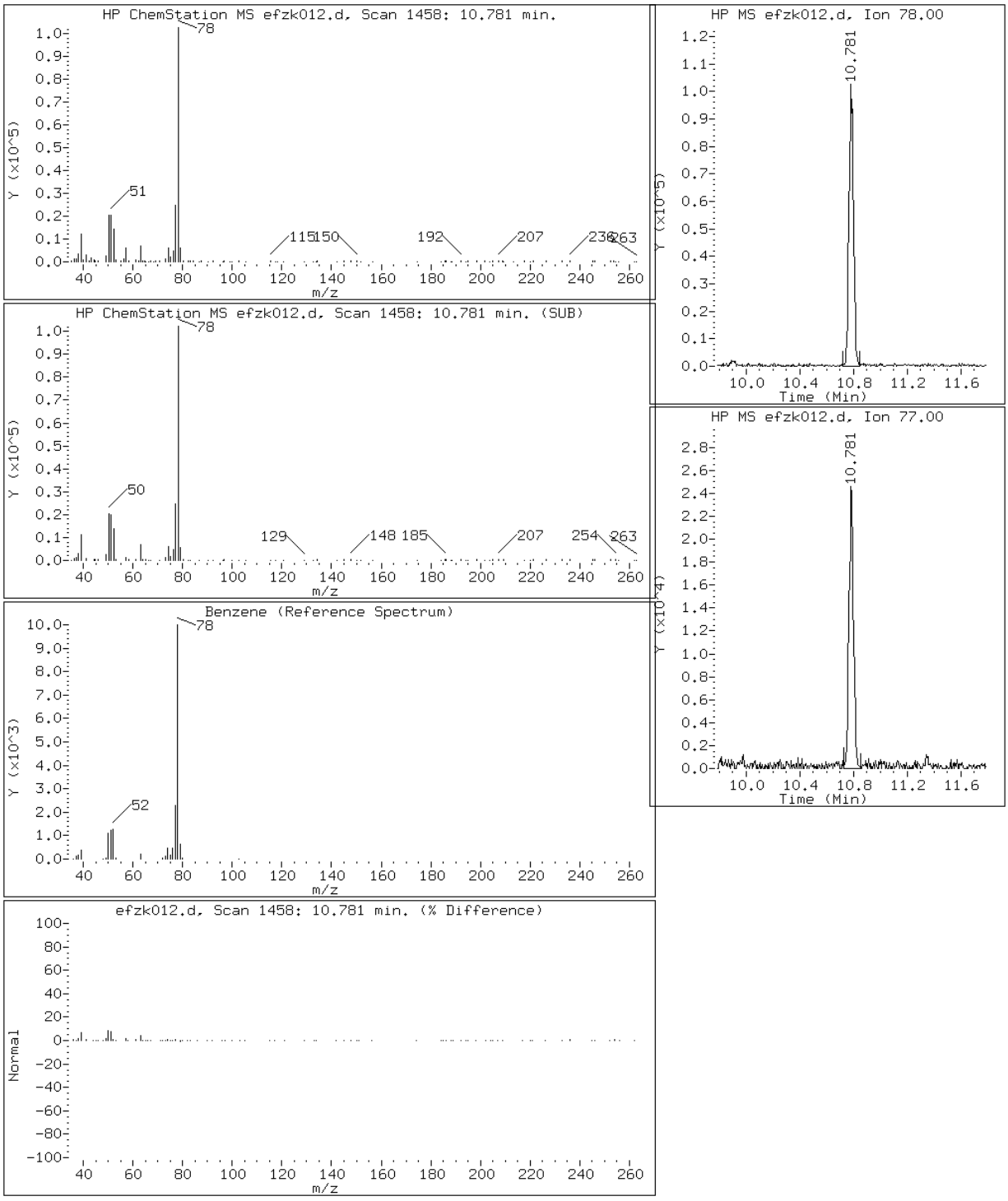
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

44 Benzene



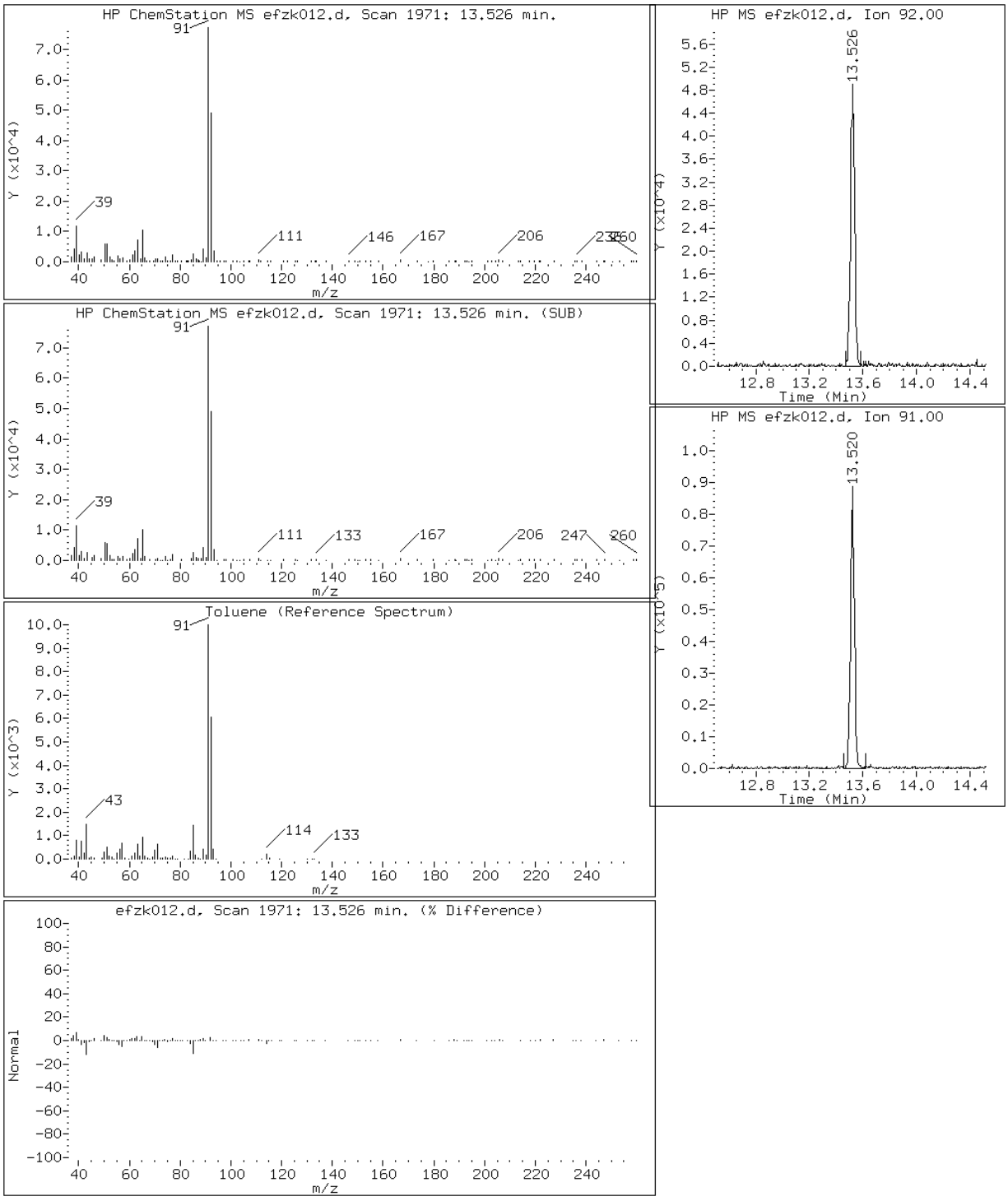
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

58 Toluene



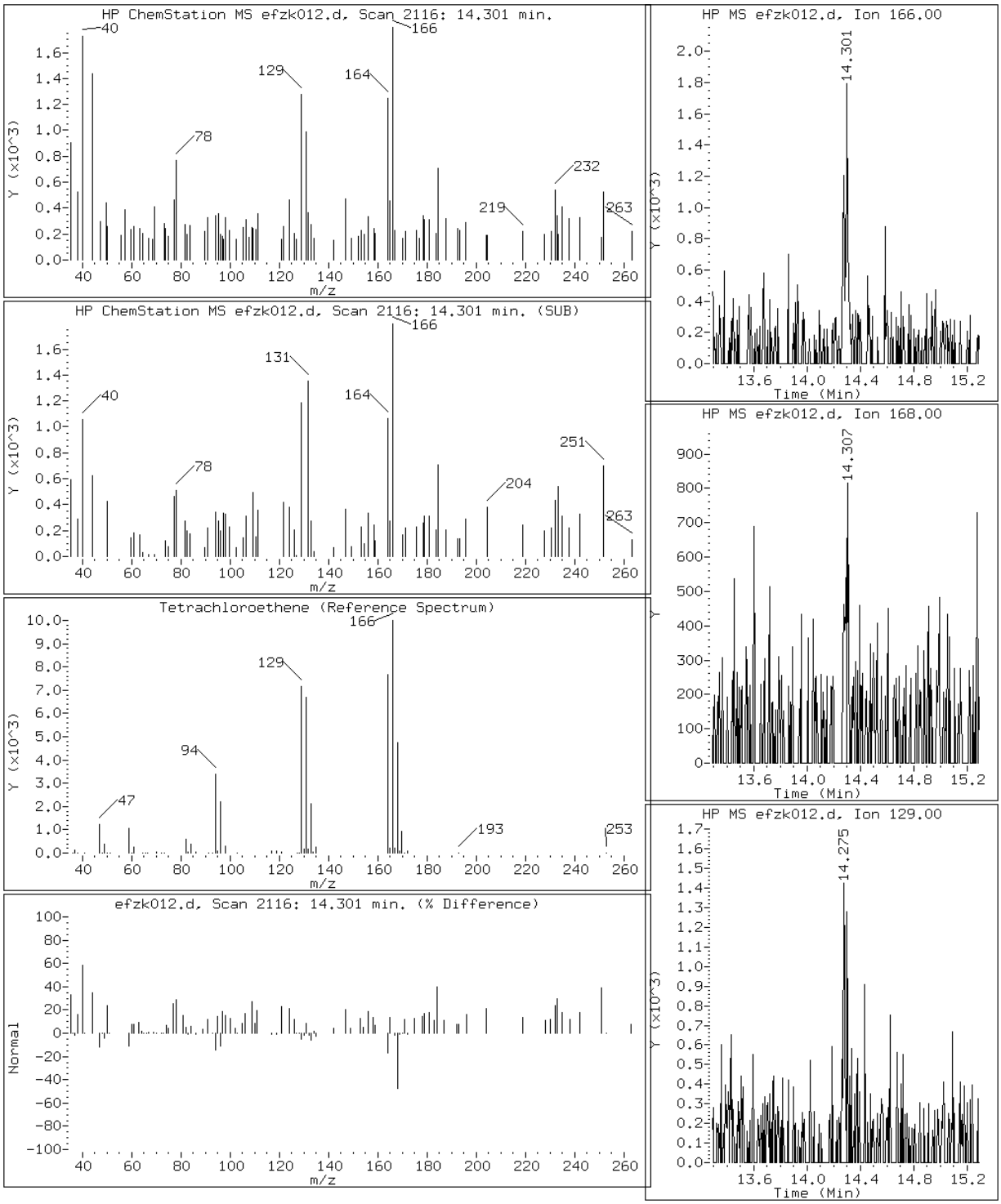
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

61 Tetrachloroethene



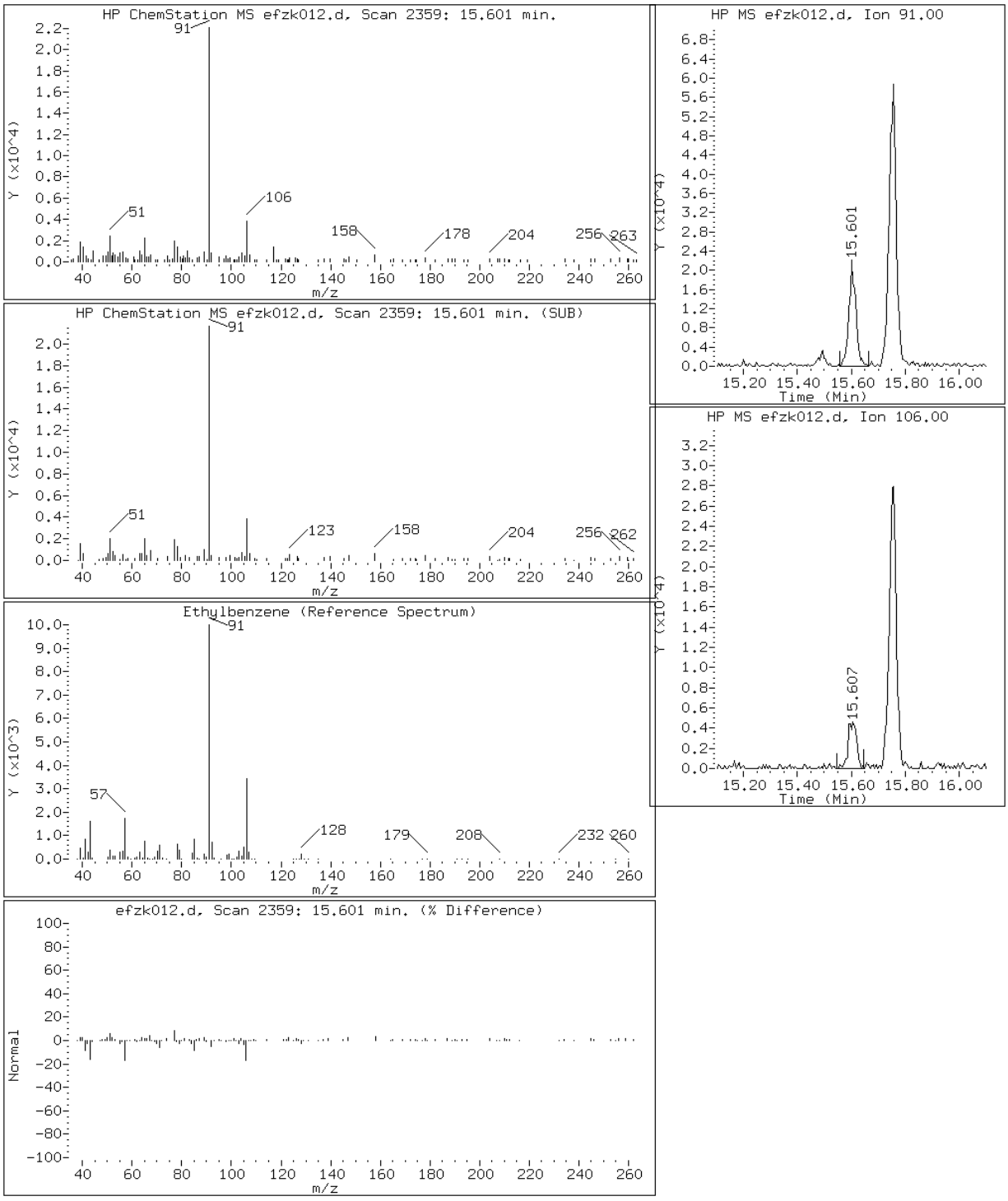
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

67 Ethylbenzene



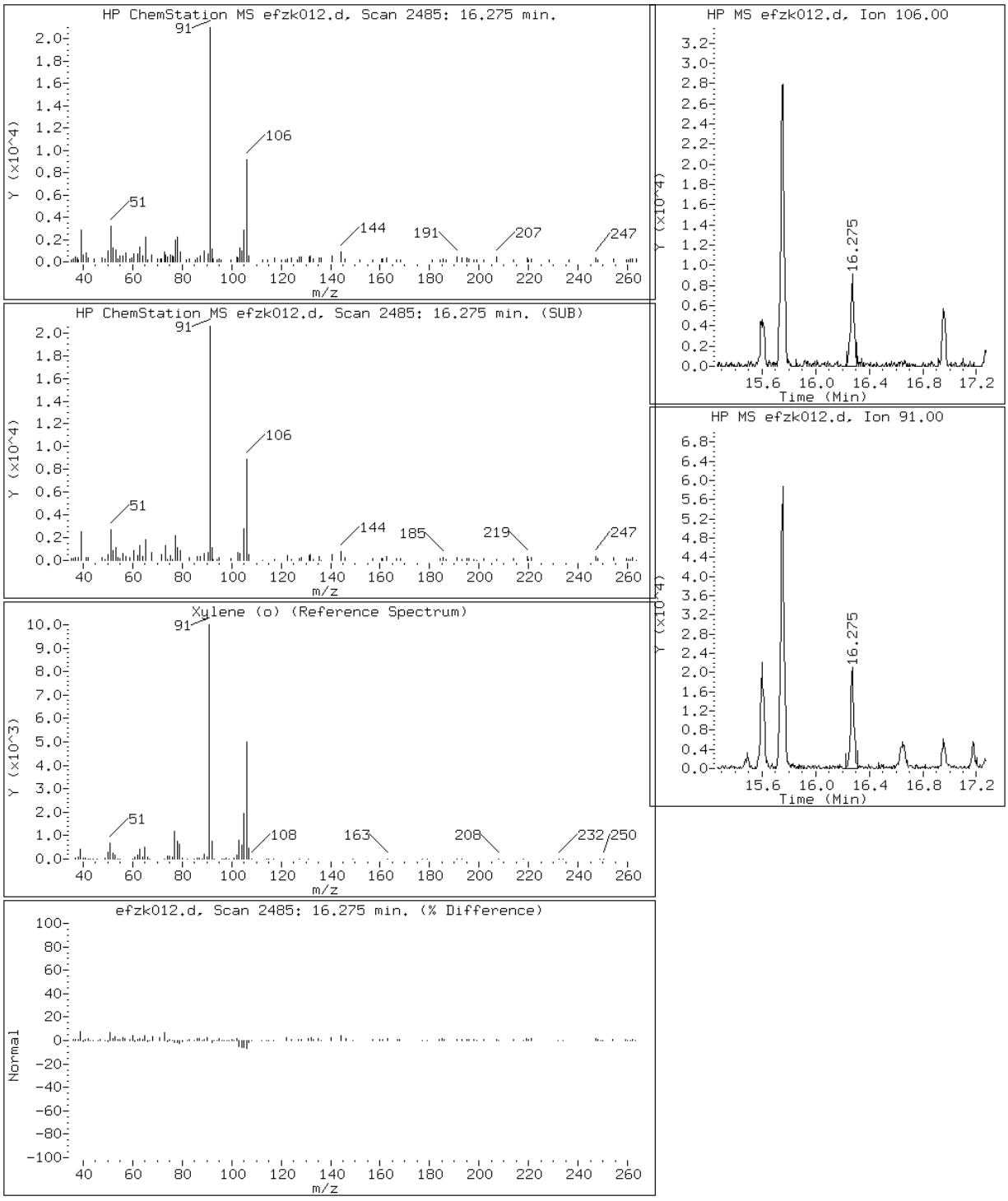
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

71 Xylene (o)



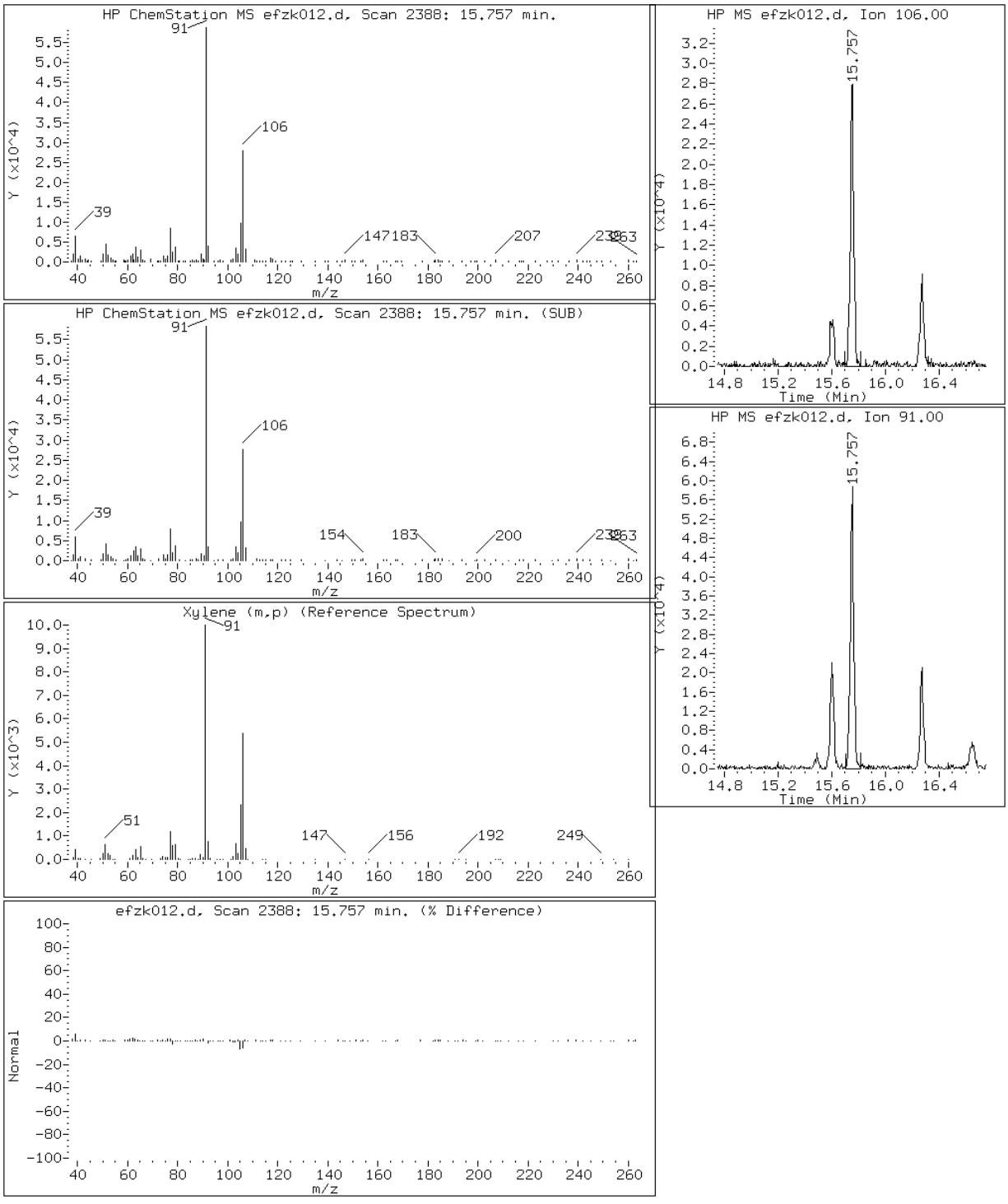
Data File: efzk012.d

Lab Sample ID: 200-19497-7 Date: 22-NOV-2013 20:54

Client ID: BG-111113 Instrument: E.i

Sample Info: 200-19497-A-7 Operator: wrd

69 Xylene (m,p)



Manual Integration Report

Data File: efzk012.d
Lab Sample ID: 200-19497-7
Inj. Date and Time: 22-NOV-2013 20:54
Instrument ID: E.i
Client ID: BG-111113
Compound: 61 Tetrachloroethene
CAS #: 127-18-4
Report Date: 11/25/2013

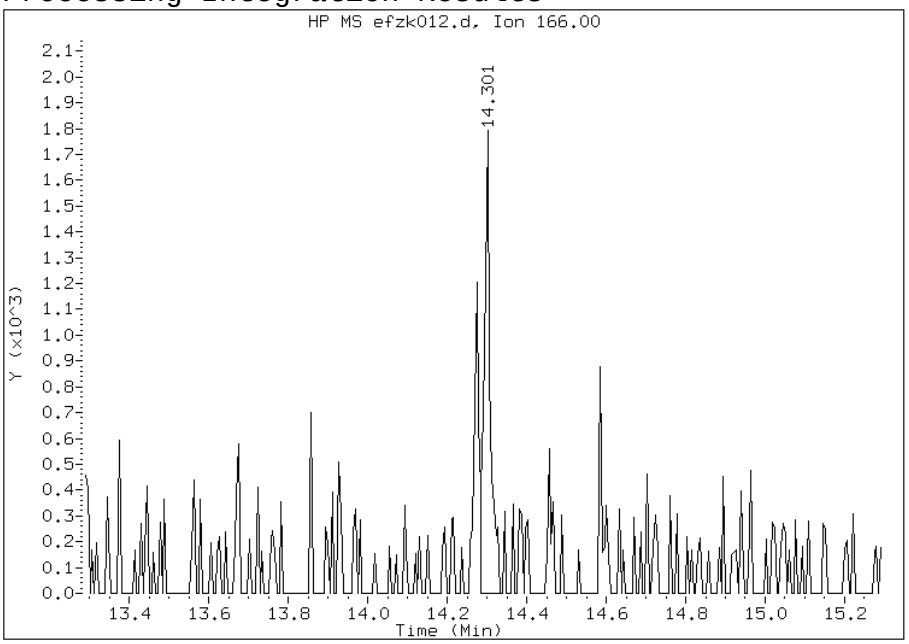
Processing Integration Results

RT: 14.30

Response: 1995

Amount: 0.008472

Conc: 0.025333



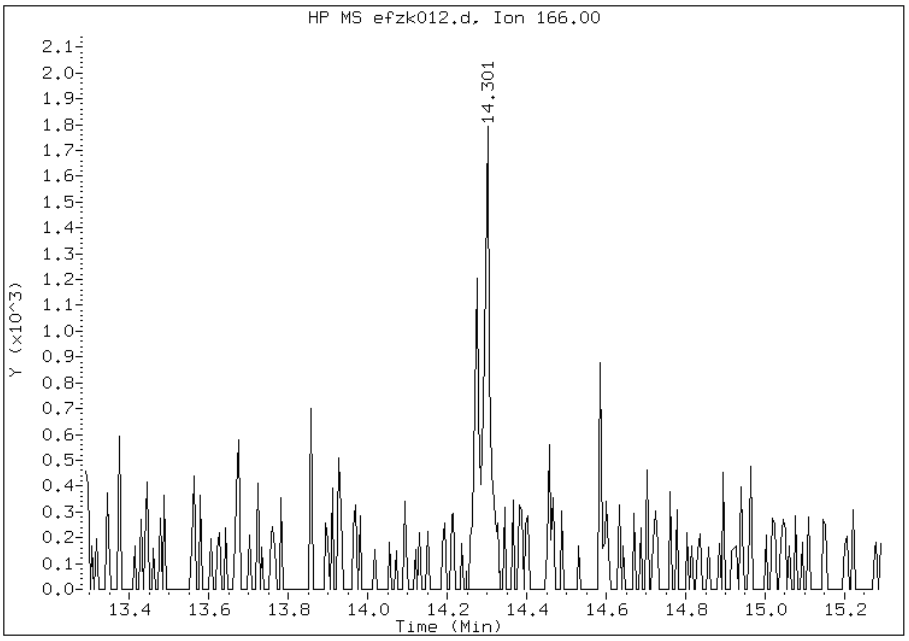
Manual Integration Results

RT: 14.30

Response: 2976

Amount: 0.012639

Conc: 0.037789



File Uploaded By: wrd
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61363/4	efz004.d
Level 2	IC 200-61363/5	efz005.d
Level 3	IC 200-61363/6	efz006.d
Level 4	IC 200-61363/7	efz007.d
Level 5	ICIS 200-61363/8	efz008.d
Level 6	IC 200-61363/9	efz009.d
Level 7	IC 200-61363/10	efz010.d
Level 8	IC 200-61363/11	efz011.d
Level 9	IC 200-61363/12	efz012.d
Level 10	IC 200-61363/13	efz013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane	2.6307 2.5230	2.4680 +++++	2.4115 2.5339	2.7235 +++++	2.6987 +++++	Ave		2.5699				4.6		30.0			
1,2-Dichlorotetrafluoroethane	2.0355 2.3161	1.9658 +++++	2.0495 2.3605	2.5489 +++++	2.5243 +++++	Ave		2.2572				10.7		30.0			
Chloromethane	 0.5368	 0.5309	 0.4708	0.6375 0.4749	0.5779 0.4427	Ave		0.5245				13.0		30.0			
Vinyl chloride	 0.5573	0.5326 +++++	0.5916 0.5392	0.6076 +++++	0.5910 +++++	Ave		0.5699				5.4		30.0			
1,3-Butadiene	 0.3567	0.2741 +++++	0.3976 0.3333	0.4317 +++++	0.3761 +++++	Ave		0.3616				15.1		30.0			
Bromomethane	 0.7025	0.7581 +++++	0.7998 0.6366	0.7661 +++++	0.7211 +++++	Ave		0.7307				7.9		30.0			
Chloroethane	 0.2625	0.3061 +++++	0.3160 0.2509	0.2634 +++++	0.2722 +++++	Ave		0.2785				9.4		30.0			
Bromoethene(Vinyl Bromide)	 0.7502	0.9160 +++++	0.7639 0.7411	0.8595 +++++	0.7815 +++++	Ave		0.8020				8.7		30.0			
Trichlorofluoromethane	2.3129 2.2231	2.1955 +++++	2.1900 2.1524	2.3013 +++++	2.2370 +++++	Ave		2.2303				2.6		30.0			
1,1-Dichloroethene	0.9132 0.5076	0.5166 +++++	0.5738 0.4855	0.4914 +++++	0.4805 +++++	Ave		0.5669				27.5		30.0			
3-Chloropropene	 0.5646	0.4512 +++++	0.5415 0.5615	0.6266 +++++	0.5359 +++++	Ave		0.5469				10.4		30.0			
Methylene Chloride	 0.7099	 0.6465	 0.6104	0.8703 0.5946	0.7398 0.6113	Ave		0.6832				14.5		30.0			
Methyl tert-butyl ether	1.7553 1.5819	1.3969 +++++	1.3425 1.3380	1.2800 +++++	1.4117 +++++	Ave		1.4438				11.6		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.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
trans-1,2-Dichloroethene	1.3982 0.8012	0.6992 +++++	0.9051 0.7886	0.8639 +++++	0.7938 +++++	Ave		0.8929				26.0		30.0			
n-Hexane	 0.7805	0.7696 +++++	0.6012 0.7436	0.7604 +++++	0.7760 +++++	Ave		0.7385				9.3		30.0			
1,1-Dichloroethane	1.5244 1.0488	0.9349 +++++	1.0479 0.9519	1.1129 +++++	1.0892 +++++	Ave		1.1014				18.0		30.0			
cis-1,2-Dichloroethene	0.6381 0.5555	0.5515 +++++	0.6320 0.5071	0.4869 +++++	0.5546 +++++	Ave		0.5608				10.2		30.0			
Chloroform	1.7139 1.3135	1.3088 +++++	1.2923 1.1519	1.2604 +++++	1.2360 +++++	Ave		1.3253				13.6		30.0			
1,1,1-Trichloroethane	0.3035 0.2623	0.2794 +++++	0.2558 0.2512	0.2645 +++++	0.2702 +++++	Ave		0.2696				6.5		30.0			
Cyclohexane	0.2509 0.1424	0.1415 +++++	0.1534 0.1358	0.1442 +++++	0.1506 +++++	Ave		0.1598				25.4		30.0			
Carbon tetrachloride	0.2427 0.2710	0.2543 +++++	0.2350 0.2528	0.2610 +++++	0.2690 +++++	Ave		0.2551				5.2		30.0			
2,2,4-Trimethylpentane	0.4650 0.4759	0.5101 +++++	0.4689 0.4599	0.4550 +++++	0.5021 +++++	Ave		0.4767				4.5		30.0			
Benzene	0.3627 0.3376	0.3506 +++++	0.3066 0.2906	0.3128 +++++	0.3267 +++++	Ave		0.3268				7.8		30.0			
1,2-Dichloroethane	 0.1757	0.1688 +++++	0.1674 0.1539	0.1667 +++++	0.1663 +++++	Ave		0.1665				4.2		30.0			
n-Heptane	0.2376 0.1727	0.1808 +++++	0.1798 0.1624	0.1713 +++++	0.1673 +++++	Ave		0.1817				14.0		30.0			
Trichloroethene	0.1689 0.1505	0.1922 +++++	0.1640 0.1311	0.1446 +++++	0.1350 +++++	Ave		0.1552				13.8		30.0			
1,2-Dichloropropane	 0.1218	0.1473 +++++	0.1262 0.1037	0.1098 +++++	0.1149 +++++	Ave		0.1206				12.8		30.0			
Bromodichloromethane	0.2358 0.2651	0.2381 +++++	0.2172 0.2358	0.2155 +++++	0.2416 +++++	Ave		0.2356				7.1		30.0			
cis-1,3-Dichloropropene	0.1915 0.1663	0.1592 +++++	0.1536 0.1467	0.1465 +++++	0.1464 +++++	Ave		0.1586				10.3		30.0			
Toluene	0.2951 0.2558	0.2395 +++++	0.2323 0.2197	0.2202 +++++	0.2279 +++++	Ave		0.2415				11.1		30.0			
trans-1,3-Dichloropropene	0.2195 0.1726	0.1438 +++++	0.1380 0.1508	0.1360 +++++	0.1457 +++++	Ave		0.1580				18.8		30.0			
1,1,2-Trichloroethane	0.1644 0.1325	0.1293 +++++	0.1191 0.1116	0.1167 +++++	0.1221 +++++	Ave		0.1280				13.7		30.0			
Tetrachloroethene	0.2545 0.2052	0.2004 +++++	0.1733 0.1805	0.1993 +++++	0.1791 +++++	Ave		0.1989				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.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibromochloromethane	0.2009 0.2406	0.1894 +++++	0.2030 0.2131	0.1992 +++++	0.2075 +++++	Ave		0.2077				7.8		30.0			
1,2-Dibromoethane	0.1946 0.2206	0.1785 +++++	0.1822 0.1857	0.1814 +++++	0.1758 +++++	Ave		0.1884				8.2		30.0			
Chlorobenzene	 0.3407	 0.2838	0.2978 0.2847	0.3181 0.3025	0.2937 0.3064	Ave		0.3035				6.2		30.0			
Ethylbenzene	0.5367 0.5549	0.4592 +++++	0.4378 0.4806	0.4366 +++++	0.4816 +++++	Ave		0.4839				9.5		30.0			
m-Xylene & p-Xylene	0.1878 0.2200	0.1648 +++++	0.1689 0.1808	0.1723 +++++	0.1785 +++++	Ave		0.1819				10.2		30.0			
o-Xylene	0.2253 0.2032	0.1613 +++++	0.1893 0.1791	0.1718 +++++	0.1672 +++++	Ave		0.1853				12.2		30.0			
Bromoform	0.1924 0.2085	0.1263 +++++	0.1495 0.1903	0.1474 +++++	0.1592 +++++	Ave		0.1676				17.7		30.0			
1,1,2,2-Tetrachloroethane	0.3591 0.3438	0.2808 +++++	0.2774 0.2955	0.2757 +++++	0.2941 +++++	Ave		0.3038				11.1		30.0			
4-Ethyltoluene	0.4867 0.6097	0.3359 +++++	0.4008 +++++	0.4099 +++++	0.4848 +++++	Ave		0.4546				20.9		30.0			
1,3,5-Trimethylbenzene	 0.5139	0.3160 +++++	0.3448 +++++	0.3151 +++++	0.3841 +++++	Ave		0.3748				22.1		30.0			
1,2,4-Trimethylbenzene	 0.4867	 0.3633	0.2528 0.4430	0.3027 0.4717	0.3271 0.4666	Ave		0.3892				22.9		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.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61363/4	efz004.d
Level 2	IC 200-61363/5	efz005.d
Level 3	IC 200-61363/6	efz006.d
Level 4	IC 200-61363/7	efz007.d
Level 5	ICIS 200-61363/8	efz008.d
Level 6	IC 200-61363/9	efz009.d
Level 7	IC 200-61363/10	efz010.d
Level 8	IC 200-61363/11	efz011.d
Level 9	IC 200-61363/12	efz012.d
Level 10	IC 200-61363/13	efz013.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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave	10365 444229	18456 +++++	33854 913364	90569 +++++	183932 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichlorotetrafluoroethane	BCM	Ave	8020 407798	14700 +++++	28773 850844	84761 +++++	172048 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloromethane	BCM	Ave	94522	136510	169699	21200 256613	39389 342963	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Vinyl chloride	BCM	Ave	98130	3983 +++++	8305 194355	20204 +++++	40278 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	62801	2050 +++++	5582 120147	14356 +++++	25637 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave	123686	5669 +++++	11228 229449	25476 +++++	49149 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroethane	BCM	Ave	46223	2289 +++++	4436 90431	8759 +++++	18552 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoethene(Vinyl Bromide)	BCM	Ave	132097	6850 +++++	10724 267134	28582 +++++	53263 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	9113 391422	16418 +++++	30745 775848	76527 +++++	152467 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethene	BCM	Ave	3598 89376	3863 +++++	8055 174989	16342 +++++	32750 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	99415	3374 +++++	7602 202386	20836 +++++	36527 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	125000	166228	220005	28942 321290	50420 473587	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	6916 278537	10446 +++++	18847 482286	42567 +++++	96218 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,2-Dichloroethene	BCM	Ave	5509 141075	5229 +++++	12707 284260	28730 +++++	54102 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
n-Hexane	BCM	Ave	137422	5755 +++++	8440 268028	25286 +++++	52890 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethane	BCM	Ave	6006 184663	6991 +++++	14711 343133	37008 +++++	74233 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	2514 97802	4124 +++++	8872 182786	16190 +++++	37798 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave	6753 231276	9787 +++++	18142 415222	41914 +++++	84241 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave	5994 228546	10382 +++++	17824 457168	44723 +++++	91763 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Cyclohexane	DFB	Ave	4955 124104	5257 +++++	10686 247224	24378 +++++	51154 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Carbon tetrachloride	DFB	Ave	4793 236096	9451 +++++	16376 460227	44131 +++++	91337 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
2,2,4-Trimethylpentane	DFB	Ave	9184 414600	18955 +++++	32669 837136	76931 +++++	170506 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	7164 294147	13027 +++++	21365 528994	52889 +++++	110936 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	153075	6274 +++++	11661 280197	28182 +++++	56458 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
n-Heptane	DFB	Ave	4692 150455	6718 +++++	12531 295616	28957 +++++	56822 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	3335 131104	7143 +++++	11426 238566	24442 +++++	45845 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave	106142	5475 +++++	8796 188692	18559 +++++	39025 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromodichloromethane	DFB	Ave	4656 230981	8846 +++++	15135 429207	36431 +++++	82046 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,3-Dichloropropene	DFB	Ave	3782 144897	5917 +++++	10704 267055	24768 +++++	49725 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Toluene	CBZ	Ave	5334 202722	8142 +++++	14840 372730	33449 +++++	71153 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	4334 150338	5344 +++++	9612 274557	22985 +++++	49466 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave	2972 104974	4397 +++++	7606 189392	17729 +++++	38105 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Tetrachloroethene	CBZ	Ave	4600 162652	6813 +++++	11072 306151	30278 +++++	55901 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Dibromochloromethane	CBZ	Ave	3632 190686	6438 +++++	12965 361485	30261 +++++	64770 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	3517 174834	6068 +++++	11641 314985	27545 +++++	54878 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-19497-1 Analy Batch No.: 61363

SDG No.: 200-19497-1

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/13/2013 14:25 Calibration End Date: 09/13/2013 22:37 Calibration ID: 23305

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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chlorobenzene	CBZ	Ave	270026	334937	19023 483071	48312 758490	91684 1119595	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00
Ethylbenzene	CBZ	Ave	9701 439714	15612 +++++	27966 815295	66309 +++++	150328 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
m-Xylene & p-Xylene	CBZ	Ave	6790 348630	11208 +++++	21579 613525	52342 +++++	111416 +++++	0.0200 1.00	0.0400 +++++	0.0800 2.00	0.200 +++++	0.400 +++++
o-Xylene	CBZ	Ave	4072 160994	5483 +++++	12092 303835	26096 +++++	52200 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoform	CBZ	Ave	3477 165192	4294 +++++	9547 322842	22381 +++++	49698 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	6491 272480	9548 +++++	17720 501338	41877 +++++	91795 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
4-Ethyltoluene	CBZ	Ave	8797 483210	11420 +++++	25603 +++++	62253 +++++	151332 +++++	0.0100 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	407219	10742 +++++	22022 +++++	47867 +++++	119893 +++++	0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,2,4-Trimethylbenzene	CBZ	Ave	385719	428710	16148 751499	45977 1182772	102108 1705185	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz004.d
Lab Smp Id: ic 556614
Inj Date : 13-SEP-2013 14:25
Operator : wrd Inst ID: E.i
Smp Info : ic 556614
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:10 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 14:25 Cal File: efz004.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	10365	0.01000	0.010
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	8020	0.01000	0.0090(aQ)
5 Chloromethane	50	3.522	3.522	(0.355)	4659	0.01000	0.022(a)
7 Vinyl chloride	62	3.725	3.730	(0.376)	2507	0.01000	0.011(aQ)
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	4.410	4.399	(0.445)	6219	0.01000	0.022(Q)
10 Chloroethane	64	4.592	4.602	(0.463)	1819	0.01000	0.016(aQ)
12 Vinyl bromide	106	4.971	4.977	(0.502)	4554	0.01000	0.014(a)
13 Trichlorofluoromethane	101	5.073	5.084	(0.512)	9113	0.01000	0.010
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.213	(0.628)	5864	0.01000	0.013(aQ)
19 1,1-Dichloroethene	96	6.255	6.266	(0.631)	3598	0.01000	0.016(Q)
22 Allyl chloride	41	7.052	7.058	(0.712)	2715	0.01000	0.013(a)
25 Methylene chloride	49	7.341	7.347	(0.741)	12318	0.01000	0.046(a)
27 1,2-Dichloroethene (trans)	61	7.769	7.780	(0.784)	5509	0.01000	0.016

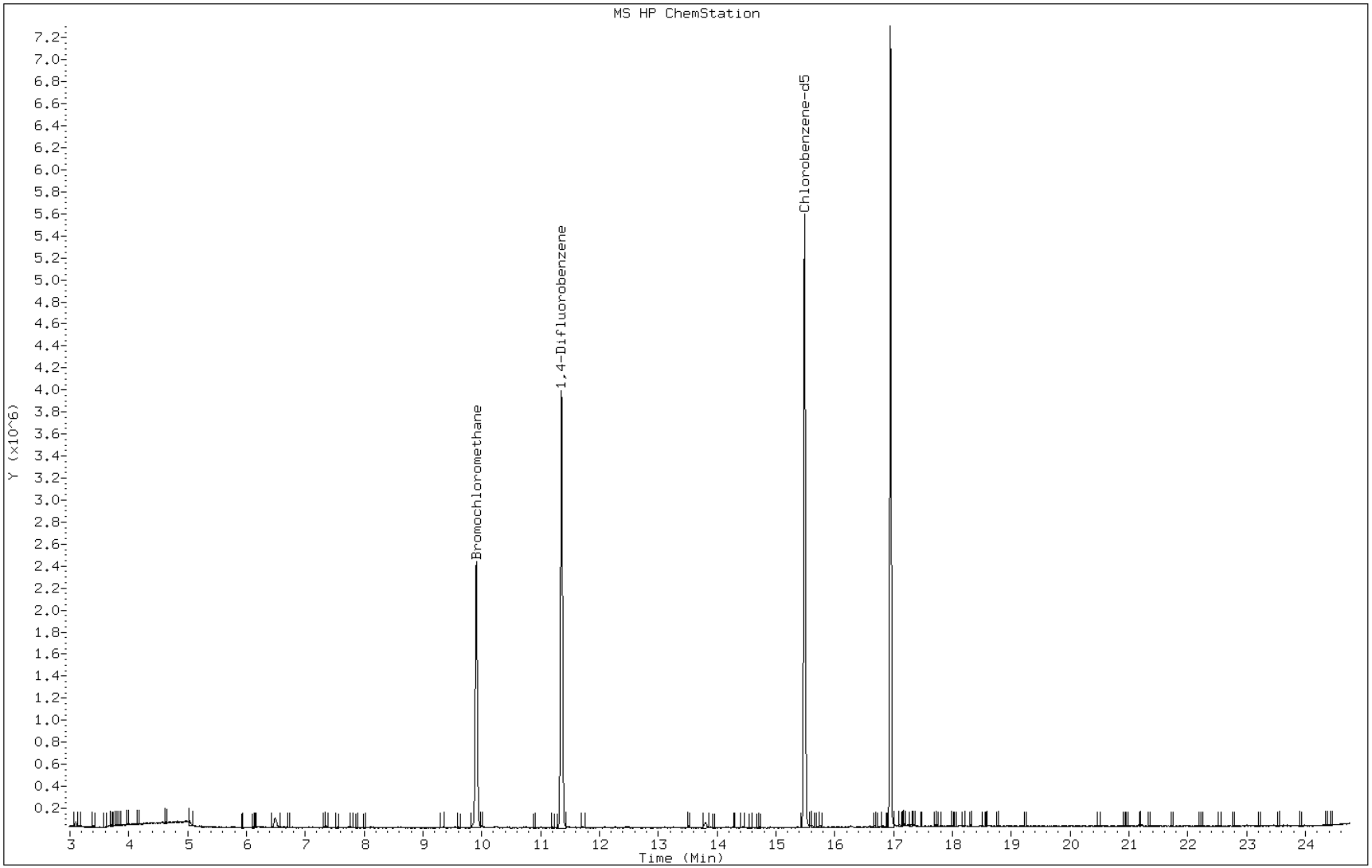
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.732	(0.780)	6916	0.01000	0.012(QMH)
	30 n-Hexane	57	8.138	8.133	(0.821)	3888	0.01000	0.013(aM)
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	6006	0.01000	0.014
M	33 1,2-Dichloroethene, Total	61				8023	0.02000	0.027
	34 1,2-Dichloroethene (cis)	96	9.519	9.535	(0.961)	2514	0.01000	0.011
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	788005	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	6753	0.01000	0.013
	40 Cyclohexane	84	10.252	10.241	(0.903)	4955	0.01000	0.016(Q)
	41 1,1,1-Trichloroethane	97	10.230	10.236	(0.901)	5994	0.01000	0.011(Q)
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	4793	0.01000	0.0095(aQ)
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	9184	0.01000	0.0098(a)
	44 Benzene	78	10.797	10.787	(0.951)	7164	0.01000	0.011
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	3981	0.01000	0.012(aM)
	46 n-Heptane	43	11.011	11.011	(0.970)	4692	0.01000	0.013(M)
*	47 1,4-Difluorobenzene	114	11.354	11.359	(1.000)	3949874	2.00000	
	49 Trichloroethene	95	11.707	11.723	(1.031)	3335	0.01000	0.011(M)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	12.461	12.467	(1.098)	4656	0.01000	0.010(Q)
	55 1,3-Dichloropropene (cis)	75	13.108	13.098	(1.155)	3782	0.01000	0.012
	58 Toluene	92	13.504	13.515	(0.872)	5334	0.01000	0.012
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	4334	0.01000	0.014
	60 1,1,2-Trichloroethane	83	14.184	14.168	(0.916)	2972	0.01000	0.013(M)
	61 Tetrachloroethene	166	14.291	14.291	(0.923)	4600	0.01000	0.013(M)
	63 Dibromochloromethane	129	14.724	14.729	(0.951)	3632	0.01000	0.0097(aQ)
	64 1,2-Dibromoethane	107	14.911	14.922	(0.963)	3517	0.01000	0.010
*	65 Chlorobenzene-d5	117	15.489	15.494	(1.000)	3615275	2.00000	
	66 Chlorobenzene	112	15.516	15.532	(1.002)	6191	0.01000	0.011(aQH)
	67 Ethylbenzene	91	15.596	15.601	(1.007)	9701	0.01000	0.011
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	6790	0.02000	0.021
M	70 Xylene, Total	106				10862	0.03000	0.033
	71 Xylene (o)	106	16.270	16.270	(1.050)	4072	0.01000	0.012(Q)
	73 Bromoform	173	16.575	16.597	(1.070)	3477	0.01000	0.011(M)
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.105)	6491	0.01000	0.012
	79 4-Ethyltoluene	105	17.302	17.303	(1.117)	8797	0.01000	0.011
	81 1,3,5-Trimethylbenzene	105	17.356	17.367	(1.121)	6873	0.01000	0.010(a)
	84 1,2,4-Trimethylbenzene	105	17.795	17.806	(1.149)	6379	0.01000	0.0091(aH)

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.
H - Operator selected an alternate compound hit.

Data File: efz004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 556614
Lab Sample ID: ic 556614

Date: 13-SEP-2013 14:25
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 28 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 09/19/2013

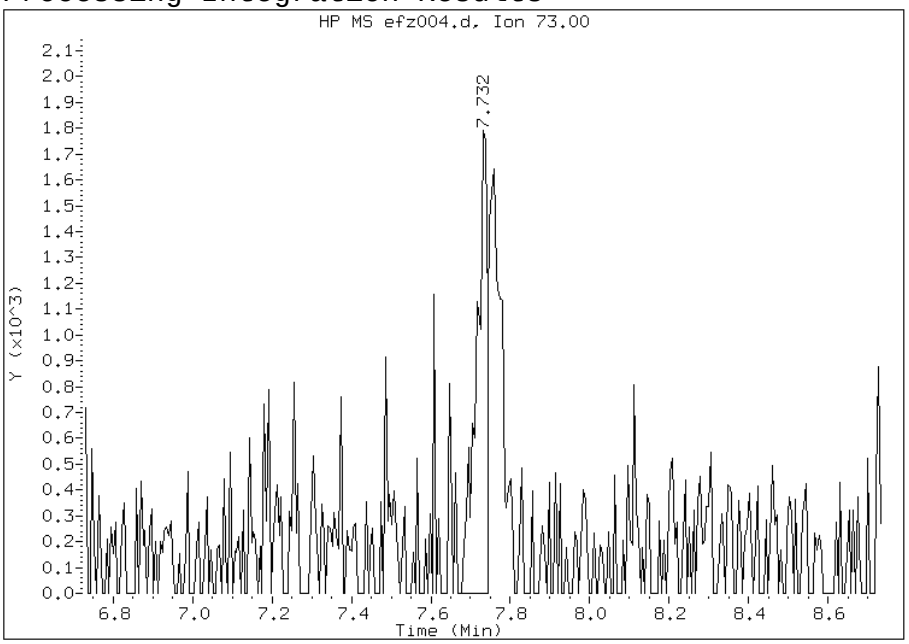
Processing Integration Results

RT: 7.73

Response: 3364

Amount: 0.006493

Conc: 0.006493



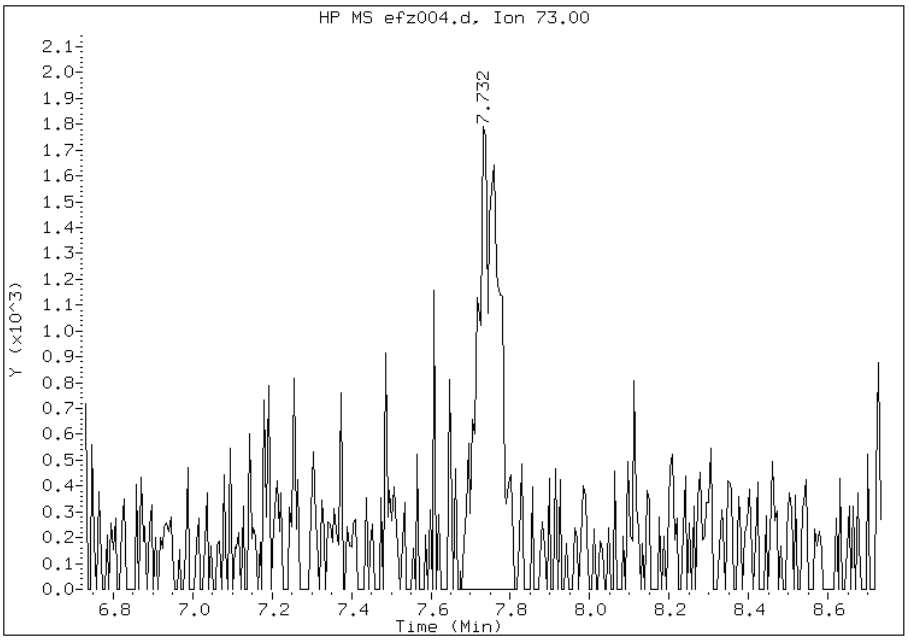
Manual Integration Results

RT: 7.73

Response: 6916

Amount: 0.012158

Conc: 0.012158



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 46 n-Heptane
CAS #: 142-82-5
Report Date: 09/19/2013

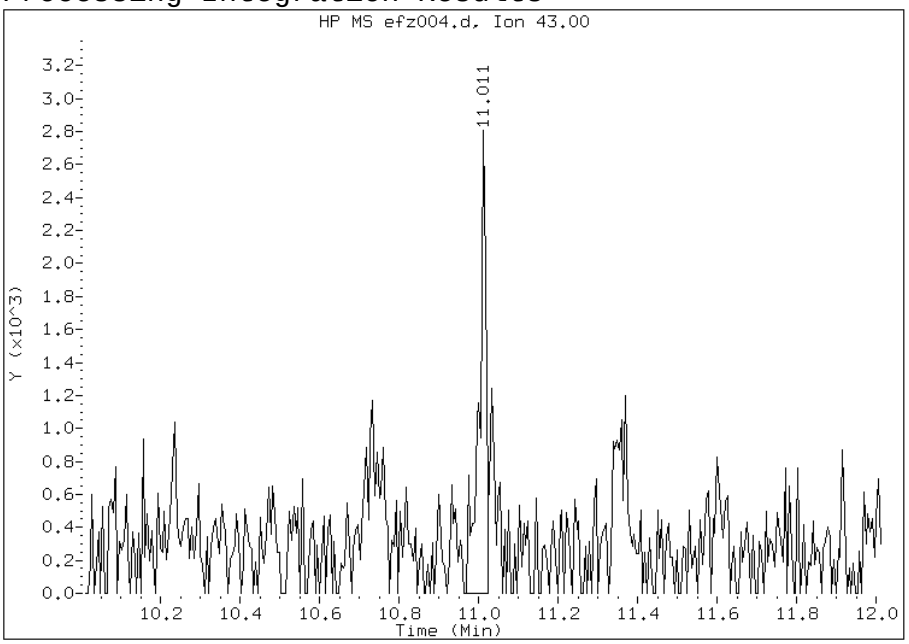
Processing Integration Results

RT: 11.01

Response: 3329

Amount: 0.009809

Conc: 0.009809



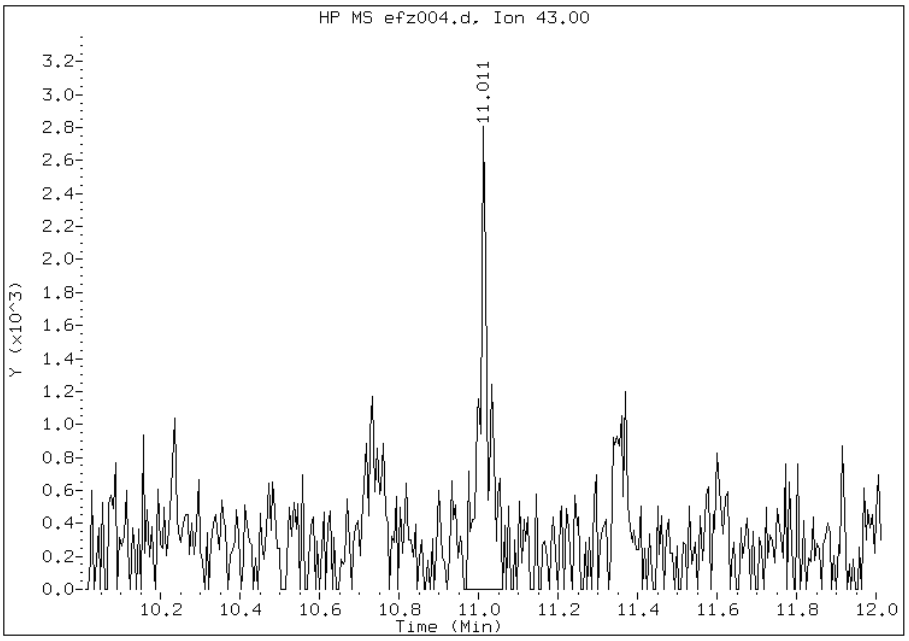
Manual Integration Results

RT: 11.01

Response: 4692

Amount: 0.013075

Conc: 0.013075



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 49 Trichloroethene
CAS #: 79-01-6
Report Date: 09/19/2013

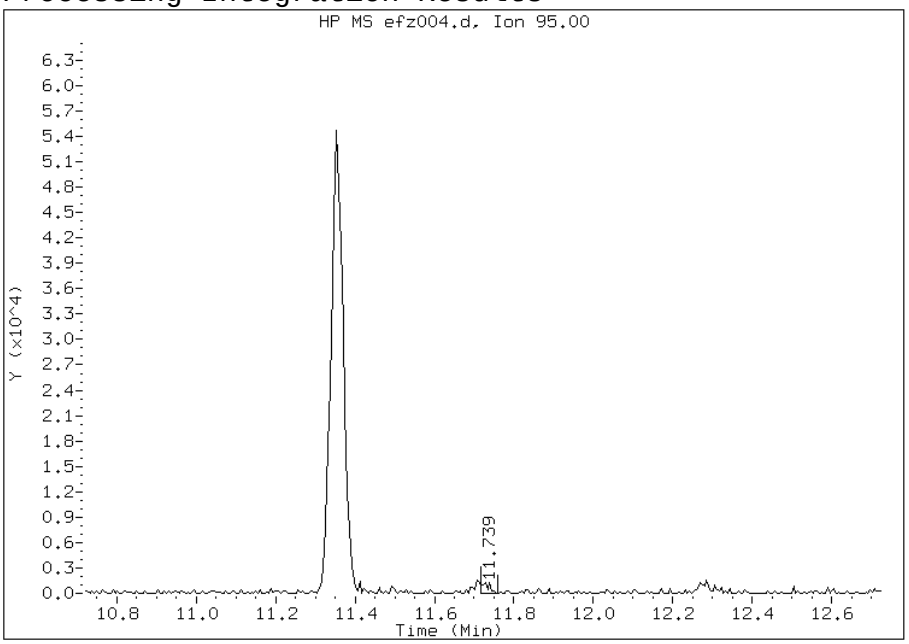
Processing Integration Results

RT: 11.74

Response: 1790

Amount: 0.006294

Conc: 0.006294



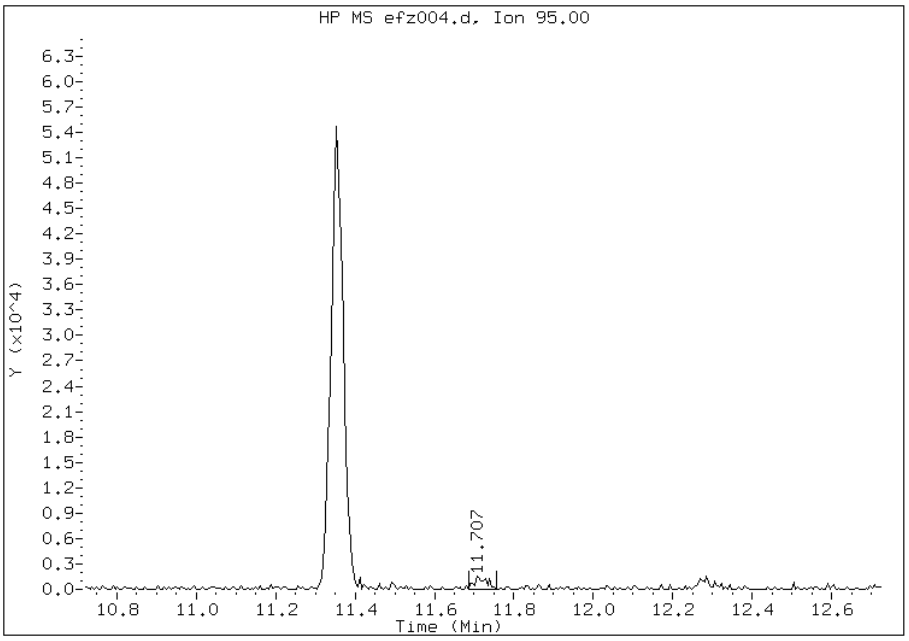
Manual Integration Results

RT: 11.71

Response: 3335

Amount: 0.010882

Conc: 0.010882



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 09/19/2013

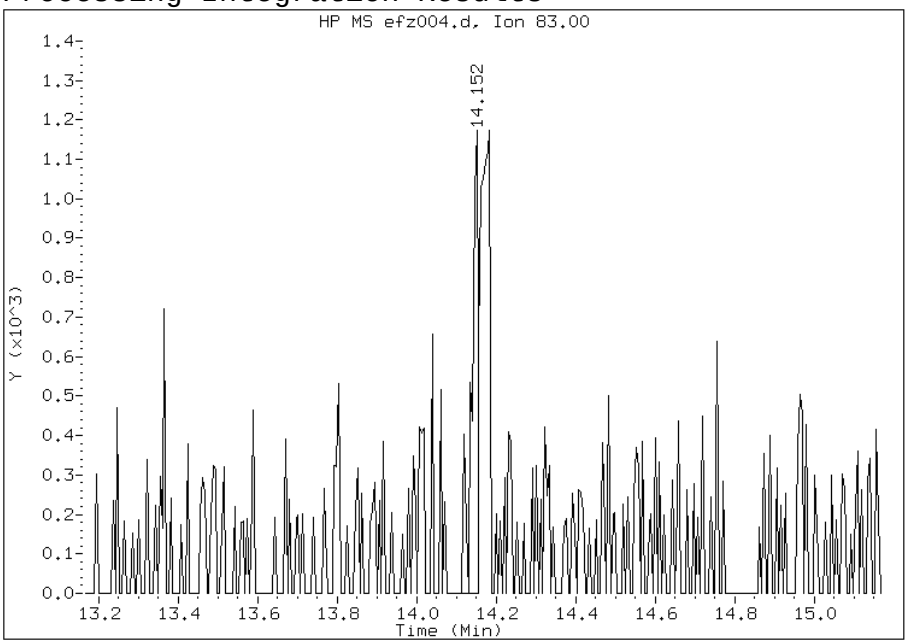
Processing Integration Results

RT: 14.15

Response: 1401

Amount: 0.007210

Conc: 0.007210



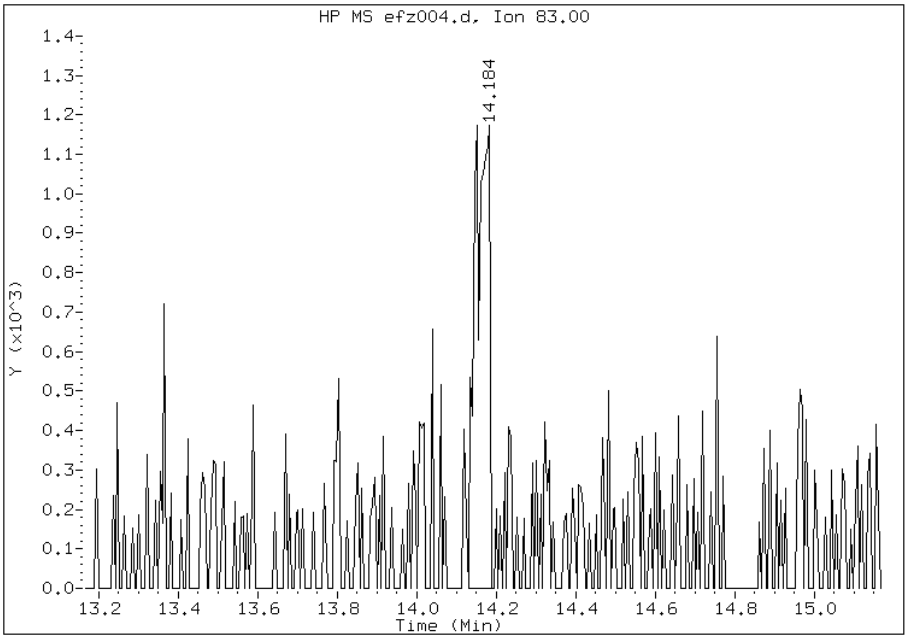
Manual Integration Results

RT: 14.18

Response: 2972

Amount: 0.012849

Conc: 0.012849



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 61 Tetrachloroethene
CAS #: 127-18-4
Report Date: 09/19/2013

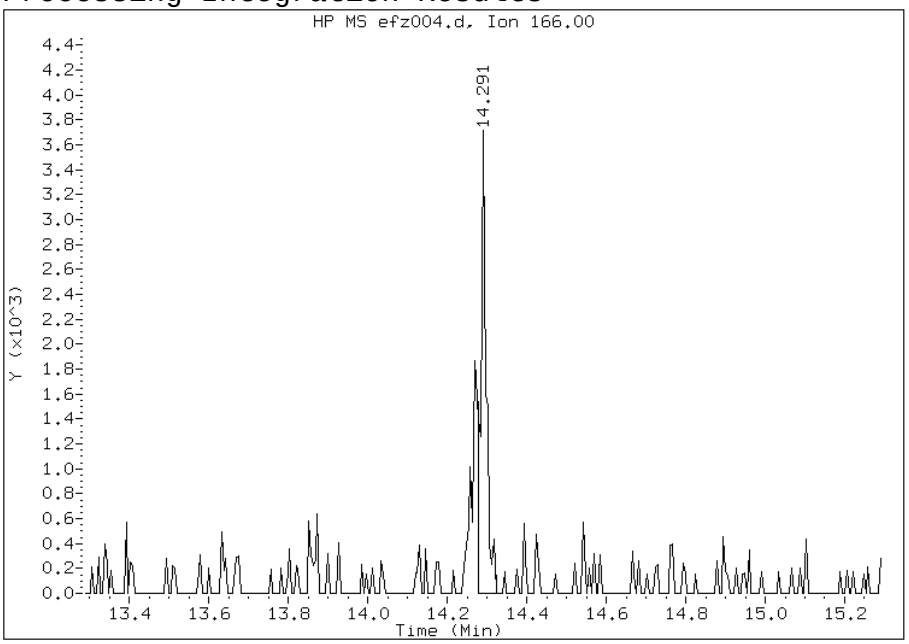
Processing Integration Results

RT: 14.29

Response: 3388

Amount: 0.009900

Conc: 0.009900



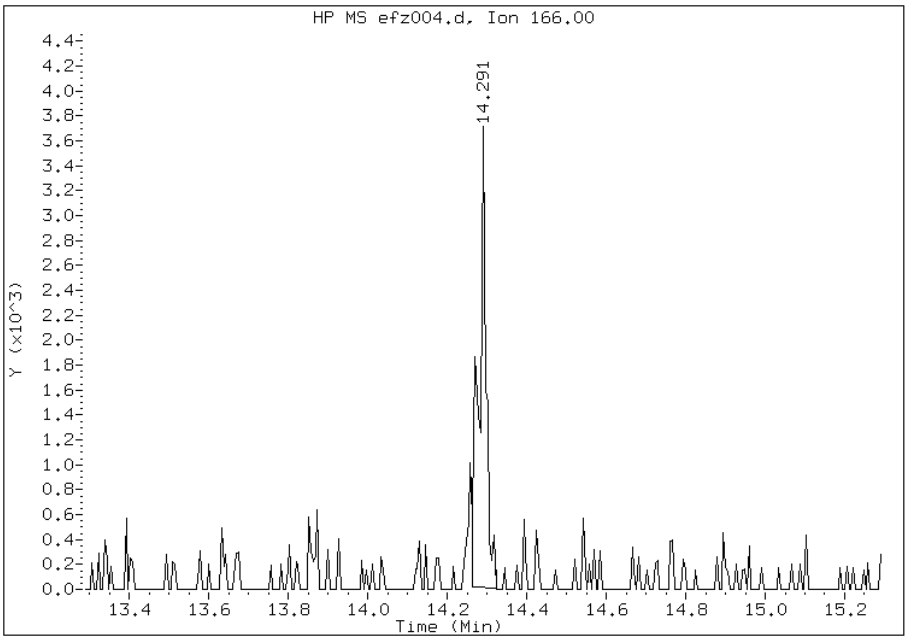
Manual Integration Results

RT: 14.29

Response: 4600

Amount: 0.012794

Conc: 0.012794



File Uploaded By: wrd
Manual Integration Reason: Baseline event

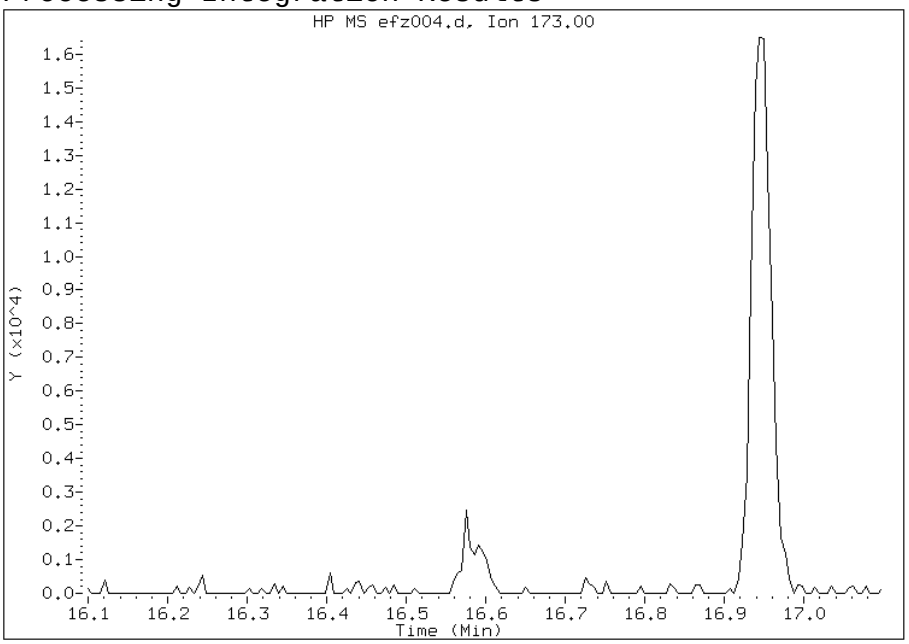
Manual Integration Report

Data File: efz004.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 14:25
Instrument ID: E.i
Client ID:
Compound: 73 Bromoform
CAS #: 75-25-2
Report Date: 09/19/2013

Processing Integration Results

Not Detected

Expected RT: 16.60



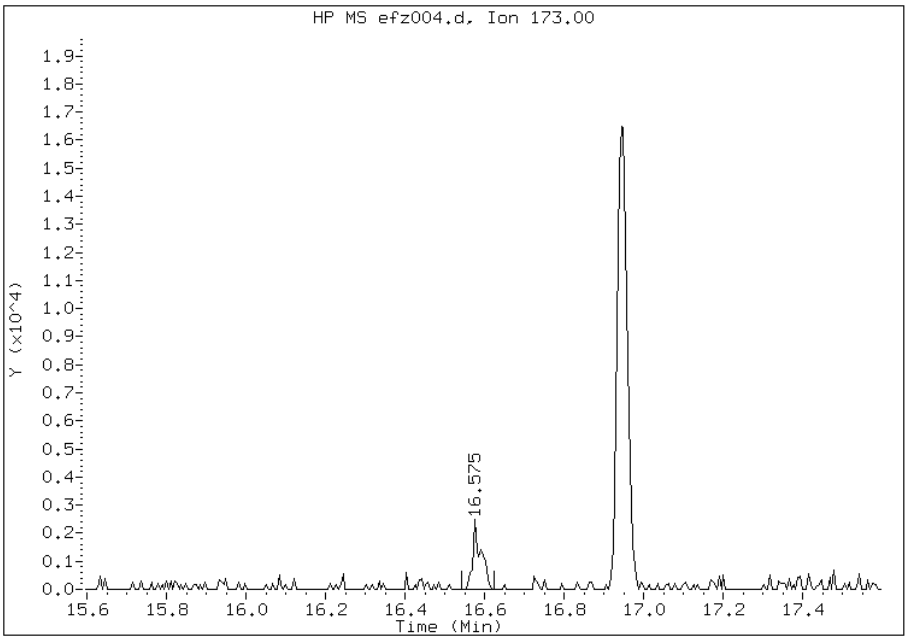
Manual Integration Results

RT: 16.57

Response: 3477

Amount: 0.011475

Conc: 0.011475



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz005.d
Lab Smp Id: ic 556614
Inj Date : 13-SEP-2013 15:20
Operator : wrd Inst ID: E.i
Smp Info : ic 556614
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:10 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 15:20 Cal File: efz005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

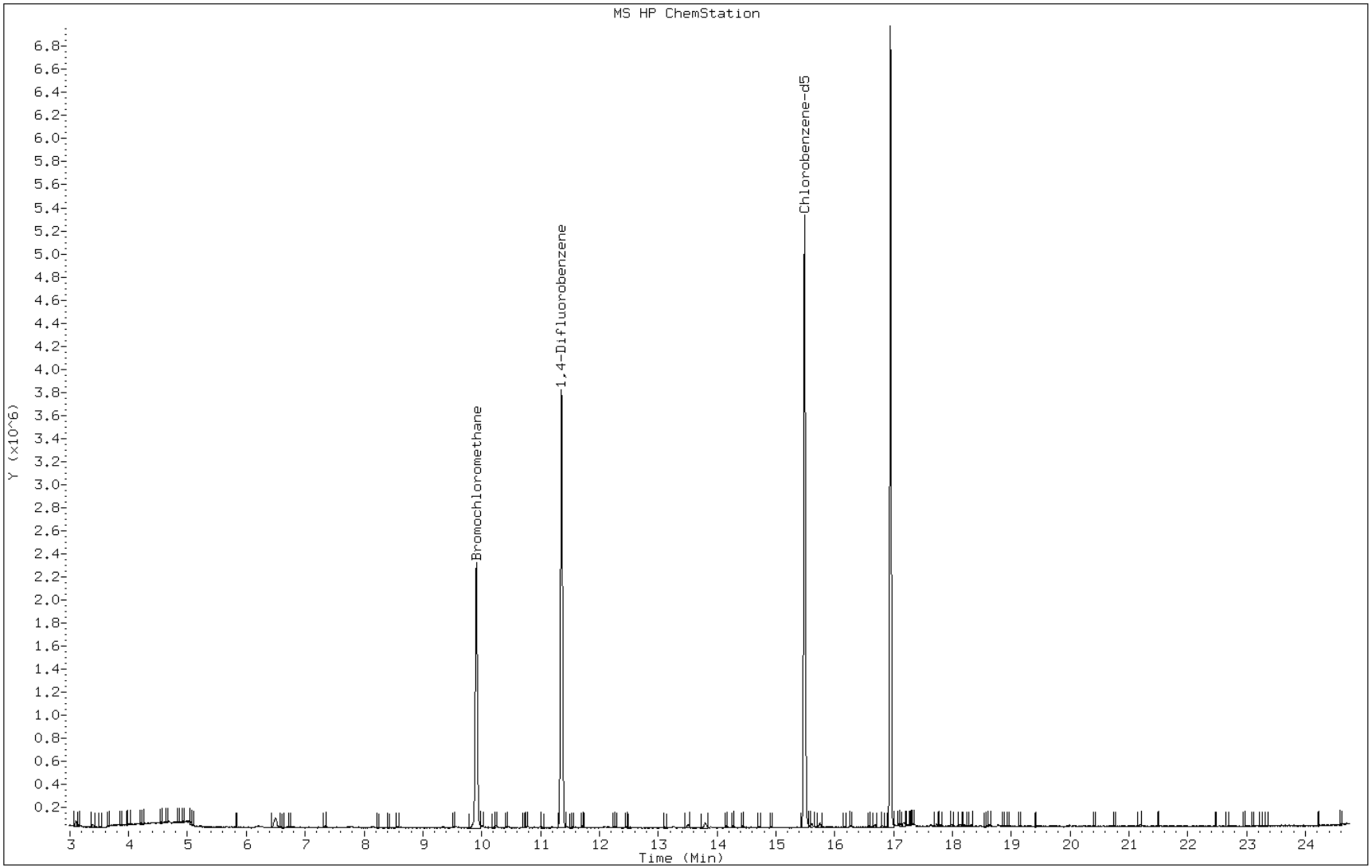
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	18456	0.02000	0.019
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	14700	0.02000	0.017
5 Chloromethane	50	3.522	3.522	(0.355)	5546	0.02000	0.028(aQH)
7 Vinyl chloride	62	3.730	3.730	(0.376)	3983	0.02000	0.019(a)
8 1,3-Butadiene	54	3.795	3.795	(0.383)	2050	0.02000	0.015(a)
9 Bromomethane	94	4.415	4.399	(0.446)	5669	0.02000	0.021
10 Chloroethane	64	4.602	4.602	(0.464)	2289	0.02000	0.022(Q)
12 Vinyl bromide	106	4.988	4.977	(0.503)	6850	0.02000	0.023
13 Trichlorofluoromethane	101	5.084	5.084	(0.513)	16418	0.02000	0.020
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.213	(0.627)	8660	0.02000	0.020(aM)
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	3863	0.02000	0.018(QM)
22 Allyl chloride	41	7.074	7.058	(0.714)	3374	0.02000	0.016(a)
25 Methylene chloride	49	7.347	7.347	(0.741)	13843	0.02000	0.054(a)
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	5229	0.02000	0.016(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.732	(0.781)	10446	0.02000	0.019
	30 n-Hexane	57	8.128	8.133	(0.820)	5755	0.02000	0.021(M)
	31 1,1-Dichloroethane	63	8.588	8.577	(0.867)	6991	0.02000	0.017
M	33 1,2-Dichloroethene, Total	61				9353	0.04000	0.035
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	4124	0.02000	0.020
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	747806	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	9787	0.02000	0.020
	40 Cyclohexane	84	10.252	10.241	(0.903)	5257	0.02000	0.018(Q)
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	10382	0.02000	0.021
	42 Carbon tetrachloride	117	10.423	10.450	(0.918)	9451	0.02000	0.020
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	18955	0.02000	0.021
	44 Benzene	78	10.781	10.787	(0.950)	13027	0.02000	0.021
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	6274	0.02000	0.020
	46 n-Heptane	43	11.017	11.011	(0.970)	6718	0.02000	0.020
*	47 1,4-Difluorobenzene	114	11.354	11.359	(1.000)	3715826	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	7143	0.02000	0.025(Q)
	50 1,2-Dichloropropane	63	12.092	12.097	(1.065)	5475	0.02000	0.024(QM)
	54 Bromodichloromethane	83	12.461	12.467	(1.098)	8846	0.02000	0.020(Q)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.154)	5917	0.02000	0.020
	58 Toluene	92	13.520	13.515	(0.873)	8142	0.02000	0.020
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	5344	0.02000	0.018
	60 1,1,2-Trichloroethane	83	14.152	14.168	(0.914)	4397	0.02000	0.020(M)
	61 Tetrachloroethene	166	14.275	14.291	(0.922)	6813	0.02000	0.020
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	6438	0.02000	0.018
	64 1,2-Dibromoethane	107	14.911	14.922	(0.963)	6068	0.02000	0.019
*	65 Chlorobenzene-d5	117	15.489	15.494	(1.000)	3399876	2.00000	
	66 Chlorobenzene	112	15.527	15.532	(1.002)	10926	0.02000	0.021(aQ)
	67 Ethylbenzene	91	15.601	15.601	(1.007)	15612	0.02000	0.019
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	11208	0.04000	0.036
M	70 Xylene, Total	106				16691	0.06000	0.054
	71 Xylene (o)	106	16.276	16.270	(1.051)	5483	0.02000	0.017
	73 Bromoform	173	16.580	16.597	(1.070)	4294	0.02000	0.015
	75 1,1,2,2-Tetrachloroethane	83	17.094	17.110	(1.104)	9548	0.02000	0.018
	79 4-Ethyltoluene	105	17.292	17.303	(1.116)	11420	0.02000	0.015
	81 1,3,5-Trimethylbenzene	105	17.361	17.367	(1.121)	10742	0.02000	0.017(a)
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.150)	10334	0.02000	0.016(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.
H - Operator selected an alternate compound hit.

Data File:	efz005.d	Date:	13-SEP-2013 15:20
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 556614		
Lab Sample ID:	ic 556614		



Manual Integration Report

Data File: efz005.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 15:20
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 09/19/2013

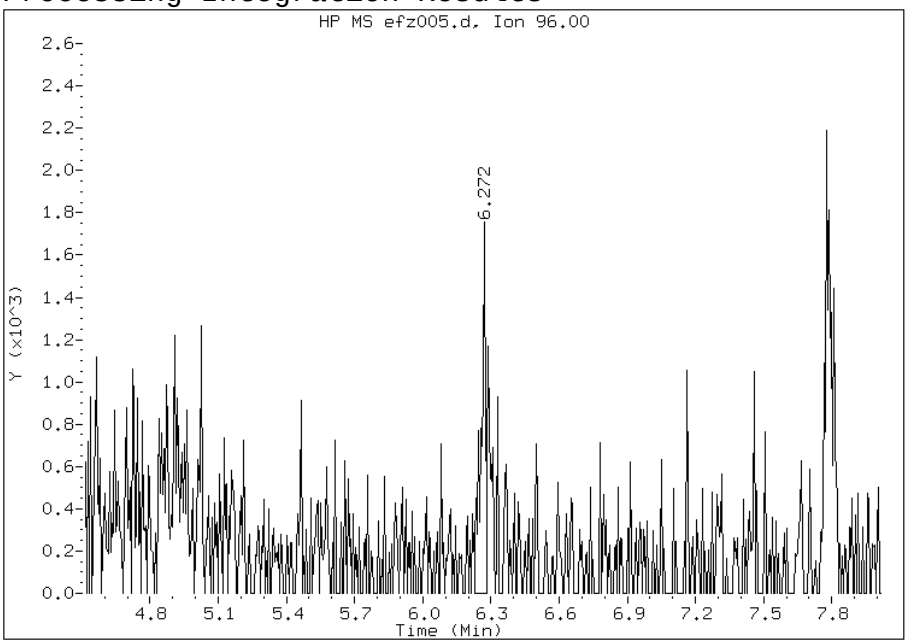
Processing Integration Results

RT: 6.27

Response: 2415

Amount: 0.011977

Conc: 0.011977



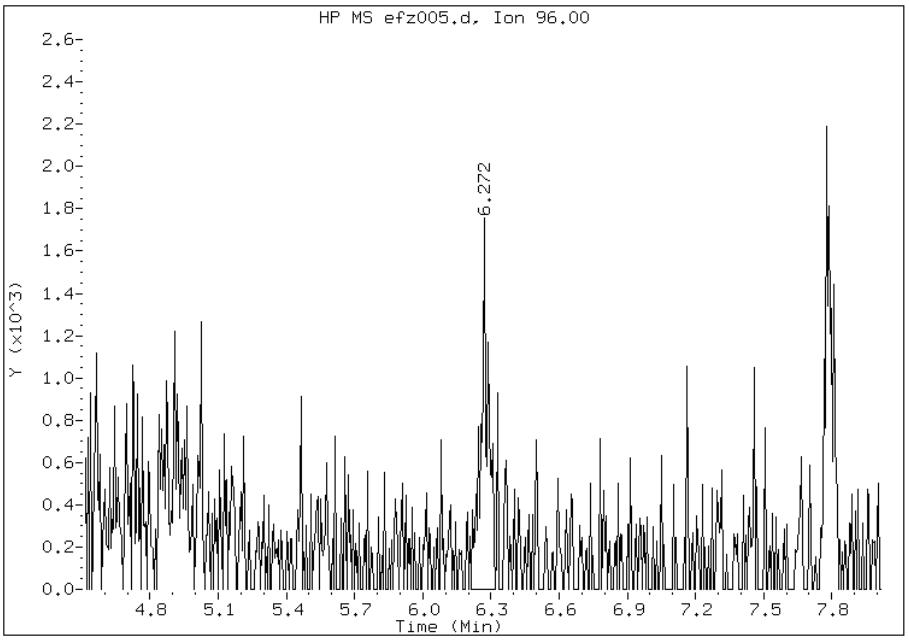
Manual Integration Results

RT: 6.27

Response: 3863

Amount: 0.018224

Conc: 0.018224



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz005.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 15:20
Instrument ID: E.i
Client ID:
Compound: 30 n-Hexane
CAS #: 110-54-3
Report Date: 09/19/2013

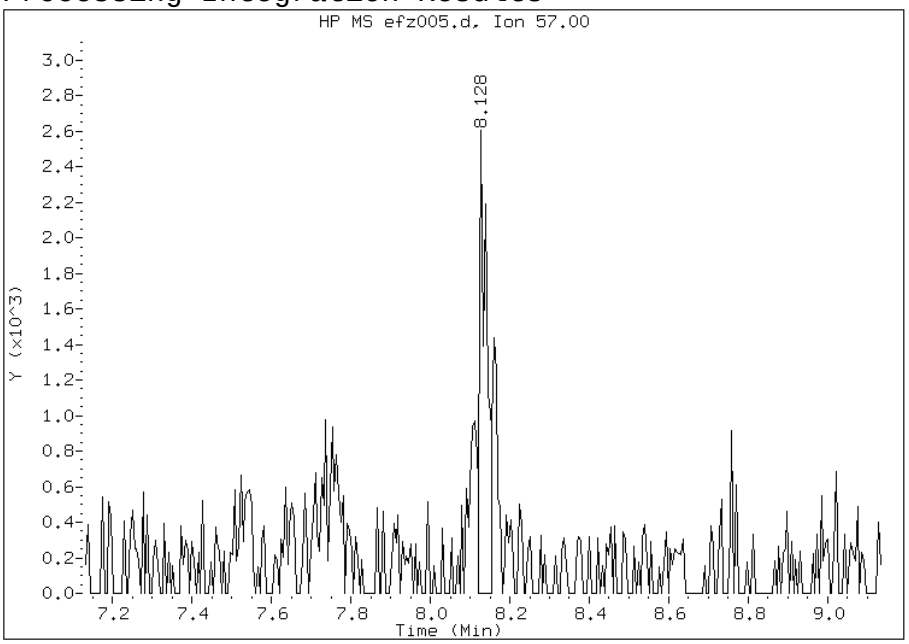
Processing Integration Results

RT: 8.13

Response: 3192

Amount: 0.012528

Conc: 0.012528



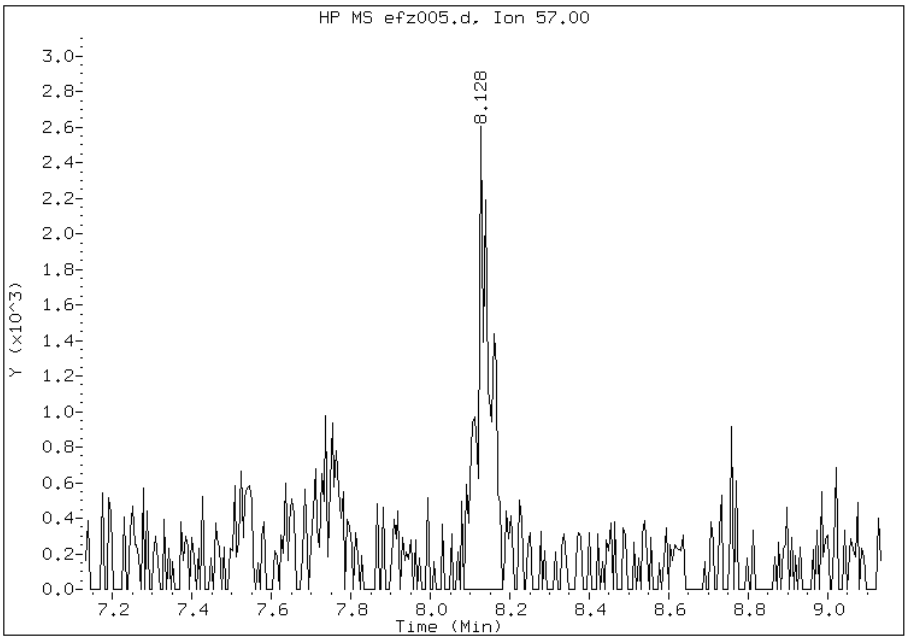
Manual Integration Results

RT: 8.13

Response: 5755

Amount: 0.020841

Conc: 0.020841



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz005.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 15:20
Instrument ID: E.i
Client ID:
Compound: 50 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 09/19/2013

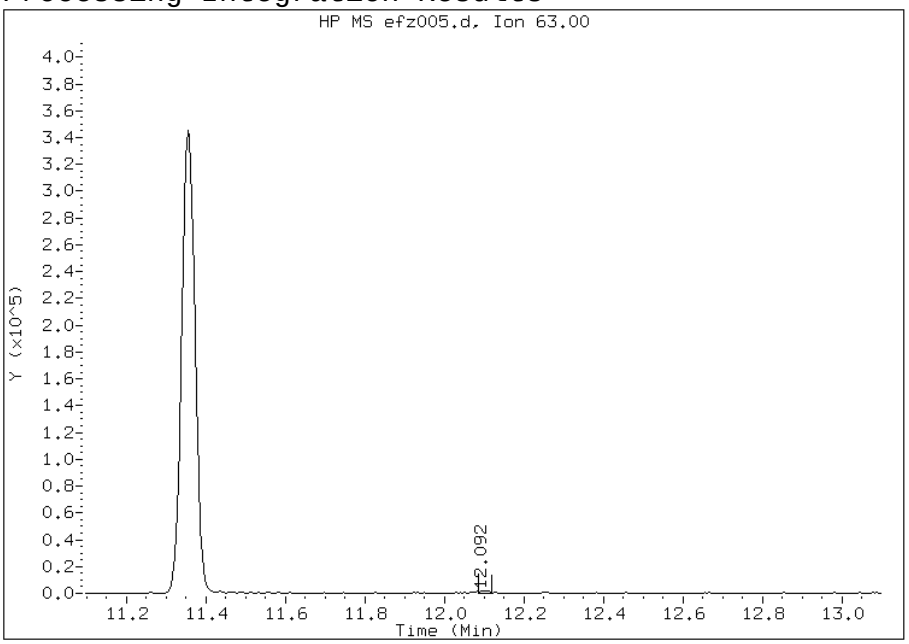
Processing Integration Results

RT: 12.09

Response: 3206

Amount: 0.015623

Conc: 0.015623



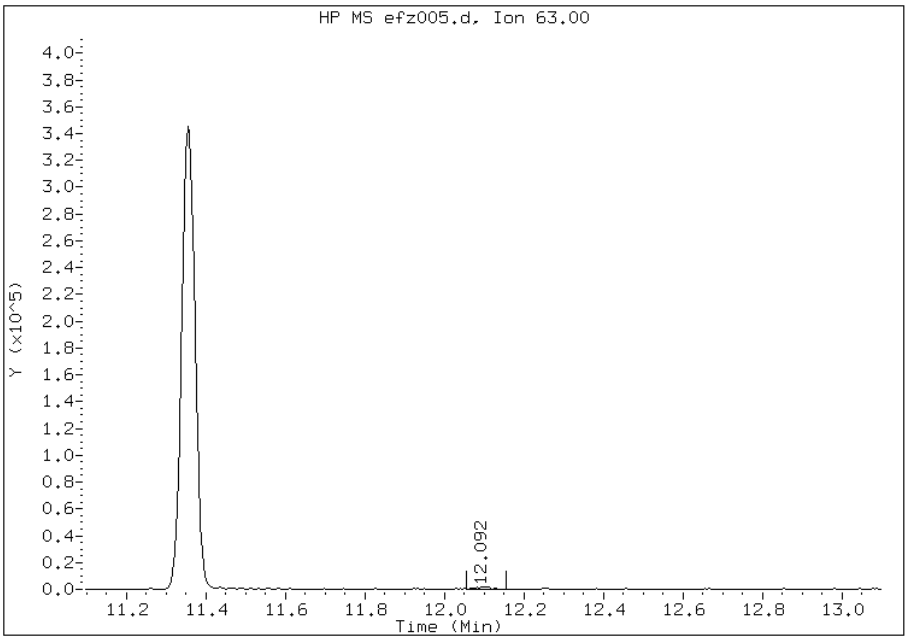
Manual Integration Results

RT: 12.09

Response: 5475

Amount: 0.024429

Conc: 0.024429



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efz005.d
Lab Sample ID: ic 556614
Inj. Date and Time: 13-SEP-2013 15:20
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 09/19/2013

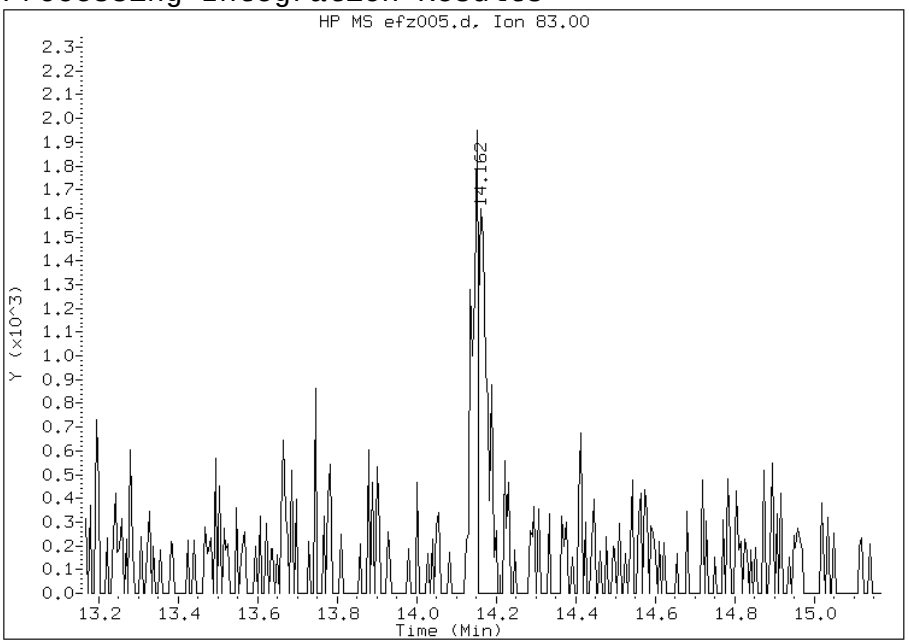
Processing Integration Results

RT: 14.16

Response: 2482

Amount: 0.012176

Conc: 0.012176



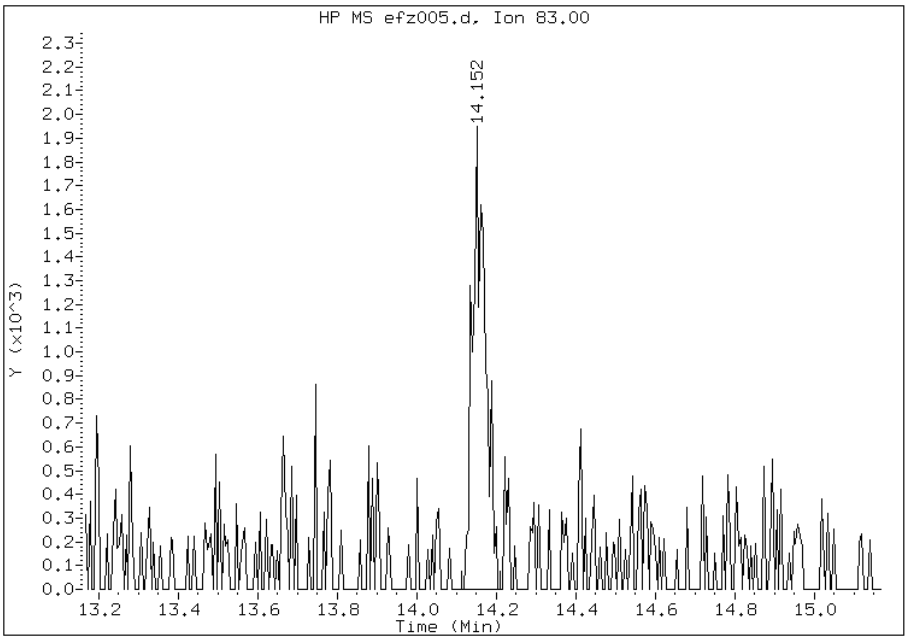
Manual Integration Results

RT: 14.15

Response: 4397

Amount: 0.020214

Conc: 0.020214



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz006.d
Lab Smp Id: ic 556614
Inj Date : 13-SEP-2013 16:15
Operator : wrd Inst ID: E.i
Smp Info : ic 556614
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 16:15 Cal File: efz006.d
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	33854	0.04000	0.038
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	28773	0.04000	0.036
5 Chloromethane	50	3.522	3.522	(0.355)	9194	0.04000	0.050(a)
7 Vinyl chloride	62	3.736	3.730	(0.377)	8305	0.04000	0.042
8 1,3-Butadiene	54	3.795	3.795	(0.383)	5582	0.04000	0.044
9 Bromomethane	94	4.399	4.399	(0.444)	11228	0.04000	0.044
10 Chloroethane	64	4.613	4.602	(0.466)	4436	0.04000	0.045
12 Vinyl bromide	106	4.987	4.977	(0.503)	10724	0.04000	0.038
13 Trichlorofluoromethane	101	5.084	5.084	(0.513)	30745	0.04000	0.039
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.213	(0.627)	15525	0.04000	0.038(a)
19 1,1-Dichloroethene	96	6.261	6.266	(0.632)	8055	0.04000	0.040(Q)
22 Allyl chloride	41	7.052	7.058	(0.712)	7602	0.04000	0.040
25 Methylene chloride	49	7.347	7.347	(0.741)	19992	0.04000	0.083(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.780	(0.786)	12707	0.04000	0.040

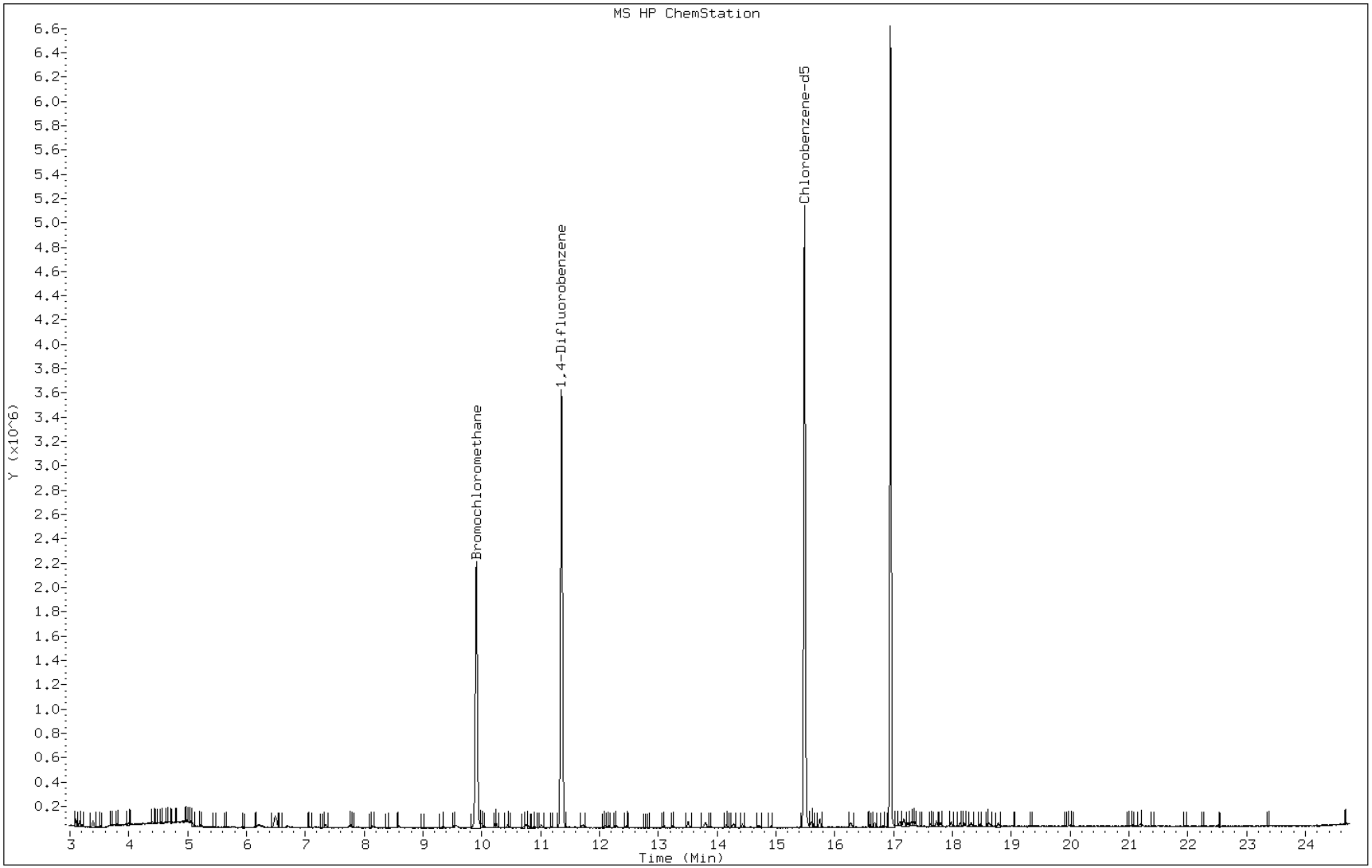
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.753	7.732	(0.782)	18847	0.04000	0.037
	30 n-Hexane	57	8.138	8.133	(0.821)	8440	0.04000	0.032
	31 1,1-Dichloroethane	63	8.588	8.577	(0.867)	14711	0.04000	0.038
M	33 1,2-Dichloroethene, Total	61				21579	0.08000	0.086
	34 1,2-Dichloroethene (cis)	96	9.529	9.535	(0.962)	8872	0.04000	0.045
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	701935	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	18142	0.04000	0.039
	40 Cyclohexane	84	10.236	10.241	(0.902)	10686	0.04000	0.038(Q)
	41 1,1,1-Trichloroethane	97	10.246	10.236	(0.902)	17824	0.04000	0.038
	42 Carbon tetrachloride	117	10.444	10.450	(0.920)	16376	0.04000	0.037(Q)
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.947)	32669	0.04000	0.039
	44 Benzene	78	10.787	10.787	(0.950)	21365	0.04000	0.038
	45 1,2-Dichloroethane	62	10.894	10.899	(0.959)	11661	0.04000	0.040
	46 n-Heptane	43	11.011	11.011	(0.970)	12531	0.04000	0.040(Q)
*	47 1,4-Difluorobenzene	114	11.354	11.359	(1.000)	3483792	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	11426	0.04000	0.042(Q)
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	8796	0.04000	0.042
	54 Bromodichloromethane	83	12.461	12.467	(1.098)	15135	0.04000	0.037
	55 1,3-Dichloropropene (cis)	75	13.087	13.098	(1.153)	10704	0.04000	0.039
	58 Toluene	92	13.526	13.515	(0.874)	14840	0.04000	0.038
	59 1,3-Dichloropropene (trans)	75	13.895	13.900	(1.224)	9612	0.04000	0.035
	60 1,1,2-Trichloroethane	83	14.157	14.168	(0.914)	7606	0.04000	0.037
	61 Tetrachloroethene	166	14.285	14.291	(0.923)	11072	0.04000	0.035
	63 Dibromochloromethane	129	14.719	14.729	(0.951)	12965	0.04000	0.039
	64 1,2-Dibromoethane	107	14.922	14.922	(0.964)	11641	0.04000	0.039
*	65 Chlorobenzene-d5	117	15.484	15.494	(1.000)	3193830	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.003)	19023	0.04000	0.039(a)
	67 Ethylbenzene	91	15.596	15.601	(1.007)	27966	0.04000	0.036
	69 Xylene (m,p)	106	15.746	15.751	(1.017)	21579	0.08000	0.074
M	70 Xylene, Total	106				33671	0.12000	0.12
	71 Xylene (o)	106	16.259	16.270	(1.050)	12092	0.04000	0.041(Q)
	73 Bromoform	173	16.591	16.597	(1.072)	9547	0.04000	0.036
	75 1,1,2,2-Tetrachloroethane	83	17.105	17.110	(1.105)	17720	0.04000	0.036
	79 4-Ethyltoluene	105	17.292	17.303	(1.117)	25603	0.04000	0.035
	81 1,3,5-Trimethylbenzene	105	17.361	17.367	(1.121)	22022	0.04000	0.037
	84 1,2,4-Trimethylbenzene	105	17.805	17.806	(1.150)	16148	0.04000	0.026(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: efz006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 556614
Lab Sample ID: ic 556614

Date: 13-SEP-2013 16:15
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz007.d
Lab Smp Id: ic 556615
Inj Date : 13-SEP-2013 17:09
Operator : wrd Inst ID: E.i
Smp Info : ic 556615
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 17:09 Cal File: efz007.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	90569	0.10000	0.10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	84761	0.10000	0.11
5 Chloromethane	50	3.522	3.522	(0.355)	21200	0.10000	0.12
7 Vinyl chloride	62	3.730	3.730	(0.376)	20204	0.10000	0.11
8 1,3-Butadiene	54	3.794	3.795	(0.383)	14356	0.10000	0.12
9 Bromomethane	94	4.394	4.399	(0.443)	25476	0.10000	0.10
10 Chloroethane	64	4.608	4.602	(0.465)	8759	0.10000	0.094
12 Vinyl bromide	106	4.982	4.977	(0.503)	28582	0.10000	0.11
13 Trichlorofluoromethane	101	5.078	5.084	(0.512)	76527	0.10000	0.10
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.213	(0.626)	40495	0.10000	0.10
19 1,1-Dichloroethene	96	6.282	6.266	(0.634)	16342	0.10000	0.087
22 Allyl chloride	41	7.063	7.058	(0.713)	20836	0.10000	0.11
25 Methylene chloride	49	7.352	7.347	(0.742)	28942	0.10000	0.13
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	28730	0.10000	0.097

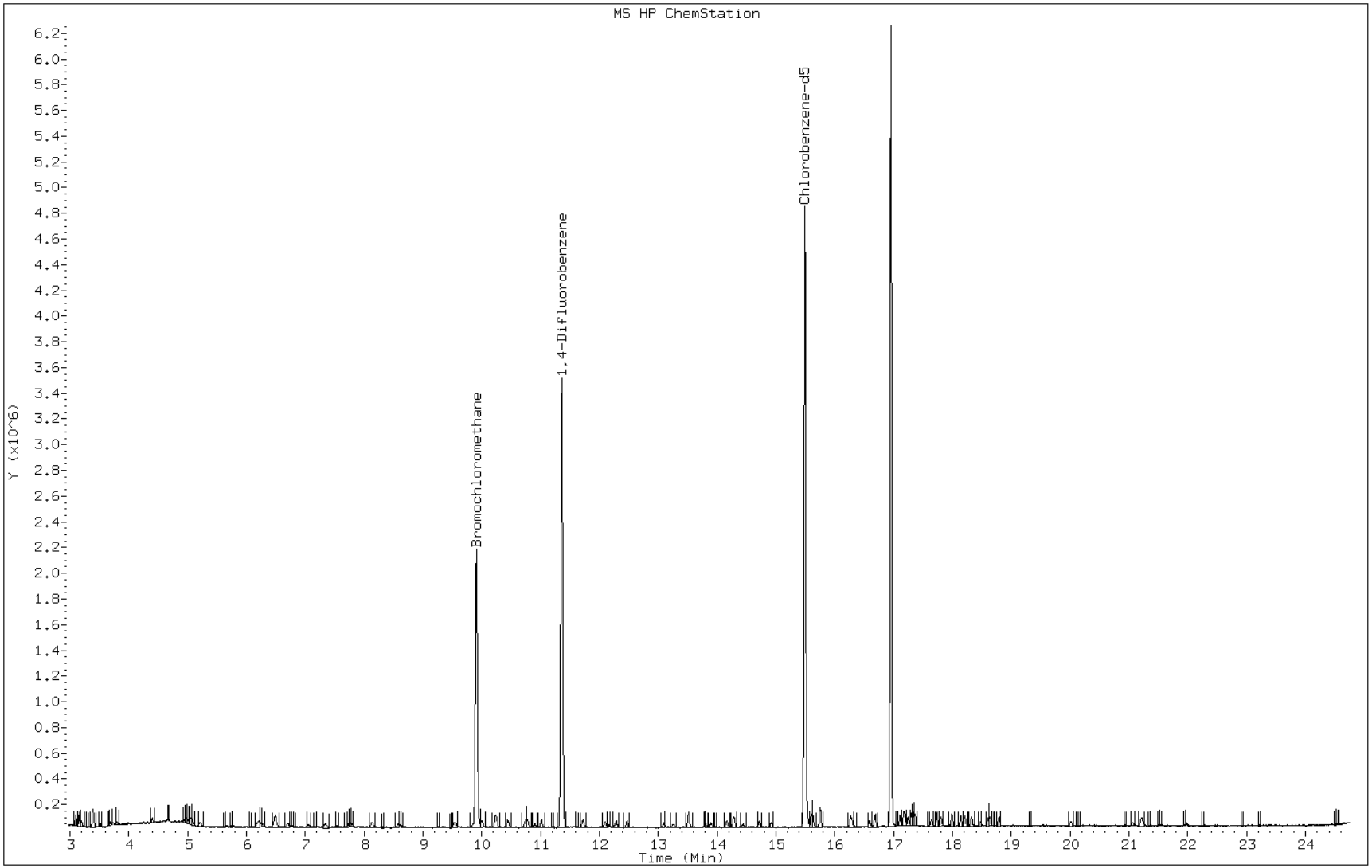
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.732	(0.782)	42567	0.10000	0.089
	30 n-Hexane	57	8.133	8.133	(0.821)	25286	0.10000	0.10
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	37008	0.10000	0.10
M	33 1,2-Dichloroethene, Total	61				44920	0.20000	0.18
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	16190	0.10000	0.087
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	665086	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	41914	0.10000	0.095
	40 Cyclohexane	84	10.241	10.241	(0.902)	24378	0.10000	0.090
	41 1,1,1-Trichloroethane	97	10.252	10.236	(0.902)	44723	0.10000	0.098
	42 Carbon tetrachloride	117	10.455	10.450	(0.920)	44131	0.10000	0.10
	43 2,2,4-Trimethylpentane	57	10.754	10.733	(0.947)	76931	0.10000	0.095
	44 Benzene	78	10.776	10.787	(0.949)	52889	0.10000	0.096
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	28182	0.10000	0.10
	46 n-Heptane	43	11.011	11.011	(0.969)	28957	0.10000	0.094
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3381306	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	24442	0.10000	0.093
	50 1,2-Dichloropropane	63	12.103	12.097	(1.065)	18559	0.10000	0.091
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	36431	0.10000	0.091
	55 1,3-Dichloropropene (cis)	75	13.103	13.098	(1.154)	24768	0.10000	0.092
	58 Toluene	92	13.520	13.515	(0.873)	33449	0.10000	0.091
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	22985	0.10000	0.086
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	17729	0.10000	0.091
	61 Tetrachloroethene	166	14.285	14.291	(0.922)	30278	0.10000	0.10
	63 Dibromochloromethane	129	14.713	14.729	(0.950)	30261	0.10000	0.096
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	27545	0.10000	0.096
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3037738	2.00000	
	66 Chlorobenzene	112	15.526	15.532	(1.002)	48312	0.10000	0.10
	67 Ethylbenzene	91	15.607	15.601	(1.007)	66309	0.10000	0.090
	69 Xylene (m,p)	106	15.756	15.751	(1.017)	52342	0.20000	0.19
M	70 Xylene, Total	106				78438	0.30000	0.28
	71 Xylene (o)	106	16.275	16.270	(1.050)	26096	0.10000	0.093(Q)
	73 Bromoform	173	16.591	16.597	(1.071)	22381	0.10000	0.088
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.104)	41877	0.10000	0.091
	79 4-Ethyltoluene	105	17.302	17.303	(1.117)	62253	0.10000	0.090
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	47867	0.10000	0.084
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	45977	0.10000	0.078

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efz007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 556615
Lab Sample ID: ic 556615

Date: 13-SEP-2013 17:09
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz008.d
Lab Smp Id: icis 556615
Inj Date : 13-SEP-2013 18:04
Operator : wrd Inst ID: E.i
Smp Info : icis 556615
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 18:04 Cal File: efz008.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

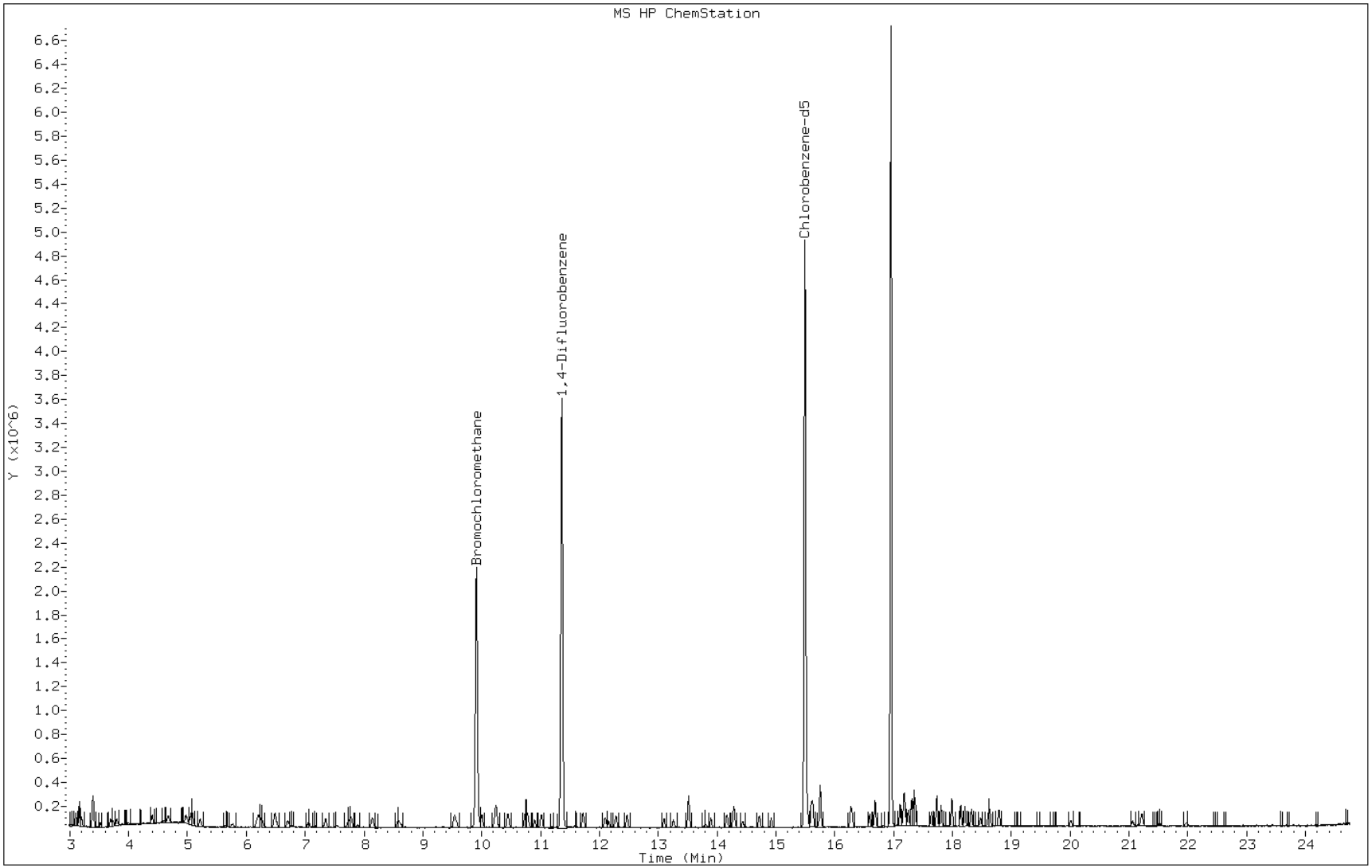
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	183932	0.20000	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	172048	0.20000	0.22
5 Chloromethane	50	3.522	3.522	(0.355)	39389	0.20000	0.22
7 Vinyl chloride	62	3.730	3.730	(0.376)	40278	0.20000	0.21
8 1,3-Butadiene	54	3.795	3.795	(0.383)	25637	0.20000	0.21
9 Bromomethane	94	4.399	4.399	(0.444)	49149	0.20000	0.20
10 Chloroethane	64	4.602	4.602	(0.464)	18552	0.20000	0.20
12 Vinyl bromide	106	4.977	4.977	(0.502)	53263	0.20000	0.19
13 Trichlorofluoromethane	101	5.084	5.084	(0.513)	152467	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.213	(0.627)	82165	0.20000	0.21
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	32750	0.20000	0.17
22 Allyl chloride	41	7.058	7.058	(0.712)	36527	0.20000	0.20
25 Methylene chloride	49	7.347	7.347	(0.741)	50420	0.20000	0.22
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	54102	0.20000	0.18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.732	(0.780)	96218	0.20000	0.20
	30 n-Hexane	57	8.133	8.133	(0.820)	52890	0.20000	0.21
	31 1,1-Dichloroethane	63	8.577	8.577	(0.865)	74233	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				91900	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	37798	0.20000	0.20
*	36 Bromochloromethane	128	9.915	9.915	(1.000)	681566	2.00000	
	39 Chloroform	83	10.006	10.006	(1.009)	84241	0.20000	0.19
	40 Cyclohexane	84	10.241	10.241	(0.902)	51154	0.20000	0.19
	41 1,1,1-Trichloroethane	97	10.236	10.236	(0.901)	91763	0.20000	0.20
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	91337	0.20000	0.21
	43 2,2,4-Trimethylpentane	57	10.733	10.733	(0.945)	170506	0.20000	0.21
	44 Benzene	78	10.787	10.787	(0.950)	110936	0.20000	0.20
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	56458	0.20000	0.20
	46 n-Heptane	43	11.011	11.011	(0.969)	56822	0.20000	0.18
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3395880	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	45845	0.20000	0.17
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	39025	0.20000	0.19
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	82046	0.20000	0.20
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	49725	0.20000	0.18
	58 Toluene	92	13.515	13.515	(0.872)	71153	0.20000	0.19
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	49466	0.20000	0.18
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	38105	0.20000	0.19
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	55901	0.20000	0.18
	63 Dibromochloromethane	129	14.729	14.729	(0.951)	64770	0.20000	0.20
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	54878	0.20000	0.19
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3121508	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	91684	0.20000	0.19
	67 Ethylbenzene	91	15.601	15.601	(1.007)	150328	0.20000	0.20
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	111416	0.40000	0.39
M	70 Xylene, Total	106				163616	0.60000	0.57
	71 Xylene (o)	106	16.270	16.270	(1.050)	52200	0.20000	0.18
	73 Bromoform	173	16.597	16.597	(1.071)	49698	0.20000	0.19
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.104)	91795	0.20000	0.19
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	151332	0.20000	0.21
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	119893	0.20000	0.20
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.149)	102108	0.20000	0.17

Data File:	efz008.d	Date:	13-SEP-2013 18:04
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 556615		
Lab Sample ID:	icis 556615		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz009.d
Lab Smp Id: ic 556615
Inj Date : 13-SEP-2013 18:59
Operator : wrd Inst ID: E.i
Smp Info : ic 556615
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 18:59 Cal File: efz009.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	444229	0.50000	0.49
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	407798	0.50000	0.51
5 Chloromethane	50	3.522	3.522	(0.355)	94522	0.50000	0.51
7 Vinyl chloride	62	3.730	3.730	(0.376)	98130	0.50000	0.49
8 1,3-Butadiene	54	3.800	3.795	(0.383)	62801	0.50000	0.49
9 Bromomethane	94	4.399	4.399	(0.444)	123686	0.50000	0.48
10 Chloroethane	64	4.602	4.602	(0.464)	46223	0.50000	0.47
12 Vinyl bromide	106	4.977	4.977	(0.502)	132097	0.50000	0.47
13 Trichlorofluoromethane	101	5.079	5.084	(0.512)	391422	0.50000	0.50
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.213	(0.627)	201634	0.50000	0.50
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	89376	0.50000	0.45(Q)
22 Allyl chloride	41	7.058	7.058	(0.712)	99415	0.50000	0.52
25 Methylene chloride	49	7.341	7.347	(0.740)	125000	0.50000	0.52
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	141075	0.50000	0.45

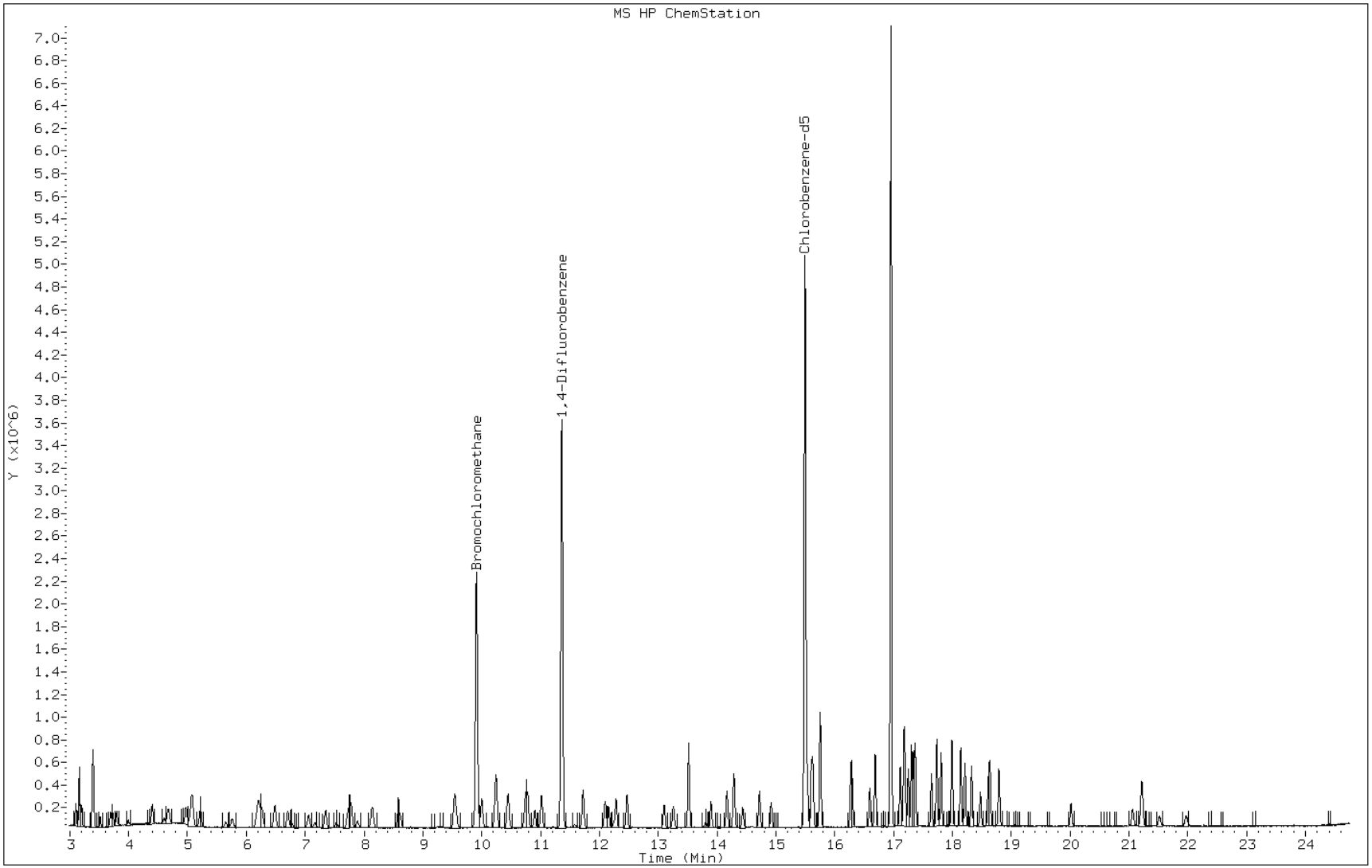
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.732	(0.780)	278537	0.50000	0.55
	30 n-Hexane	57	8.139	8.133	(0.821)	137422	0.50000	0.53
	31 1,1-Dichloroethane	63	8.577	8.577	(0.865)	184663	0.50000	0.48
M	33 1,2-Dichloroethene, Total	61				238877	1.00000	0.94
	34 1,2-Dichloroethene (cis)	96	9.530	9.535	(0.961)	97802	0.50000	0.50
*	36 Bromochloromethane	128	9.915	9.915	(1.000)	704295	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	231276	0.50000	0.50
	40 Cyclohexane	84	10.241	10.241	(0.902)	124104	0.50000	0.44
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	228546	0.50000	0.49
	42 Carbon tetrachloride	117	10.455	10.450	(0.920)	236096	0.50000	0.53
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.946)	414600	0.50000	0.50
	44 Benzene	78	10.787	10.787	(0.950)	294147	0.50000	0.52
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	153075	0.50000	0.53
	46 n-Heptane	43	11.017	11.011	(0.970)	150455	0.50000	0.48
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3484863	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	131104	0.50000	0.48
	50 1,2-Dichloropropane	63	12.103	12.097	(1.065)	106142	0.50000	0.50(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	230981	0.50000	0.56
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	144897	0.50000	0.52
	58 Toluene	92	13.526	13.515	(0.873)	202722	0.50000	0.53
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	150338	0.50000	0.54
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	104974	0.50000	0.52
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	162652	0.50000	0.52
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	190686	0.50000	0.58
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	174834	0.50000	0.58
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3169905	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	270026	0.50000	0.56
	67 Ethylbenzene	91	15.601	15.601	(1.007)	439714	0.50000	0.57
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	348630	1.00000	1.2
M	70 Xylene, Total	106				509624	1.50000	1.8
	71 Xylene (o)	106	16.270	16.270	(1.050)	160994	0.50000	0.55
	73 Bromoform	173	16.596	16.597	(1.071)	165192	0.50000	0.62
	75 1,1,2,2-Tetrachloroethane	83	17.115	17.110	(1.105)	272480	0.50000	0.56
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	483210	0.50000	0.67
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	407219	0.50000	0.68
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	385719	0.50000	0.62

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efz009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 556615
Lab Sample ID: ic 556615

Date: 13-SEP-2013 18:59
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz010.d
Lab Smp Id: ic 554196
Inj Date : 13-SEP-2013 19:54
Operator : wrd Inst ID: E.i
Smp Info : ic 554196
Misc Info : 75,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 19:54 Cal File: efz010.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	75.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	687085	0.75000	0.78
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	641598	0.75000	0.83
5 Chloromethane	50	3.522	3.522	(0.355)	136510	0.75000	0.76
7 Vinyl chloride	62	3.736	3.730	(0.377)	150015	0.75000	0.77
8 1,3-Butadiene	54	3.795	3.795	(0.383)	91779	0.75000	0.74
9 Bromomethane	94	4.399	4.399	(0.444)	185152	0.75000	0.74
10 Chloroethane	64	4.602	4.602	(0.464)	61455	0.75000	0.64
12 Vinyl bromide	106	4.977	4.977	(0.502)	203485	0.75000	0.74
13 Trichlorofluoromethane	101	5.073	5.084	(0.512)	601325	0.75000	0.79
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.213	(0.627)	296295	0.75000	0.75
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	140781	0.75000	0.72(Q)
22 Allyl chloride	41	7.058	7.058	(0.712)	138620	0.75000	0.74
25 Methylene chloride	49	7.347	7.347	(0.741)	166228	0.75000	0.71
27 1,2-Dichloroethene (trans)	61	7.785	7.780	(0.786)	210386	0.75000	0.69

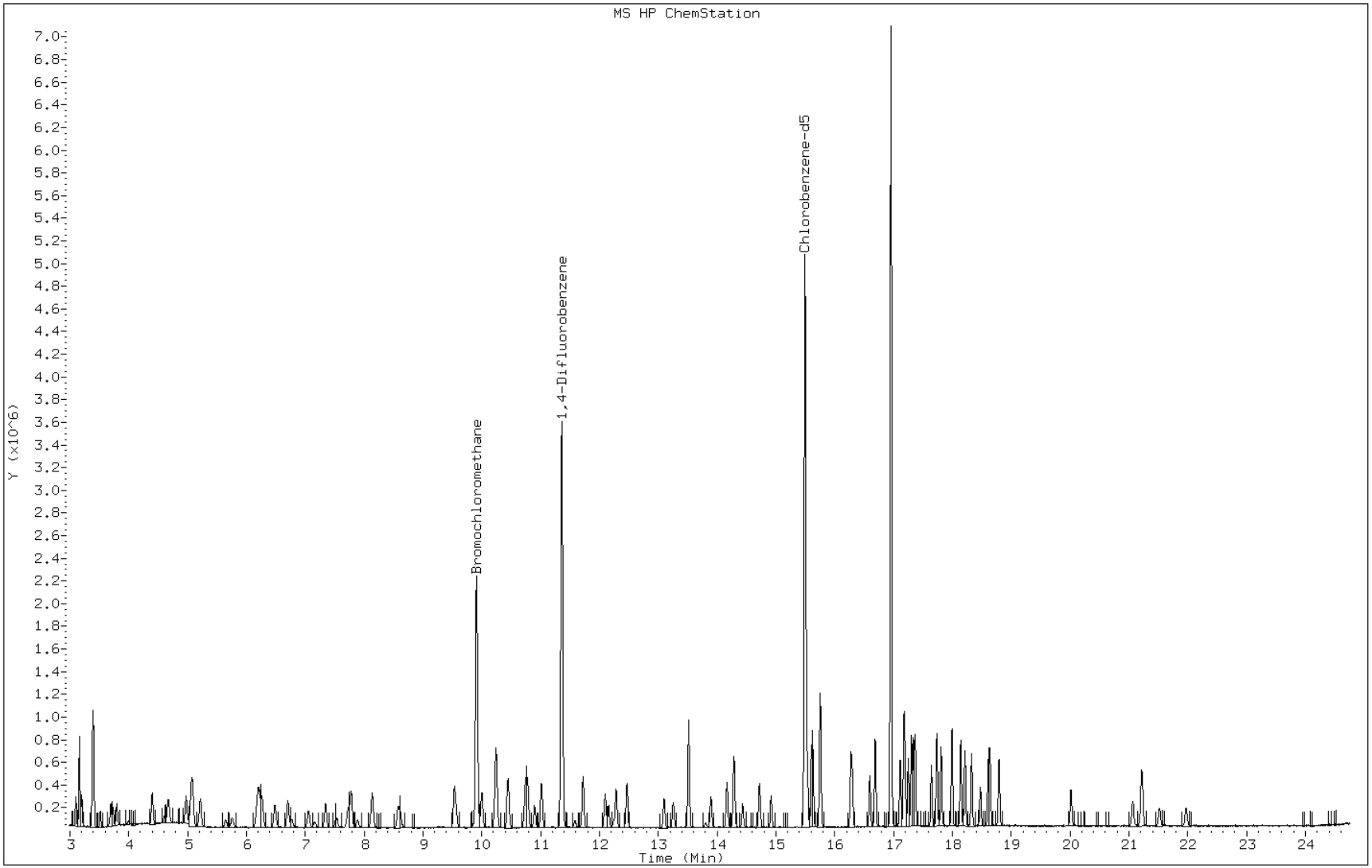
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.732	(0.781)	305260	0.75000	0.62
	30 n-Hexane	57	8.139	8.133	(0.821)	203071	0.75000	0.80
	31 1,1-Dichloroethane	63	8.572	8.577	(0.865)	248045	0.75000	0.66
M	33 1,2-Dichloroethene, Total	61				334096	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	123710	0.75000	0.64
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	685684	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	295773	0.75000	0.65
	40 Cyclohexane	84	10.246	10.241	(0.902)	185906	0.75000	0.67
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	330878	0.75000	0.71
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	349198	0.75000	0.79
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.946)	600104	0.75000	0.73
	44 Benzene	78	10.787	10.787	(0.950)	374463	0.75000	0.66
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	194847	0.75000	0.68
	46 n-Heptane	43	11.011	11.011	(0.969)	206733	0.75000	0.66
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3452245	2.00000	
	49 Trichloroethene	95	11.717	11.723	(1.032)	180572	0.75000	0.67
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	125568	0.75000	0.60(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	303196	0.75000	0.74
	55 1,3-Dichloropropene (cis)	75	13.103	13.098	(1.154)	179140	0.75000	0.65
	58 Toluene	92	13.520	13.515	(0.873)	255749	0.75000	0.67
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	180038	0.75000	0.66
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	128266	0.75000	0.64
	61 Tetrachloroethene	166	14.285	14.291	(0.922)	218939	0.75000	0.70
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	239337	0.75000	0.73
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	211506	0.75000	0.71
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3146630	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	334937	0.75000	0.70
	67 Ethylbenzene	91	15.601	15.601	(1.007)	519536	0.75000	0.68
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	398392	1.50000	1.4
M	70 Xylene, Total	106				588969	2.25000	2.0
	71 Xylene (o)	106	16.270	16.270	(1.050)	190577	0.75000	0.65
	73 Bromoform	173	16.591	16.597	(1.071)	210073	0.75000	0.80
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.104)	310972	0.75000	0.65
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	540429	0.75000	0.76
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	453475	0.75000	0.77
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	428710	0.75000	0.70

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efz010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554196
Lab Sample ID: ic 554196

Date: 13-SEP-2013 19:54
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz011.d
Lab Smp Id: ic 554196
Inj Date : 13-SEP-2013 20:48
Operator : wrd Inst ID: E.i
Smp Info : ic 554196
Misc Info : 100,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 20:48 Cal File: efz011.d
Als bottle: 5 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

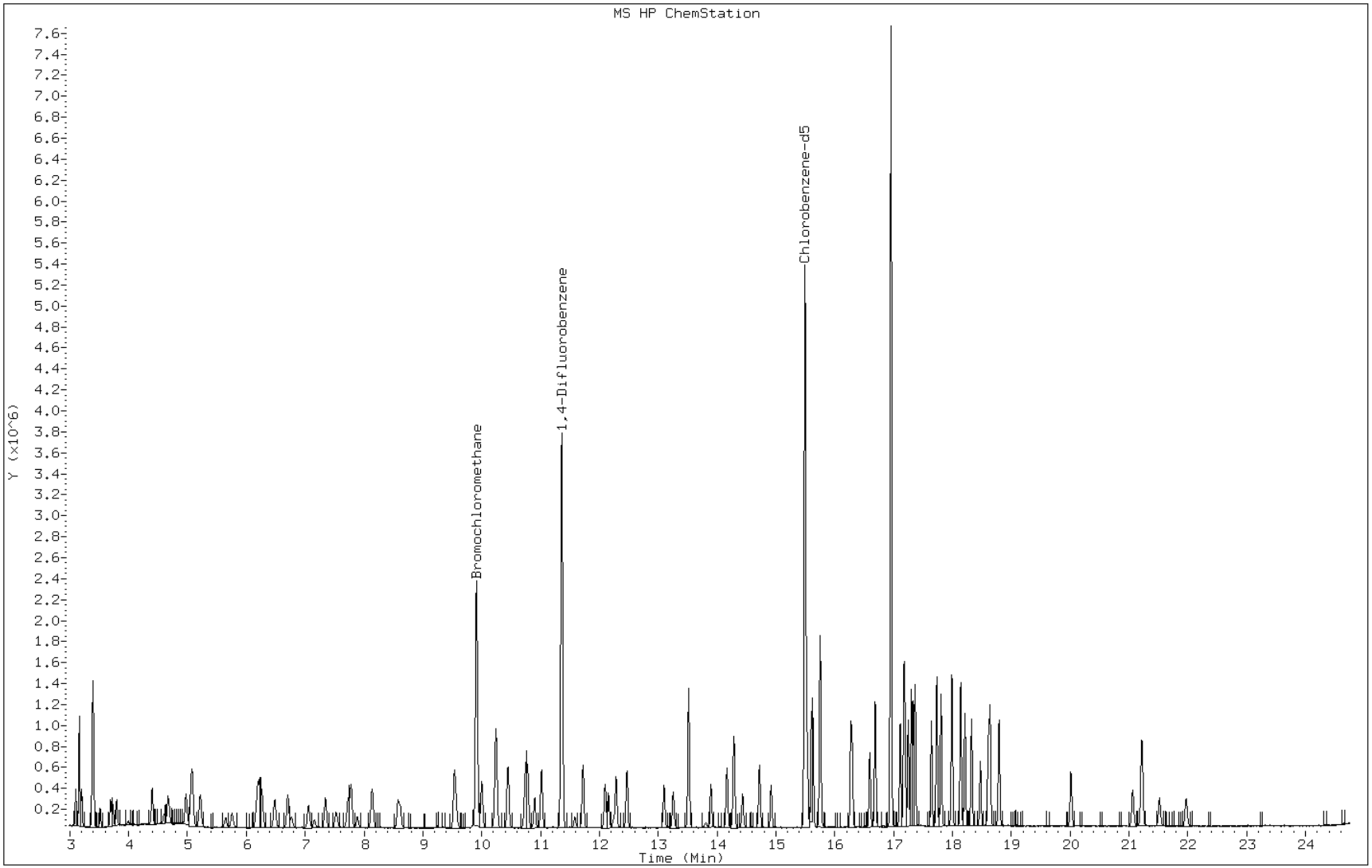
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	913364	1.00000	0.98
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.394	3.393	(0.342)	850844	1.00000	1.0(A)
5 Chloromethane	50	3.517	3.522	(0.355)	169699	1.00000	0.90
7 Vinyl chloride	62	3.731	3.730	(0.376)	194355	1.00000	0.95
8 1,3-Butadiene	54	3.795	3.795	(0.383)	120147	1.00000	0.92
9 Bromomethane	94	4.399	4.399	(0.444)	229449	1.00000	0.87
10 Chloroethane	64	4.608	4.602	(0.465)	90431	1.00000	0.90
12 Vinyl bromide	106	4.977	4.977	(0.502)	267134	1.00000	0.92
13 Trichlorofluoromethane	101	5.068	5.084	(0.511)	775848	1.00000	0.96
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.213	6.213	(0.627)	386969	1.00000	0.93
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	174989	1.00000	0.86
22 Allyl chloride	41	7.058	7.058	(0.712)	202386	1.00000	1.0(A)
25 Methylene chloride	49	7.347	7.347	(0.741)	220005	1.00000	0.89
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	284260	1.00000	0.88

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.732	(0.781)	482286	1.00000	0.93
	30 n-Hexane	57	8.139	8.133	(0.821)	268028	1.00000	1.0(A)
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	343133	1.00000	0.86
M	33 1,2-Dichloroethene, Total	61				467046	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.530	9.535	(0.962)	182786	1.00000	0.90
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	720914	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	415222	1.00000	0.87
	40 Cyclohexane	84	10.246	10.241	(0.902)	247224	1.00000	0.85
	41 1,1,1-Trichloroethane	97	10.236	10.236	(0.901)	457168	1.00000	0.93
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	460227	1.00000	0.99
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	837136	1.00000	0.96
	44 Benzene	78	10.787	10.787	(0.950)	528994	1.00000	0.89
	45 1,2-Dichloroethane	62	10.905	10.899	(0.960)	280197	1.00000	0.92
	46 n-Heptane	43	11.017	11.011	(0.970)	295616	1.00000	0.89
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3640435	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	238566	1.00000	0.84
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	188692	1.00000	0.86(Q)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	429207	1.00000	1.0(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	267055	1.00000	0.92
	58 Toluene	92	13.521	13.515	(0.873)	372730	1.00000	0.91
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	274557	1.00000	0.95
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	189392	1.00000	0.87
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	306151	1.00000	0.91
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	361485	1.00000	1.0(A)
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	314985	1.00000	0.98
*	65 Chlorobenzene-d5	117	15.495	15.494	(1.000)	3392956	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	483071	1.00000	0.94
	67 Ethylbenzene	91	15.602	15.601	(1.007)	815295	1.00000	0.99
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	613525	2.00000	2.0
M	70 Xylene, Total	106				917360	3.00000	3.0
	71 Xylene (o)	106	16.270	16.270	(1.050)	303835	1.00000	0.97
	73 Bromoform	173	16.591	16.597	(1.071)	322842	1.00000	1.1(A)
	75 1,1,2,2-Tetrachloroethane	83	17.116	17.110	(1.105)	501338	1.00000	0.97
	79 4-Ethyltoluene	105	17.297	17.303	(1.116)	904264	1.00000	1.2(A)
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	759601	1.00000	1.2(A)
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.149)	751499	1.00000	1.1

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File:	efz011.d	Date:	13-SEP-2013 20:48
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 554196		
Lab Sample ID:	ic 554196		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz012.d
Lab Smp Id: ic 554196
Inj Date : 13-SEP-2013 21:43
Operator : wrd Inst ID: E.i
Smp Info : ic 554196
Misc Info : 150,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 21:43 Cal File: efz012.d
Als bottle: 5 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	150.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	1359787	1.50000	1.5(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1267037	1.50000	1.6(A)
5 Chloromethane	50	3.516	3.522	(0.355)	256613	1.50000	1.4
7 Vinyl chloride	62	3.736	3.730	(0.377)	302924	1.50000	1.5(A)
8 1,3-Butadiene	54	3.795	3.795	(0.383)	182063	1.50000	1.4(A)
9 Bromomethane	94	4.399	4.399	(0.444)	363658	1.50000	1.4(A)
10 Chloroethane	64	4.608	4.602	(0.465)	130068	1.50000	1.3(A)
12 Vinyl bromide	106	4.977	4.977	(0.502)	403950	1.50000	1.4(A)
13 Trichlorofluoromethane	101	5.073	5.084	(0.512)	1227321	1.50000	1.5(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.202	6.213	(0.626)	605156	1.50000	1.5(A)
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	288476	1.50000	1.4(AQ)
22 Allyl chloride	41	7.058	7.058	(0.712)	296815	1.50000	1.5(A)
25 Methylene chloride	49	7.347	7.347	(0.741)	321290	1.50000	1.3
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	437651	1.50000	1.4(A)

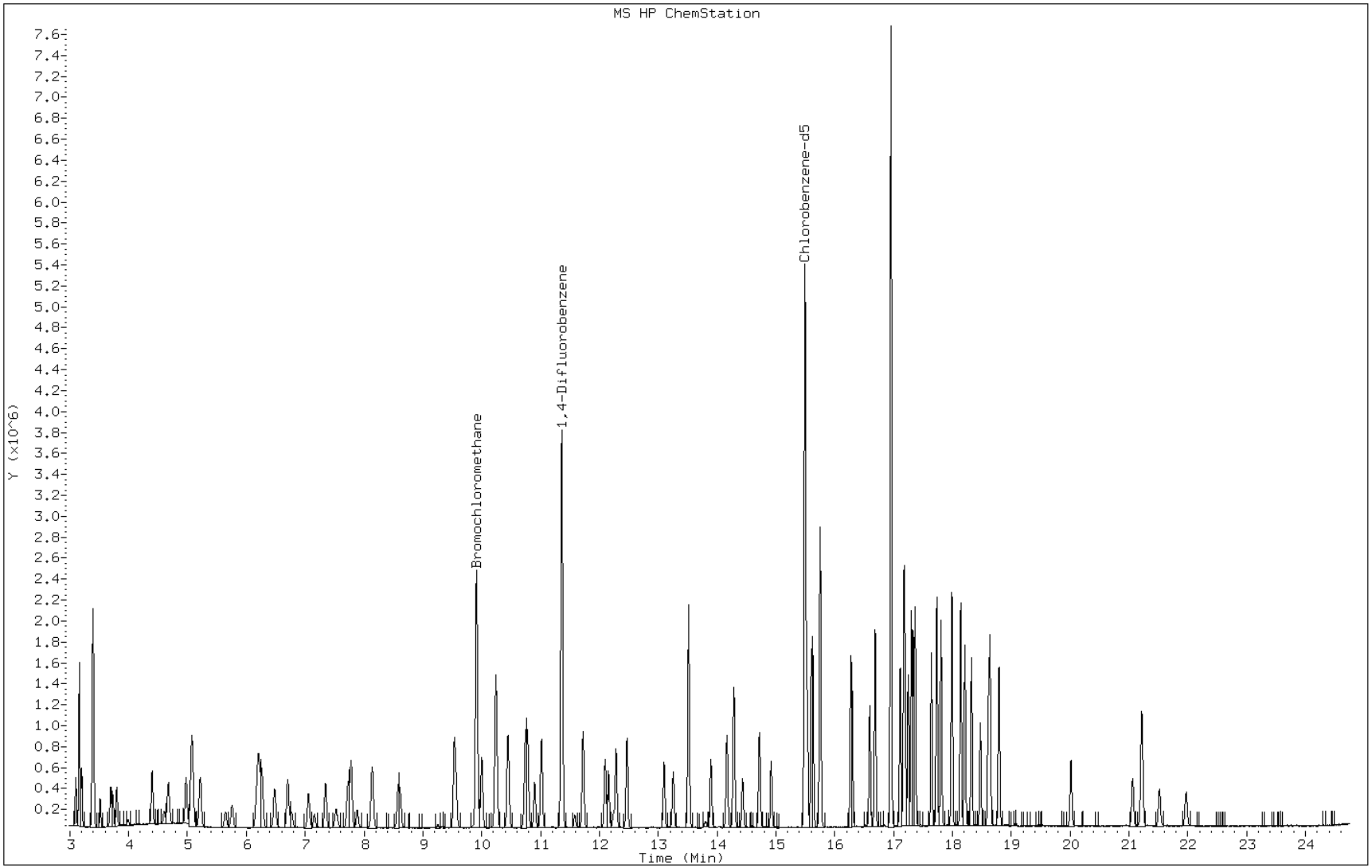
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.732	7.732	(0.780)	763484	1.50000	1.5(A)
	30 n-Hexane	57	8.144	8.133	(0.822)	415353	1.50000	1.6(A)
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	522445	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				721085	3.00000	2.8
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	283434	1.50000	1.4(A)
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	720444	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	640917	1.50000	1.3(A)
	40 Cyclohexane	84	10.241	10.241	(0.902)	407693	1.50000	1.4(A)
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	680761	1.50000	1.4(A)
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	715096	1.50000	1.5(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	1286435	1.50000	1.5(A)
	44 Benzene	78	10.787	10.787	(0.950)	826089	1.50000	1.4(A)
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	430387	1.50000	1.4(A)
	46 n-Heptane	43	11.017	11.011	(0.970)	458846	1.50000	1.4(A)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3624749	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	379110	1.50000	1.3(A)
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	293008	1.50000	1.3(AQ)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	677351	1.50000	1.6(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	420995	1.50000	1.5(A)
	58 Toluene	92	13.520	13.515	(0.873)	570325	1.50000	1.4(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.900	(1.223)	431134	1.50000	1.5(A)
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	294478	1.50000	1.4(A)
	61 Tetrachloroethene	166	14.285	14.291	(0.922)	460741	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.724	14.729	(0.950)	581151	1.50000	1.7(A)
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	487118	1.50000	1.5(A)
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3343327	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	758490	1.50000	1.5
	67 Ethylbenzene	91	15.601	15.601	(1.007)	1236783	1.50000	1.5(A)
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	972187	3.00000	3.2(A)
M	70 Xylene, Total	106				1445277	4.50000	4.7
	71 Xylene (o)	106	16.276	16.270	(1.050)	473090	1.50000	1.5(A)
	73 Bromoform	173	16.591	16.597	(1.071)	541360	1.50000	1.9(A)
	75 1,1,2,2-Tetrachloroethane	83	17.115	17.110	(1.105)	786796	1.50000	1.5(A)
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	1420880	1.50000	1.9(A)
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	1187251	1.50000	1.9(A)
	84 1,2,4-Trimethylbenzene	105	17.806	17.806	(1.149)	1182772	1.50000	1.8

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: efz012.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554196
Lab Sample ID: ic 554196

Date: 13-SEP-2013 21:43
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz013.d
Lab Smp Id: ic 554196
Inj Date : 13-SEP-2013 22:37
Operator : wrd Inst ID: E.i
Smp Info : ic 554196
Misc Info : 200,1,level 10
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 5 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	1808650	2.00000	1.8(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	1688599	2.00000	1.9(A)
5 Chloromethane	50	3.522	3.522	(0.355)	342963	2.00000	1.7
7 Vinyl chloride	62	3.736	3.730	(0.377)	397748	2.00000	1.8(A)
8 1,3-Butadiene	54	3.800	3.795	(0.383)	248213	2.00000	1.8(A)
9 Bromomethane	94	4.399	4.399	(0.444)	489627	2.00000	1.7(A)
10 Chloroethane	64	4.602	4.602	(0.464)	178789	2.00000	1.6(A)
12 Vinyl bromide	106	4.977	4.977	(0.502)	561112	2.00000	1.8(A)
13 Trichlorofluoromethane	101	5.073	5.084	(0.512)	1692210	2.00000	2.0(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.213	(0.626)	894526	2.00000	2.0(A)
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	416932	2.00000	1.9(AQ)
22 Allyl chloride	41	7.058	7.058	(0.712)	453710	2.00000	2.1(A)
25 Methylene chloride	49	7.352	7.347	(0.742)	473587	2.00000	1.8
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	643841	2.00000	1.9(A)

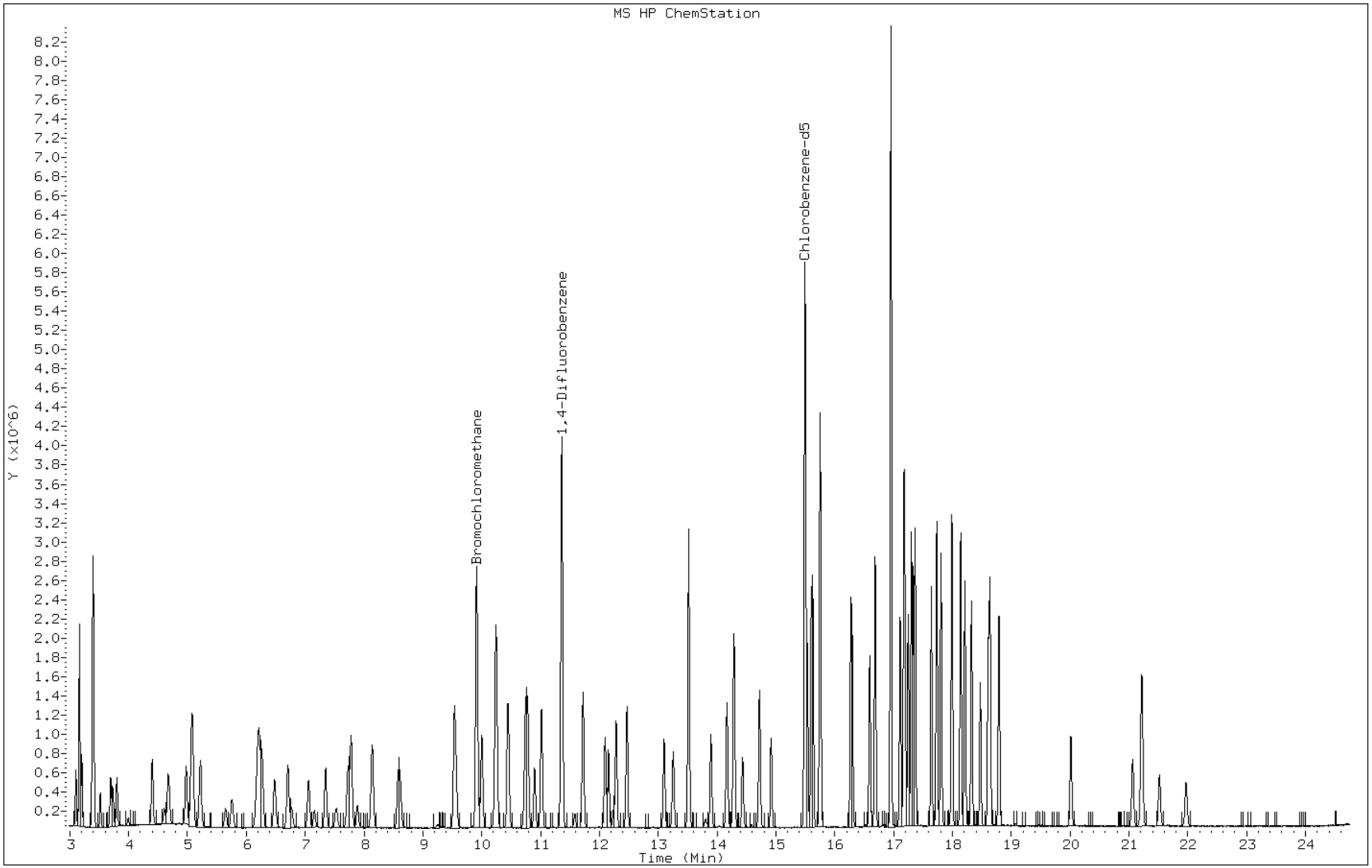
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.737	7.732	(0.781)	1120062	2.00000	2.0(A)
	30 n-Hexane	57	8.139	8.133	(0.821)	626631	2.00000	2.2(A)
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	770984	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1068597	4.00000	3.8
	34 1,2-Dichloroethene (cis)	96	9.535	9.535	(0.962)	424756	2.00000	2.0(A)
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	774737	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	921194	2.00000	1.8(A)
	40 Cyclohexane	84	10.241	10.241	(0.902)	584123	2.00000	1.9(A)
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	1038846	2.00000	2.0(A)
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	1066601	2.00000	2.2(A)
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	1840978	2.00000	2.0(A)
	44 Benzene	78	10.787	10.787	(0.950)	1228289	2.00000	2.0(A)
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	624760	2.00000	2.0(A)
	46 n-Heptane	43	11.017	11.011	(0.970)	652749	2.00000	1.9(A)
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3834301	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	555437	2.00000	1.9(A)
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	434134	2.00000	1.9(AQ)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	983415	2.00000	2.2(A)
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	625387	2.00000	2.0(A)
	58 Toluene	92	13.520	13.515	(0.873)	845940	2.00000	1.9(A)
	59 1,3-Dichloropropene (trans)	75	13.895	13.900	(1.223)	642900	2.00000	2.1(A)
	60 1,1,2-Trichloroethane	83	14.162	14.168	(0.914)	422925	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	706196	2.00000	1.9(A)
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	880225	2.00000	2.3(A)
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	741214	2.00000	2.2(A)
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3654296	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	1119595	2.00000	2.0(A)
	67 Ethylbenzene	91	15.601	15.601	(1.007)	1868838	2.00000	2.1(A)
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	1443138	4.00000	4.3(A)
M	70 Xylene, Total	106				2148702	6.00000	6.4
	71 Xylene (o)	106	16.270	16.270	(1.050)	705564	2.00000	2.1(A)
	73 Bromoform	173	16.591	16.597	(1.071)	831091	2.00000	2.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.104)	1125950	2.00000	2.0(A)
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	2105456	2.00000	2.5(A)
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	1765828	2.00000	2.6(A)
	84 1,2,4-Trimethylbenzene	105	17.805	17.806	(1.149)	1705185	2.00000	2.4(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: efz013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 554196
Lab Sample ID: ic 554196

Date: 13-SEP-2013 22:37
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab Sample ID: ICV 200-61363/16 Calibration Date: 09/14/2013 01:19

Instrument ID: E.i Calib Start Date: 09/13/2013 14:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/13/2013 22:37

Lab File ID: efz016.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	2.570	2.655		0.207	0.200	3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.257	2.523		0.224	0.200	11.8	30.0
Chloromethane	Ave	0.5245	0.5069		0.193	0.200	-3.4	30.0
Vinyl chloride	Ave	0.5699	0.5873		0.206	0.200	3.1	30.0
1,3-Butadiene	Ave	0.3616	0.3223		0.178	0.200	-10.9	30.0
Bromomethane	Ave	0.7307	0.7081		0.194	0.200	-3.1	30.0
Chloroethane	Ave	0.2785	0.2845		0.204	0.200	2.2	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8020	0.8294		0.207	0.200	3.4	30.0
Trichlorofluoromethane	Ave	2.230	2.429		0.218	0.200	8.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.150	1.424		0.248	0.200	23.8	30.0
1,1-Dichloroethene	Ave	0.5669	0.6537		0.231	0.200	15.3	30.0
3-Chloropropene	Ave	0.5469	0.6716		0.246	0.200	22.8	30.0
Methylene Chloride	Ave	0.6832	0.8367		0.245	0.200	22.5	30.0
Methyl tert-butyl ether	Ave	1.444	1.669		0.231	0.200	15.6	30.0
trans-1,2-Dichloroethene	Ave	0.8929	0.8996		0.201	0.200	0.7	30.0
n-Hexane	Ave	0.7385	0.8484		0.230	0.200	14.9	30.0
1,1-Dichloroethane	Ave	1.101	1.125		0.204	0.200	2.1	30.0
cis-1,2-Dichloroethene	Ave	0.5608	0.6485		0.231	0.200	15.6	30.0
Chloroform	Ave	1.325	1.353		0.204	0.200	2.1	30.0
1,1,1-Trichloroethane	Ave	0.2696	0.2985		0.221	0.200	10.7	30.0
Cyclohexane	Ave	0.1598	0.1621		0.203	0.200	1.4	30.0
Carbon tetrachloride	Ave	0.2551	0.2946		0.231	0.200	15.5	30.0
2,2,4-Trimethylpentane	Ave	0.4767	0.5178		0.217	0.200	8.6	30.0
Benzene	Ave	0.3268	0.3597		0.220	0.200	10.1	30.0
1,2-Dichloroethane	Ave	0.1665	0.1867		0.224	0.200	12.1	30.0
n-Heptane	Ave	0.1817	0.1785		0.196	0.200	-1.8	30.0
Trichloroethene	Ave	0.1552	0.1591		0.205	0.200	2.5	30.0
1,2-Dichloropropane	Ave	0.1206	0.1187		0.197	0.200	-1.6	30.0
Bromodichloromethane	Ave	0.2356	0.2684		0.228	0.200	13.9	30.0
cis-1,3-Dichloropropene	Ave	0.1586	0.1586		0.200	0.200	-0.0	30.0
Toluene	Ave	0.2415	0.2593		0.215	0.200	7.4	30.0
trans-1,3-Dichloropropene	Ave	0.1580	0.1466		0.185	0.200	-7.3	30.0
1,1,2-Trichloroethane	Ave	0.1280	0.1361		0.213	0.200	6.4	30.0
Tetrachloroethene	Ave	0.1989	0.2157		0.217	0.200	8.5	30.0
Dibromochloromethane	Ave	0.2077	0.2252		0.217	0.200	8.5	30.0
1,2-Dibromoethane	Ave	0.1884	0.1855		0.197	0.200	-1.5	30.0
Chlorobenzene	Ave	0.3035	0.3240		0.213	0.200	6.8	30.0
Ethylbenzene	Ave	0.4839	0.5461		0.226	0.200	12.9	30.0
m-Xylene & p-Xylene	Ave	0.1819	0.2038		0.448	0.400	12.0	30.0
o-Xylene	Ave	0.1853	0.1940		0.209	0.200	4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab Sample ID: ICV 200-61363/16 Calibration Date: 09/14/2013 01:19

Instrument ID: E.i Calib Start Date: 09/13/2013 14:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/13/2013 22:37

Lab File ID: efz016.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
Bromoform	Ave	0.1676	0.1801		0.215	0.200	7.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.3038	0.2824		0.186	0.200	-7.0	30.0
4-Ethyltoluene	Ave	0.4546	0.5186		0.228	0.200	14.1	30.0
1,3,5-Trimethylbenzene	Ave	0.3748	0.4145		0.221	0.200	10.6	30.0
1,2,4-Trimethylbenzene	Ave	0.3892	0.3187		0.164	0.200	-18.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzto15.b/efz016.d
Lab Smp Id: icv 556609
Inj Date : 14-SEP-2013 01:19
Operator : wrd Inst ID: E.i
Smp Info : icv 556609
Misc Info : 500,1,icv
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/to15ll3t.m
Meth Date : 19-Sep-2013 07:11 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	187201	0.20657	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.393	3.393	(0.342)	177905	0.22350	0.22
5 Chloromethane	50	3.522	3.522	(0.355)	35745	0.19325	0.19
7 Vinyl chloride	62	3.736	3.730	(0.377)	41411	0.20606	0.21
8 1,3-Butadiene	54	3.800	3.795	(0.383)	22726	0.17822	0.18
9 Bromomethane	94	4.399	4.399	(0.444)	49929	0.19377	0.19
10 Chloroethane	64	4.602	4.602	(0.464)	20064	0.20429	0.20
12 Vinyl bromide	106	4.977	4.977	(0.502)	58483	0.20678	0.21
13 Trichlorofluoromethane	101	5.078	5.084	(0.512)	171253	0.21774	0.22
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.197	6.213	(0.625)	100379	0.24761	0.25
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	46098	0.23058	0.23(Q)
22 Allyl chloride	41	7.058	7.058	(0.712)	47357	0.24556	0.24
25 Methylene chloride	49	7.347	7.347	(0.741)	58998	0.24486	0.24
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	63432	0.20146	0.20

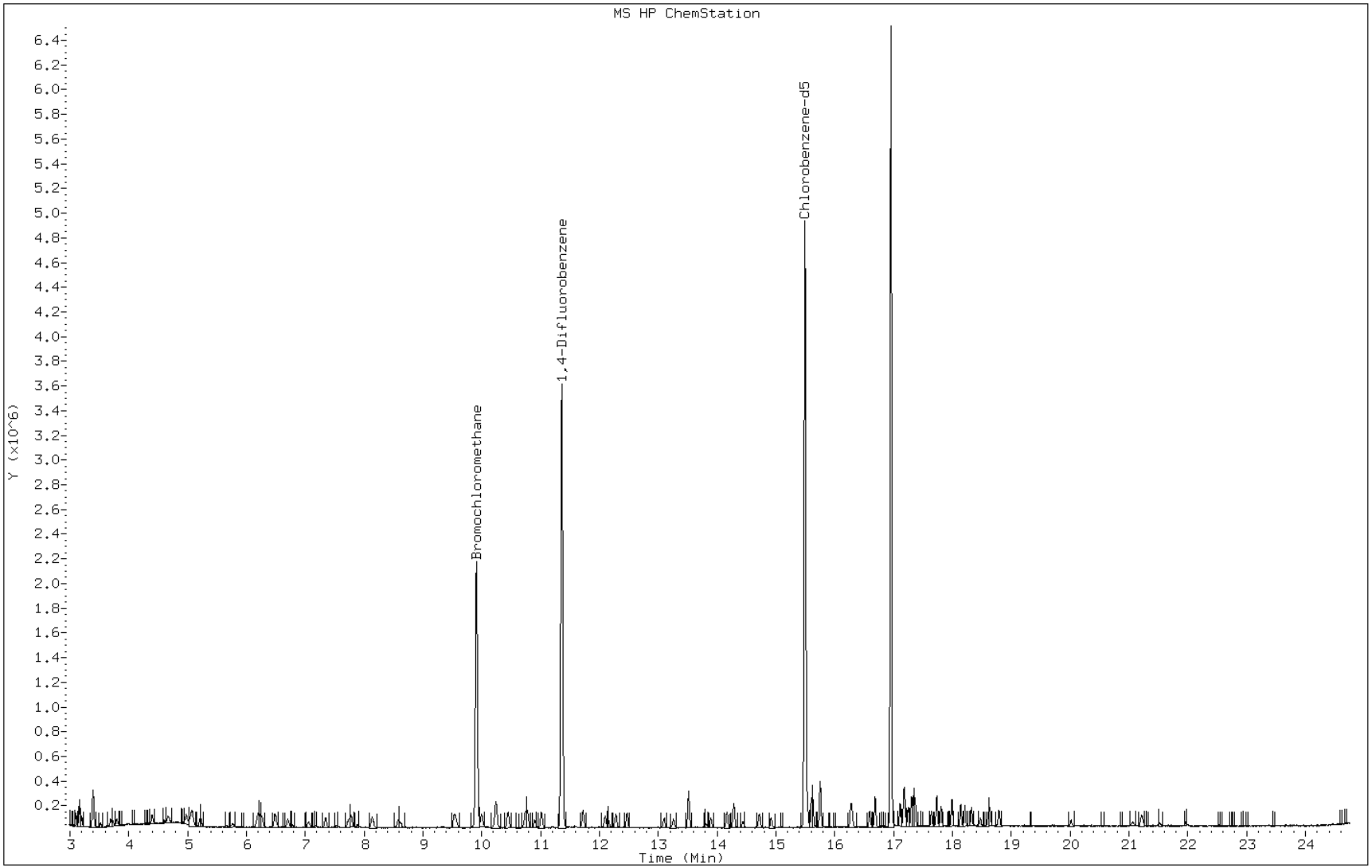
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.732	7.732	(0.780)	117666	0.23111	0.23
	30 n-Hexane	57	8.133	8.133	(0.820)	59828	0.22972	0.23
	31 1,1-Dichloroethane	63	8.572	8.577	(0.865)	79294	0.20415	0.20
M	33 1,2-Dichloroethene, Total	61				109161	0.43269	0.43
	34 1,2-Dichloroethene (cis)	96	9.529	9.535	(0.961)	45729	0.23124	0.23
*	36 Bromochloromethane	128	9.915	9.915	(1.000)	705287	2.00000	
	39 Chloroform	83	10.000	10.006	(1.009)	95413	0.20416	0.20
	40 Cyclohexane	84	10.246	10.241	(0.902)	56644	0.20273	0.20
	41 1,1,1-Trichloroethane	97	10.236	10.236	(0.901)	104349	0.22145	0.22
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	102961	0.23086	0.23
	43 2,2,4-Trimethylpentane	57	10.749	10.733	(0.946)	180993	0.21720	0.22
	44 Benzene	78	10.787	10.787	(0.950)	125728	0.22007	0.22
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	65243	0.22421	0.22
	46 n-Heptane	43	11.017	11.011	(0.970)	62399	0.19645	0.20
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3496130	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	55594	0.20495	0.20
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	41485	0.19674	0.20(Q)
	54 Bromodichloromethane	83	12.466	12.467	(1.097)	93832	0.22785	0.23
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	55424	0.19989	0.20
	58 Toluene	92	13.515	13.515	(0.872)	80791	0.21471	0.21
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	51234	0.18546	0.18
	60 1,1,2-Trichloroethane	83	14.168	14.168	(0.914)	42409	0.21272	0.21
	61 Tetrachloroethene	166	14.285	14.291	(0.922)	67204	0.21686	0.22
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	70168	0.21687	0.22
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	57797	0.19692	0.20
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	3116011	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	100942	0.21349	0.21(Q)
	67 Ethylbenzene	91	15.607	15.601	(1.007)	170129	0.22566	0.22
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	126968	0.44808	0.45
M	70 Xylene, Total	106				187419	0.65747	0.66
	71 Xylene (o)	106	16.275	16.270	(1.050)	60451	0.20939	0.21
	73 Bromoform	173	16.591	16.597	(1.071)	56100	0.21480	0.21
	75 1,1,2,2-Tetrachloroethane	83	17.110	17.110	(1.104)	87976	0.18588	0.18
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	161571	0.22811	0.23
	81 1,3,5-Trimethylbenzene	105	17.367	17.367	(1.121)	129126	0.22115	0.22
	84 1,2,4-Trimethylbenzene	105	17.805	17.806	(1.149)	99282	0.16371	0.16

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efz016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 556609
Lab Sample ID: icv 556609

Date: 14-SEP-2013 01:19
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab Sample ID: CCVIS 200-65026/2 Calibration Date: 11/22/2013 12:42

Instrument ID: E.i Calib Start Date: 09/13/2013 14:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/13/2013 22:37

Lab File ID: efzk002.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	2.570	3.148		0.245	0.200	22.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.257	2.455		0.217	0.200	8.7	30.0
Chloromethane	Ave	0.5245	0.6201		0.236	0.200	18.2	30.0
Vinyl chloride	Ave	0.5699	0.6110		0.214	0.200	7.2	30.0
1,3-Butadiene	Ave	0.3616	0.3594		0.199	0.200	-0.6	30.0
Bromomethane	Ave	0.7307	0.7541		0.206	0.200	3.2	30.0
Chloroethane	Ave	0.2785	0.2578		0.185	0.200	-7.4	30.0
Bromoethene(Vinyl Bromide)	Ave	0.8020	0.7879		0.196	0.200	-1.8	30.0
Trichlorofluoromethane	Ave	2.230	2.497		0.224	0.200	11.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.150	1.245		0.216	0.200	8.3	30.0
1,1-Dichloroethene	Ave	0.5669	0.5655		0.199	0.200	-0.2	30.0
3-Chloropropene	Ave	0.5469	0.5895		0.216	0.200	7.8	30.0
Methylene Chloride	Ave	0.6832	1.239		0.363	0.200	81.3*	30.0
Methyl tert-butyl ether	Ave	1.444	1.524		0.211	0.200	5.6	30.0
trans-1,2-Dichloroethene	Ave	0.8929	0.9169		0.205	0.200	2.7	30.0
n-Hexane	Ave	0.7385	0.7976		0.216	0.200	8.0	30.0
1,1-Dichloroethane	Ave	1.101	1.093		0.198	0.200	-0.8	30.0
cis-1,2-Dichloroethene	Ave	0.5608	0.5029		0.179	0.200	-10.3	30.0
Chloroform	Ave	1.325	1.265		0.191	0.200	-4.5	30.0
1,1,1-Trichloroethane	Ave	0.2696	0.2915		0.216	0.200	8.1	30.0
Cyclohexane	Ave	0.1598	0.1444		0.181	0.200	-9.7	30.0
Carbon tetrachloride	Ave	0.2551	0.2796		0.219	0.200	9.6	30.0
2,2,4-Trimethylpentane	Ave	0.4767	0.4668		0.196	0.200	-2.1	30.0
Benzene	Ave	0.3268	0.3162		0.193	0.200	-3.3	30.0
1,2-Dichloroethane	Ave	0.1665	0.1876		0.225	0.200	12.7	30.0
n-Heptane	Ave	0.1817	0.1624		0.179	0.200	-10.6	30.0
Trichloroethene	Ave	0.1552	0.1445		0.186	0.200	-6.9	30.0
1,2-Dichloropropane	Ave	0.1206	0.1119		0.185	0.200	-7.2	30.0
Bromodichloromethane	Ave	0.2356	0.2512		0.213	0.200	6.6	30.0
cis-1,3-Dichloropropene	Ave	0.1586	0.1513		0.191	0.200	-4.6	30.0
Toluene	Ave	0.2415	0.2164		0.179	0.200	-10.4	30.0
trans-1,3-Dichloropropene	Ave	0.1580	0.1444		0.183	0.200	-8.6	30.0
1,1,2-Trichloroethane	Ave	0.1280	0.1189		0.186	0.200	-7.1	30.0
Tetrachloroethene	Ave	0.1989	0.1878		0.189	0.200	-5.6	30.0
Dibromochloromethane	Ave	0.2077	0.2049		0.197	0.200	-1.4	30.0
1,2-Dibromoethane	Ave	0.1884	0.1863		0.198	0.200	-1.1	30.0
Chlorobenzene	Ave	0.3035	0.3022		0.199	0.200	-0.4	30.0
Ethylbenzene	Ave	0.4839	0.4801		0.198	0.200	-0.8	30.0
m-Xylene & p-Xylene	Ave	0.1819	0.1736		0.382	0.400	-4.6	30.0
o-Xylene	Ave	0.1853	0.1662		0.179	0.200	-10.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Lab Sample ID: CCVIS 200-65026/2 Calibration Date: 11/22/2013 12:42

Instrument ID: E.i Calib Start Date: 09/13/2013 14:25

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/13/2013 22:37

Lab File ID: efzk002.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
Bromoform	Ave	0.1676	0.1652		0.197	0.200	-1.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.3038	0.2774		0.183	0.200	-8.7	30.0
4-Ethyltoluene	Ave	0.4546	0.4806		0.211	0.200	5.7	30.0
1,3,5-Trimethylbenzene	Ave	0.3748	0.4156		0.222	0.200	10.9	30.0
1,2,4-Trimethylbenzene	Ave	0.3892	0.3686		0.189	0.200	-5.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzkto15.b/efzk002.d
Lab Smp Id: ccvis 556615
Inj Date : 22-NOV-2013 12:42
Operator : wrd Inst ID: E.i
Smp Info : ccvis 556615
Misc Info : 200,1,ccvis
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.163	(0.319)	186060	0.20000	0.24
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.393	(0.343)	145059	0.20000	0.22
5 Chloromethane	50	3.522	3.522	(0.356)	36646	0.20000	0.24
7 Vinyl chloride	62	3.731	3.730	(0.377)	36106	0.20000	0.21
8 1,3-Butadiene	54	3.800	3.795	(0.384)	21242	0.20000	0.20
9 Bromomethane	94	4.399	4.399	(0.444)	44566	0.20000	0.21
10 Chloroethane	64	4.608	4.602	(0.465)	15234	0.20000	0.18
12 Vinyl bromide	106	4.977	4.977	(0.503)	46562	0.20000	0.20
13 Trichlorofluoromethane	101	5.084	5.084	(0.513)	147552	0.20000	0.22
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.191	6.213	(0.625)	73568	0.20000	0.22
19 1,1-Dichloroethene	96	6.272	6.266	(0.633)	33421	0.20000	0.20(Q)
22 Allyl chloride	41	7.053	7.058	(0.712)	34838	0.20000	0.22
25 Methylene chloride	49	7.342	7.347	(0.741)	73224	0.20000	0.36
27 1,2-Dichloroethene (trans)	61	7.786	7.780	(0.786)	54185	0.20000	0.20

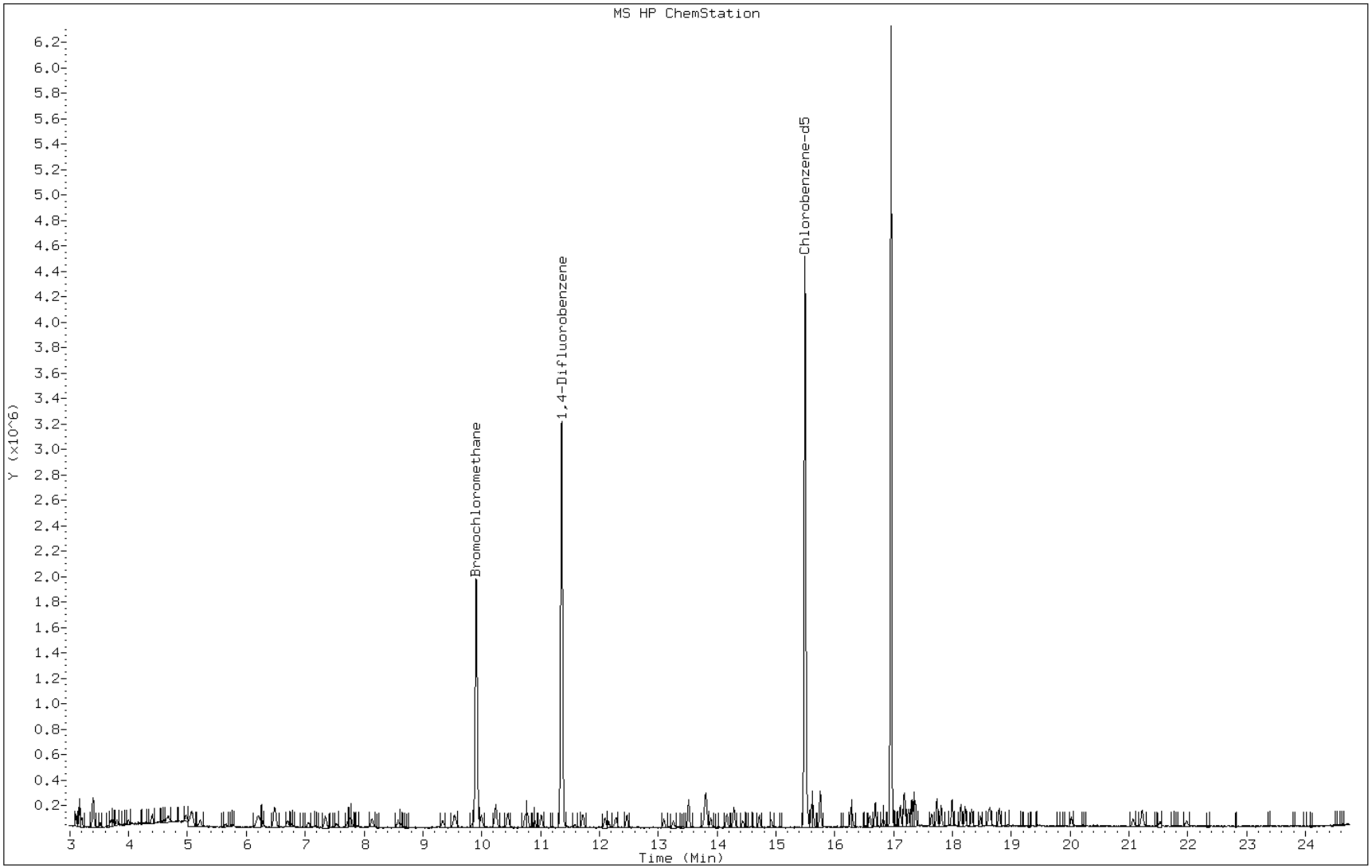
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.727	7.732	(0.780)	90075	0.20000	0.21
	30 n-Hexane	57	8.139	8.133	(0.822)	47134	0.20000	0.22
	31 1,1-Dichloroethane	63	8.572	8.577	(0.866)	64572	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				83907	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.530	9.535	(0.962)	29722	0.20000	0.18
*	36 Bromochloromethane	128	9.904	9.915	(1.000)	591204	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	74759	0.20000	0.19
	40 Cyclohexane	84	10.241	10.241	(0.902)	43354	0.20000	0.18
	41 1,1,1-Trichloroethane	97	10.241	10.236	(0.902)	87523	0.20000	0.22
	42 Carbon tetrachloride	117	10.450	10.450	(0.920)	83935	0.20000	0.22
	43 2,2,4-Trimethylpentane	57	10.733	10.733	(0.945)	140165	0.20000	0.20
	44 Benzene	78	10.787	10.787	(0.950)	94928	0.20000	0.19
	45 1,2-Dichloroethane	62	10.904	10.899	(0.960)	56330	0.20000	0.22
	46 n-Heptane	43	11.011	11.011	(0.969)	48772	0.20000	0.18
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	3003654	2.00000	
	49 Trichloroethene	95	11.718	11.723	(1.032)	43388	0.20000	0.19
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	33598	0.20000	0.18(Q)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	75421	0.20000	0.21
	55 1,3-Dichloropropene (cis)	75	13.093	13.098	(1.153)	45416	0.20000	0.19
	58 Toluene	92	13.521	13.515	(0.873)	58429	0.20000	0.18
	59 1,3-Dichloropropene (trans)	75	13.895	13.900	(1.223)	43356	0.20000	0.18
	60 1,1,2-Trichloroethane	83	14.173	14.168	(0.915)	32092	0.20000	0.18
	61 Tetrachloroethene	166	14.286	14.291	(0.922)	50710	0.20000	0.19
	63 Dibromochloromethane	129	14.724	14.729	(0.950)	55308	0.20000	0.20
	64 1,2-Dibromoethane	107	14.927	14.922	(0.963)	50310	0.20000	0.20
*	65 Chlorobenzene-d5	117	15.495	15.494	(1.000)	2701007	2.00000	
	66 Chlorobenzene	112	15.537	15.532	(1.003)	81599	0.20000	0.20
	67 Ethylbenzene	91	15.602	15.601	(1.007)	129623	0.20000	0.20
	69 Xylene (m,p)	106	15.757	15.751	(1.017)	93740	0.40000	0.38
M	70 Xylene, Total	106				138617	0.60000	0.56
	71 Xylene (o)	106	16.276	16.270	(1.050)	44877	0.20000	0.18
	73 Bromoform	173	16.597	16.597	(1.071)	44610	0.20000	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.116	17.110	(1.105)	74899	0.20000	0.18
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	129752	0.20000	0.21
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	112204	0.20000	0.22
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	99508	0.20000	0.19

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efzk002.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 556615
Lab Sample ID: ccvis 556615

Date: 22-NOV-2013 12:42
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efzto15.b/efz001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 13-SEP-2013 11:45
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/E.i/Esvr.p/efzto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

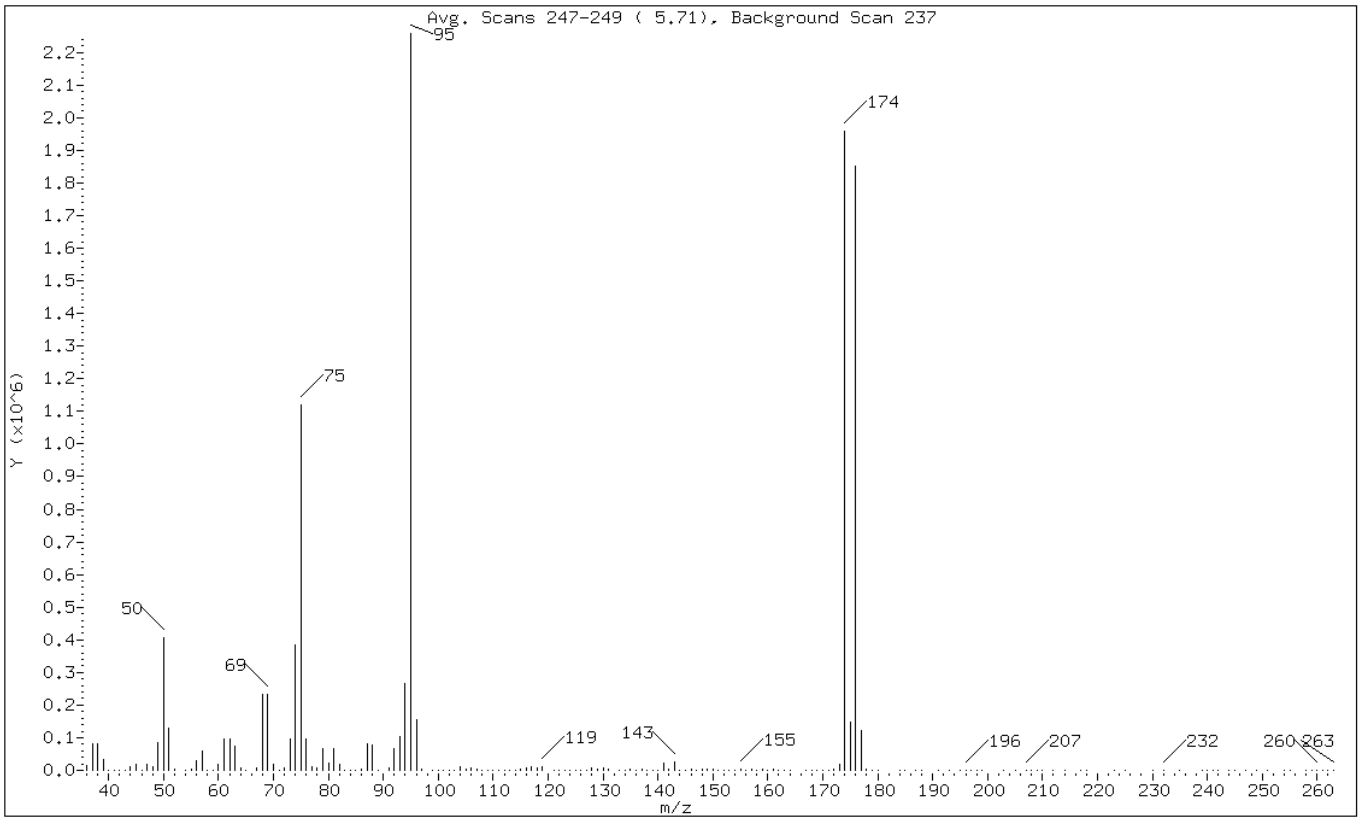
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.708	5.750	-0.042	95	2258108			100.00- 100.00	100.00
5.708	5.750	-0.042	50	408224			8.00- 40.00	18.08
5.708	5.750	-0.042	75	1119847			30.00- 66.00	49.59
5.708	5.750	-0.042	96	153898			5.00- 9.00	6.82
5.708	5.750	-0.042	173	19388			0.00- 2.00	0.99
5.708	5.750	-0.042	174	1958912			50.00- 120.00	86.75
5.708	5.750	-0.042	175	147075			4.00- 9.00	7.51
5.708	5.750	-0.042	176	1852757			93.00- 101.00	94.58
5.708	5.750	-0.042	177	121057			5.00- 9.00	6.53

Data File: efz001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 13-SEP-2013 11:45
Instrument: E.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	18.08
75	30.00 - 66.00% of mass 95	49.59
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.86 (0.99)
174	50.00 - 120.00% of mass 95	86.75
175	4.00 - 9.00% of mass 174	6.51 (7.51)
176	93.00 - 101.00% of mass 174	82.05 (94.58)
177	5.00 - 9.00% of mass 176	5.36 (6.53)

Data File: efz001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

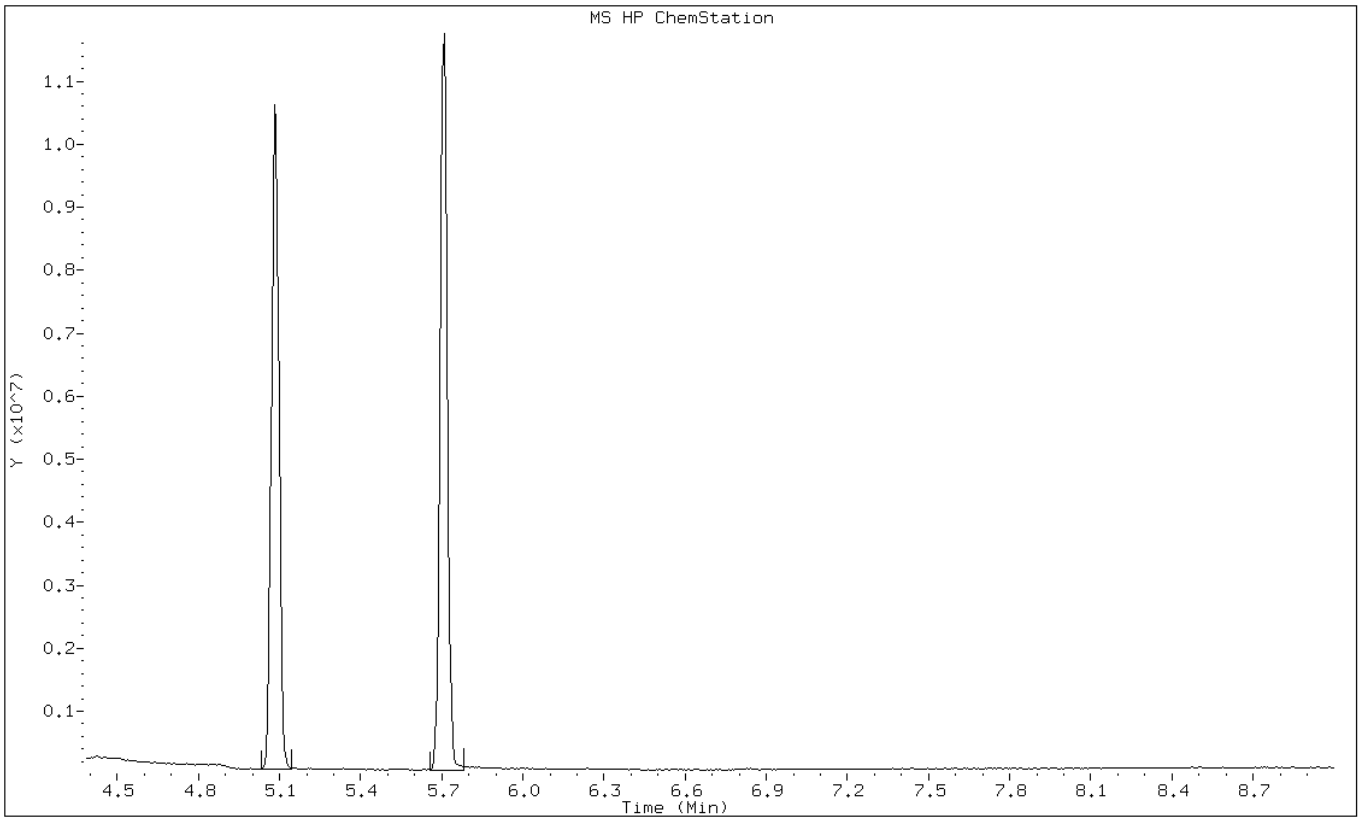
Date: 13-SEP-2013 11:45
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efzto15.b/efz001.d
Spectrum: Avg. Scans 247-249 (5.71), Background Scan 237
Location of Maximum: 95.00
Number of points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	13185	84.00	413	134.00	379	185.00	229
37.00	81792	85.00	436	135.00	5235	187.00	149
38.00	80344	86.00	1856	136.00	21	188.00	125
39.00	31536	87.00	80808	137.00	3708	191.00	88
40.00	204	88.00	77208	138.00	310	193.00	47
41.00	1004	89.00	973	139.00	815	195.00	142
42.00	86	91.00	8139	140.00	1611	196.00	238
43.00	222	92.00	67048	141.00	23072	197.00	126
44.00	10596	93.00	102752	142.00	3135	198.00	209
45.00	16952	94.00	267584	143.00	25112	199.00	84
46.00	1111	95.00	2257920	144.00	984	203.00	233
47.00	18272	96.00	153856	145.00	1798	205.00	155
48.00	10252	97.00	3646	146.00	2676	207.00	673
49.00	83192	99.00	270	147.00	1346	208.00	53
50.00	408192	100.00	166	148.00	3498	209.00	415
51.00	130848	101.00	285	149.00	2267	210.00	109
52.00	5181	102.00	69	150.00	2035	212.00	68
54.00	331	103.00	990	151.00	376	214.00	69
55.00	4458	104.00	10090	152.00	1106	217.00	182
56.00	29456	105.00	2910	153.00	1079	218.00	83
57.00	58352	106.00	8743	154.00	1173	223.00	273
58.00	1645	107.00	2807	155.00	5333	225.00	176
59.00	447	108.00	198	156.00	673	230.00	171
60.00	16752	109.00	310	157.00	2909	232.00	229
61.00	96304	110.00	1042	158.00	464	235.00	208
62.00	97024	111.00	1736	159.00	2676	239.00	180
63.00	73496	112.00	1114	160.00	16	240.00	184
64.00	7041	113.00	1294	161.00	3073	241.00	74
65.00	1488	114.00	69	162.00	120	242.00	171
67.00	7289	115.00	2588	163.00	169	244.00	105
68.00	231936	116.00	7986	164.00	197	245.00	62
69.00	234496	117.00	11314	167.00	171	247.00	67
70.00	17160	118.00	7315	168.00	325	249.00	387
71.00	745	119.00	11912	169.00	63	251.00	109
72.00	9133	121.00	193	170.00	580	254.00	108
73.00	94440	122.00	743	171.00	849	255.00	281
74.00	385984	123.00	636	172.00	3313	258.00	139
75.00	1119744	124.00	1322	173.00	19384	259.00	240
76.00	97656	125.00	295	174.00	1958912	260.00	538
77.00	9818	126.00	322	175.00	147072	261.00	181
78.00	7663	127.00	168	176.00	1852416	262.00	116
79.00	67480	128.00	7580	177.00	121056	263.00	88
80.00	23720	129.00	3873	178.00	3305		

81.00	68256	130.00	7648	179.00	496		
82.00	18864	131.00	4278	180.00	54		
83.00	987	133.00	358	184.00	56		

Data File:	efz001.d	Date:	13-SEP-2013 11:45
Client ID:	BFB	Instrument:	E.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/E.i/Esvr.p/efzkto15.b/efzk001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 22-NOV-2013 11:54
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : bfb
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

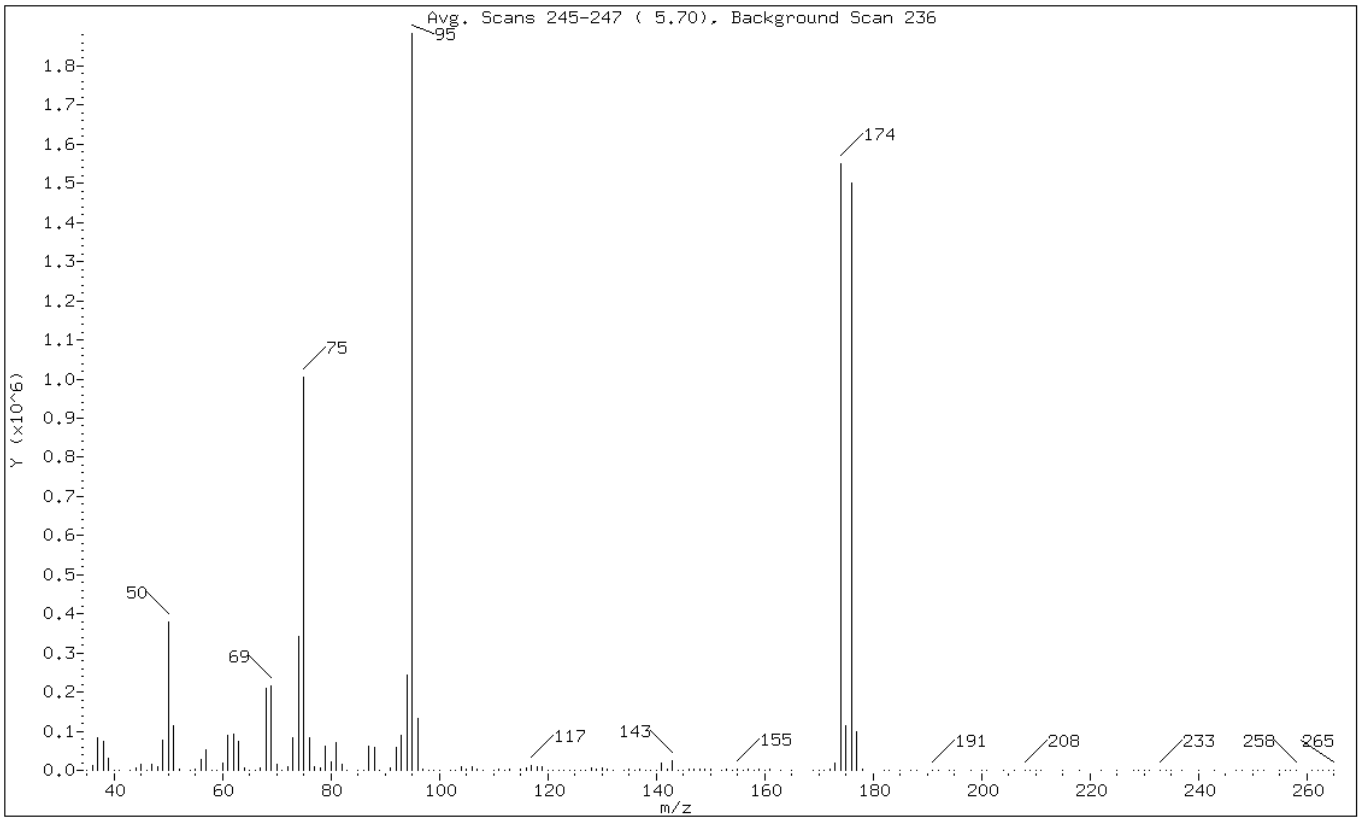
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.698	5.750	-0.052	95	1883269			100.00- 100.00	100.00
5.698	5.750	-0.052	50	379720			8.00- 40.00	20.16
5.698	5.750	-0.052	75	1005205			30.00- 66.00	53.38
5.698	5.750	-0.052	96	132634			5.00- 9.00	7.04
5.698	5.750	-0.052	173	19944			0.00- 2.00	1.29
5.698	5.750	-0.052	174	1551035			50.00- 120.00	82.36
5.698	5.750	-0.052	175	113730			4.00- 9.00	7.33
5.698	5.750	-0.052	176	1501282			93.00- 101.00	96.79
5.698	5.750	-0.052	177	98390			5.00- 9.00	6.55

Data File: efzk001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 22-NOV-2013 11:54
Instrument: E.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	20.16
75	30.00 - 66.00% of mass 95	53.38
96	5.00 - 9.00% of mass 95	7.04
173	Less than 2.00% of mass 174	1.06 (1.29)
174	50.00 - 120.00% of mass 95	82.36
175	4.00 - 9.00% of mass 174	6.04 (7.33)
176	93.00 - 101.00% of mass 174	79.72 (96.79)
177	5.00 - 9.00% of mass 176	5.22 (6.55)

Data File: efzk001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

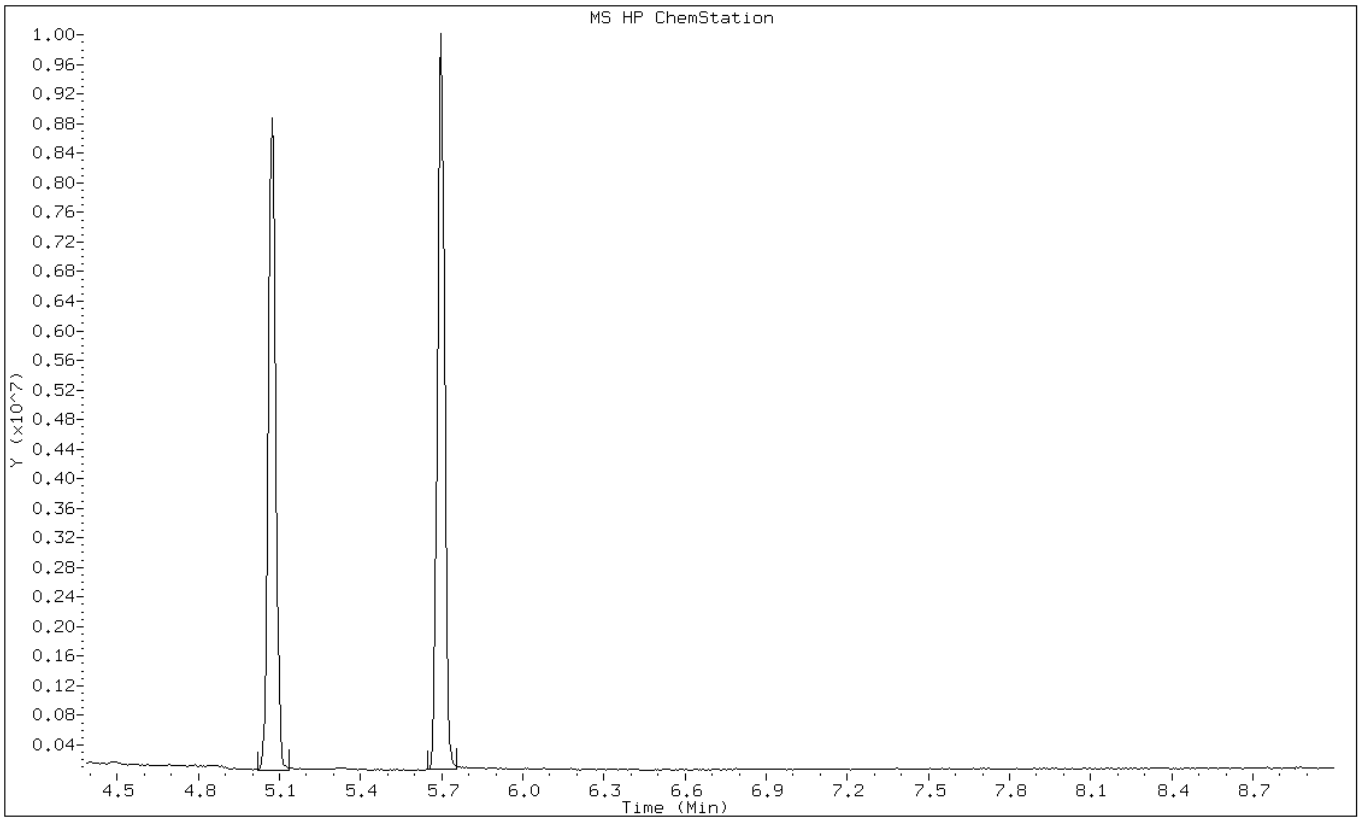
Date: 22-NOV-2013 11:54
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efzkto15.b/efzk001.d
Spectrum: Avg. Scans 245-247 (5.70), Background Scan 236
Location of Maximum: 95.00
Number of points: 176

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	159	82.00	15246	132.00	674	191.00	589
36.00	13501	83.00	1525	134.00	571	192.00	239
37.00	82120	85.00	197	135.00	3771	194.00	50
38.00	74528	86.00	1341	136.00	699	195.00	35
39.00	29448	87.00	61008	137.00	3089	198.00	75
40.00	1460	88.00	58584	138.00	383	200.00	64
41.00	968	89.00	202	139.00	1065	201.00	69
43.00	939	91.00	6780	140.00	1116	204.00	59
44.00	5823	92.00	57648	141.00	19320	206.00	419
45.00	15511	93.00	90168	142.00	2319	208.00	410
46.00	936	94.00	244608	143.00	23216	209.00	291
47.00	16640	95.00	1883136	144.00	1501	210.00	51
48.00	8813	96.00	132608	145.00	1229	211.00	53
49.00	77776	97.00	3674	146.00	2002	215.00	219
50.00	379712	98.00	257	147.00	1734	218.00	217
51.00	114992	99.00	152	148.00	4287	222.00	84
52.00	3749	100.00	200	149.00	1615	225.00	358
54.00	90	102.00	391	150.00	1719	228.00	141
55.00	3907	103.00	1016	152.00	734	229.00	194
56.00	27840	104.00	8519	153.00	1772	230.00	72
57.00	51576	105.00	2321	154.00	1082	231.00	109
58.00	1346	106.00	8290	155.00	3630	233.00	210
59.00	654	107.00	1772	156.00	648	234.00	66
60.00	17328	108.00	683	157.00	3201	235.00	76
61.00	90704	110.00	699	158.00	783	237.00	153
62.00	93000	111.00	2723	159.00	2213	240.00	71
63.00	74368	112.00	1146	160.00	250	243.00	135
64.00	6601	113.00	1973	161.00	2727	247.00	283
65.00	1089	115.00	2353	163.00	70	248.00	205
66.00	370	116.00	7283	165.00	96	250.00	159
67.00	5928	117.00	12332	169.00	236	251.00	110
68.00	209792	118.00	8364	170.00	997	252.00	85
69.00	214912	119.00	8994	171.00	584	255.00	82
70.00	14904	120.00	334	172.00	2457	256.00	100
71.00	990	121.00	190	173.00	19944	257.00	180
72.00	8649	122.00	583	174.00	1550848	258.00	321
73.00	83824	123.00	545	175.00	113728	261.00	57
74.00	341824	124.00	1043	176.00	1501184	262.00	191
75.00	1005184	125.00	680	177.00	98384	263.00	15
76.00	84600	126.00	145	178.00	2255	264.00	108
77.00	8153	127.00	731	182.00	123	265.00	55
78.00	5617	128.00	6641	183.00	65		
79.00	61120	129.00	4076	185.00	66		

80.00	20632	130.00	7053	187.00	418		
81.00	69688	131.00	2660	188.00	300		

Data File:	efzk001.d	Date:	22-NOV-2013 11:54
Client ID:	BFB	Instrument:	E.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: Lab Sample ID: MB 200-65026/4

Matrix: Air Lab File ID: efzk005.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 11/22/2013 14:32

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.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.020	U	0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
71-43-2	Benzene	78.11	0.010	U	0.010	0.010
79-01-6	Trichloroethene	131.39	0.010	U	0.010	0.010
108-88-3	Toluene	92.14	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.010	U	0.010	0.010
100-41-4	Ethylbenzene	106.17	0.010	U	0.010	0.010
95-47-6	o-Xylene	106.17	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.010	U	0.010	0.010
108-90-7	Chlorobenzene	112.56	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: Lab Sample ID: MB 200-65026/4

Matrix: Air Lab File ID: efzk005.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 11/22/2013 14:32

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.: 65026 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.051	U	0.051	0.051
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
71-43-2	Benzene	78.11	0.032	U	0.032	0.032
79-01-6	Trichloroethene	131.39	0.054	U	0.054	0.054
108-88-3	Toluene	92.14	0.038	U	0.038	0.038
127-18-4	Tetrachloroethene	165.83	0.068	U	0.068	0.068
100-41-4	Ethylbenzene	106.17	0.043	U	0.043	0.043
95-47-6	o-Xylene	106.17	0.043	U	0.043	0.043
179601-23-1	m-Xylene & p-Xylene	106.17	0.087	U	0.087	0.087
1330-20-7	Xylenes, Total	106.17	0.043	U	0.043	0.043
108-90-7	Chlorobenzene	112.56	0.18	U	0.18	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzkto15.b/efzk005.d
Lab Smp Id: mb
Inj Date : 22-NOV-2013 14:32
Operator : wrd Inst ID: E.i
Smp Info : mb
Misc Info : 500,1,mb
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	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.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.357	7.347	(0.742)	8330	0.03812	0.038(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

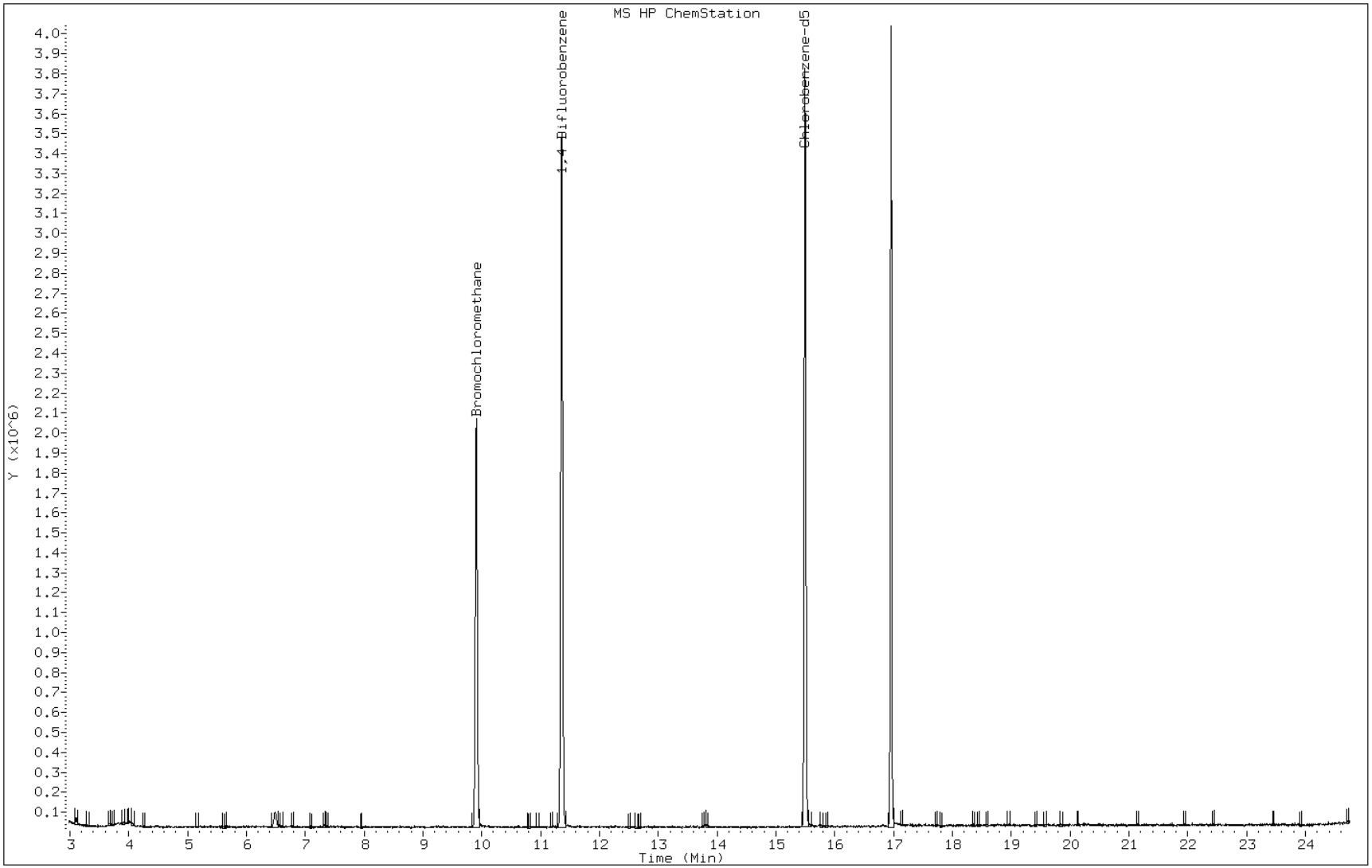
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	639681	2.00000	
	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	11.359	11.359	(1.000)	3313159	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	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	15.494	15.494	(1.000)	2304036	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylene, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	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.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: efzk005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 22-NOV-2013 14:32
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Client Sample ID: Lab Sample ID: LCS 200-65026/3

Matrix: Air Lab File ID: efzk003.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 11/22/2013 13:37

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.: 65026 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.243		0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.209		0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.209		0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.211		0.010	0.010
71-43-2	Benzene	78.11	0.217		0.010	0.010
79-01-6	Trichloroethene	131.39	0.209		0.010	0.010
108-88-3	Toluene	92.14	0.200		0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.220		0.010	0.010
100-41-4	Ethylbenzene	106.17	0.207		0.010	0.010
95-47-6	o-Xylene	106.17	0.178		0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.370		0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.548		0.010	0.010
108-90-7	Chlorobenzene	112.56	0.215		0.040	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efzkto15.b/efzk003.d
Lab Smp Id: lcs 556610
Inj Date : 22-NOV-2013 13:37
Operator : wrd Inst ID: E.i
Smp Info : lcs 556610
Misc Info : 500,1,lcs
Comment :
Method : /chem/E.i/Esvr.p/efzkto15.b/to15ll3t.m
Meth Date : 25-Nov-2013 16:14 wrd Quant Type: ISTD
Cal Date : 13-SEP-2013 22:37 Cal File: efz013.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.158	3.163	(0.319)	184750	0.23885	0.24
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.388	3.393	(0.342)	168801	0.24846	0.25
5 Chloromethane	50	3.522	3.522	(0.355)	37543	0.23781	0.24
7 Vinyl chloride	62	3.730	3.730	(0.376)	41614	0.24261	0.24
8 1,3-Butadiene	54	3.800	3.795	(0.383)	24791	0.22778	0.23
9 Bromomethane	94	4.399	4.399	(0.444)	47142	0.21435	0.21
10 Chloroethane	64	4.602	4.602	(0.464)	20296	0.24211	0.24
12 Vinyl bromide	106	4.977	4.977	(0.502)	54061	0.22395	0.22
13 Trichlorofluoromethane	101	5.079	5.084	(0.512)	156893	0.23372	0.23
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.213	(0.626)	82834	0.23940	0.24
19 1,1-Dichloroethene	96	6.266	6.266	(0.632)	35737	0.20943	0.21
22 Allyl chloride	41	7.058	7.058	(0.712)	39156	0.23788	0.24
25 Methylene chloride	49	7.341	7.347	(0.741)	52982	0.25763	0.26
27 1,2-Dichloroethene (trans)	61	7.780	7.780	(0.785)	56180	0.20905	0.21

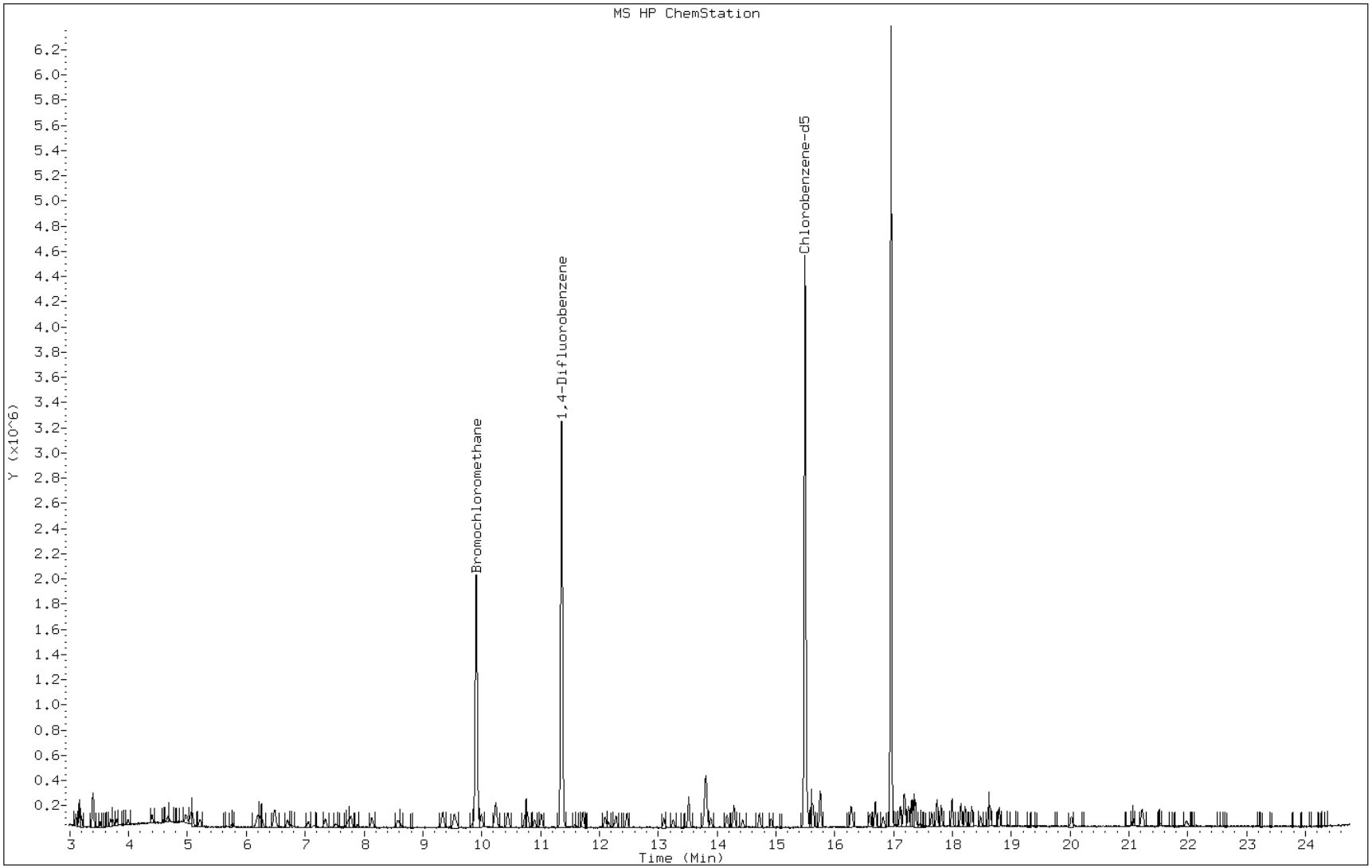
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.737	7.732	(0.781)	90606	0.20850	0.21
	30 n-Hexane	57	8.133	8.133	(0.821)	48401	0.21774	0.22
	31 1,1-Dichloroethane	63	8.577	8.577	(0.866)	70767	0.21347	0.21
M	33 1,2-Dichloroethene, Total	61				91719	0.41960	0.42
	34 1,2-Dichloroethene (cis)	96	9.530	9.535	(0.962)	35539	0.21055	0.21
*	36 Bromochloromethane	128	9.909	9.915	(1.000)	601971	2.00000	
	39 Chloroform	83	9.995	10.006	(1.009)	91632	0.22972	0.23
	40 Cyclohexane	84	10.236	10.241	(0.901)	48647	0.20306	0.20
	41 1,1,1-Trichloroethane	97	10.246	10.236	(0.902)	100009	0.24752	0.25
	42 Carbon tetrachloride	117	10.439	10.450	(0.919)	95571	0.24993	0.25
	43 2,2,4-Trimethylpentane	57	10.744	10.733	(0.946)	152967	0.21409	0.21
	44 Benzene	78	10.781	10.787	(0.949)	106404	0.21722	0.22
	45 1,2-Dichloroethane	62	10.899	10.899	(0.959)	63536	0.25465	0.25
	46 n-Heptane	43	11.011	11.011	(0.969)	47179	0.17323	0.17
*	47 1,4-Difluorobenzene	114	11.359	11.359	(1.000)	2997694	2.00000	
	49 Trichloroethene	95	11.723	11.723	(1.032)	48525	0.20864	0.21
	50 1,2-Dichloropropane	63	12.097	12.097	(1.065)	31300	0.17312	0.17(Q)
	54 Bromodichloromethane	83	12.467	12.467	(1.097)	86260	0.24430	0.24
	55 1,3-Dichloropropene (cis)	75	13.098	13.098	(1.153)	45792	0.19261	0.19
	58 Toluene	92	13.520	13.515	(0.873)	65328	0.20005	0.20
	59 1,3-Dichloropropene (trans)	75	13.900	13.900	(1.224)	48396	0.20432	0.20
	60 1,1,2-Trichloroethane	83	14.173	14.168	(0.915)	30133	0.17416	0.17(Q)
	61 Tetrachloroethene	166	14.291	14.291	(0.922)	59178	0.22003	0.22
	63 Dibromochloromethane	129	14.719	14.729	(0.950)	64973	0.23138	0.23
	64 1,2-Dibromoethane	107	14.922	14.922	(0.963)	56349	0.22121	0.22
*	65 Chlorobenzene-d5	117	15.494	15.494	(1.000)	2704356	2.00000	
	66 Chlorobenzene	112	15.532	15.532	(1.002)	88105	0.21471	0.21
	67 Ethylbenzene	91	15.607	15.601	(1.007)	135503	0.20709	0.21
	69 Xylene (m,p)	106	15.751	15.751	(1.017)	90974	0.36993	0.37
M	70 Xylene, Total	106				135695	0.54841	0.55
	71 Xylene (o)	106	16.276	16.270	(1.050)	44721	0.17848	0.18
	73 Bromoform	173	16.602	16.597	(1.071)	50241	0.22165	0.22
	75 1,1,2,2-Tetrachloroethane	83	17.115	17.110	(1.105)	78454	0.19099	0.19
	79 4-Ethyltoluene	105	17.303	17.303	(1.117)	140777	0.22900	0.23
	81 1,3,5-Trimethylbenzene	105	17.372	17.367	(1.121)	112166	0.22135	0.22
	84 1,2,4-Trimethylbenzene	105	17.811	17.806	(1.149)	89280	0.16963	0.17

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efzk003.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 556610
Lab Sample ID: lcs 556610

Date: 22-NOV-2013 13:37
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



GC/MS INSTRUMENT RUN LOG

61363

Sequence				Standard Traceability		Instrument Information
Batch ID: EF2	Start Date: 9/13/13	Time: 1145		ISTD Lot #: 248059		Instrument ID: E
Test Method: TO15L	End Date: 9/14/13	Time: 1145		CAL STD Lot # 200 comment		Instrument: 5973
ICAL Date:				ICV / LCS Lot # 200 comment		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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1145	EP2001		BFB	NA			WD	NA	NA	WD	
1236	02	4983	VIBLK		2	500					
1330	03	1	VIBLK		2	500					
1425	04	3093	IC		3	100			✓		556614
1520	05	1	IC		3	200			✓		+
1615	06	1	IC		3	400			✓		
1709	07	2052	IC		4	100			✓		556615
1804	08	1	ICIS		4	200			✓		+
1859	09	1	IC		4	500			✓		
1954	10	5458	IC		5	25			✓		554191
2048	11		IC		5	100			✓		
2143	12		IC		5	150			✓		
2239	13		IC		5	200			✓		+
2331	14	4983	VIBLK		2	500			✓		
0028	15	4983	VIBLK		2	500			✓		
0119	16	2990	ICV		6	200		✓	✓		556609
0213	17	3631	LCS		7	200		✓	✓		556610
0308	18	4983	MB	✓	2	500	✓	✓	✓	✓	

9/16/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

#65826

Sequence				Standard Traceability		Instrument Information
Batch ID: EP2K	Start Date: 11/22/13	Time: 1104		ISTD Lot #:	248059	Instrument ID: E
Test Method: TO15LL	End Date: 11/23/13	Time: 1104		CAL STD Lot #	557.615	Instrument: 5973
ICAL Date: 6/3&3				ICV / LCS Lot #	55600	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1154	EP2K001		BFB				MRD			MRD	
1242	02	2502	CCV5		2	200			✓		
1337	03	3431	LCS		3	1		✓	✓		
1432	04	4983	MB		5	500		✓	✓		
1526	06	3248	19491-1 5	2.99	6	167		✓	✓		
1621	07	3350	-2	3.00	7	215		✓	✓		CDF 1.29
1715	08	4068	-3	3.00	8	222		✓	✓		CDF 1.33
1810	09	4301	-4	2.99	9			✓	✓		
1905	10	2611	-5		10			✓	✓		
2000	11	3160	-6		11			✓	✓		
2054	12	2620	-7		12			✓	✓		

11/25/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Instrument ID: E.i Start Date: 09/13/2013 11:45

Analysis Batch Number: 61363 End Date: 09/14/2013 03:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-61363/1		09/13/2013 11:45	1	efz001.d	RTX-624 0.32(mm)
VIBLK 200-61363/2		09/13/2013 12:36	1		RTX-624 0.32(mm)
VIBLK 200-61363/3		09/13/2013 13:30	1		RTX-624 0.32(mm)
IC 200-61363/4		09/13/2013 14:25	1	efz004.d	RTX-624 0.32(mm)
IC 200-61363/5		09/13/2013 15:20	1	efz005.d	RTX-624 0.32(mm)
IC 200-61363/6		09/13/2013 16:15	1	efz006.d	RTX-624 0.32(mm)
IC 200-61363/7		09/13/2013 17:09	1	efz007.d	RTX-624 0.32(mm)
ICIS 200-61363/8		09/13/2013 18:04	1	efz008.d	RTX-624 0.32(mm)
IC 200-61363/9		09/13/2013 18:59	1	efz009.d	RTX-624 0.32(mm)
IC 200-61363/10		09/13/2013 19:54	1	efz010.d	RTX-624 0.32(mm)
IC 200-61363/11		09/13/2013 20:48	1	efz011.d	RTX-624 0.32(mm)
IC 200-61363/12		09/13/2013 21:43	1	efz012.d	RTX-624 0.32(mm)
IC 200-61363/13		09/13/2013 22:37	1	efz013.d	RTX-624 0.32(mm)
VIBLK 200-61363/14		09/13/2013 23:31	1		RTX-624 0.32(mm)
VIBLK 200-61363/15		09/14/2013 00:25	1		RTX-624 0.32(mm)
ICV 200-61363/16		09/14/2013 01:19	1	efz016.d	RTX-624 0.32(mm)
ZZZZZ		09/14/2013 02:13	1		RTX-624 0.32(mm)
VIBLK 200-61363/18		09/14/2013 03:08	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-19497-1

SDG No.: 200-19497-1

Instrument ID: E.i Start Date: 11/22/2013 11:54

Analysis Batch Number: 65026 End Date: 11/22/2013 20:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-65026/1		11/22/2013 11:54	1	efzk001.d	RTX-624 0.32(mm)
CCVIS 200-65026/2		11/22/2013 12:42	1	efzk002.d	RTX-624 0.32(mm)
LCS 200-65026/3		11/22/2013 13:37	1	efzk003.d	RTX-624 0.32(mm)
MB 200-65026/4		11/22/2013 14:32	1	efzk005.d	RTX-624 0.32(mm)
200-19497-1	SV40811-111113	11/22/2013 15:26	2.99	efzk006.d	RTX-624 0.32(mm)
200-19497-2	SV40771-111113	11/22/2013 16:21	3	efzk007.d	RTX-624 0.32(mm)
200-19497-3	SV40812-111113	11/22/2013 17:15	2.99	efzk008.d	RTX-624 0.32(mm)
200-19497-4	SV40772-111113	11/22/2013 18:10	2.99	efzk009.d	RTX-624 0.32(mm)
200-19497-5	CS40811-111113	11/22/2013 19:05	2.99	efzk010.d	RTX-624 0.32(mm)
200-19497-6	DUP-111113	11/22/2013 20:00	2.99	efzk011.d	RTX-624 0.32(mm)
200-19497-7	BG-111113	11/22/2013 20:54	2.99	efzk012.d	RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Walter Cole	200-19497	11/13/13	2030	29.8	22	G-8	VS

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) MA MCP: Check return flow rate for flow controllers		✓	
(4) 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	3248	-2.8	N	4681	Y	3248 WAJAD	
2	3350	-10.4	Y	4890		3350 WAJAD	
3	4068	-10.3	Y	4868		4068 WAJAD	
4	4301	0.0	Y	4698		4301 WAJAD	
5	2611	0.0	Y	3184		2611 WAJAD	
6	3160	-6.4	N	2775		3160 WAJAD	
7	2620	-5.4	N	4054	↓	2620 WAJAD	

VS
11/13/13

[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 # 56/p10/p22/p26/p30

Summa Canister Dilution Worksheet

Client: Terracon Consultants Inc fka Gallet Asso

Job No.: 200-19497-1
SDG No.: 200-19497-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Date	Analyst
200-19497-2	6	-10.4	0.65	3.91	-2.3	0.84	5.06		1.29	1.29	11/14/13 16:16	Daigle, Paul A
200-19497-3	6	-10.3	0.66	3.93	-1.9	0.87	5.22		1.33	1.33	11/14/13 16:19	Daigle, Paul A

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg

Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig

Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)

14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

Pre-Shipment Clean Canister Certification Report

200-19202-A-1
4301
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581912

Loc: 200
19202
#1
A

Certification Type: ☐ Batch ☑ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		
OVEN	15	10/30/13	MT	6L	1L	3L

Port	Can ID	Leak Test Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4301	-29.8	-30.1	-29.8	0.3
2	4544				
3	3443				
4	4068				
5	3350				
6	3138				
7	4385				
8	3248				
9	2620				
10	4369				
11	2611				
12	3160				

Initial Reading		Final Reading	
Gauge ID:	G-8	Gauge ID:	66
Date:	10/31/13	Date:	11/6/13
Time:	1000	Time:	1130
Tech:	✓	Tech:	MT
BP:	29.8 ("Hg)	BP:	29.8 ("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
4301	11/4/13	WAJAD	WM		✓				11/07/13	AM
4544	1	1	1		✓				1	1
~~3443~~										
4068	11/4/13	WAJAD	WM		✓				11/07/13	AM
3350	1	1	1		✓				1	1
3138					✓					
4385					✓					
3248					✓					
2620					✓					
4369					✓					
2611					✓					
3160					✓					

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

200-19202-A-2
4544
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581913

Loc: 200
19202
#2
A

200-19202-A-3
3143
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581914

Loc: 200
19202
#3
A

200-19202-A-4
4066
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581915

Loc: 200
19202
#4
A

200-19202-A-5
3360
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581916

Loc: 200
19202
#5
A

200-19202-A-6
3138
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581917

Loc: 200
19202
#6
A

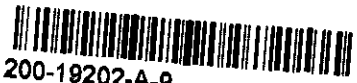
200-19202-A-7
4386
Location: Air-Storage
Bottle: Summa Canister
Sampled: 10/30/2013 1:

200-19202-A-7
4386
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581918

Loc: 200
19202
#7
A

200-19202-A-8
3246
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581919

Loc: 200
19202
#8
A



200-19202-A-9
2620
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581920

Loc: 200
19202
#9
A

200-19202-A-10
4369
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581921

Loc: 200
19202
#10
A

200-19202-A-11
2611
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581922

Loc: 200
19202
#11
A

200-19202-A-12
3160
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/30/2013 12:00 AM 200-581923

Loc: 200
19202
#12
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Matrix: Air Level: Low Lab File ID: wajad003.d

Lab ID: LCS 200-63848/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.42	94	70-130	
Dichlorodifluoromethane	10.0	10.9	109	70-130	
Freon 22	10.0	10.7	107	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.6	106	70-130	
Chloromethane	10.0	10.0	100	70-130	
n-Butane	10.0	9.57	96	70-130	
Vinyl chloride	10.0	9.77	98	70-130	
1,3-Butadiene	10.0	9.83	98	70-130	
Bromomethane	10.0	10.7	107	70-130	
Chloroethane	10.0	10.7	107	70-130	
Bromoethene(Vinyl Bromide)	10.0	11.2	112	70-130	
Trichlorofluoromethane	10.0	11.0	110	70-130	
Ethanol	15.0	12.3	82	70-130	
Freon TF	10.0	11.7	117	70-130	
1,1-Dichloroethene	10.0	12.0	120	70-130	
Acetone	10.0	11.1	111	70-130	
Isopropyl alcohol	10.0	9.49	95	70-130	
Carbon disulfide	10.0	10.8	108	70-130	
3-Chloropropene	10.0	9.85	99	70-130	
Methylene Chloride	10.0	10.9	109	70-130	
tert-Butyl alcohol	10.0	9.79	98	70-130	
Methyl tert-butyl ether	10.0	10.8	108	70-130	
trans-1,2-Dichloroethene	10.0	10.6	106	70-130	
n-Hexane	10.0	10.5	105	70-130	
1,1-Dichloroethane	10.0	10.6	106	70-130	
Vinyl acetate	10.0	10.3	103	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	9.49	95	70-130	
cis-1,2-Dichloroethene	10.0	10.9	109	70-130	
Chloroform	10.0	10.9	109	70-130	
Tetrahydrofuran	10.0	10.5	105	70-130	
1,1,1-Trichloroethane	10.0	11.4	114	70-130	
Cyclohexane	10.0	11.2	112	70-130	
Carbon tetrachloride	10.0	11.8	118	70-130	
2,2,4-Trimethylpentane	10.0	10.9	109	70-130	
Benzene	10.0	10.8	108	70-130	
1,2-Dichloroethane	10.0	10.9	109	70-130	
n-Heptane	10.0	9.90	99	70-130	
Trichloroethene	10.0	11.1	111	70-130	
Methyl methacrylate	10.0	10.8	108	70-130	
1,2-Dichloropropane	10.0	10.7	107	70-130	
1,4-Dioxane	10.0	9.40	94	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Matrix: Air Level: Low Lab File ID: wajad003.d

Lab ID: LCS 200-63848/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.7	117	70-130	
cis-1,3-Dichloropropene	10.0	11.0	110	70-130	
methyl isobutyl ketone	10.0	11.0	110	70-130	
Toluene	10.0	11.1	111	70-130	
trans-1,3-Dichloropropene	10.0	11.2	112	70-130	
1,1,2-Trichloroethane	10.0	10.7	107	70-130	
Tetrachloroethene	10.0	11.5	115	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.7	107	70-130	
Dibromochloromethane	10.0	12.6	126	70-130	
1,2-Dibromoethane	10.0	11.1	111	70-130	
Chlorobenzene	10.0	10.8	108	70-130	
Ethylbenzene	10.0	11.2	112	70-130	
m,p-Xylene	20.0	22.5	112	70-130	
Xylene, o-	10.0	10.9	109	70-130	
Styrene	10.0	11.3	113	70-130	
Bromoform	10.0	13.2	132	70-130	*
Cumene	10.0	11.8	118	70-130	
1,1,2,2-Tetrachloroethane	10.0	10.9	109	70-130	
n-Propylbenzene	10.0	12.1	121	70-130	
4-Ethyltoluene	10.0	12.3	123	70-130	
1,3,5-Trimethylbenzene	10.0	11.6	116	70-130	
2-Chlorotoluene	10.0	11.8	118	70-130	
tert-Butylbenzene	10.0	11.8	118	70-130	
1,2,4-Trimethylbenzene	10.0	11.5	115	70-130	
sec-Butylbenzene	10.0	12.1	121	70-130	
4-Isopropyltoluene	10.0	12.3	123	70-130	
1,3-Dichlorobenzene	10.0	11.4	114	70-130	
1,4-Dichlorobenzene	10.0	11.4	114	70-130	
Benzyl chloride	10.0	11.5	115	70-130	
n-Butylbenzene	10.0	12.5	125	70-130	
1,2-Dichlorobenzene	10.0	11.1	111	70-130	
1,2,4-Trichlorobenzene	10.0	9.70	97	70-130	
Hexachlorobutadiene	10.0	11.9	119	70-130	
Naphthalene	10.0	8.85	88	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab File ID: wajad004.d Lab Sample ID: MB 200-63848/4

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

Instrument ID: W.i Date Analyzed: 11/04/2013 10:54

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 200-63848/3	wajad003.d	11/04/2013 10:05
4301	200-19202-1	wajad010.d	11/04/2013 16:55
4544	200-19202-2	wajad011.d	11/04/2013 18:04
4068	200-19202-4	wajad012.d	11/04/2013 19:12
3350	200-19202-5	wajad013.d	11/04/2013 20:19
3138	200-19202-6	wajad014.d	11/04/2013 21:25
4385	200-19202-7	wajad015.d	11/04/2013 22:34
3248	200-19202-8	wajad016.d	11/04/2013 23:42
2620	200-19202-9	wajad017.d	11/05/2013 00:49
4369	200-19202-10	wajad018.d	11/05/2013 01:55
2611	200-19202-11	wajad019.d	11/05/2013 03:02
3160	200-19202-12	wajad020.d	11/05/2013 04:09

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-63848/4

Matrix: Air Lab File ID: wajad004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/04/2013 10:54

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.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-63848/4

Matrix: Air | Lab File ID: wajad004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 11/04/2013 10:54

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.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-63848/4

Matrix: Air Lab File ID: wajad004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/04/2013 10:54

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.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/W.i/Wsvr.p/wajadt15.b/wajad004.d
Lab Smp Id: mb
Inj Date : 04-NOV-2013 10:54
Operator : wrd Inst ID: W.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.791	8.775	(0.683)	31884	0.66986	0.67(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.064	9.048	(0.704)	5275	0.13631	0.14(aM)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	9.754	9.765	(0.758)	2473	0.06580	0.066(a)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	12.429	12.418	(0.966)	1449	0.05854	0.059(aQ)
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	369161	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	14.762	14.772	(1.000)	1793152	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

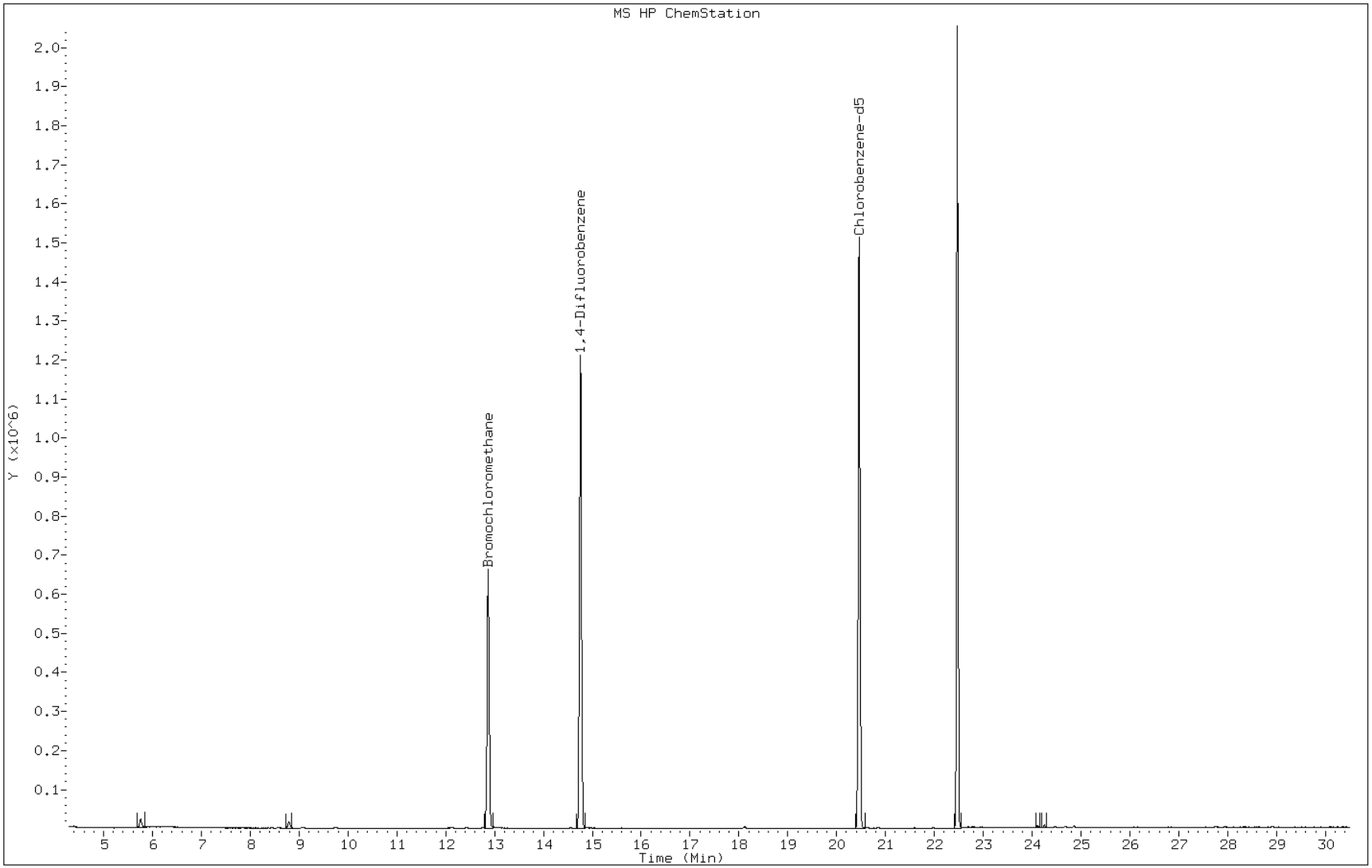
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	20.459	20.470	(1.000)	1573205	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

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: wajad004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 04-NOV-2013 10:54
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: wajad004.d
Lab Sample ID: mb
Inj. Date and Time: 04-NOV-2013 10:54
Instrument ID: W.i
Client ID:
Compound: 22 Isopropanol
CAS #: 67-63-0
Report Date: 11/06/2013

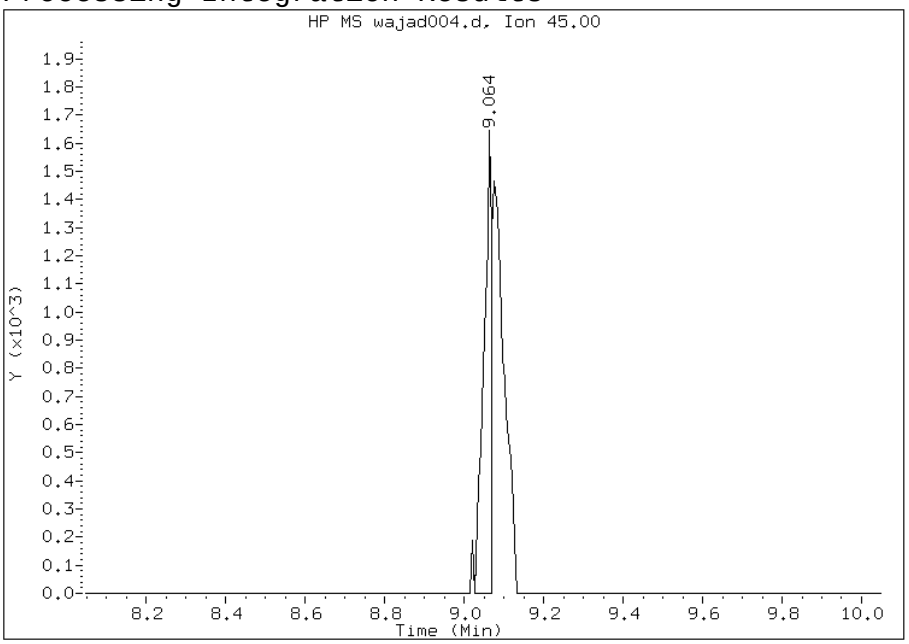
Processing Integration Results

RT: 9.06

Response: 2296

Amount: 0.059332

Conc: 0.059332



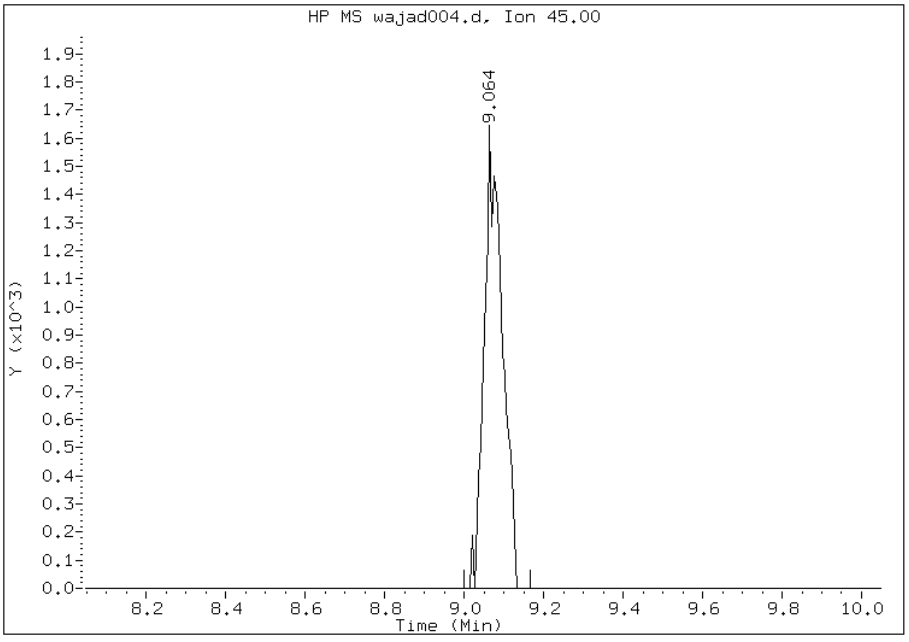
Manual Integration Results

RT: 9.06

Response: 5275

Amount: 0.136306

Conc: 0.136306



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab File ID: waj001.d BFB Injection Date: 09/19/2013

Instrument ID: W.i BFB Injection Time: 08:14

Analysis Batch No.: 61437

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	43.2	
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	(0.5)1
174	50.0 - 120.0% of mass 95	108.3	
175	4.0 - 9.0 % of mass 174	7.7	(7.1)1
176	93.0 - 101.0% of mass 174	106.1	(98.0)1
177	5.0 - 9.0% of mass 176	7.0	(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
	IC 200-61437/4	waj004.d	09/19/2013	10:39
	IC 200-61437/5	waj005.d	09/19/2013	11:27
	IC 200-61437/6	waj006.d	09/19/2013	12:18
	IC 200-61437/7	waj007.d	09/19/2013	13:07
	ICIS 200-61437/8	waj008.d	09/19/2013	13:55
	IC 200-61437/9	waj009.d	09/19/2013	14:43
	IC 200-61437/10	waj010.d	09/19/2013	15:32
	IC 200-61437/11	waj011.d	09/19/2013	16:21
	ICV 200-61437/14	waj014.d	09/19/2013	18:47

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab File ID: wajad001.d BFB Injection Date: 11/04/2013

Instrument ID: W.i BFB Injection Time: 08:24

Analysis Batch No.: 63848

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.9	
75	30.0 - 66.0% of mass 95	42.8	
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	111.8	
175	4.0 - 9.0 % of mass 174	7.9	(7.0)1
176	93.0 - 101.0% of mass 174	108.7	(97.2)1
177	5.0 - 9.0% of mass 176	7.4	(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 200-63848/2	wajad002.d	11/04/2013	09:13
	LCS 200-63848/3	wajad003.d	11/04/2013	10:05
	MB 200-63848/4	wajad004.d	11/04/2013	10:54
4301	200-19202-1	wajad010.d	11/04/2013	16:55
4544	200-19202-2	wajad011.d	11/04/2013	18:04
4068	200-19202-4	wajad012.d	11/04/2013	19:12
3350	200-19202-5	wajad013.d	11/04/2013	20:19
3138	200-19202-6	wajad014.d	11/04/2013	21:25
4385	200-19202-7	wajad015.d	11/04/2013	22:34
3248	200-19202-8	wajad016.d	11/04/2013	23:42
2620	200-19202-9	wajad017.d	11/05/2013	00:49
4369	200-19202-10	wajad018.d	11/05/2013	01:55
2611	200-19202-11	wajad019.d	11/05/2013	03:02
3160	200-19202-12	wajad020.d	11/05/2013	04:09

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

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Sample No.: ICIS 200-61437/8 Date Analyzed: 09/19/2013 13:55

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): waj008.d Heated Purge: (Y/N) N

Calibration ID: 23364

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		671547	12.88	3224788	14.77	3031590	20.47
UPPER LIMIT		940166	13.21	4514703	15.10	4244226	20.80
LOWER LIMIT		402928	12.55	1934873	14.44	1818954	20.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-61437/14		680458	12.89	3284503	14.78	3057932	20.48

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Sample No.: CCVIS 200-63848/2 Date Analyzed: 11/04/2013 09:13

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): wajad002.d Heated Purge: (Y/N) N

Calibration ID: 23364

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		372378	12.87	1758045	14.76	1663336	20.46
UPPER LIMIT		521329	13.20	2461263	15.09	2328670	20.79
LOWER LIMIT		223427	12.54	1054827	14.43	998002	20.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-63848/3		397429	12.87	1887215	14.76	1733662	20.46
MB 200-63848/4		369161	12.87	1793152	14.76	1573205	20.46
200-19202-1	4301	378657	12.87	1828716	14.76	1614677	20.46
200-19202-2	4544	362914	12.87	1743842	14.76	1504676	20.46
200-19202-4	4068	354307	12.88	1720474	14.77	1524842	20.46
200-19202-5	3350	332245	12.87	1575240	14.76	1416131	20.46
200-19202-6	3138	351048	12.87	1698585	14.76	1501820	20.46
200-19202-7	4385	339687	12.87	1637551	14.76	1402254	20.46
200-19202-8	3248	345877	12.88	1665485	14.76	1471123	20.46
200-19202-9	2620	332780	12.88	1590582	14.77	1403283	20.46
200-19202-10	4369	336461	12.87	1617433	14.76	1430292	20.46
200-19202-11	2611	324977	12.87	1535141	14.76	1364570	20.46
200-19202-12	3160	336631	12.87	1611463	14.76	1423037	20.46

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4301 | Lab Sample ID: 200-19202-1

Matrix: Air | Lab File ID: wajad010.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 16:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4301 | Lab Sample ID: 200-19202-1

Matrix: Air | Lab File ID: wajad010.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 16:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4301 Lab Sample ID: 200-19202-1

Matrix: Air Lab File ID: wajad010.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 16:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-1
Client Smp ID: 4301
Inj Date : 04-NOV-2013 16:55
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-1
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 8
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

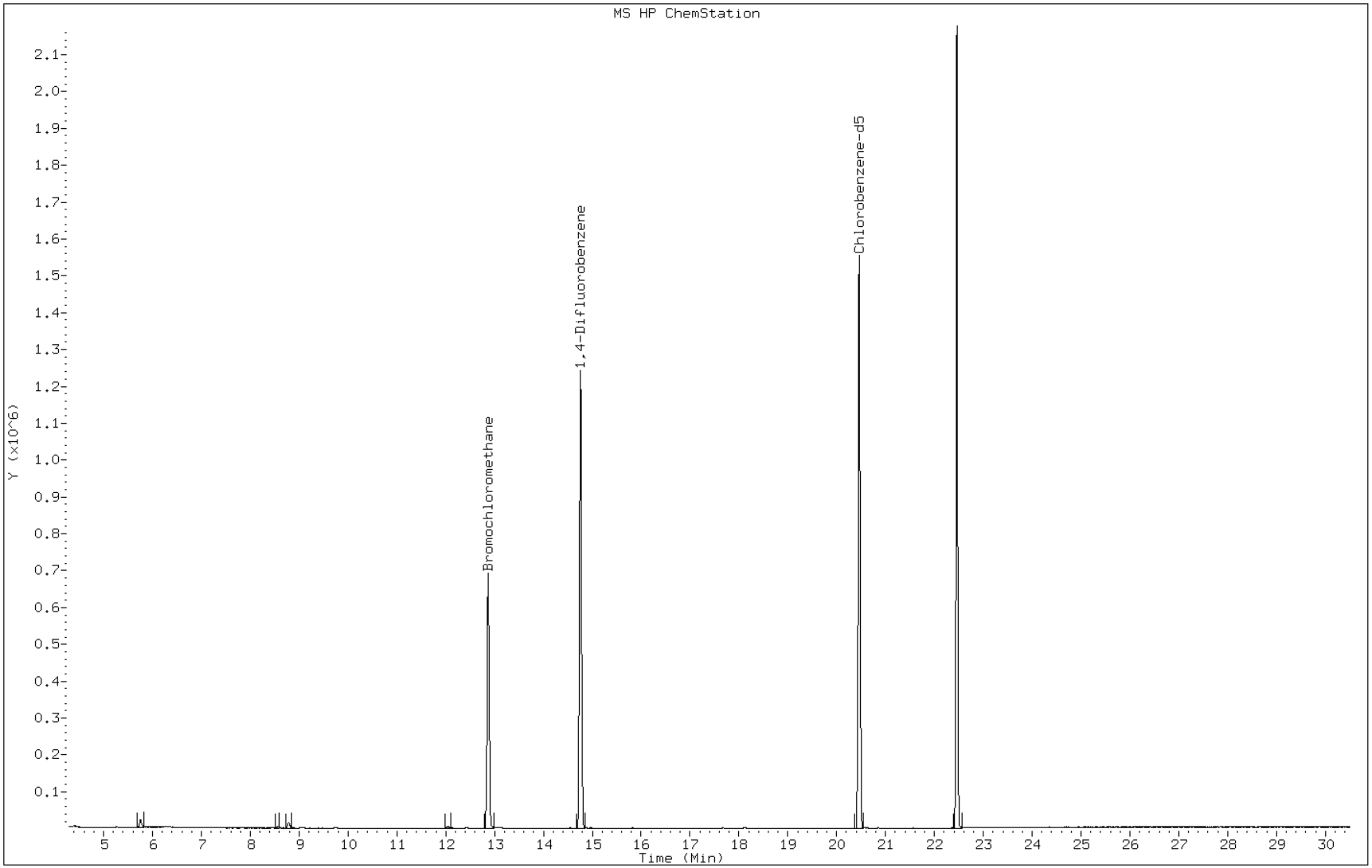
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	8.791	8.775	(0.683)	29723	0.60880	0.12(a)
21	Carbon disulfide	76	Compound Not Detected.					
22	Isopropanol	45	Compound Not Detected.					
23	Allyl chloride	41	Compound Not Detected.					
25	Methylene chloride	49	9.744	9.765	(0.757)	2333	0.06052	0.012(aQ)
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.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	12.429	12.418	(0.966)	1614	0.06357	0.013(aQ)
* 37	Bromochloromethane	128	12.868	12.884	(1.000)	378657	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	14.762	14.772	(1.000)	1828716	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.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	20.459	20.470	(1.000)	1614677	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	wajad010.d	Date:	04-NOV-2013 16:55
Client ID:	4301	Instrument:	W.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19202-A-1		
Lab Sample ID:	200-19202-1		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4544 Lab Sample ID: 200-19202-2

Matrix: Air Lab File ID: wajad011.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 18:04

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4544 Lab Sample ID: 200-19202-2

Matrix: Air Lab File ID: wajad011.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 18:04

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4544 Lab Sample ID: 200-19202-2

Matrix: Air Lab File ID: wajad011.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 18:04

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-2
Client Smp ID: 4544
Inj Date : 04-NOV-2013 18:04
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-2
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 9
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	5.036	5.041	(0.391)	2089	0.06976	0.014(a)
6	Butane	43	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.					
15	Ethanol	45	7.818	7.818	(0.608)	2791	0.19149	0.038(aQ)
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.775	8.775	(0.682)	45844	0.97972	0.20(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.053	9.048	(0.704)	6937	0.18234	0.036(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.749	9.765	(0.758)	11544	0.31243	0.062(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	12.413	12.418	(0.965)	3202	0.13159	0.026(aQ)
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	362914	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	14.756	14.772	(1.000)	1743842	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1504676	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

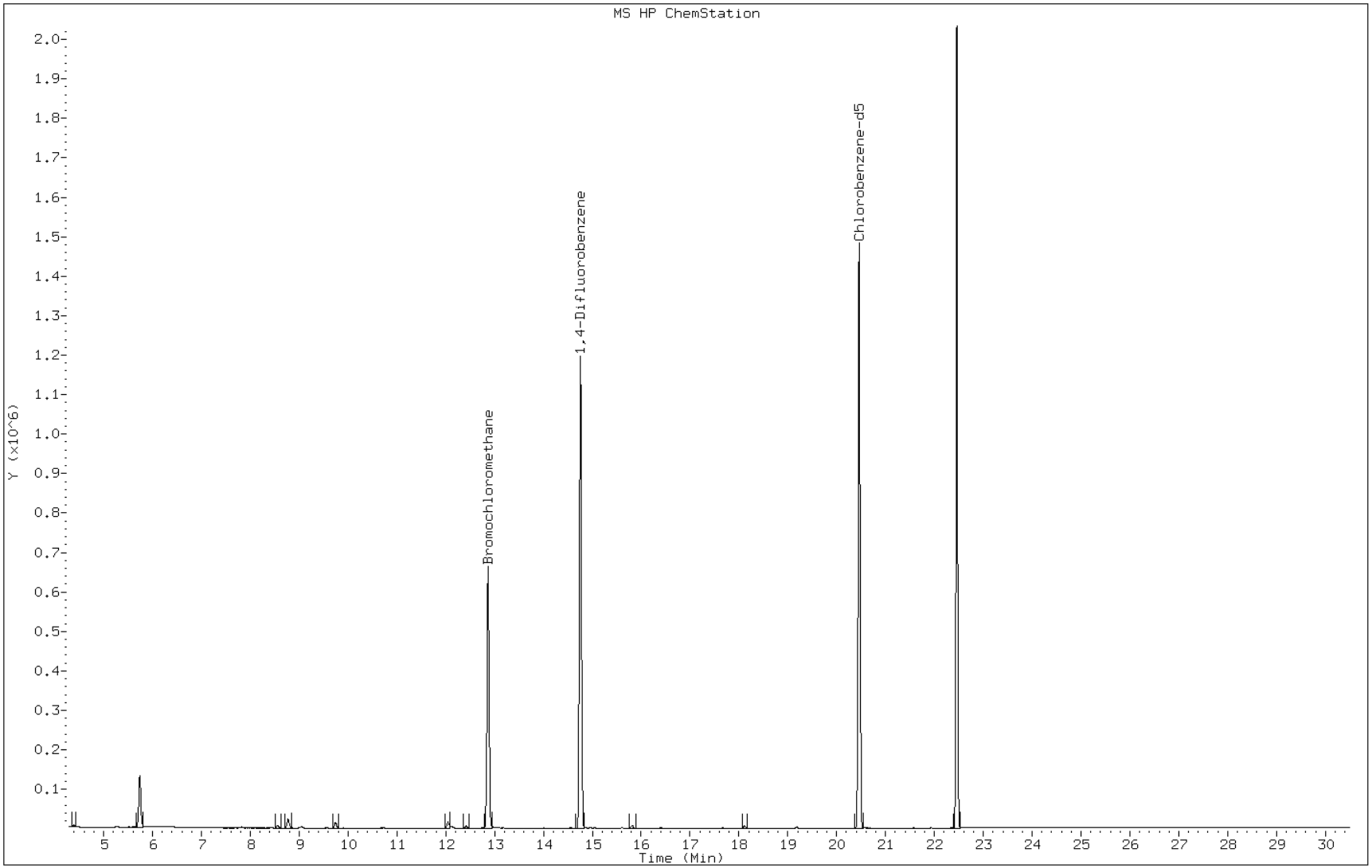
						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: wajad011.d
Client ID: 4544
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-2
Lab Sample ID: 200-19202-2

Date: 04-NOV-2013 18:04
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4068 | Lab Sample ID: 200-19202-4

Matrix: Air | Lab File ID: wajad012.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 19:12

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4068 Lab Sample ID: 200-19202-4

Matrix: Air Lab File ID: wajad012.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 19:12

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4068 Lab Sample ID: 200-19202-4

Matrix: Air Lab File ID: wajad012.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 19:12

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-4
Client Smp ID: 4068
Inj Date : 04-NOV-2013 19:12
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-4
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 10
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.818	8.775	(0.685)	32177	0.70435	0.14(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.107	9.048	(0.707)	3151	0.08484	0.017(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	12.429	12.418	(0.965)	1896	0.07981	0.016(aQ)
*	37 Bromochloromethane	128	12.878	12.884	(1.000)	354307	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	14.767	14.772	(1.000)	1720474	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.464	20.470	(1.000)	1524842	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

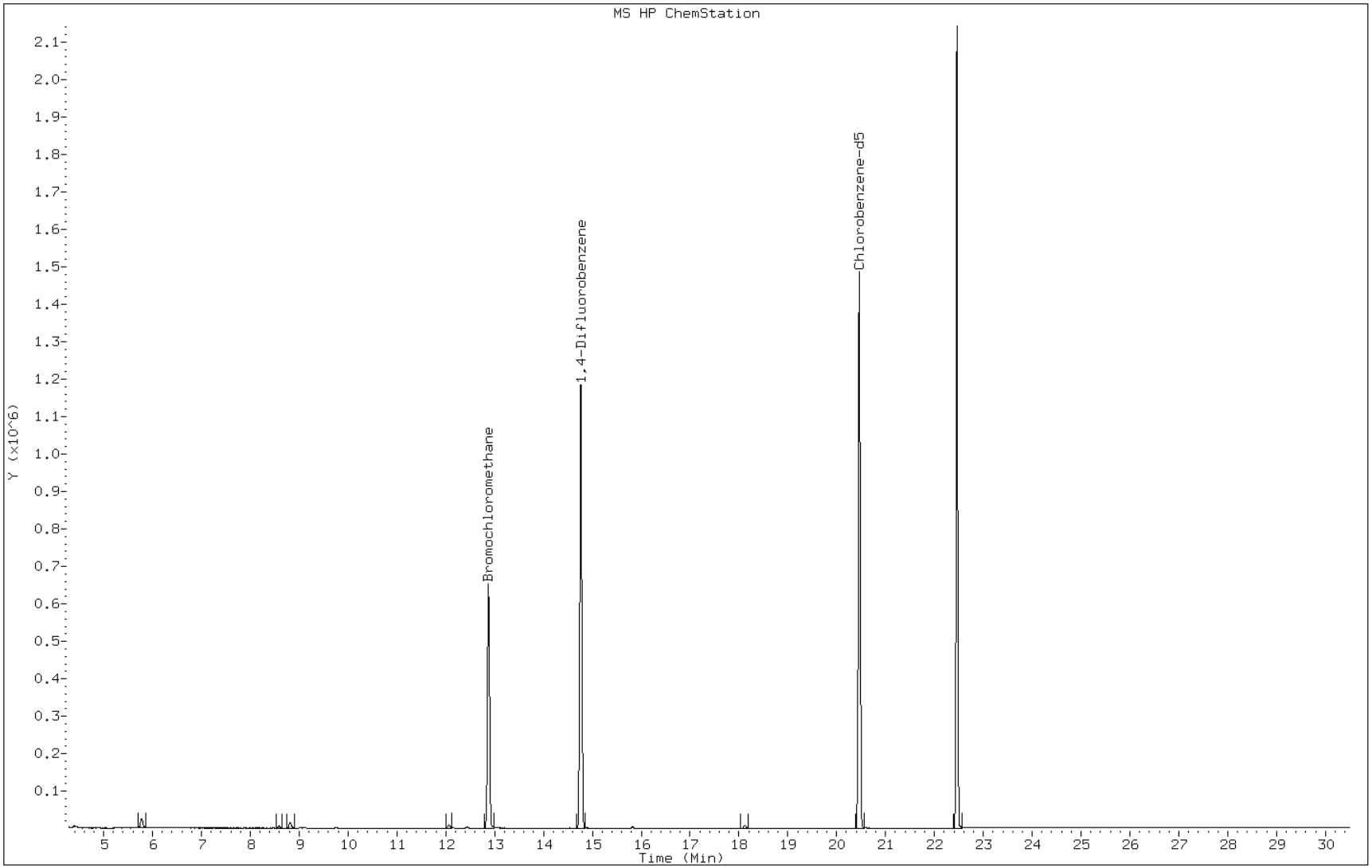
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	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.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
91	n-Butylbenzene	91	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.					
96	Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: wajad012.d
Client ID: 4068
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-4
Lab Sample ID: 200-19202-4

Date: 04-NOV-2013 19:12
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3350 Lab Sample ID: 200-19202-5

Matrix: Air Lab File ID: wajad013.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 20:19

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3350 | Lab Sample ID: 200-19202-5

Matrix: Air | Lab File ID: wajad013.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 20:19

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3350 Lab Sample ID: 200-19202-5

Matrix: Air Lab File ID: wajad013.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 20:19

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-5
Client Smp ID: 3350
Inj Date : 04-NOV-2013 20:19
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-5
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 11
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

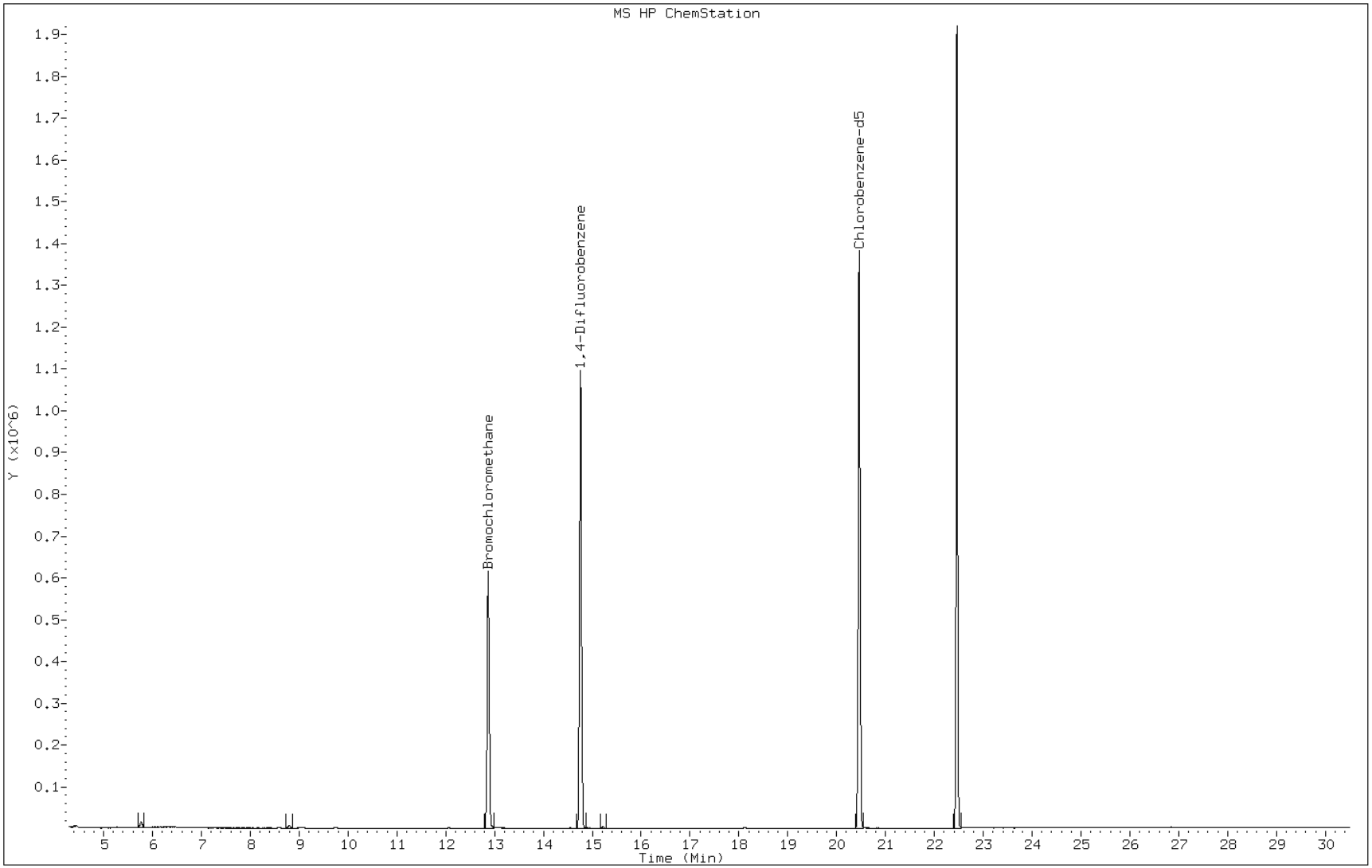
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.797	8.775	(0.683)	13270	0.30977	0.062(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.873	12.884	(1.000)	332245	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	14.762	14.772	(1.000)	1575240	10.0000	
	49 Trichloroethene	95	15.222	15.238	(1.031)	2103	0.03712	0.0074(aQ)
	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1416131	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	wajad013.d	Date:	04-NOV-2013 20:19
Client ID:	3350	Instrument:	W.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19202-A-5		
Lab Sample ID:	200-19202-5		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3138 | Lab Sample ID: 200-19202-6

Matrix: Air | Lab File ID: wajad014.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 21:25

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3138 Lab Sample ID: 200-19202-6

Matrix: Air Lab File ID: wajad014.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 21:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3138 Lab Sample ID: 200-19202-6

Matrix: Air Lab File ID: wajad014.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 21:25

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-6
Client Smp ID: 3138
Inj Date : 04-NOV-2013 21:25
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-6
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 12
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

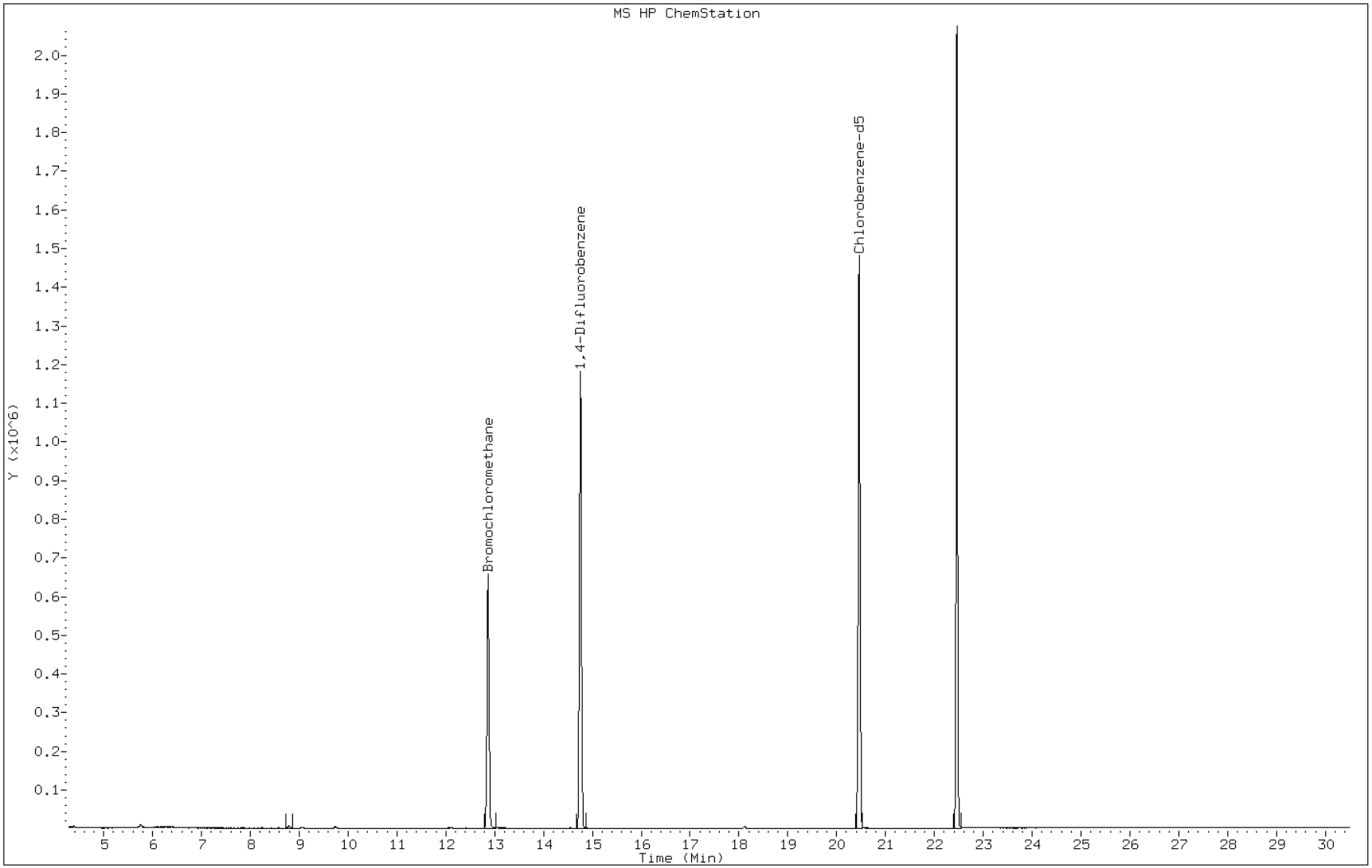
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.791	8.775	(0.683)	12211	0.26978	0.054(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.749	9.765	(0.758)	2810	0.07862	0.016(aM)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	351048	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	14.761	14.772	(1.000)	1698585	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1501820	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	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.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
91	n-Butylbenzene	91	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.					
96	Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	wajad014.d	Date:	04-NOV-2013 21:25
Client ID:	3138	Instrument:	W.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19202-A-6		
Lab Sample ID:	200-19202-6		



Manual Integration Report

Data File: wajad014.d
Lab Sample ID: 200-19202-6
Inj. Date and Time: 04-NOV-2013 21:25
Instrument ID: W.i
Client ID: 3138
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 11/06/2013

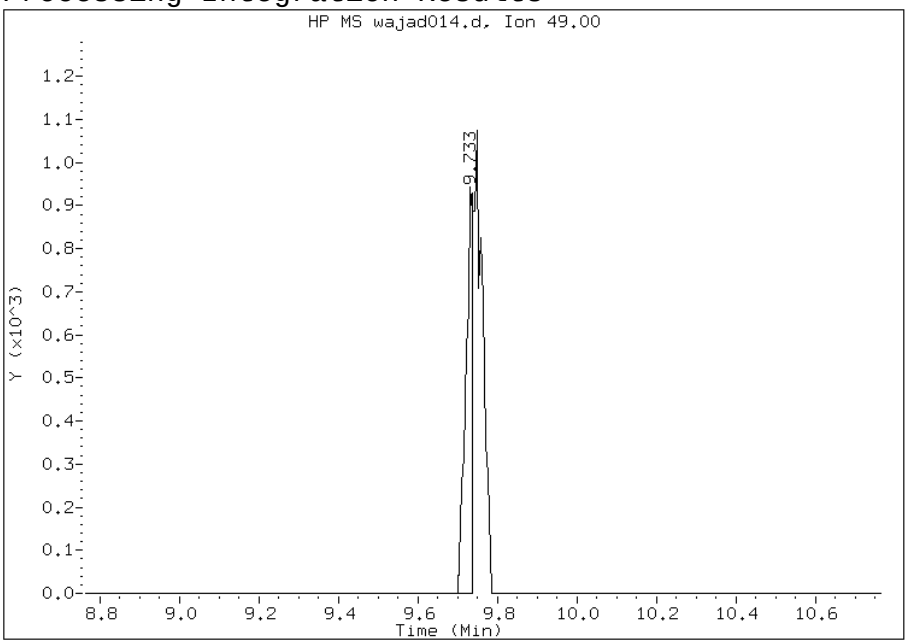
Processing Integration Results

RT: 9.73

Response: 1214

Amount: 0.033976

Conc: 0.006795



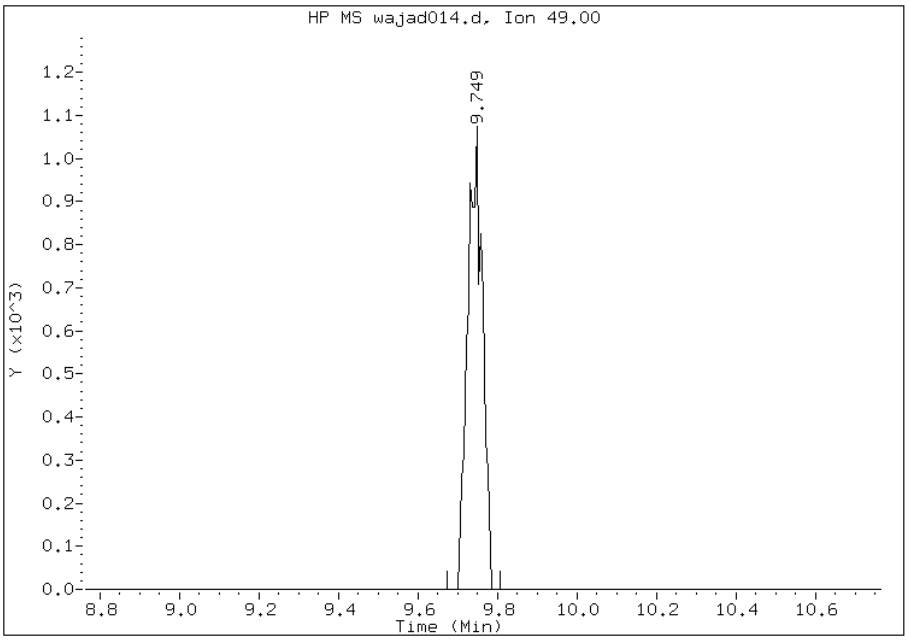
Manual Integration Results

RT: 9.75

Response: 2810

Amount: 0.078621

Conc: 0.015724



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4385 | Lab Sample ID: 200-19202-7

Matrix: Air | Lab File ID: wajad015.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 22:34

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4385 | Lab Sample ID: 200-19202-7

Matrix: Air | Lab File ID: wajad015.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 22:34

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4385 Lab Sample ID: 200-19202-7

Matrix: Air Lab File ID: wajad015.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 22:34

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-7
Client Smp ID: 4385
Inj Date : 04-NOV-2013 22:34
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-7
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 13
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	5.052	5.041	(0.393)	755	0.02694	0.0054(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

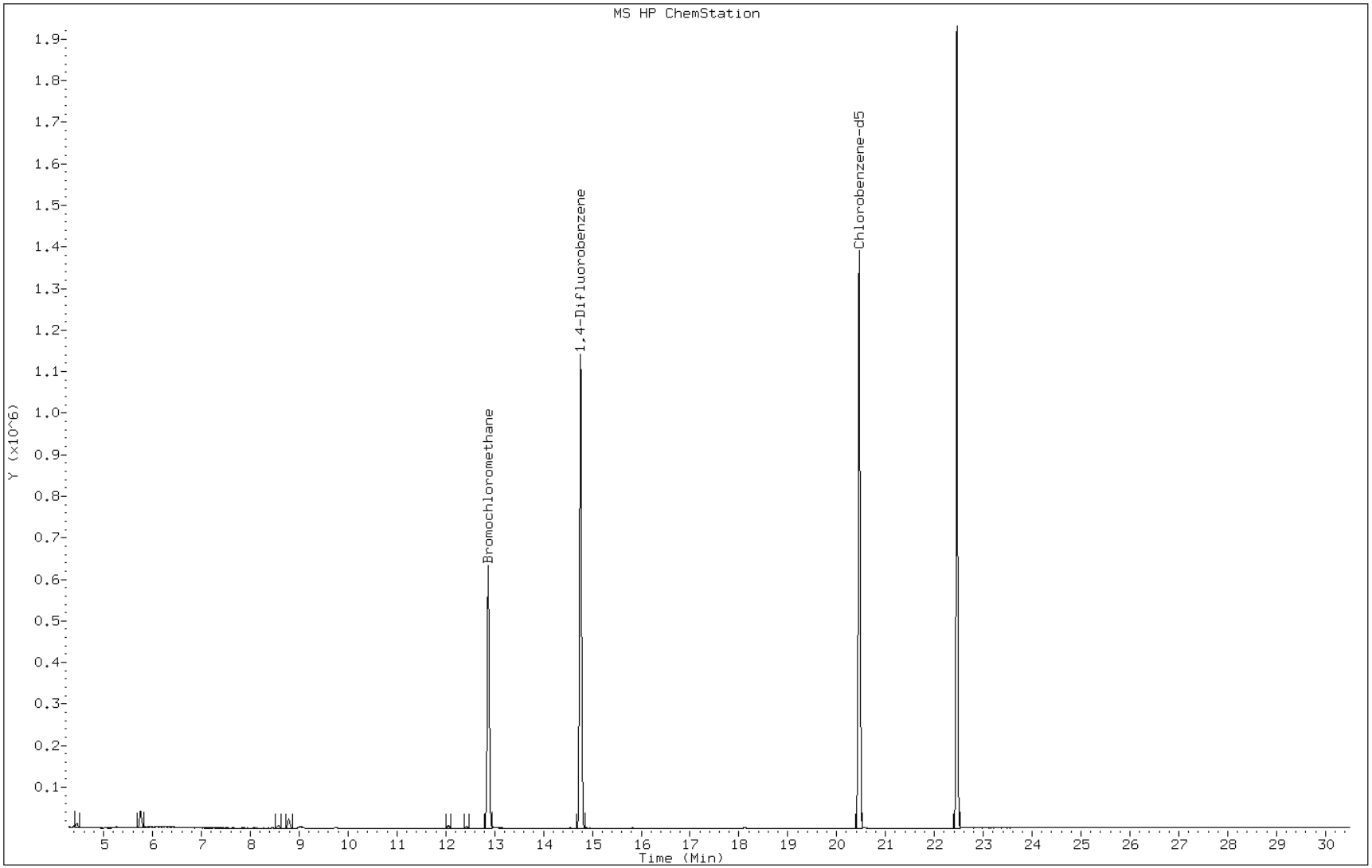
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.786	8.775	(0.683)	46978	1.07261	0.21(a)
	21 Carbon disulfide	76	9.016	9.027	(0.701)	8965	0.08022	0.016(a)
	22 Isopropanol	45	9.064	9.048	(0.704)	4764	0.13378	0.027(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	12.418	12.418	(0.965)	2373	0.10419	0.021(aQ)
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	339687	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	14.761	14.772	(1.000)	1637551	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1402254	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	wajad015.d	Date:	04-NOV-2013 22:34
Client ID:	4385	Instrument:	W.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19202-A-7		
Lab Sample ID:	200-19202-7		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3248 | Lab Sample ID: 200-19202-8

Matrix: Air | Lab File ID: wajad016.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/04/2013 23:42

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3248 Lab Sample ID: 200-19202-8

Matrix: Air Lab File ID: wajad016.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 23:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3248 Lab Sample ID: 200-19202-8

Matrix: Air Lab File ID: wajad016.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/04/2013 23:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-8
Client Smp ID: 3248
Inj Date : 04-NOV-2013 23:42
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-8
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 14
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

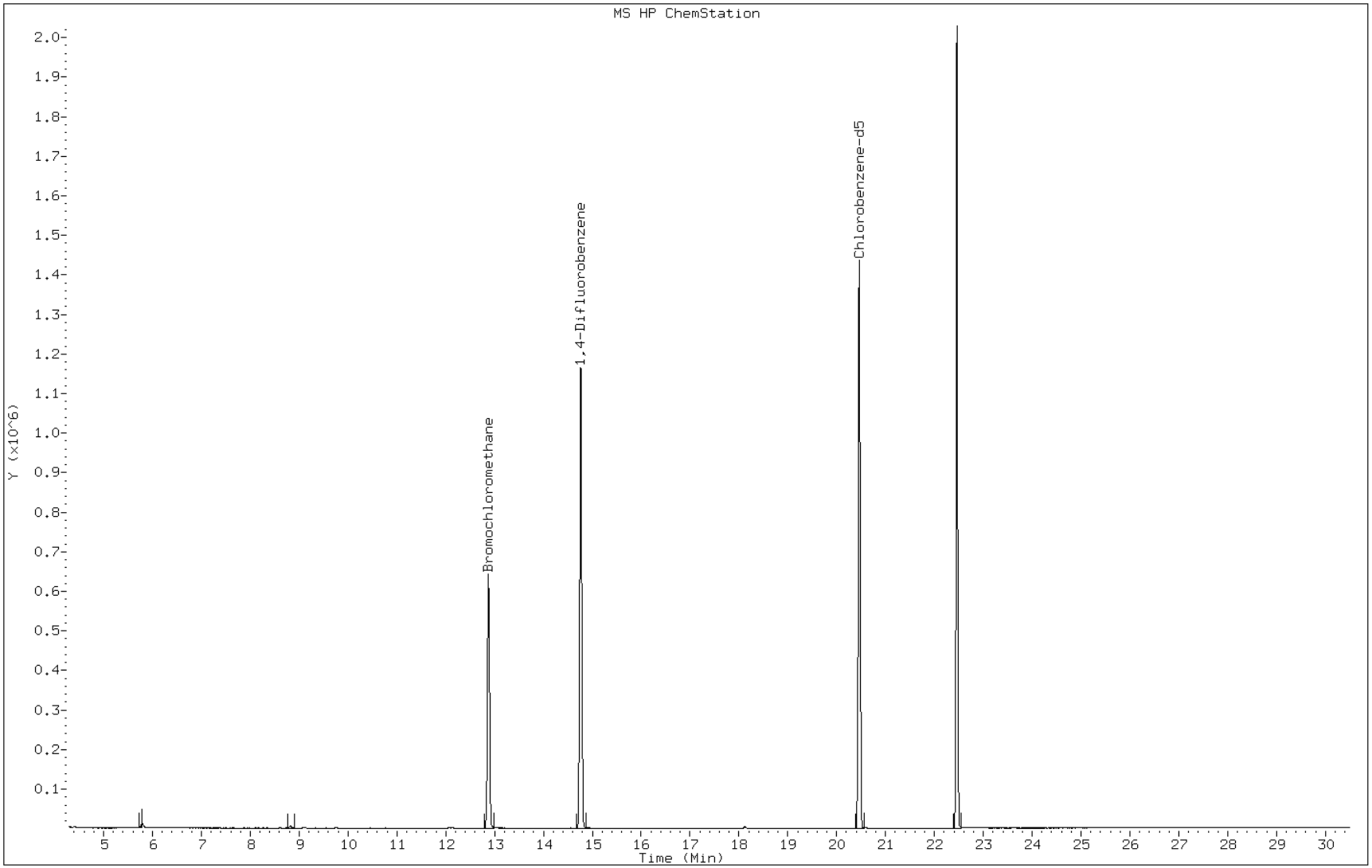
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.818	8.775	(0.685)	11659	0.26144	0.052(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.770	9.765	(0.759)	2355	0.06688	0.013(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.878	12.884	(1.000)	345877	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	14.762	14.772	(1.000)	1665485	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1471123	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

						CONCENTRATIONS	
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	wajad016.d	Date:	04-NOV-2013 23:42
Client ID:	3248	Instrument:	W.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-19202-A-8		
Lab Sample ID:	200-19202-8		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2620 | Lab Sample ID: 200-19202-9

Matrix: Air | Lab File ID: wajad017.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 00:49

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2620 | Lab Sample ID: 200-19202-9

Matrix: Air | Lab File ID: wajad017.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 00:49

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2620 Lab Sample ID: 200-19202-9

Matrix: Air Lab File ID: wajad017.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/05/2013 00:49

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-9
Client Smp ID: 2620
Inj Date : 05-NOV-2013 00:49
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-9
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 15
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.861	8.775	(0.688)	11801	0.27503	0.055(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.160	9.048	(0.711)	4799	0.13756	0.028(a)
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.781	9.765	(0.759)	2371	0.06998	0.014(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.884	12.884	(1.000)	332780	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	14.772	14.772	(1.000)	1590582	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.464	20.470	(1.000)	1403283	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

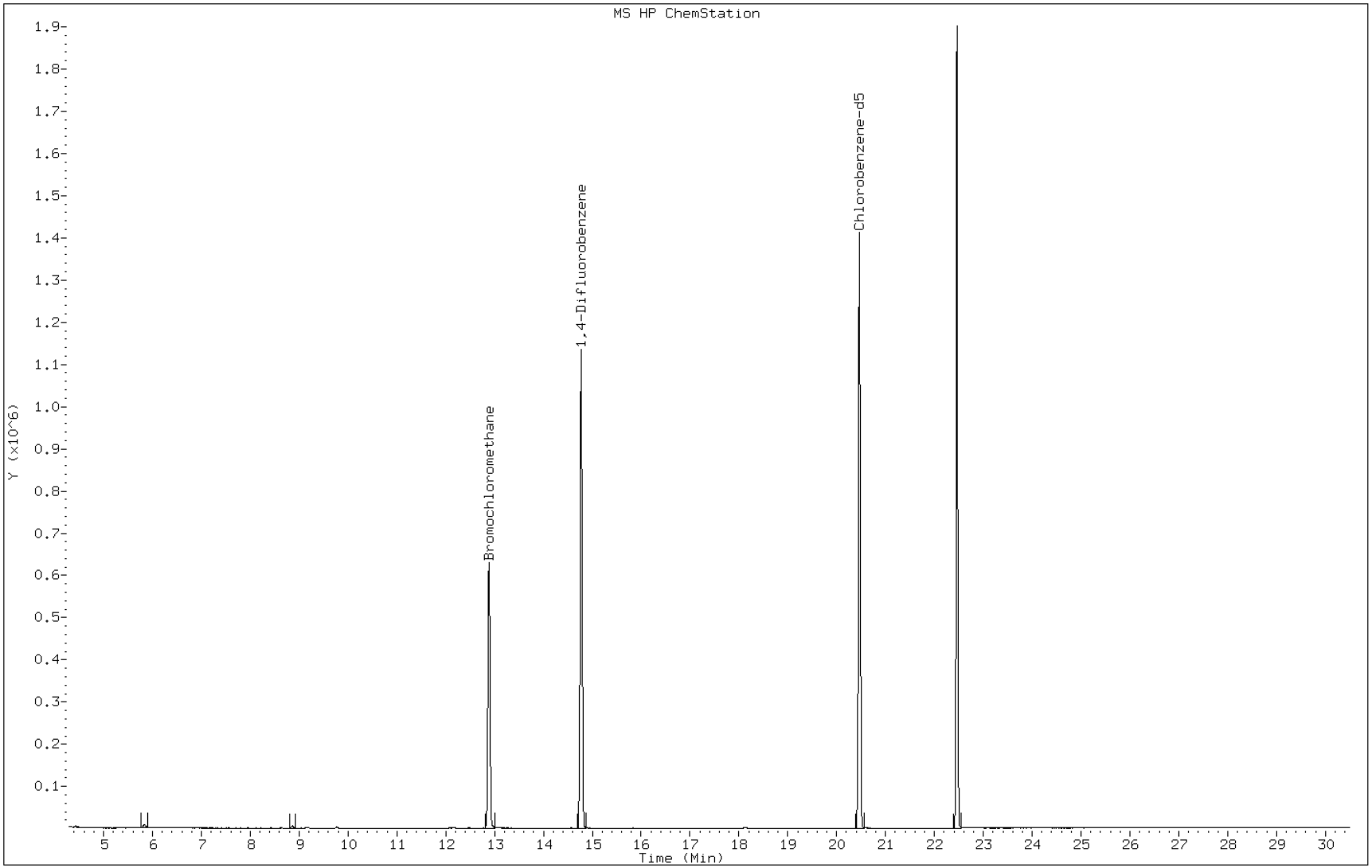
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	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.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
91	n-Butylbenzene	91	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.					
96	Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: wajad017.d
Client ID: 2620
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-9
Lab Sample ID: 200-19202-9

Date: 05-NOV-2013 00:49
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4369 | Lab Sample ID: 200-19202-10

Matrix: Air | Lab File ID: wajad018.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 01:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4369 | Lab Sample ID: 200-19202-10

Matrix: Air | Lab File ID: wajad018.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 01:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 4369 Lab Sample ID: 200-19202-10

Matrix: Air Lab File ID: wajad018.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/05/2013 01:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-0
Lab Smp Id: 200-19202-A-0
Inj Date : 05-NOV-2013 01:55
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-0
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 16
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.786	8.775	(0.683)	32895	0.75826	0.15(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	9.754	9.765	(0.758)	2434	0.07105	0.014(aM)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	12.424	12.418	(0.965)	2734	0.12119	0.024(aQ)
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	336461	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	14.762	14.772	(1.000)	1617433	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1430292	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

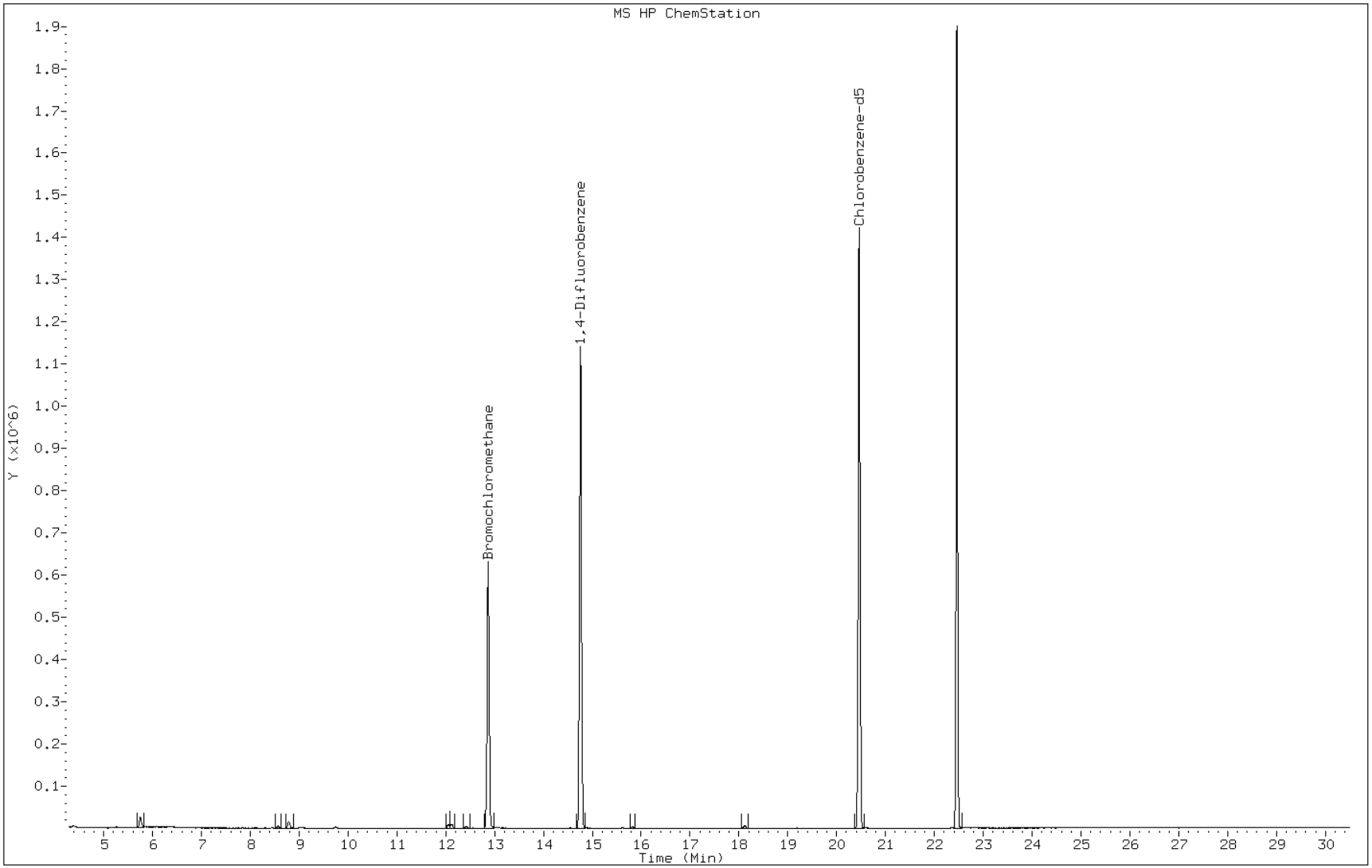
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

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: wajad018.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-0
Lab Sample ID: 200-19202-0

Date: 05-NOV-2013 01:55
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: wajad018.d
Lab Sample ID: 200-19202-0
Inj. Date and Time: 05-NOV-2013 01:55
Instrument ID: W.i
Client ID:
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 11/06/2013

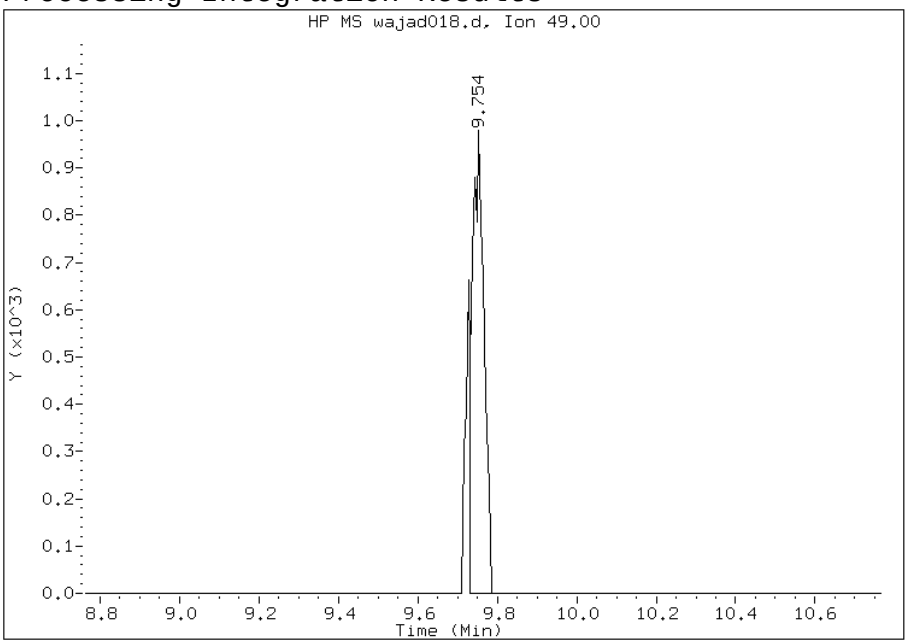
Processing Integration Results

RT: 9.75

Response: 1998

Amount: 0.058326

Conc: 0.011665



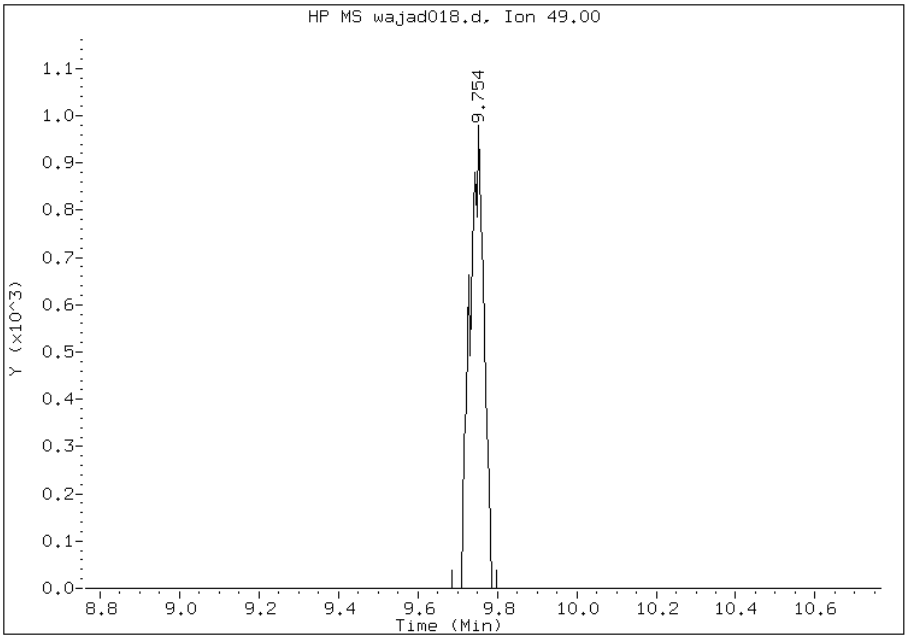
Manual Integration Results

RT: 9.75

Response: 2434

Amount: 0.071054

Conc: 0.014211



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2611 | Lab Sample ID: 200-19202-11

Matrix: Air | Lab File ID: wajad019.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 03:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2611 | Lab Sample ID: 200-19202-11

Matrix: Air | Lab File ID: wajad019.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 03:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 2611 Lab Sample ID: 200-19202-11

Matrix: Air Lab File ID: wajad019.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/05/2013 03:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-1
Client Smp ID: 4301
Inj Date : 05-NOV-2013 03:02
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-1
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 1
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.802	8.775	(0.684)	13563	0.32369	0.065(aM)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.868	12.884	(1.000)	324977	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	14.761	14.772	(1.000)	1535141	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1364570	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

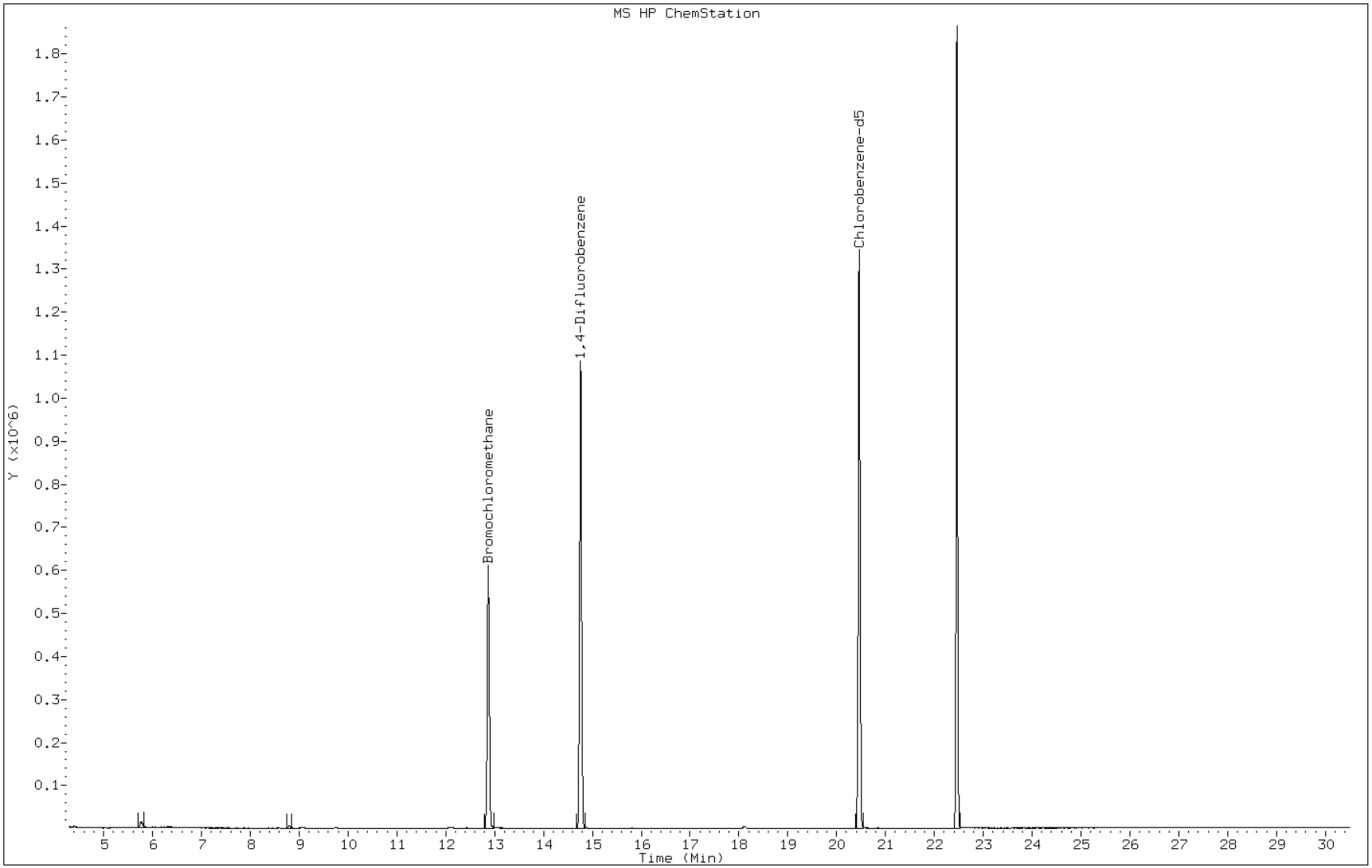
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	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.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
91	n-Butylbenzene	91	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.					
96	Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: wajad019.d
Client ID: 4301
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-1
Lab Sample ID: 200-19202-1

Date: 05-NOV-2013 03:02
Instrument: W.i
Inj Vol: 200.0
Diameter: 0.32



Manual Integration Report

Data File: wajad019.d
Lab Sample ID: 200-19202-1
Inj. Date and Time: 05-NOV-2013 03:02
Instrument ID: W.i
Client ID: 4301
Compound: 20 Acetone
CAS #: 67-64-1
Report Date: 11/06/2013

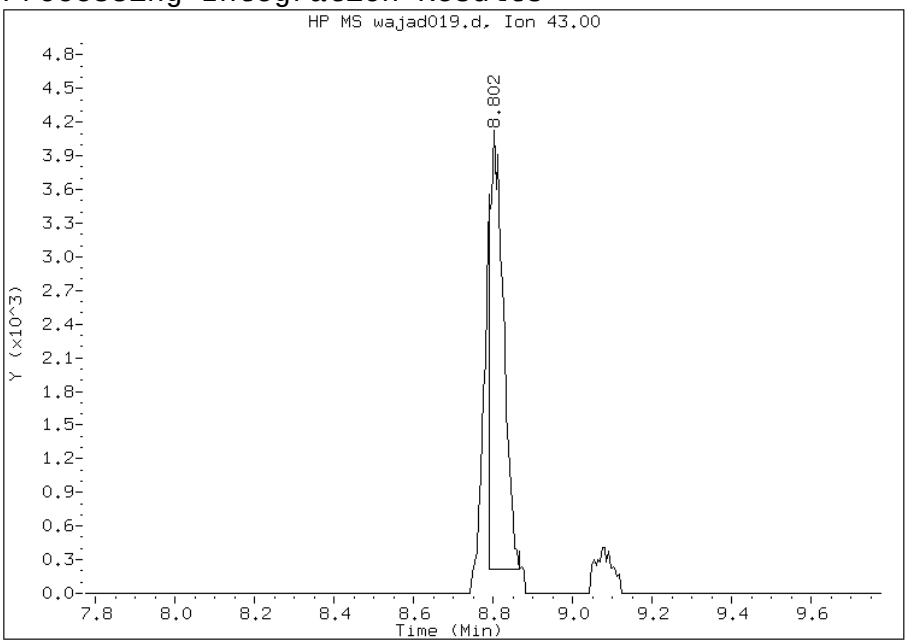
Processing Integration Results

RT: 8.80

Response: 9285

Amount: 0.221598

Conc: 0.044320



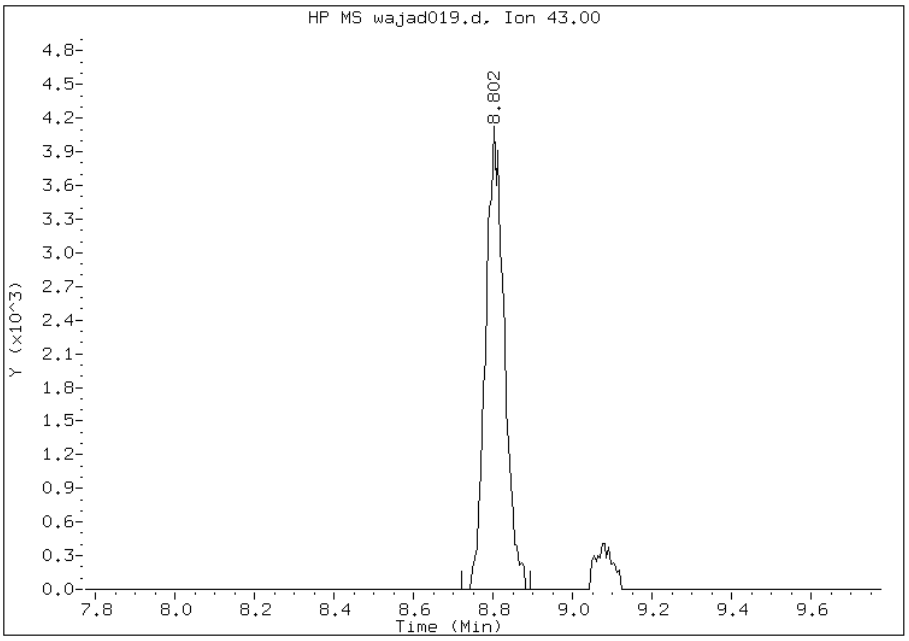
Manual Integration Results

RT: 8.80

Response: 13563

Amount: 0.323689

Conc: 0.064738



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3160 | Lab Sample ID: 200-19202-12

Matrix: Air | Lab File ID: wajad020.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 04:09

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3160 | Lab Sample ID: 200-19202-12

Matrix: Air | Lab File ID: wajad020.d

Analysis Method: TO-15 | Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 11/05/2013 04:09

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 63848 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U *	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Client Sample ID: 3160 Lab Sample ID: 200-19202-12

Matrix: Air Lab File ID: wajad020.d

Analysis Method: TO-15 Date Collected: 10/30/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/05/2013 04:09

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 63848 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-19202-2
Client Smp ID: 4544
Inj Date : 05-NOV-2013 04:09
Operator : wrd Inst ID: W.i
Smp Info : 200-19202-A-2
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/W.i/Wsvr.p/wajadt15.b/to15v5.m
Meth Date : 06-Nov-2013 11:34 wrd Quant Type: ISTD
Cal Date : 19-SEP-2013 11:27 Cal File: waj005.d
Als bottle: 2
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	8.802	8.775	(0.684)	14720	0.33914	0.068(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	9.080	9.048	(0.705)	4424	0.12536	0.025(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.873	12.884	(1.000)	336631	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	14.761	14.772	(1.000)	1611463	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	20.459	20.470	(1.000)	1423037	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

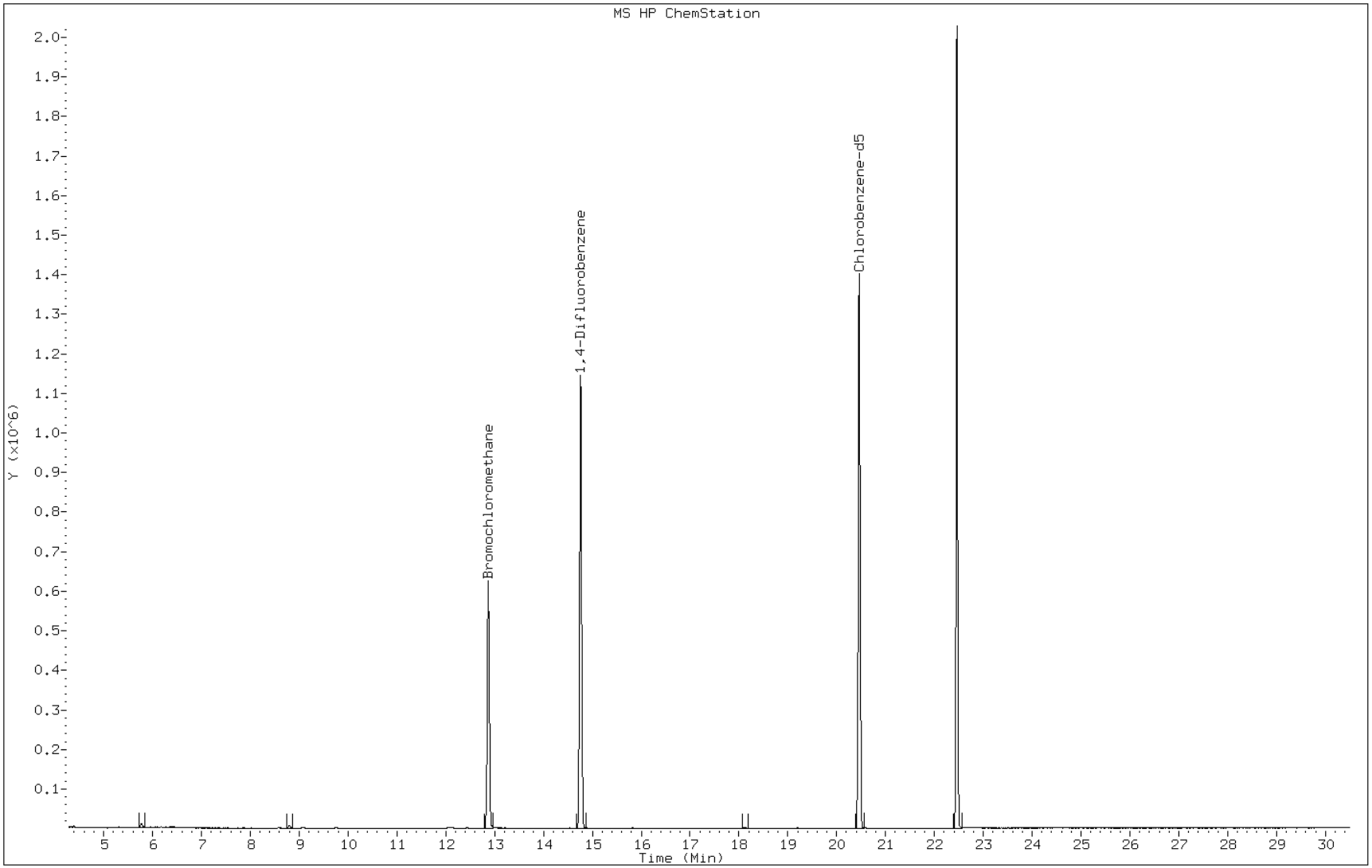
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	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.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
91	n-Butylbenzene	91	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.					
96	Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: wajad020.d
Client ID: 4544
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 200-19202-A-2
Lab Sample ID: 200-19202-2

Date: 05-NOV-2013 04:09
Instrument: W.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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61437/4	waj004.d
Level 2	IC 200-61437/5	waj005.d
Level 3	IC 200-61437/6	waj006.d
Level 4	IC 200-61437/7	waj007.d
Level 5	ICIS 200-61437/8	waj008.d
Level 6	IC 200-61437/9	waj009.d
Level 7	IC 200-61437/10	waj010.d
Level 8	IC 200-61437/11	waj011.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								
Propylene	+++++ 0.6344	+++++ 0.6022	1.0294 0.5337	0.6914	0.6252	Ave		0.6861				25.6		30.0			
Dichlorodifluoromethane	+++++ 2.9387	+++++ 2.8321	3.3761 2.5047	2.9926	2.8071	Ave		2.9086				9.8		30.0			
Freon 22	+++++ 1.3966	+++++ 1.3319	1.7072 1.1839	1.4864	1.3474	Ave		1.4089				12.5		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.2857	3.3624 3.1589	3.7843 2.7486	3.3431	3.1373	Ave		3.2600				9.5		30.0			
Chloromethane	+++++ 0.8025	+++++ 0.7693	1.0453 0.6929	0.8602	0.7804	Ave		0.8251				14.6		30.0			
n-Butane	+++++ 1.2742	+++++ 1.1827	1.8359 1.0757	1.4067	1.2513	Ave		1.3378				20.0		30.0			
Vinyl chloride	1.2231 1.0034	1.1349 0.9590	1.2083 0.8891	1.0654	0.9767	Ave		1.0575				11.5		30.0			
1,3-Butadiene	+++++ 0.6892	0.8291 0.6510	0.8625 0.6030	0.7383	0.6776	Ave		0.7215				13.1		30.0			
Bromomethane	+++++ 1.0692	1.1431 0.9997	1.3449 0.9435	1.1141	1.0253	Ave		1.0914				12.0		30.0			
Chloroethane	+++++ 0.5869	+++++ 0.5808	0.6578 0.5216	0.6007	0.5685	Ave		0.5860				7.6		30.0			
Isopentane	+++++ 1.0797	1.3227 1.0542	1.2714 0.9055	1.1584	1.0820	Ave		1.1249				12.5		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.3137	1.2024 1.2930	1.3361 1.2017	1.2066	1.2071	Ave		1.2515				4.8		30.0			
Trichlorofluoromethane	+++++ 3.1352	3.1064 3.0477	3.4569 2.7672	3.0450	2.9336	Ave		3.0703				6.9		30.0			
n-Pentane	+++++ 1.7096	+++++ 1.6081	2.0313 1.4023	1.7990	1.6657	Ave		1.7027				12.3		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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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								
Ethanol	+++++ 0.3812	+++++ 0.3669	0.5193 0.3219	0.4309	0.3894	Ave		0.4016				16.8		30.0			
Ethyl ether	+++++ 0.8081	0.7320 0.7783	0.8577 0.7078	0.7969	0.7776	Ave		0.7798				6.3		30.0			
Acrolein	+++++ 0.3964	+++++ 0.3930	+++++ 0.3537	0.4108	0.3978	Ave		0.3903				5.5		30.0			
Freon TF	+++++ 2.5075	2.4677 2.4424	2.6912 2.2031	2.4240	2.3437	Ave		2.4399				6.1		30.0			
1,1-Dichloroethene	+++++ 1.2245	1.1096 1.2053	1.2394 1.1209	1.1384	1.1322	Ave		1.1672				4.6		30.0			
Acetone	+++++ 1.3188	+++++ 1.1873	+++++ 1.0660	1.4842	1.3904	Ave		1.2894				12.8		30.0			
Carbon disulfide	+++++ 3.3724	+++++ 3.2830	3.6377 2.9456	3.2985	3.2018	Ave		3.2898				6.9		30.0			
Isopropyl alcohol	+++++ 1.0963	+++++ 1.0032	+++++ 0.8888	1.1666	1.0867	Ave		1.0483				10.1		30.0			
3-Chloropropene	+++++ 1.0719	1.1919 1.0154	1.2248 0.9073	1.1065	1.0409	Ave		1.0798				10.0		30.0			
Acetonitrile	+++++ 0.6385	+++++ 0.6003	+++++ 0.5304	0.6798	0.6172	Ave		0.6132				9.0		30.0			
Methylene Chloride	+++++ 0.9953	+++++ 0.9445	1.3115 0.8442	1.0498	0.9636	Ave		1.0181				15.6		30.0			
tert-Butyl alcohol	+++++ 1.8042	+++++ 1.7177	+++++ 1.5848	1.7562	1.7388	Ave		1.7203				4.8		30.0			
Methyl tert-butyl ether	+++++ 3.3570	2.9794 3.2576	3.3645 2.9510	3.2075	3.1669	Ave		3.1834				5.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.5500	1.5869 1.4938	1.7079 1.3313	1.5556	1.4909	Ave		1.5309				7.5		30.0			
Acrylonitrile	+++++ 0.7370	+++++ 0.7070	0.7961 0.6496	0.7347	0.7155	Ave		0.7233				6.6		30.0			
n-Hexane	+++++ 1.7597	1.6913 1.6822	1.8944 1.4837	1.7454	1.6819	Ave		1.7055				7.2		30.0			
1,1-Dichloroethane	2.0094 1.9550	1.9629 1.8754	2.1680 1.6788	1.9477	1.8693	Ave		1.9333				7.2		30.0			
Vinyl acetate	+++++ 2.2742	+++++ 2.1574	+++++ 1.8934	2.3441	2.2336	Ave		2.1806				8.0		30.0			
cis-1,2-Dichloroethene	+++++ 1.3981	1.3576 1.3711	1.4634 1.2414	1.3039	1.3115	Ave		1.3496				5.3		30.0			
Methyl Ethyl Ketone	+++++ 0.6257	+++++ 0.5944	1.0832 0.5238	0.5986	0.5973	Ave		0.6705				30.6	*	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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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								
Ethyl acetate	+++++ 0.1257	+++++ 0.1224	+++++ 0.1122	0.1146	0.1156	Ave		0.1181				4.8		30.0			
Tetrahydrofuran	+++++ 0.2157	+++++ 0.2020	+++++ 0.1824	0.2241	0.2128	Ave		0.2074				7.7		30.0			
Chloroform	+++++ 2.4455	2.3746 2.3769	2.6007 2.1452	2.3698	2.3217	Ave		2.3763				5.7		30.0			
Cyclohexane	+++++ 0.3932	0.3436 0.3805	0.3829 0.3389	0.3626	0.3696	Ave		0.3673				5.5		30.0			
1,1,1-Trichloroethane	+++++ 0.5574	0.5058 0.5416	0.5543 0.4935	0.5215	0.5242	Ave		0.5284				4.6		30.0			
Carbon tetrachloride	0.5145 0.6157	0.5000 0.6067	0.5624 0.5617	0.5485	0.5668	Ave		0.5595				7.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.1261	1.0504 1.0602	1.1790 0.9085	1.1123	1.0930	Ave		1.0757				7.9		30.0			
Benzene	+++++ 0.8211	0.7958 0.7878	0.8460 0.7007	0.7781	0.7783	Ave		0.7868				5.8		30.0			
1,2-Dichloroethane	+++++ 0.2933	0.2891 0.2811	0.3135 0.2587	0.2887	0.2825	Ave		0.2867				5.7		30.0			
n-Heptane	+++++ 0.3632	0.3682 0.3358	0.5434 0.2883	0.3756	0.3578	Ave		0.3760				21.1		30.0			
n-Butanol	+++++ 0.1059	+++++ 0.1077	+++++ 0.1077	0.1000	0.1034	Ave		0.1049				3.1		30.0			
Trichloroethene	0.3514 0.3811	0.3512 0.3699	0.3765 0.3389	0.3510	0.3570	Ave		0.3596				4.1		30.0			
1,2-Dichloropropane	+++++ 0.2732	0.2530 0.2613	0.2870 0.2380	0.2619	0.2597	Ave		0.2620				5.9		30.0			
Methyl methacrylate	+++++ 0.2858	+++++ 0.2783	0.2437 0.2579	0.2587	0.2676	Ave		0.2653				5.7		30.0			
1,4-Dioxane	+++++ 0.1291	+++++ 0.1234	+++++ 0.1150	0.1241	0.1252	Ave		0.1234				4.2		30.0			
Dibromomethane	+++++ 0.4810	0.3884 0.4769	0.4199 0.4467	0.4130	0.4371	Ave		0.4376				7.7		30.0			
Bromodichloromethane	+++++ 0.5600	0.4518 0.5428	0.5244 0.4964	0.5193	0.5250	Ave		0.5171				6.7		30.0			
cis-1,3-Dichloropropene	+++++ 0.4420	0.3399 0.4295	0.3869 0.3990	0.4015	0.4123	Ave		0.4016				8.2		30.0			
methyl isobutyl ketone	+++++ 0.4464	+++++ 0.4181	0.4412 0.3711	0.4546	0.4382	Ave		0.4283				7.1		30.0			
n-Octane	+++++ 0.4702	0.4975 0.4241	0.5659 0.3276	0.5291	0.4839	Ave		0.4712				16.4		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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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								
Toluene	+++++ 0.6956	0.6671 0.6637	0.7139 0.5542	0.6697	0.6690	Ave		0.6619				7.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.4440	0.3262 0.4342	0.3814 0.4049	0.3969	0.4148	Ave		0.4003				9.8		30.0			
1,1,2-Trichloroethane	+++++ 0.3164	0.2898 0.3098	0.3185 0.2858	0.2991	0.3000	Ave		0.3028				4.2		30.0			
Tetrachloroethene	0.6755 0.7822	0.6604 0.7758	0.7351 0.6999	0.6883	0.7198	Ave		0.7171				6.3		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.4238	+++++ 0.4048	0.3826 0.3721	0.4029	0.4091	Ave		0.3992				4.7		30.0			
Dibromochloromethane	+++++ 0.7537	0.5154 0.7480	0.5869 0.6858	0.6489	0.6913	Ave		0.6614				13.0		30.0			
1,2-Dibromoethane	+++++ 0.6350	0.4914 0.6269	0.5736 0.5783	0.5674	0.5905	Ave		0.5805				8.1		30.0			
Chlorobenzene	+++++ 1.0137	0.9392 0.9870	1.0280 0.8709	0.9438	0.9569	Ave		0.9628				5.5		30.0			
Ethylbenzene	+++++ 1.4740	1.3241 1.4083	1.4760 1.1720	1.4214	1.4116	Ave		1.3839				7.7		30.0			
n-Nonane	+++++ 0.5783	0.5185 0.5410	0.6004 0.4495	0.5935	0.5716	Ave		0.5504				9.6		30.0			
m,p-Xylene	+++++ 0.6386	0.5370 0.6001	0.6201 0.4708	0.6171	0.6169	Ave		0.5858				10.3		30.0			
Xylene, o-	+++++ 0.6426	0.5139 0.6227	0.6027 0.5382	0.5956	0.6083	Ave		0.5891				7.8		30.0			
Styrene	+++++ 0.9944	0.6387 0.9629	0.7943 0.8229	0.9028	0.9312	Ave		0.8639				14.2		30.0			
Bromoform	+++++ 0.8860	0.4761 0.8829	0.5728 0.7695	0.7273	0.8012	Ave		0.7308				21.2		30.0			
Cumene	+++++ 1.7441	1.4600 1.6488	1.7142 1.2830	1.7074	1.6900	Ave		1.6068				10.6		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.8112	0.6857 0.7877	0.8069 0.6720	0.7741	0.7730	Ave		0.7587				7.5		30.0			
n-Propylbenzene	+++++ 1.9108	1.6001 1.7750	1.8427 1.2977	1.8988	1.8798	Ave		1.7436				12.8		30.0			
1,2,3-Trichloropropane	+++++ 0.5871	+++++ 0.5644	0.5782 0.4677	0.5721	0.5664	Ave		0.5560				7.9		30.0			
n-Decane	+++++ 0.7363	+++++ 0.6707	0.7173 0.5395	0.7393	0.7225	Ave		0.6876				11.1		30.0			
4-Ethyltoluene	+++++ 1.7673	1.3868 1.6572	1.6034 1.2322	1.6971	1.7162	Ave		1.5800				12.4		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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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								
2-Chlorotoluene	+++++ 1.4011	1.1638 1.3417	1.3359 1.0851	1.3522	1.3480	Ave		1.2897				9.1		30.0			
1,3,5-Trimethylbenzene	+++++ 1.5107	1.2046 1.4338	1.4119 1.1414	1.4399	1.4525	Ave		1.3707				10.2		30.0			
Alpha Methyl Styrene	+++++ 0.8421	0.4138 0.8232	0.5263 0.7349	0.7001	0.7612	Ave		0.6860				23.1		30.0			
tert-Butylbenzene	+++++ 1.5407	1.2702 1.4711	1.4854 1.1732	1.4716	1.4718	Ave		1.4120				9.6		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5077	1.1463 1.4203	1.3414 1.1534	1.4055	1.4328	Ave		1.3439				10.5		30.0			
sec-Butylbenzene	+++++ 2.1126	1.7816 1.9642	2.0545 1.4776	2.0766	2.0570	Ave		1.9320				11.8		30.0			
4-Isopropyltoluene	+++++ 1.9056	1.4583 1.7750	1.7023 1.3651	1.8108	1.8296	Ave		1.6924				12.0		30.0			
1,3-Dichlorobenzene	+++++ 1.1774	0.7564 1.1447	0.8756 0.9972	0.9811	1.0699	Ave		1.0003				14.9		30.0			
1,4-Dichlorobenzene	+++++ 1.1380	0.6963 1.1108	0.7917 0.9848	0.9198	1.0271	Ave		0.9526				17.1		30.0			
Benzyl chloride	+++++ 1.0360	0.3532 0.9989	0.4576 0.9640	0.7462	0.8915	Ave		0.7782				35.1	*	30.0			
n-Undecane	+++++ 0.7629	+++++ 0.6107	+++++ 0.5080	0.7382	0.7587	Ave		0.6757				16.7		30.0			
n-Butylbenzene	+++++ 1.4840	1.0200 1.3419	1.2234 1.0329	1.3839	1.4280	Ave		1.2735				14.7		30.0			
1,2-Dichlorobenzene	+++++ 1.1124	0.7410 1.0730	0.8453 0.9696	0.9419	1.0106	Ave		0.9563				13.5		30.0			
n-Dodecane	+++++ 0.5907	+++++ 0.3280	+++++ 0.4730	0.4013	0.5254	Ave		0.4637				22.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6914	+++++ 0.5559	0.3505 0.7045	0.4160	0.5718	Ave		0.5483				26.1		30.0			
Hexachlorobutadiene	+++++ 1.0098	0.6645 0.9238	0.7776 0.8892	0.8194	0.8934	Ave		0.8540				13.1		30.0			
Naphthalene	+++++ 1.2561	+++++ 0.8412	0.5555 1.1612	0.6873	1.0395	Ave		0.9235				29.8		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6310	0.2930 0.4993	0.3832 0.6122	0.4130	0.5272	Ave		0.4798				25.8		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-61437/4	waj004.d
Level 2	IC 200-61437/5	waj005.d
Level 3	IC 200-61437/6	waj006.d
Level 4	IC 200-61437/7	waj007.d
Level 5	ICIS 200-61437/8	waj008.d
Level 6	IC 200-61437/9	waj009.d
Level 7	IC 200-61437/10	waj010.d
Level 8	IC 200-61437/11	waj011.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
Propylene	BCM	Ave	+++++ 623038	+++++ 798988	27137 1516802	208513	419872	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 2885821	+++++ 3757764	89005 7118971	902457	1885108	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1371498	+++++ 1767268	45007 3364811	448248	904826	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 3226588	38089 4191302	99766 7812064	1008159	2106813	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 788021	+++++ 1020783	27557 1969491	259392	524046	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 1251295	+++++ 1569210	48400 3057435	424218	840340	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	2500 985341	12856 1272449	31854 2527083	321272	655911	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 676813	9392 863810	22737 1713846	222646	455054	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 1049988	12949 1326412	35456 2681728	335965	688530	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 576390	+++++ 770582	17342 1482423	181143	381760	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 1060324	14983 1398779	33518 2573787	349337	726627	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 1290070	13621 1715591	35224 3415435	363877	810600	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 3078787	35189 4043752	91133 7865176	918259	1970033	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 1678841	+++++ 2133667	53551 3985575	542524	1118625	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 499087	+++++ 973749	136896 2287441	259900	392271	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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
Ethyl ether	BCM	Ave	+++++ 793568	8292 1032662	22612 2011856	240310	522216	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 389257	+++++ 521409	+++++ 1005215	123880	267162	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 2462365	27954 3240661	70947 6261822	730998	1573889	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 1202435	12569 1599281	32674 3185967	343291	760325	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 1295099	+++++ 1575394	+++++ 3029946	447590	933708	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 3311780	+++++ 4355945	95901 8372200	994688	2150153	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 1076595	+++++ 1331029	+++++ 2526078	351812	729764	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 1052614	13502 1347282	32288 2578807	333689	698989	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 627016	+++++ 796528	+++++ 1507452	205003	414448	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 977360	+++++ 1253193	34574 2399292	316567	647092	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 1771755	+++++ 2279105	+++++ 4504457	529588	1167708	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 3296644	33750 4322366	88698 8387488	967260	2126720	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1522168	17976 1982079	45024 3783985	469108	1001212	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 723741	+++++ 938008	20988 1846202	221565	480487	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 1728081	19159 2231960	49943 4216986	526337	1129484	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	4107 1919802	22235 2488344	57155 4771424	587355	1255312	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 2233330	+++++ 2862469	+++++ 5381653	706897	1499968	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 1372952	15379 1819169	38579 3528388	393212	880706	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 614483	+++++ 788625	28555 1488847	180509	401131	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 123474	+++++ 162339	+++++ 318881	34571	77647	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 1013635	+++++ 1284688	+++++ 2445084	330354	686144	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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
Chloroform	BCM	Ave	+++++ 2401505	26899 3153807	68563 6097069	714651	1559100	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 1847861	19012 2420113	49922 4543743	534582	1192009	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2619570	27989 3444893	72273 6616368	768838	1690549	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	5157 2893090	27666 3859215	73323 7530588	808551	1827909	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 5291978	58124 6743669	153723 12179615	1639783	3524599	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 3858548	44036 5010943	110309 9393204	1147129	2509911	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1378048	15999 1788253	40879 3468282	425664	911012	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1706904	20377 2135928	70852 3864308	553683	1153883	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 497500	+++++ 685321	+++++ 1444008	147379	333366	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	3522 1791060	19433 2352518	49090 4542848	517464	1151401	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 1283999	13999 1661875	37426 3190037	386050	837433	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 1343019	+++++ 1770002	31776 3457974	381353	863033	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 606832	+++++ 784887	+++++ 1541751	182998	403609	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 2260201	21493 3033703	54748 5988749	608855	1409587	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 2631357	25002 3452814	68373 6654978	765546	1692949	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2076934	18809 2732160	50442 5349348	591862	1329676	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 2097892	+++++ 2659514	57524 4974412	670184	1413207	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 2209659	27531 2697480	73779 4391604	780068	1560340	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 3067587	33696 3934223	84774 6882136	923159	2027991	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2086315	18053 2761626	49722 5428460	585156	1337802	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1395445	14637 1836142	37827 3548409	412352	909620	+++++ 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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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
Tetrachloroethene	CBZ	Ave	6037 3449453	33362 4598687	87297 8690680	948829	2182091	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1869128	+++++ 2399405	45432 4620238	555459	1240223	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 3324122	26034 4433813	69696 8516522	894455	2095733	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 2800574	24823 3715986	68121 7181001	782127	1790262	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 4470815	47445 5850574	122080 10814155	1300974	2901010	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 6500617	66888 8347972	175276 14553311	1959402	4279361	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 2550612	26193 3206994	71298 5582049	818162	1732934	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 5632789	54253 7114261	147273 11692570	1701447	3740204	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 2834071	25959 3690853	71576 6683502	821003	1844040	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 4385354	32265 5707867	94325 10218167	1244539	2823000	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 3907531	24048 5233276	68017 9555418	1002544	2428804	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 7691687	73751 9773642	203563 15931154	2353687	5123288	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3577598	34640 4669135	95818 8344976	1067029	2343546	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 8426914	80829 10521696	218830 16113679	2617411	5698744	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2589380	+++++ 3345597	68667 5808037	788573	1717083	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 3247360	+++++ 3975689	85185 6699807	1019066	2190278	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 7794250	70056 9823180	190404 15300917	2339462	5202930	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 6179188	58790 7952797	158640 13474803	1864029	4086480	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 6662654	60852 8498937	167671 14172777	1984887	4403302	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 3714033	20902 4879464	62504 9125382	965124	2307727	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 6794815	64166 8719919	176400 14568885	2028598	4461869	+++++ 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.: 200-19202-1 Analy Batch No.: 61437

SDG No.:

Instrument ID: W.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/19/2013 10:39 Calibration End Date: 09/19/2013 16:21 Calibration ID: 23364

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 6649409	57903 8419105	159294 14321860	1937522	4343547	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 9317017	89996 11643174	243980 18347992	2862515	6236083	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 8404126	73668 10521292	202156 16951048	2496187	5546725	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 5192481	38208 6785245	103982 12382179	1352450	3243478	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 5018780	35173 6584596	94022 12229095	1267861	3113737	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 4569139	17841 5921239	54346 11970214	1028626	2702622	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 3364345	+++++ 3619767	+++++ 6307949	1017536	2300115	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 6544701	51524 7954471	145283 12826639	1907668	4329151	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 4906022	37432 6360097	100379 12040269	1298383	3063777	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 2605296	+++++ 1944411	+++++ 5873215	553216	1592873	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 3049076	+++++ 3295083	41622 8748718	573413	1733467	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 4453305	33565 5475616	92347 11042218	1129478	2708565	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 5539868	+++++ 4986028	65965 14419126	947475	3151323	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2783029	14799 2959410	45502 7601908	569369	1598110	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: waj014.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
Propylene	Ave	0.6861	0.6344		9.24	10.0	-7.5	30.0
Dichlorodifluoromethane	Ave	2.909	3.088		10.6	10.0	6.2	30.0
Freon 22	Ave	1.409	1.428		10.1	10.0	1.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.260	3.443		10.6	10.0	5.6	30.0
Chloromethane	Ave	0.8251	0.8332		10.1	10.0	1.0	30.0
n-Butane	Ave	1.338	1.338		10.0	10.0	0.0	30.0
Vinyl chloride	Ave	1.057	1.083		10.2	10.0	2.5	30.0
1,3-Butadiene	Ave	0.7215	0.7617		10.6	10.0	5.6	30.0
Bromomethane	Ave	1.091	1.131		10.4	10.0	3.7	30.0
Chloroethane	Ave	0.5860	0.6135		10.5	10.0	4.7	30.0
Isopentane	Ave	1.125	1.129		10.0	10.0	0.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.252	1.407		11.2	10.0	12.4	30.0
Trichlorofluoromethane	Ave	3.070	3.304		10.8	10.0	7.6	30.0
n-Pentane	Ave	1.703	1.696		9.96	10.0	-0.4	30.0
Ethanol	Ave	0.4016	0.3291		12.3	15.0	-18.0	30.0
Ethyl ether	Ave	0.7798	0.7963		10.2	10.0	2.1	30.0
Acrolein	Ave	0.3903	0.3661		9.38	10.0	-6.2	30.0
Freon TF	Ave	2.440	2.867		11.7	10.0	17.5	30.0
1,1-Dichloroethene	Ave	1.167	1.426		12.2	10.0	22.2	30.0
Acetone	Ave	1.289	1.560		12.1	10.0	21.0	30.0
Carbon disulfide	Ave	3.290	3.611		11.0	10.0	9.8	30.0
Isopropyl alcohol	Ave	1.048	1.191		11.4	10.0	13.7	30.0
3-Chloropropene	Ave	1.080	1.112		10.3	10.0	3.0	30.0
Acetonitrile	Ave	0.6132	0.6585		10.7	10.0	7.4	30.0
Methylene Chloride	Ave	1.018	1.112		10.9	10.0	9.2	30.0
tert-Butyl alcohol	Ave	1.720	1.897		11.0	10.0	10.3	30.0
Methyl tert-butyl ether	Ave	3.183	3.531		11.1	10.0	10.9	30.0
trans-1,2-Dichloroethene	Ave	1.531	1.619		10.6	10.0	5.8	30.0
Acrylonitrile	Ave	0.7233	0.7721		10.7	10.0	6.8	30.0
n-Hexane	Ave	1.706	1.833		10.7	10.0	7.5	30.0
1,1-Dichloroethane	Ave	1.933	2.046		10.6	10.0	5.8	30.0
Vinyl acetate	Ave	2.181	2.304		10.6	10.0	5.6	30.0
cis-1,2-Dichloroethene	Ave	1.350	1.512		11.2	10.0	12.0	30.0
Methyl Ethyl Ketone	Ave	0.6705	0.6772		10.1	10.0	1.0	30.0
Ethyl acetate	Ave	0.1181	0.1314		11.1	10.0	11.2	30.0
Tetrahydrofuran	Ave	0.2074	0.2221		10.7	10.0	7.1	30.0
Chloroform	Ave	2.376	2.559		10.8	10.0	7.7	30.0
Cyclohexane	Ave	0.3673	0.4110		11.2	10.0	11.9	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5776		10.9	10.0	9.3	30.0
Carbon tetrachloride	Ave	0.5595	0.6296		11.2	10.0	12.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: waj014.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
2,2,4-Trimethylpentane	Ave	1.076	1.179		11.0	10.0	9.6	30.0
Benzene	Ave	0.7868	0.8518		10.8	10.0	8.3	30.0
1,2-Dichloroethane	Ave	0.2867	0.3017		10.5	10.0	5.2	30.0
n-Heptane	Ave	0.3760	0.3731		9.92	10.0	-0.8	30.0
n-Butanol	Ave	0.1049	0.1041		9.91	10.0	-0.8	30.0
Trichloroethene	Ave	0.3596	0.3899		10.8	10.0	8.4	30.0
1,2-Dichloropropane	Ave	0.2620	0.2733		10.4	10.0	4.3	30.0
Methyl methacrylate	Ave	0.2653	0.2870		10.8	10.0	8.2	30.0
1,4-Dioxane	Ave	0.1234	0.1370		11.1	10.0	11.1	30.0
Dibromomethane	Ave	0.4376	0.4958		11.3	10.0	13.3	30.0
Bromodichloromethane	Ave	0.5171	0.5851		11.3	10.0	13.2	30.0
cis-1,3-Dichloropropene	Ave	0.4016	0.4367		10.9	10.0	8.7	30.0
methyl isobutyl ketone	Ave	0.4283	0.4550		10.6	10.0	6.2	30.0
n-Octane	Ave	0.4712	0.4930		10.5	10.0	4.6	30.0
Toluene	Ave	0.6619	0.7182		10.8	10.0	8.5	30.0
trans-1,3-Dichloropropene	Ave	0.4003	0.4359		10.9	10.0	8.9	30.0
1,1,2-Trichloroethane	Ave	0.3028	0.3105		10.3	10.0	2.6	30.0
Tetrachloroethene	Ave	0.7171	0.7915		11.0	10.0	10.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3992	0.4259		10.7	10.0	6.7	30.0
Dibromochloromethane	Ave	0.6614	0.7923		12.0	10.0	19.8	30.0
1,2-Dibromoethane	Ave	0.5805	0.6322		10.9	10.0	8.9	30.0
Chlorobenzene	Ave	0.9628	1.022		10.6	10.0	6.2	30.0
Ethylbenzene	Ave	1.384	1.516		11.0	10.0	9.5	30.0
n-Nonane	Ave	0.5504	0.6009		10.9	10.0	9.2	30.0
m,p-Xylene	Ave	0.5858	0.6529		22.3	20.0	11.5	30.0
Xylene, o-	Ave	0.5891	0.6454		11.0	10.0	9.6	30.0
Styrene	Ave	0.8639	0.9858		11.4	10.0	14.1	30.0
Bromoform	Ave	0.7308	0.9100		12.4	10.0	24.5	30.0
Cumene	Ave	1.607	1.835		11.4	10.0	14.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7587	0.7972		10.5	10.0	5.1	30.0
n-Propylbenzene	Ave	1.744	2.023		11.6	10.0	16.0	30.0
1,2,3-Trichloropropane	Ave	0.5560	0.6078		10.9	10.0	9.3	30.0
n-Decane	Ave	0.6876	0.7619		11.1	10.0	10.8	30.0
4-Ethyltoluene	Ave	1.580	1.883		11.9	10.0	19.2	30.0
2-Chlorotoluene	Ave	1.290	1.484		11.5	10.0	15.1	30.0
1,3,5-Trimethylbenzene	Ave	1.371	1.542		11.2	10.0	12.5	30.0
Alpha Methyl Styrene	Ave	0.6860	0.7894		11.5	10.0	15.1	30.0
tert-Butylbenzene	Ave	1.412	1.616		11.4	10.0	14.5	30.0
1,2,4-Trimethylbenzene	Ave	1.344	1.503		11.2	10.0	11.8	30.0
sec-Butylbenzene	Ave	1.932	2.235		11.6	10.0	15.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: ICV 200-61437/14 Calibration Date: 09/19/2013 18:47

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: waj014.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
4-Isopropyltoluene	Ave	1.692	2.001		11.8	10.0	18.2	30.0
1,3-Dichlorobenzene	Ave	1.000	1.139		11.4	10.0	13.9	30.0
1,4-Dichlorobenzene	Ave	0.9526	1.098		11.5	10.0	15.3	30.0
Benzyl chloride	Ave	0.7782	0.9419		12.1	10.0	21.0	30.0
n-Undecane	Ave	0.6757	0.8062		11.9	10.0	19.3	30.0
n-Butylbenzene	Ave	1.273	1.527		12.0	10.0	19.9	30.0
1,2-Dichlorobenzene	Ave	0.9563	1.047		10.9	10.0	9.4	30.0
n-Dodecane	Ave	0.4637	0.5888		12.7	10.0	27.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5483	0.6157		11.2	10.0	12.3	30.0
Hexachlorobutadiene	Ave	0.8540	0.9699		11.4	10.0	13.6	30.0
Naphthalene	Ave	0.9235	1.147		12.4	10.0	24.2	30.0
1,2,3-Trichlorobenzene	Ave	0.4798	0.6117		12.7	10.0	27.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: CCVIS 200-63848/2 Calibration Date: 11/04/2013 09:13

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: wajad002.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
Propylene	Ave	0.6861	0.7117		10.4	10.0	3.7	30.0
Dichlorodifluoromethane	Ave	2.909	3.126		10.7	10.0	7.5	30.0
Freon 22	Ave	1.409	1.563		11.1	10.0	10.9	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.260	3.449		10.6	10.0	5.8	30.0
Chloromethane	Ave	0.8251	0.8676		10.5	10.0	5.1	30.0
n-Butane	Ave	1.338	1.420		10.6	10.0	6.1	30.0
Vinyl chloride	Ave	1.057	1.091		10.3	10.0	3.2	30.0
1,3-Butadiene	Ave	0.7215	0.7518		10.4	10.0	4.2	30.0
Bromomethane	Ave	1.091	1.200		11.0	10.0	9.9	30.0
Chloroethane	Ave	0.5860	0.6149		10.5	10.0	4.9	30.0
Isopentane	Ave	1.125	1.187		10.6	10.0	5.5	30.0
Bromoethene(Vinyl Bromide)	Ave	1.252	1.286		10.3	10.0	2.8	30.0
Trichlorofluoromethane	Ave	3.070	3.224		10.5	10.0	5.0	30.0
n-Pentane	Ave	1.703	1.788		10.5	10.0	5.0	30.0
Ethanol	Ave	0.4016	0.4132		15.4	15.0	2.9	30.0
Ethyl ether	Ave	0.7798	0.8028		10.3	10.0	3.0	30.0
Acrolein	Ave	0.3903	0.3905		10.0	10.0	0.0	30.0
Freon TF	Ave	2.440	2.547		10.4	10.0	4.4	30.0
1,1-Dichloroethene	Ave	1.167	1.204		10.3	10.0	3.2	30.0
Acetone	Ave	1.289	1.668		12.9	10.0	29.3	30.0
Carbon disulfide	Ave	3.290	3.469		10.5	10.0	5.5	30.0
Isopropyl alcohol	Ave	1.048	1.126		10.7	10.0	7.4	30.0
3-Chloropropene	Ave	1.080	1.073		9.94	10.0	-0.6	30.0
Acetonitrile	Ave	0.6132	0.6782		11.1	10.0	10.6	30.0
Methylene Chloride	Ave	1.018	1.068		10.5	10.0	4.9	30.0
tert-Butyl alcohol	Ave	1.720	1.808		10.5	10.0	5.1	30.0
Methyl tert-butyl ether	Ave	3.183	3.266		10.3	10.0	2.6	30.0
trans-1,2-Dichloroethene	Ave	1.531	1.606		10.5	10.0	4.9	30.0
Acrylonitrile	Ave	0.7233	0.7515		10.4	10.0	3.9	30.0
n-Hexane	Ave	1.706	1.778		10.4	10.0	4.2	30.0
1,1-Dichloroethane	Ave	1.933	1.982		10.2	10.0	2.5	30.0
Vinyl acetate	Ave	2.181	2.275		10.4	10.0	4.3	30.0
cis-1,2-Dichloroethene	Ave	1.350	1.375		10.2	10.0	1.9	30.0
Methyl Ethyl Ketone	Ave	0.6705	0.6321		9.43	10.0	-5.7	30.0
Ethyl acetate	Ave	0.1181	0.1179		9.98	10.0	-0.1	30.0
Tetrahydrofuran	Ave	0.2074	0.2240		10.8	10.0	8.0	30.0
Chloroform	Ave	2.376	2.506		10.5	10.0	5.5	30.0
Cyclohexane	Ave	0.3673	0.3901		10.6	10.0	6.2	30.0
1,1,1-Trichloroethane	Ave	0.5284	0.5751		10.9	10.0	8.8	30.0
Carbon tetrachloride	Ave	0.5595	0.6342		11.3	10.0	13.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: CCVIS 200-63848/2 Calibration Date: 11/04/2013 09:13

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: wajad002.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
2,2,4-Trimethylpentane	Ave	1.076	1.166		10.8	10.0	8.4	30.0
Benzene	Ave	0.7868	0.8345		10.6	10.0	6.1	30.0
1,2-Dichloroethane	Ave	0.2867	0.3087		10.8	10.0	7.7	30.0
n-Heptane	Ave	0.3760	0.3839		10.2	10.0	2.1	30.0
n-Butanol	Ave	0.1049	0.0943		8.98	10.0	-10.1	30.0
Trichloroethene	Ave	0.3596	0.3804		10.6	10.0	5.8	30.0
1,2-Dichloropropane	Ave	0.2620	0.2793		10.7	10.0	6.6	30.0
Methyl methacrylate	Ave	0.2653	0.2779		10.5	10.0	4.7	30.0
1,4-Dioxane	Ave	0.1234	0.1299		10.5	10.0	5.3	30.0
Dibromomethane	Ave	0.4376	0.4852		11.1	10.0	10.9	30.0
Bromodichloromethane	Ave	0.5171	0.5806		11.2	10.0	12.3	30.0
cis-1,3-Dichloropropene	Ave	0.4016	0.4401		11.0	10.0	9.6	30.0
methyl isobutyl ketone	Ave	0.4283	0.4595		10.7	10.0	7.3	30.0
n-Octane	Ave	0.4712	0.5149		10.9	10.0	9.3	30.0
Toluene	Ave	0.6619	0.7162		10.8	10.0	8.2	30.0
trans-1,3-Dichloropropene	Ave	0.4003	0.4621		11.5	10.0	15.4	30.0
1,1,2-Trichloroethane	Ave	0.3028	0.3272		10.8	10.0	8.1	30.0
Tetrachloroethene	Ave	0.7171	0.7890		11.0	10.0	10.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3992	0.4305		10.8	10.0	7.8	30.0
Dibromochloromethane	Ave	0.6614	0.7789		11.8	10.0	17.8	30.0
1,2-Dibromoethane	Ave	0.5805	0.6405		11.0	10.0	10.3	30.0
Chlorobenzene	Ave	0.9628	1.031		10.7	10.0	7.1	30.0
Ethylbenzene	Ave	1.384	1.518		11.0	10.0	9.7	30.0
n-Nonane	Ave	0.5504	0.6051		11.0	10.0	9.9	30.0
m,p-Xylene	Ave	0.5858	0.6559		22.4	20.0	12.0	30.0
Xylene, o-	Ave	0.5891	0.6424		10.9	10.0	9.0	30.0
Styrene	Ave	0.8639	0.9360		10.8	10.0	8.3	30.0
Bromoform	Ave	0.7308	0.9071		12.4	10.0	24.1	30.0
Cumene	Ave	1.607	1.843		11.5	10.0	14.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7587	0.8578		11.3	10.0	13.1	30.0
n-Propylbenzene	Ave	1.744	2.072		11.9	10.0	18.8	30.0
1,2,3-Trichloropropane	Ave	0.5560	0.6245		11.2	10.0	12.3	30.0
n-Decane	Ave	0.6876	0.7819		11.4	10.0	13.7	30.0
4-Ethyltoluene	Ave	1.580	1.880		11.9	10.0	19.0	30.0
2-Chlorotoluene	Ave	1.290	1.490		11.5	10.0	15.5	30.0
1,3,5-Trimethylbenzene	Ave	1.371	1.584		11.6	10.0	15.5	30.0
Alpha Methyl Styrene	Ave	0.6860	0.6168		8.99	10.0	-10.1	30.0
tert-Butylbenzene	Ave	1.412	1.618		11.5	10.0	14.6	30.0
1,2,4-Trimethylbenzene	Ave	1.344	1.566		11.7	10.0	16.5	30.0
sec-Butylbenzene	Ave	1.932	2.287		11.8	10.0	18.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Lab Sample ID: CCVIS 200-63848/2 Calibration Date: 11/04/2013 09:13

Instrument ID: W.i Calib Start Date: 09/19/2013 10:39

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 09/19/2013 16:21

Lab File ID: wajad002.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
4-Isopropyltoluene	Ave	1.692	2.014		11.9	10.0	19.0	30.0
1,3-Dichlorobenzene	Ave	1.000	1.169		11.7	10.0	16.9	30.0
1,4-Dichlorobenzene	Ave	0.9526	1.115		11.7	10.0	17.0	30.0
Benzyl chloride	Ave	0.7782	0.8707		11.2	10.0	11.9	30.0
n-Undecane	Ave	0.6757	0.8117		12.0	10.0	20.1	30.0
n-Butylbenzene	Ave	1.273	1.543		12.1	10.0	21.2	30.0
1,2-Dichlorobenzene	Ave	0.9563	1.113		11.6	10.0	16.4	30.0
n-Dodecane	Ave	0.4637	0.5578		12.0	10.0	20.3	30.0
1,2,4-Trichlorobenzene	Ave	0.5483	0.5859		10.7	10.0	6.9	30.0
Hexachlorobutadiene	Ave	0.8540	0.996		11.7	10.0	16.6	30.0
Naphthalene	Ave	0.9235	1.042		11.3	10.0	12.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4798	0.5694		11.9	10.0	18.7	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Instrument ID: W.i Start Date: 09/19/2013 08:14

Analysis Batch Number: 61437 End Date: 09/19/2013 21:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-61437/1		09/19/2013 08:14	1	waj001.d	RTX-624 0.32(mm)
VIBLK 200-61437/2		09/19/2013 09:02	1		RTX-624 0.32(mm)
VIBLK 200-61437/3		09/19/2013 09:51	1		RTX-624 0.32(mm)
IC 200-61437/4		09/19/2013 10:39	1	waj004.d	RTX-624 0.32(mm)
IC 200-61437/5		09/19/2013 11:27	1	waj005.d	RTX-624 0.32(mm)
IC 200-61437/6		09/19/2013 12:18	1	waj006.d	RTX-624 0.32(mm)
IC 200-61437/7		09/19/2013 13:07	1	waj007.d	RTX-624 0.32(mm)
ICIS 200-61437/8		09/19/2013 13:55	1	waj008.d	RTX-624 0.32(mm)
IC 200-61437/9		09/19/2013 14:43	1	waj009.d	RTX-624 0.32(mm)
IC 200-61437/10		09/19/2013 15:32	1	waj010.d	RTX-624 0.32(mm)
IC 200-61437/11		09/19/2013 16:21	1	waj011.d	RTX-624 0.32(mm)
VIBLK 200-61437/12		09/19/2013 17:09	1		RTX-624 0.32(mm)
VIBLK 200-61437/13		09/19/2013 17:58	1		RTX-624 0.32(mm)
ICV 200-61437/14		09/19/2013 18:47	1	waj014.d	RTX-624 0.32(mm)
VIBLK 200-61437/15		09/19/2013 19:35	1		RTX-624 0.32(mm)
ZZZZZ		09/19/2013 20:24	1		RTX-624 0.32(mm)
VIBLK 200-61437/17		09/19/2013 21:13	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-19202-1

SDG No.:

Instrument ID: W.i Start Date: 11/04/2013 08:24

Analysis Batch Number: 63848 End Date: 11/05/2013 08:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-63848/1		11/04/2013 08:24	1	wajad001.d	RTX-624 0.32(mm)
CCVIS 200-63848/2		11/04/2013 09:13	1	wajad002.d	RTX-624 0.32(mm)
LCS 200-63848/3		11/04/2013 10:05	1	wajad003.d	RTX-624 0.32(mm)
MB 200-63848/4		11/04/2013 10:54	1	wajad004.d	RTX-624 0.32(mm)
ZZZZZ		11/04/2013 12:13	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2013 13:22	0.2		RTX-624 0.32(mm)
ZZZZZ		11/04/2013 14:10	2		RTX-624 0.32(mm)
ZZZZZ		11/04/2013 14:58	2		RTX-624 0.32(mm)
ZZZZZ		11/04/2013 15:47	8		RTX-624 0.32(mm)
200-19202-1	4301	11/04/2013 16:55	0.2	wajad010.d	RTX-624 0.32(mm)
200-19202-2	4544	11/04/2013 18:04	0.2	wajad011.d	RTX-624 0.32(mm)
200-19202-4	4068	11/04/2013 19:12	0.2	wajad012.d	RTX-624 0.32(mm)
200-19202-5	3350	11/04/2013 20:19	0.2	wajad013.d	RTX-624 0.32(mm)
200-19202-6	3138	11/04/2013 21:25	0.2	wajad014.d	RTX-624 0.32(mm)
200-19202-7	4385	11/04/2013 22:34	0.2	wajad015.d	RTX-624 0.32(mm)
200-19202-8	3248	11/04/2013 23:42	0.2	wajad016.d	RTX-624 0.32(mm)
200-19202-9	2620	11/05/2013 00:49	0.2	wajad017.d	RTX-624 0.32(mm)
200-19202-10	4369	11/05/2013 01:55	0.2	wajad018.d	RTX-624 0.32(mm)
200-19202-11	2611	11/05/2013 03:02	0.2	wajad019.d	RTX-624 0.32(mm)
200-19202-12	3160	11/05/2013 04:09	0.2	wajad020.d	RTX-624 0.32(mm)
ZZZZZ		11/05/2013 05:00	1		RTX-624 0.32(mm)
ZZZZZ		11/05/2013 05:50	1		RTX-624 0.32(mm)
ZZZZZ		11/05/2013 06:40	1		RTX-624 0.32(mm)
ZZZZZ		11/05/2013 07:32	1		RTX-624 0.32(mm)
ZZZZZ		11/05/2013 08:22	1		RTX-624 0.32(mm)

GC/MS Air Instrument Run Log

Sequence

Target Batch ID: WAJ Start Date: 9/19/13 Time: 0814

Test Method: TO15 End Date: 9/20/13 Time: 0814

ICAL Date: 9/19/13

Analyst/Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise, leave this section blank.*

Standard Traceability

ISTD Container ID: 462405

CCV Container ID: See comments

ICV/LCS Container ID: See comments

Instrument Information

Instrument ID: W

Instrument: 5975B

Column Type: RTX-624

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
0814	WAJ 01	N/A	BFB	N/A	1	200	PAD	N/A	✓	PAD	
0902	02	4633	VIBLK		1	200		✓	✓		
0951	03	↓	↓		2	40		✓	✓		
1039	04	5466	IC-08		2	200		N/A	✓		
1127	05	5466	-01		3	200			✓		554202
1218	06	5432	-02		4	200			✓		↓
1307	07	5015	↓ -03		5	200			✓		554197
1355	08	5437	ICIS-04		6	200			✓		554195
1443	09	3155	IC-05		7	200			✓		554194
1532	10	2575	↓ -06		8	200			✓		531964
1621	11	5406	↓ -07		1	200		↓	✓		554065
1709	12	4633	VIBLK		1	200		✓	✓		554064
1758	13	↓	↓		9	200		✓	✓		
1847	14	4548	ICV		1	200		✓	✓		
1935	15	4633	VIBLK		9	200		✓	✓		
2024	16	4548	LCS		1	200		✓	✓		552802
2113	17	4633	VIBLK	↓	9	200		✓	✓		
					1	200	↓	✓	✓	↓	

PAD 9/20/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

BRFAI048:11.29.12:0

TestAmerica Burlington

GC/MS Air Instrument Run Log

#63848

Sequence		Standard Traceability		Instrument Information
Target Batch ID: WAJA0	Start Date: 11/4/13 Time: 0824	ISTD Container ID:	462405	Instrument ID: W
Test Method: TO15	End Date: 11/5/13 Time: 0824	CCV Container ID:	562148	Instrument: 5975B
ICAL Date: 61437		ICV/LCS Container ID:	562123	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
0824	11WAJA0004			NA				NA	NA		
0913	02	5049	CCV5		1	200		NA	✓		AG
1005	03	3645	LCV		2			✓	✓		Bmg KHT
1054	04	4036	MB		3			✓	✓		
1243	05	2540	19235-8	0.2	4	1000		✓	✓		
1322	06	4382	19253-2	0.2	5	1000		✓	↑R		
1410	07	4921	19225-1	2	6	100		✓	✓		TIC ✓ C
1458	08	4921	19225-1DU	2	6	100		✓	✓		TIC ✓ C
1547	09	4902	19225-2	5	7	25		✓	✓		TIC ✓ C
1635	10	4301	19202-1	0.2	8	1000		✓	✓		
1804	11	4544	-2		9			✓	✓		TIC
			-3		10						
1912	12	4068	-4		11/10			✓	✓		
2019	13	3370	-5		12/11			✓	✓		
2125	14	3138	-6		13/12			✓	✓		
2234	15	4385	-7		14/13			✓	✓		
2342	16	3248	-8		15/14			✓	✓		
0049	17	2620	-9		16/15			✓	✓		
0155	18	4366	-10		16			✓	✓		
0302	19	2611	-11		1			✓	✓		
0409	20	3460	-12		2			✓	✓		
0500	21	5057	19265-3	1	3	200		✓	↑ ✓		area 140 vm 1:6
0550	22	4326	19292-1	1	4	200		✓	✓		"
0640	23	2847	-2		5			✓	✓		"
0732	24	5114	-3		6			✓	✓		"
0822	25	2522	-4		7			✓	✓		"

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Ripstein	Samples Collected By: B. Kyle Haggard & Trey Edwards	1 of 2 COCs
Company: Walter Coke	Phone: 205-942-1789		
Address: 3500 35th Avenue North	Email: tripstein@terracon.com		
City/State/Zip Birmingham AL 35207			
Phone: 205-808-7803	Site Contact: Don Wiggins (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion	Analysis Turnaround Time		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV40811 - 111113	11-11-13	1515	1545	-28	-1	4681	3248	X									X		
SV40771 - 111113	11-11-13	1517	1547	-30	-11	4890	3350	X									X		
SV40812 - 111113	11-11-13	1519	1549	-30	-2	4868	4068	X									X		
SV40772 - 111113	11-11-13	1513	1543	-28	-1	4698	4301	X									X		
CS40811 - 111113	11-11-13 - 11-12-13	1200	1200	-30	-1	3184	2611	X											X
DUP - 111113	11-11-13 - 11-12-13	1200	1200	-30	-1	2775	3160	X											

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

200-19497 Chain of Custody

Special Instructions/QC Requirements & Comments:
Other - Air in crawlspace beneath residence
Please email report to project manager. Please send invoice to client/site contact.
Please mail the hard copy/original report to project manager @ Terracon - Terry Ripstein 110 12th Street North, Birmingham, AL 35203

Samples Shipped by: B. Kyle Haggard	Date/Time: 11-12-13 / 1500	Samples Received by:	
Samples Relinquished by:	Date/Time: 11/13/13 / 1015	Received by: TABRL	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Rippstein	Samples Collected By: B. Kyle Haggard / Ivey Edwards	2 of 2 COCs
Company: Walter Coke	Phone: 205-942-1289		
Address: 3500 35th Avenue North	Email: trippstein@terracon.com		
City/State/Zip Birmingham, AL 35207			
Phone: 205-808-7803	Site Contact: Don Wiggins (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion	**Analysis Turnaround Time**		
Site: Walter Coke	Standard (Specify)		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BG-111113	11-11-13 - 11-12-13	1050	1230	-30	-7	4054	2620	X								X			
~~BKH~~																			

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page 1 of 2 - BKH

Samples Shipped by: B. Kyle Haggard	Date/Time: 11-12-13 / 1500	Samples Received by:	
Samples Relinquished by:	Date/Time: 11/13/13 1015	Received by: TABURL	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

From: (205) 942-1289
Stacey Loveless (BHM)
Terracon Consultants, Inc.
110 12th Street North

BIRMINGHAM, AL 35203

Origin ID: BHMA

J13201306260326

Ship Date: 12NOV13
ActWgt: 28.0 LB
CAD: 104901817/NET3430

Delivery Address Bar Code

Ref # E1127095
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive
Suite 11
SOUTH BURLINGTON, VT 05403

2 of 2

MPS# 7971 3970 7719
0263

Mstr# 7971 3970 7557 0201

XH BTVA

WED - 13 NOV AA
STANDARD OVERNIGHT

05403
VT-US
BTV

51AG1;D5E6/1A9E

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From: (205) 942-1289
Stacey Loveless (BHM)
Terracon Consultants, Inc.
110 12th Street North

BIRMINGHAM, AL 35203

Origin ID: BHMA

FedEx Express

J1320130628032G

Ship Date: 12NOV13
ActWgt: 28.0 LB
CAD: 104901817/INET3430

Delivery Address Bar Code

Ref # E1127095
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive
Suite 11
SOUTH BURLINGTON, VT 05403

1 of 2

TRK# 7971 3970 7557
0201

WED - 13 NOV AA
STANDARD OVERNIGHT

MASTER

XH BTVA

05403
VT-US
BTV

51AG1/D5E6/1A9E

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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Login Sample Receipt Checklist

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-19497-1
SDG Number: 200-19497-1

Login Number: 19497
List Source: TestAmerica Burlington
List Number: 1
Creator: Lavigne, Scott M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	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 containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 200-16861-1

SDG Number: 200-16861

Job Description: Walter Coke VI Characterization

For:
Terracon Consultants Inc fka Gallet Asso
110 12th Street North
Birmingham, AL 35203

Attention: Mr. Terry Rippstein

Approved for release.
Don C Dawicki
Customer Service Manager
6/20/2013 8:23 AM

Don C Dawicki, Customer Service Manager
30 Community Drive, South Burlington, VT, 05403
(802)660-1990
don.dawicki@testamericainc.com
06/20/2013

cc: Mr. Travis Stamper

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CASE NARRATIVE

Client: Terracon Consultants Inc

Project: Walter Coke VI Characterization

Report Number: 200-16861-1

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 06/07/2013; the samples arrived in good condition.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): SV40771-053013 (200-16861-2). The container label lists an end time of 11:25 The COC lists 11:27. The sample was logged in per the COC.

VOLATILE ORGANIC COMPOUNDS

Samples SV40811-053013, SV40771-053013, SV40812-053013 and SV40772-053013 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/10/2013.

No difficulties were encountered during the VOC analysis.

All quality control parameters were within the acceptance limits.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS

Samples CS40811-053013, DUP-053013 and BG-053013 were analyzed for Low Level Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/12/2013.

Samples CS40811-053013[2.99X], DUP-053013[2.99X] and BG-053013[2.99X] required dilution prior to analysis in order to provide for the client specific reporting limits.

No difficulties were encountered during the Low Level VOC analysis.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Analysis Batch Number: 55724

Lab Sample ID: IC 200-55724/3 Client Sample ID:

Date Analyzed: 05/17/13 11:22 Lab File ID: gie003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	3.86	Peak not found by the data system	pd	05/17/13 23:23
1,1-Dichloroethane	9.17	Peak not found by the data system	pd	05/20/13 09:56

Lab Sample ID: IC 200-55724/4 Client Sample ID:

Date Analyzed: 05/17/13 12:12 Lab File ID: gie004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Pentane	5.61	Peak not found by the data system	pd	05/20/13 09:58

Lab Sample ID: IC 200-55724/5 Client Sample ID:

Date Analyzed: 05/17/13 13:02 Lab File ID: gie005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Butyl Ketone (2-Hexanone)	17.59	Baseline event	pd	05/17/13 22:59

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 56556

Lab Sample ID: IC 200-56556/4 Client Sample ID:

Date Analyzed: 06/04/13 11:51 Lab File ID: efv004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	4.40	Baseline event	pd	06/05/13 10:57
1,1-Dichloroethene	6.28	Baseline event	pd	06/05/13 11:09
Cyclohexane	10.26	Baseline event	pd	06/05/13 11:09
1,2-Dichloropropane	12.11	Peak not found by the data system	pd	06/05/13 11:10
Bromoform	16.61	Peak not found by the data system	pd	06/05/13 11:10

Lab Sample ID: IC 200-56556/5 Client Sample ID:

Date Analyzed: 06/04/13 12:46 Lab File ID: efv005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	4.61	Baseline event	pd	06/05/13 11:11
Methyl tert-butyl ether	7.76	Baseline event	pd	06/05/13 11:12
1,1,2-Trichloroethane	14.18	Baseline event	pd	06/05/13 11:12

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: IC 200-57137/3 Client Sample ID:

Date Analyzed: 06/04/13 11:51 Lab File ID: efv004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	6.28	Baseline event	pd	06/05/13 11:09

Lab Sample ID: IC 200-57137/4 Client Sample ID:

Date Analyzed: 06/04/13 12:46 Lab File ID: efv005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	4.61	Baseline event	pd	06/05/13 11:11
1,1,2-Trichloroethane	14.18	Baseline event	pd	06/05/13 11:12

Lab Sample ID: IC 200-57137/5 Client Sample ID:

Date Analyzed: 06/04/13 13:41 Lab File ID: efv006.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.55	Analyte misidentified by the data system	wrd	06/17/13 10:04
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:03

Lab Sample ID: IC 200-57137/6 Client Sample ID:

Date Analyzed: 06/04/13 14:37 Lab File ID: efv007.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:05
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:05
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:06

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: ICIS 200-57137/7 Client Sample ID:

Date Analyzed: 06/04/13 15:32 Lab File ID: efv008.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:06
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:07
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:07

Lab Sample ID: IC 200-57137/8 Client Sample ID:

Date Analyzed: 06/04/13 16:28 Lab File ID: efv009.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:08
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:08
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:08

Lab Sample ID: IC 200-57137/9 Client Sample ID:

Date Analyzed: 06/04/13 17:24 Lab File ID: efv010.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:09
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:09
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:10

Lab Sample ID: IC 200-57137/10 Client Sample ID:

Date Analyzed: 06/04/13 18:19 Lab File ID: efv011.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:11
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:11
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:11

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57137

Lab Sample ID: IC 200-57137/11 Client Sample ID:

Date Analyzed: 06/04/13 19:14 Lab File ID: efv012.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.52	Baseline event	wrd	06/17/13 10:21
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 10:21
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:22

Lab Sample ID: IC 200-57137/12 Client Sample ID:

Date Analyzed: 06/04/13 20:10 Lab File ID: efv013.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:23
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:23
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:24

Lab Sample ID: ICV 200-57137/15 Client Sample ID:

Date Analyzed: 06/04/13 22:54 Lab File ID: efv016.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 10:25
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 10:26
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 10:26

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Analysis Batch Number: 57144

Lab Sample ID: CCVIS 200-57144/2 Client Sample ID:

Date Analyzed: 06/12/13 11:56 Lab File ID: efvd002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.53	Baseline event	wrd	06/17/13 11:51
Chlorobenzene	15.55	Baseline event	wrd	06/17/13 11:51
1,2,4-Trimethylbenzene	17.82	Baseline event	wrd	06/17/13 11:52

Lab Sample ID: LCS 200-57144/3 Client Sample ID:

Date Analyzed: 06/12/13 12:52 Lab File ID: efvd003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene	15.54	Baseline event	wrd	06/17/13 11:53

SAMPLE SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-16861-1	SV40811-053013	Air	05/30/2013 1112	06/07/2013 0955
200-16861-2	SV40771-053013	Air	05/30/2013 1127	06/07/2013 0955
200-16861-3	SV40812-053013	Air	05/30/2013 1225	06/07/2013 0955
200-16861-4	SV40772-053013	Air	05/30/2013 1237	06/07/2013 0955
200-16861-5	CS40811-053013	Air	05/31/2013 1121	06/07/2013 0955
200-16861-6	DUP-053013	Air	05/31/2013 1121	06/07/2013 0955
200-16861-7	BG-053013	Air	05/31/2013 1151	06/07/2013 0955

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-1	**SV40811-053013**					
Benzene		5.3		0.20	ppb v/v	TO-15
Benzene		17		0.64	ug/m3	TO-15
Toluene		1.4		0.20	ppb v/v	TO-15
Toluene		5.3		0.75	ug/m3	TO-15
Tetrachloroethene		0.13		0.040	ppb v/v	TO-15
Tetrachloroethene		0.87		0.27	ug/m3	TO-15
Ethylbenzene		0.21		0.20	ppb v/v	TO-15
Ethylbenzene		0.91		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.25	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.1	J	2.2	ug/m3	TO-15
o-Xylene		1.7		0.20	ppb v/v	TO-15
o-Xylene		7.2		0.87	ug/m3	TO-15
Xylenes, Total		1.9		0.20	ppb v/v	TO-15
Xylenes, Total		8.2		0.87	ug/m3	TO-15
Chlorobenzene		4.7		0.20	ppb v/v	TO-15
Chlorobenzene		21		0.92	ug/m3	TO-15
200-16861-2	**SV40771-053013**					
Benzene		5.8		0.20	ppb v/v	TO-15
Benzene		18		0.64	ug/m3	TO-15
Toluene		2.9		0.20	ppb v/v	TO-15
Toluene		11		0.75	ug/m3	TO-15
Tetrachloroethene		0.070		0.040	ppb v/v	TO-15
Tetrachloroethene		0.48		0.27	ug/m3	TO-15
Ethylbenzene		0.26		0.20	ppb v/v	TO-15
Ethylbenzene		1.1		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.44	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		1.9	J	2.2	ug/m3	TO-15
o-Xylene		1.7		0.20	ppb v/v	TO-15
o-Xylene		7.6		0.87	ug/m3	TO-15
Xylenes, Total		2.2		0.20	ppb v/v	TO-15
Xylenes, Total		9.5		0.87	ug/m3	TO-15
Chlorobenzene		5.2		0.20	ppb v/v	TO-15
Chlorobenzene		24		0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-3	**SV40812-053013**					
Benzene		5.9		0.20	ppb v/v	TO-15
Benzene		19		0.64	ug/m3	TO-15
Toluene		3.7		0.20	ppb v/v	TO-15
Toluene		14		0.75	ug/m3	TO-15
Tetrachloroethene		0.079		0.040	ppb v/v	TO-15
Tetrachloroethene		0.54		0.27	ug/m3	TO-15
Ethylbenzene		0.34		0.20	ppb v/v	TO-15
Ethylbenzene		1.5		0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.70		0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		3.0		2.2	ug/m3	TO-15
o-Xylene		1.5		0.20	ppb v/v	TO-15
o-Xylene		6.5		0.87	ug/m3	TO-15
Xylenes, Total		2.2		0.20	ppb v/v	TO-15
Xylenes, Total		9.6		0.87	ug/m3	TO-15
Chlorobenzene		4.7		0.20	ppb v/v	TO-15
Chlorobenzene		22		0.92	ug/m3	TO-15
200-16861-4	**SV40772-053013**					
Benzene		3.4		0.20	ppb v/v	TO-15
Benzene		11		0.64	ug/m3	TO-15
Toluene		0.78		0.20	ppb v/v	TO-15
Toluene		2.9		0.75	ug/m3	TO-15
Tetrachloroethene		0.27		0.040	ppb v/v	TO-15
Tetrachloroethene		1.8		0.27	ug/m3	TO-15
Ethylbenzene		0.13	J	0.20	ppb v/v	TO-15
Ethylbenzene		0.57	J	0.87	ug/m3	TO-15
m-Xylene & p-Xylene		0.20	J	0.50	ppb v/v	TO-15
m-Xylene & p-Xylene		0.86	J	2.2	ug/m3	TO-15
o-Xylene		0.80		0.20	ppb v/v	TO-15
o-Xylene		3.5		0.87	ug/m3	TO-15
Xylenes, Total		1.0		0.20	ppb v/v	TO-15
Xylenes, Total		4.3		0.87	ug/m3	TO-15
Chlorobenzene		2.8		0.20	ppb v/v	TO-15
Chlorobenzene		13		0.92	ug/m3	TO-15

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-5	**CS40811-053013**					
Benzene		0.22		0.030	ppb v/v	TO15 LL
Benzene		0.70		0.096	ug/m3	TO15 LL
Trichloroethene		0.066		0.030	ppb v/v	TO15 LL
Trichloroethene		0.36		0.16	ug/m3	TO15 LL
Toluene		1.8		0.030	ppb v/v	TO15 LL
Toluene		6.9		0.11	ug/m3	TO15 LL
Ethylbenzene		0.14		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.62		0.13	ug/m3	TO15 LL
o-Xylene		0.18		0.030	ppb v/v	TO15 LL
o-Xylene		0.78		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.49		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		2.1		0.26	ug/m3	TO15 LL
Xylenes, Total		0.67		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.9		0.13	ug/m3	TO15 LL
200-16861-6	**DUP-053013**					
Benzene		0.20		0.030	ppb v/v	TO15 LL
Benzene		0.62		0.096	ug/m3	TO15 LL
Toluene		0.75		0.030	ppb v/v	TO15 LL
Toluene		2.8		0.11	ug/m3	TO15 LL
Ethylbenzene		0.13		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.56		0.13	ug/m3	TO15 LL
o-Xylene		0.14		0.030	ppb v/v	TO15 LL
o-Xylene		0.62		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.39		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.7		0.26	ug/m3	TO15 LL
Xylenes, Total		0.53		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.3		0.13	ug/m3	TO15 LL

EXECUTIVE SUMMARY - Detections

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
200-16861-7	**BG-053013**					
trans-1,2-Dichloroethene		0.031		0.030	ppb v/v	TO15 LL
trans-1,2-Dichloroethene		0.12		0.12	ug/m3	TO15 LL
Benzene		0.14		0.030	ppb v/v	TO15 LL
Benzene		0.44		0.096	ug/m3	TO15 LL
Toluene		1.4		0.030	ppb v/v	TO15 LL
Toluene		5.4		0.11	ug/m3	TO15 LL
Ethylbenzene		0.14		0.030	ppb v/v	TO15 LL
Ethylbenzene		0.61		0.13	ug/m3	TO15 LL
o-Xylene		0.12		0.030	ppb v/v	TO15 LL
o-Xylene		0.51		0.13	ug/m3	TO15 LL
m-Xylene & p-Xylene		0.36		0.060	ppb v/v	TO15 LL
m-Xylene & p-Xylene		1.6		0.26	ug/m3	TO15 LL
Xylenes, Total		0.48		0.030	ppb v/v	TO15 LL
Xylenes, Total		2.1		0.13	ug/m3	TO15 LL

METHOD SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister
Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	TAL BUR	EPA TO15 LL	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method	Analyst	Analyst ID
EPA TO-15	Lyons, Benjamin	BL
EPA TO15 LL	Desjardins, William R	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40811-053013**

Lab Sample ID: 200-16861-1
Client Matrix: Air

Date Sampled: 05/30/2013 1112
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem007.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1431			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1431			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.3		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	1.4		0.014	0.20
Tetrachloroethene	0.13		0.015	0.040
Ethylbenzene	0.21		0.015	0.20
m-Xylene & p-Xylene	0.25	J	0.022	0.50
o-Xylene	1.7		0.016	0.20
Xylenes, Total	1.9		0.016	0.20
Chlorobenzene	4.7		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	17		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	5.3		0.053	0.75
Tetrachloroethene	0.87		0.10	0.27
Ethylbenzene	0.91		0.065	0.87
m-Xylene & p-Xylene	1.1	J	0.096	2.2
o-Xylene	7.2		0.069	0.87
Xylenes, Total	8.2		0.069	0.87
Chlorobenzene	21		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40771-053013**

Lab Sample ID: 200-16861-2
Client Matrix: Air

Date Sampled: 05/30/2013 1127
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem008.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1519			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1519			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.8		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	2.9		0.014	0.20
Tetrachloroethene	0.070		0.015	0.040
Ethylbenzene	0.26		0.015	0.20
m-Xylene & p-Xylene	0.44	J	0.022	0.50
o-Xylene	1.7		0.016	0.20
Xylenes, Total	2.2		0.016	0.20
Chlorobenzene	5.2		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	18		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	11		0.053	0.75
Tetrachloroethene	0.48		0.10	0.27
Ethylbenzene	1.1		0.065	0.87
m-Xylene & p-Xylene	1.9	J	0.096	2.2
o-Xylene	7.6		0.069	0.87
Xylenes, Total	9.5		0.069	0.87
Chlorobenzene	24		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40812-053013**

Lab Sample ID: 200-16861-3
Client Matrix: Air

Date Sampled: 05/30/2013 1225
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem009.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1605			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1605			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	5.9		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	3.7		0.014	0.20
Tetrachloroethene	0.079		0.015	0.040
Ethylbenzene	0.34		0.015	0.20
m-Xylene & p-Xylene	0.70		0.022	0.50
o-Xylene	1.5		0.016	0.20
Xylenes, Total	2.2		0.016	0.20
Chlorobenzene	4.7		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	19		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	14		0.053	0.75
Tetrachloroethene	0.54		0.10	0.27
Ethylbenzene	1.5		0.065	0.87
m-Xylene & p-Xylene	3.0		0.096	2.2
o-Xylene	6.5		0.069	0.87
Xylenes, Total	9.6		0.069	0.87
Chlorobenzene	22		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **SV40772-053013**

Lab Sample ID: 200-16861-4
Client Matrix: Air

Date Sampled: 05/30/2013 1237
Date Received: 06/07/2013 0955

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-56885	Instrument ID:	G.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	giem010.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1652			Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1652			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	3.4		0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	0.78		0.014	0.20
Tetrachloroethene	0.27		0.015	0.040
Ethylbenzene	0.13	J	0.015	0.20
m-Xylene & p-Xylene	0.20	J	0.022	0.50
o-Xylene	0.80		0.016	0.20
Xylenes, Total	1.0		0.016	0.20
Chlorobenzene	2.8		0.013	0.20

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	11		0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	2.9		0.053	0.75
Tetrachloroethene	1.8		0.10	0.27
Ethylbenzene	0.57	J	0.065	0.87
m-Xylene & p-Xylene	0.86	J	0.096	2.2
o-Xylene	3.5		0.069	0.87
Xylenes, Total	4.3		0.069	0.87
Chlorobenzene	13		0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **CS40811-053013**

Lab Sample ID: 200-16861-5
Client Matrix: Air

Date Sampled: 05/31/2013 1121
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd005.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1503			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1503			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.22		0.030	0.030
Trichloroethene	0.066		0.030	0.030
Toluene	1.8		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.14		0.030	0.030
o-Xylene	0.18		0.030	0.030
m-Xylene & p-Xylene	0.49		0.060	0.060
Xylenes, Total	0.67		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.70		0.096	0.096
Trichloroethene	0.36		0.16	0.16
Toluene	6.9		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.62		0.13	0.13
o-Xylene	0.78		0.13	0.13
m-Xylene & p-Xylene	2.1		0.26	0.26
Xylenes, Total	2.9		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **DUP-053013**

Lab Sample ID: 200-16861-6
Client Matrix: Air

Date Sampled: 05/31/2013 1121
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd006.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1558			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1558			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.030	U	0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.20		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	0.75		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.13		0.030	0.030
o-Xylene	0.14		0.030	0.030
m-Xylene & p-Xylene	0.39		0.060	0.060
Xylenes, Total	0.53		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12	U	0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.62		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	2.8		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.56		0.13	0.13
o-Xylene	0.62		0.13	0.13
m-Xylene & p-Xylene	1.7		0.26	0.26
Xylenes, Total	2.3		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Client Sample ID: **BG-053013**

Lab Sample ID: 200-16861-7
Client Matrix: Air

Date Sampled: 05/31/2013 1151
Date Received: 06/07/2013 0955

TO15 LL Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analysis Method:	TO15 LL	Analysis Batch:	200-57144	Instrument ID:	E.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	efvd007.d
Dilution:	2.99			Initial Weight/Volume:	167 mL
Analysis Date:	06/12/2013 1653			Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1653			Injection Volume:	500 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Vinyl chloride	0.060	U	0.060	0.060
1,1-Dichloroethene	0.030	U	0.030	0.030
trans-1,2-Dichloroethene	0.031		0.030	0.030
cis-1,2-Dichloroethene	0.030	U	0.030	0.030
Benzene	0.14		0.030	0.030
Trichloroethene	0.030	U	0.030	0.030
Toluene	1.4		0.030	0.030
Tetrachloroethene	0.030	U	0.030	0.030
Ethylbenzene	0.14		0.030	0.030
o-Xylene	0.12		0.030	0.030
m-Xylene & p-Xylene	0.36		0.060	0.060
Xylenes, Total	0.48		0.030	0.030
Chlorobenzene	0.12	U	0.12	0.12

Analyte	Result (ug/m3)	Qualifier	RL	RL
Vinyl chloride	0.15	U	0.15	0.15
1,1-Dichloroethene	0.12	U	0.12	0.12
trans-1,2-Dichloroethene	0.12		0.12	0.12
cis-1,2-Dichloroethene	0.12	U	0.12	0.12
Benzene	0.44		0.096	0.096
Trichloroethene	0.16	U	0.16	0.16
Toluene	5.4		0.11	0.11
Tetrachloroethene	0.20	U	0.20	0.20
Ethylbenzene	0.61		0.13	0.13
o-Xylene	0.51		0.13	0.13
m-Xylene & p-Xylene	1.6		0.26	0.26
Xylenes, Total	2.1		0.13	0.13
Chlorobenzene	0.55	U	0.55	0.55

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method Blank - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-56885/5	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1257	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1257			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.040	U	0.0091	0.040
1,1-Dichloroethene	0.20	U	0.086	0.20
trans-1,2-Dichloroethene	0.20	U	0.023	0.20
cis-1,2-Dichloroethene	0.20	U	0.084	0.20
Benzene	0.20	U	0.018	0.20
Trichloroethene	0.040	U	0.0092	0.040
Toluene	0.20	U	0.014	0.20
Tetrachloroethene	0.040	U	0.015	0.040
Ethylbenzene	0.20	U	0.015	0.20
m-Xylene & p-Xylene	0.50	U	0.022	0.50
o-Xylene	0.20	U	0.016	0.20
Xylenes, Total	0.20	U	0.016	0.20
Chlorobenzene	0.20	U	0.013	0.20

Method Blank - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-56885/5	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem005.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1257	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1257			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.10	U	0.023	0.10
1,1-Dichloroethene	0.79	U	0.34	0.79
trans-1,2-Dichloroethene	0.79	U	0.091	0.79
cis-1,2-Dichloroethene	0.79	U	0.33	0.79
Benzene	0.64	U	0.058	0.64
Trichloroethene	0.21	U	0.049	0.21
Toluene	0.75	U	0.053	0.75
Tetrachloroethene	0.27	U	0.10	0.27
Ethylbenzene	0.87	U	0.065	0.87
m-Xylene & p-Xylene	2.2	U	0.096	2.2
o-Xylene	0.87	U	0.069	0.87
Xylenes, Total	0.87	U	0.069	0.87
Chlorobenzene	0.92	U	0.060	0.92

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Control Sample - Batch: 200-56885

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-56885/4	Analysis Batch:	200-56885	Instrument ID:	G.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	giem004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/10/2013 1210	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	06/10/2013 1210			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	10.0	10.3	103	70 - 130	
1,1-Dichloroethene	10.0	11.5	115	70 - 130	
trans-1,2-Dichloroethene	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	10.6	107	70 - 130	
Benzene	10.0	9.29	93	70 - 130	
Trichloroethene	10.0	10.3	103	70 - 130	
Toluene	10.0	9.71	97	70 - 130	
Tetrachloroethene	10.0	9.46	95	70 - 130	
Ethylbenzene	10.0	10.0	100	70 - 130	
m-Xylene & p-Xylene	20.0	19.3	97	70 - 130	
o-Xylene	10.0	9.55	96	70 - 130	
Chlorobenzene	10.0	9.81	98	70 - 130	

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Method Blank - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-57144/4	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	06/12/2013 1347	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1347			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.020	U	0.020	0.020
1,1-Dichloroethene	0.010	U	0.010	0.010
trans-1,2-Dichloroethene	0.010	U	0.010	0.010
cis-1,2-Dichloroethene	0.010	U	0.010	0.010
Benzene	0.010	U	0.010	0.010
Trichloroethene	0.010	U	0.010	0.010
Toluene	0.010	U	0.010	0.010
Tetrachloroethene	0.010	U	0.010	0.010
Ethylbenzene	0.010	U	0.010	0.010
o-Xylene	0.010	U	0.010	0.010
m-Xylene & p-Xylene	0.020	U	0.020	0.020
Xylenes, Total	0.010	U	0.010	0.010
Chlorobenzene	0.040	U	0.040	0.040

Method Blank - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	MB 200-57144/4	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	500 mL
Analysis Date:	06/12/2013 1347	Units:	ug/m3	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1347			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Vinyl chloride	0.051	U	0.051	0.051
1,1-Dichloroethene	0.040	U	0.040	0.040
trans-1,2-Dichloroethene	0.040	U	0.040	0.040
cis-1,2-Dichloroethene	0.040	U	0.040	0.040
Benzene	0.032	U	0.032	0.032
Trichloroethene	0.054	U	0.054	0.054
Toluene	0.038	U	0.038	0.038
Tetrachloroethene	0.068	U	0.068	0.068
Ethylbenzene	0.043	U	0.043	0.043
o-Xylene	0.043	U	0.043	0.043
m-Xylene & p-Xylene	0.087	U	0.087	0.087
Xylenes, Total	0.043	U	0.043	0.043
Chlorobenzene	0.18	U	0.18	0.18

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

Lab Control Sample - Batch: 200-57144

Method: TO15 LL
Preparation: Summa Canister

Lab Sample ID:	LCS 200-57144/3	Analysis Batch:	200-57144	Instrument ID:	E.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	efvd003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/12/2013 1252	Units:	ppb v/v	Final Weight/Volume:	500 mL
Prep Date:	06/12/2013 1252			Injection Volume:	500 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	0.200	0.206	103	70 - 130	
1,1-Dichloroethene	0.200	0.177	88	70 - 130	
trans-1,2-Dichloroethene	0.200	0.177	88	70 - 130	
cis-1,2-Dichloroethene	0.200	0.184	92	70 - 130	
Benzene	0.200	0.174	87	70 - 130	
Trichloroethene	0.200	0.186	93	70 - 130	
Toluene	0.200	0.191	96	70 - 130	
Tetrachloroethene	0.200	0.208	104	70 - 130	
Ethylbenzene	0.200	0.193	96	70 - 130	
o-Xylene	0.200	0.200	100	70 - 130	
m-Xylene & p-Xylene	0.400	0.408	102	70 - 130	
Chlorobenzene	0.200	0.194	97	70 - 130	

DATA REPORTING QUALIFIERS

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

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.

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
Sdg Number: 200-16861

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-56885					
LCS 200-56885/4	Lab Control Sample	T	Air	TO-15	
MB 200-56885/5	Method Blank	T	Air	TO-15	
200-16861-1	SV40811-053013	T	Air	TO-15	
200-16861-2	SV40771-053013	T	Air	TO-15	
200-16861-3	SV40812-053013	T	Air	TO-15	
200-16861-4	SV40772-053013	T	Air	TO-15	
Analysis Batch:200-57144					
LCS 200-57144/3	Lab Control Sample	T	Air	TO15 LL	
MB 200-57144/4	Method Blank	T	Air	TO15 LL	
200-16861-5	CS40811-053013	T	Air	TO15 LL	
200-16861-6	DUP-053013	T	Air	TO15 LL	
200-16861-7	BG-053013	T	Air	TO15 LL	

Report Basis
T = Total

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG: 200-16861

Laboratory Chronicle

Lab ID: 200-16861-1 **Client ID:** SV40811-053013

Sample Date/Time: 05/30/2013 11:12 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-1		200-56885		06/10/2013 14:31	1	TAL BUR	BL
A:TO-15	200-16861-A-1		200-56885		06/10/2013 14:31	1	TAL BUR	BL

Lab ID: 200-16861-2 **Client ID:** SV40771-053013

Sample Date/Time: 05/30/2013 11:27 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-2		200-56885		06/10/2013 15:19	1	TAL BUR	BL
A:TO-15	200-16861-A-2		200-56885		06/10/2013 15:19	1	TAL BUR	BL

Lab ID: 200-16861-3 **Client ID:** SV40812-053013

Sample Date/Time: 05/30/2013 12:25 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-3		200-56885		06/10/2013 16:05	1	TAL BUR	BL
A:TO-15	200-16861-A-3		200-56885		06/10/2013 16:05	1	TAL BUR	BL

Lab ID: 200-16861-4 **Client ID:** SV40772-053013

Sample Date/Time: 05/30/2013 12:37 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-4		200-56885		06/10/2013 16:52	1	TAL BUR	BL
A:TO-15	200-16861-A-4		200-56885		06/10/2013 16:52	1	TAL BUR	BL

Lab ID: 200-16861-5 **Client ID:** CS40811-053013

Sample Date/Time: 05/31/2013 11:21 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-5		200-57144		06/12/2013 15:03	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-5		200-57144		06/12/2013 15:03	2.99	TAL BUR	WRD

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG: 200-16861

Laboratory Chronicle

Lab ID: 200-16861-6 **Client ID:** DUP-053013

Sample Date/Time: 05/31/2013 11:21 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-6		200-57144		06/12/2013 15:58	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-6		200-57144		06/12/2013 15:58	2.99	TAL BUR	WRD

Lab ID: 200-16861-7 **Client ID:** BG-053013

Sample Date/Time: 05/31/2013 11:51 Received Date/Time: 06/07/2013 09:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-16861-A-7		200-57144		06/12/2013 16:53	2.99	TAL BUR	WRD
A:TO15 LL	200-16861-A-7		200-57144		06/12/2013 16:53	2.99	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-56885/5		200-56885		06/10/2013 12:57	1	TAL BUR	BL
A:TO-15	MB 200-56885/5		200-56885		06/10/2013 12:57	1	TAL BUR	BL
P:Summa Canister	MB 200-57144/4		200-57144		06/12/2013 13:47	1	TAL BUR	WRD
A:TO15 LL	MB 200-57144/4		200-57144		06/12/2013 13:47	1	TAL BUR	WRD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-56885/4		200-56885		06/10/2013 12:10	1	TAL BUR	BL
A:TO-15	LCS 200-56885/4		200-56885		06/10/2013 12:10	1	TAL BUR	BL
P:Summa Canister	LCS 200-57144/3		200-57144		06/12/2013 12:52	1	TAL BUR	WRD
A:TO15 LL	LCS 200-57144/3		200-57144		06/12/2013 12:52	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Terracon Consultants Inc fka Gallet Asso
Project/Site: Walter Coke VI Characterization

TestAmerica Job ID: 200-16861-1
SDG: 200-16861

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAP	4	E87467
TestAmerica Burlington	L-A-B	DoD ELAP		L2336
TestAmerica Burlington	Louisiana	NELAP	6	176292
TestAmerica Burlington	Minnesota	NELAP	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAP	1	2006
TestAmerica Burlington	New Jersey	NELAP	2	VT972
TestAmerica Burlington	New York	NELAP	2	10391
TestAmerica Burlington	Pennsylvania	NELAP	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	US Fish & Wildlife	Federal		LE-058448-0
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAP	3	460209

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

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Matrix: Air Level: Low Lab File ID: efvd003.d

Lab ID: LCS 200-57144/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	0.200	0.206	103	70-130	
1,1-Dichloroethene	0.200	0.177	88	70-130	
trans-1,2-Dichloroethene	0.200	0.177	88	70-130	
cis-1,2-Dichloroethene	0.200	0.184	92	70-130	
Benzene	0.200	0.174	87	70-130	
Trichloroethene	0.200	0.186	93	70-130	
Toluene	0.200	0.191	96	70-130	
Tetrachloroethene	0.200	0.208	104	70-130	
Ethylbenzene	0.200	0.193	96	70-130	
o-Xylene	0.200	0.200	100	70-130	
m-Xylene & p-Xylene	0.400	0.408	102	70-130	
Chlorobenzene	0.200	0.194	97	70-130	

Column to be used to flag recovery and RPD values

FORM III TO15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efvd004.d Lab Sample ID: MB 200-57144/4

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

Instrument ID: E.i Date Analyzed: 06/12/2013 13:47

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 200-57144/3	efvd003.d	06/12/2013 12:52
CS40811-053013	200-16861-5	efvd005.d	06/12/2013 15:03
DUP-053013	200-16861-6	efvd006.d	06/12/2013 15:58
BG-053013	200-16861-7	efvd007.d	06/12/2013 16:53

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efv001.d BFB Injection Date: 06/04/2013

Instrument ID: E.i BFB Injection Time: 09:05

Analysis Batch No.: 56556

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.2	
75	30.0 - 66.0% of mass 95	46.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	103.2	
175	4.0 - 9.0 % of mass 174	7.4	(7.2)1
176	93.0 - 101.0% of mass 174	100.4	(97.3)1
177	5.0 - 9.0% of mass 176	6.6	(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
	IC 200-56556/4	efv004.d	06/04/2013	11:51
	IC 200-56556/5	efv005.d	06/04/2013	12:46
	IC 200-56556/6	efv006.d	06/04/2013	13:41
	IC 200-56556/7	efv007.d	06/04/2013	14:37
	ICIS 200-56556/8	efv008.d	06/04/2013	15:32
	IC 200-56556/9	efv009.d	06/04/2013	16:28
	IC 200-56556/10	efv010.d	06/04/2013	17:24
	IC 200-56556/11	efv011.d	06/04/2013	18:19
	IC 200-56556/12	efv012.d	06/04/2013	19:14
	IC 200-56556/13	efv013.d	06/04/2013	20:10

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: efvd001.d BFB Injection Date: 06/12/2013

Instrument ID: E.i BFB Injection Time: 11:02

Analysis Batch No.: 57144

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.3	
75	30.0 - 66.0% of mass 95	49.1	
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	(0.5)1
174	50.0 - 120.0% of mass 95	95.2	
175	4.0 - 9.0 % of mass 174	6.9	(7.2)1
176	93.0 - 101.0% of mass 174	92.6	(97.3)1
177	5.0 - 9.0% of mass 176	5.9	(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 200-57144/2	efvd002.d	06/12/2013	11:56
	LCS 200-57144/3	efvd003.d	06/12/2013	12:52
	MB 200-57144/4	efvd004.d	06/12/2013	13:47
CS40811-053013	200-16861-5	efvd005.d	06/12/2013	15:03
DUP-053013	200-16861-6	efvd006.d	06/12/2013	15:58
BG-053013	200-16861-7	efvd007.d	06/12/2013	16:53

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: ICIS 200-57137/7 Date Analyzed: 06/04/2013 15:32

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efv008.d Heated Purge: (Y/N) N

Calibration ID: 22125

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1228586	9.93	5951502	11.38	5416411	15.51
UPPER LIMIT		1720020	10.26	8332103	11.71	7582975	15.84
LOWER LIMIT		737152	9.60	3570901	11.05	3249847	15.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-57137/15		1428943	9.93	7090366	11.38	6330946	15.51

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 TO15 LL

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: CCVIS 200-57144/2 Date Analyzed: 06/12/2013 11:56

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): efvd002.d Heated Purge: (Y/N) N

Calibration ID: 22125

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1185628	9.93	5824128	11.37	5286725	15.51
UPPER LIMIT		1659879	10.26	8153779	11.70	7401415	15.84
LOWER LIMIT		711377	9.60	3494477	11.04	3172035	15.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-57144/3		1279564	9.93	6261281	11.38	5556035	15.51
MB 200-57144/4		1171596	9.93	5824596	11.38	4185875	15.51
200-16861-5	CS40811-053013	1210270	9.93	6048752	11.38	5181883	15.50
200-16861-6	DUP-053013	1140694	9.93	5454178	11.38	4794975	15.51
200-16861-7	BG-053013	1199601	9.93	5466005	11.38	4943644	15.51

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 TO15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: CS40811-053013 Lab Sample ID: 200-16861-5

Matrix: Air Lab File ID: efvd005.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:03

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.22		0.030	0.030
79-01-6	Trichloroethene	131.39	0.066		0.030	0.030
108-88-3	Toluene	92.14	1.8		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.14		0.030	0.030
95-47-6	o-Xylene	106.17	0.18		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.49		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.67		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: CS40811-053013 Lab Sample ID: 200-16861-5

Matrix: Air Lab File ID: efvd005.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:03

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.70		0.096	0.096
79-01-6	Trichloroethene	131.39	0.36		0.16	0.16
108-88-3	Toluene	92.14	6.9		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.62		0.13	0.13
95-47-6	o-Xylene	106.17	0.78		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	2.1		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.9		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-5
Client Smp ID: CS40811-053013
Inj Date : 12-JUN-2013 15:03
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-5
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

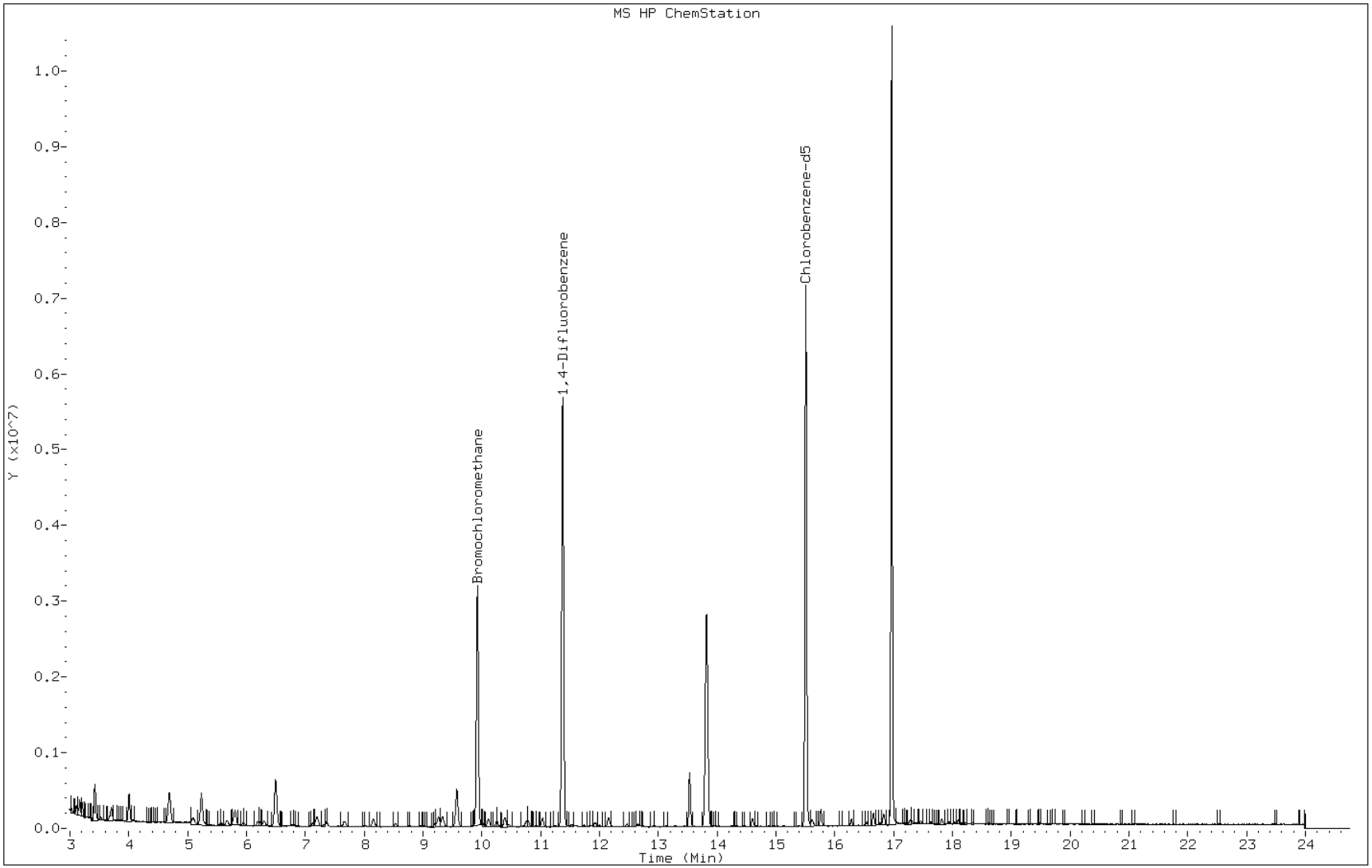
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	186159	0.17302	0.52
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	35512	0.21591	0.64(QM)
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	5.084	5.095	(0.512)	108507	0.08968	0.27
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	22248	0.02917	0.087(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.373	7.368	(0.743)	35754	0.11411	0.34
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
28	Methyl tert-butyl ether	73	Compound Not Detected.					
30	n-Hexane	57	8.149	8.155	(0.821)	64865	0.14934	0.45
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene, Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
* 36	Bromochloromethane	128	9.925	9.925	(1.000)	1210270	2.00000	
39	Chloroform	83	10.011	10.011	(1.009)	30151	0.03630	0.11
40	Cyclohexane	84	10.257	10.252	(0.902)	26037	0.05872	0.18(Q)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	10.471	10.460	(0.921)	32714	0.02733	0.082
43	2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	86429	0.07226	0.22
44	Benzene	78	10.803	10.797	(0.950)	72920	0.07305	0.22
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	11.033	11.033	(0.970)	58354	0.12460	0.37
* 47	1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6048752	2.00000	
49	Trichloroethene	95	11.733	11.734	(1.032)	10877	0.02214	0.066
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
58	Toluene	92	13.536	13.536	(0.873)	388199	0.61409	1.8
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	14.291	14.301	(0.922)	5350	0.00730	0.022(aQ)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	15.505	15.505	(1.000)	5181883	2.00000	
66	Chlorobenzene	112	Compound Not Detected.					
67	Ethylbenzene	91	15.612	15.612	(1.007)	64625	0.04737	0.14
69	Xylene (m,p)	106	15.762	15.762	(1.017)	81832	0.16514	0.49
M 70	Xylene, Total	106				110762	0.22512	0.67
71	Xylene (o)	106	16.281	16.281	(1.050)	28930	0.05998	0.18(Q)
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	17.313	17.313	(1.117)	15891	0.01527	0.046
81	1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	13238	0.01539	0.046(a)
84	1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	38513	0.04246	0.13(QM)

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:	efvd005.d	Date:	12-JUN-2013 15:03
Client ID:	CS40811-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-5		
Lab Sample ID:	200-16861-5		



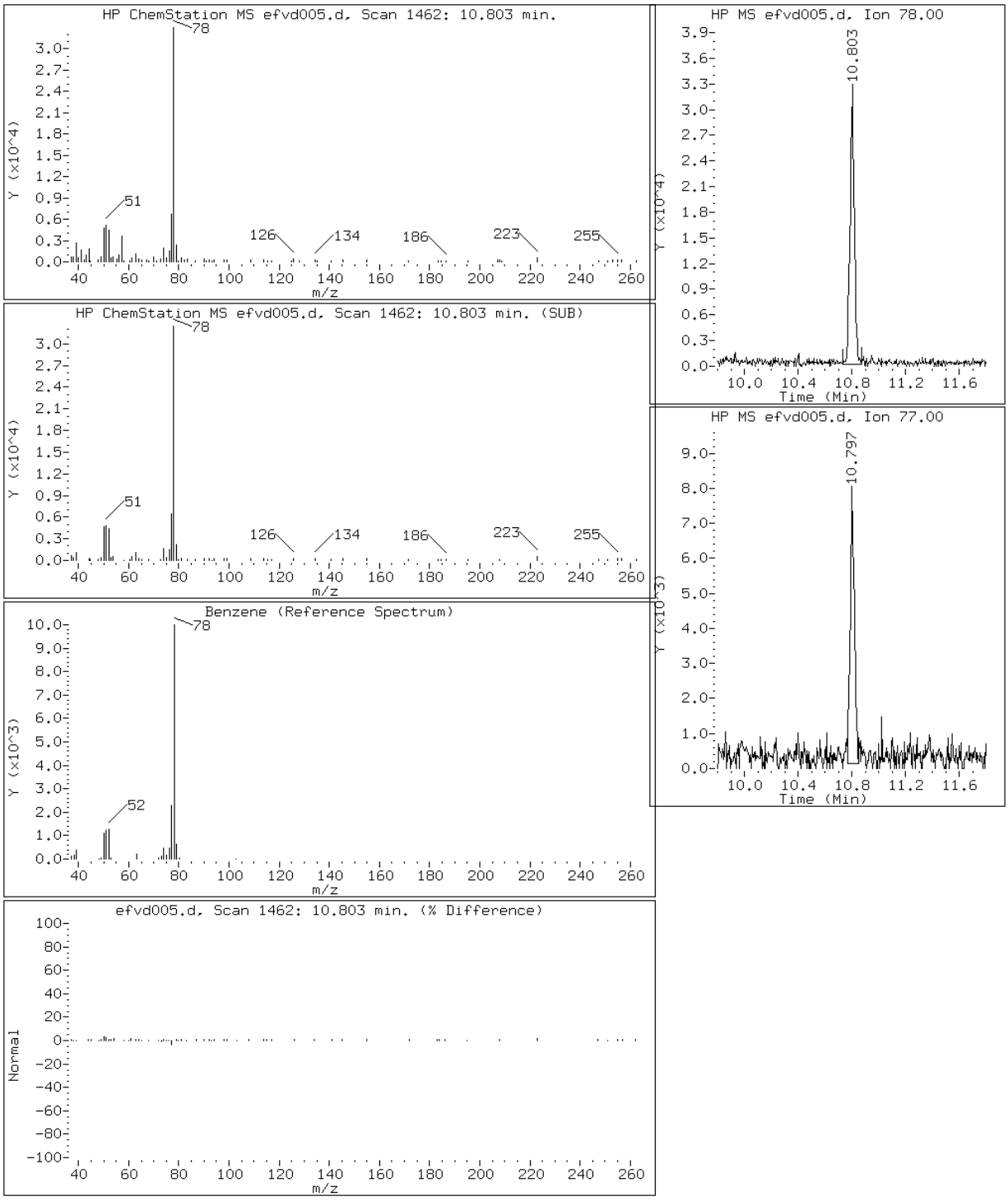
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

44 Benzene



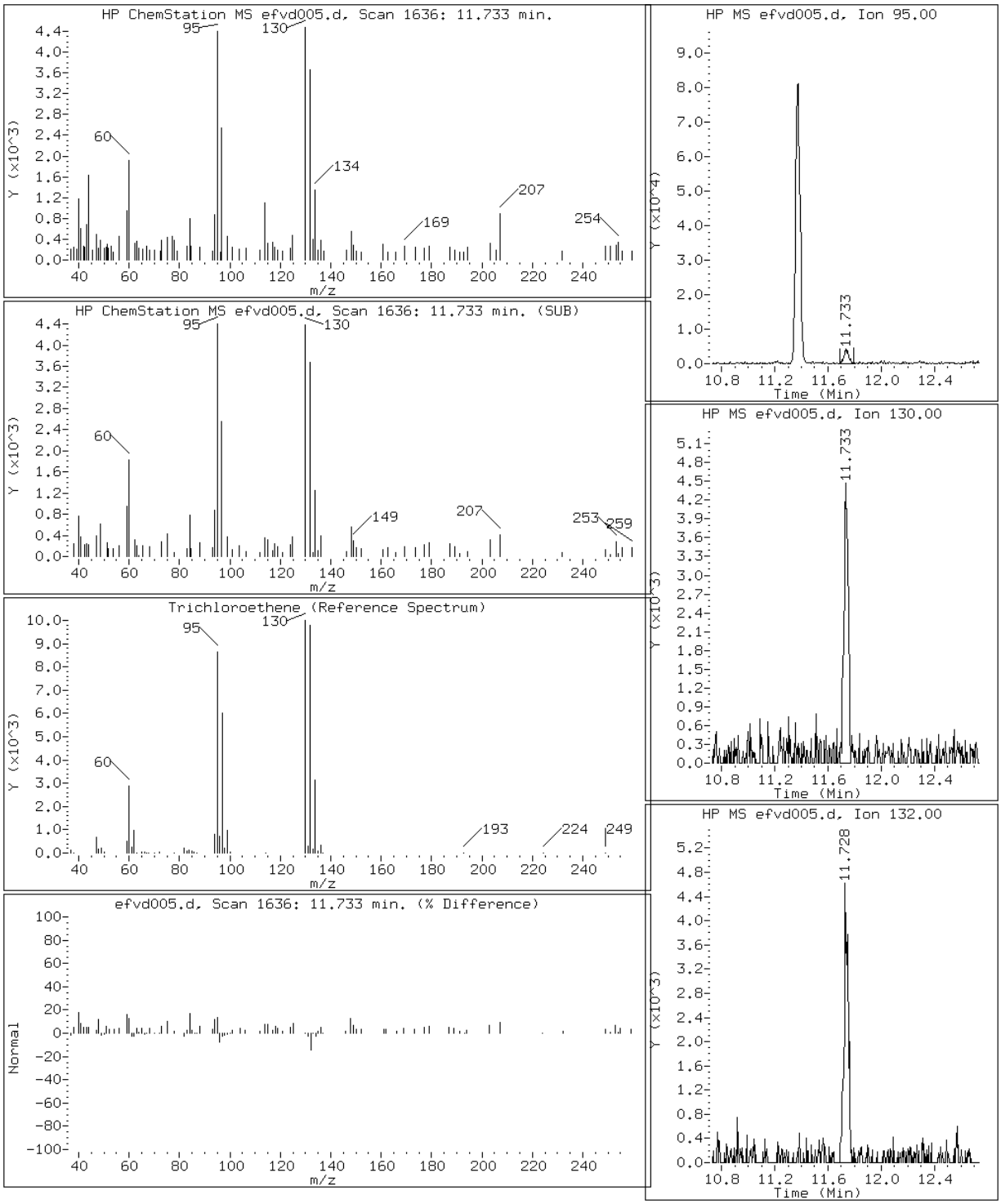
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

49 Trichloroethene



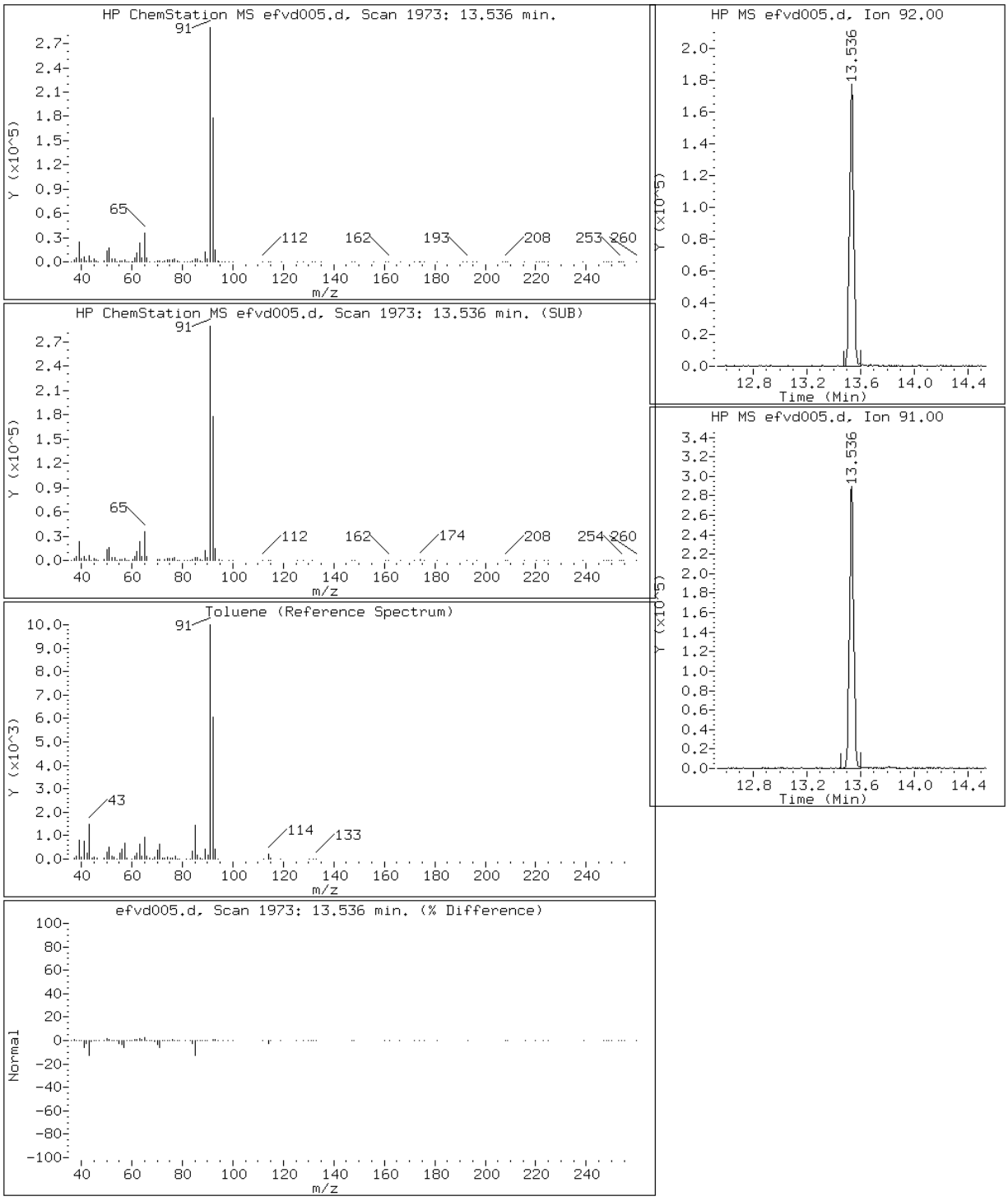
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

58 Toluene



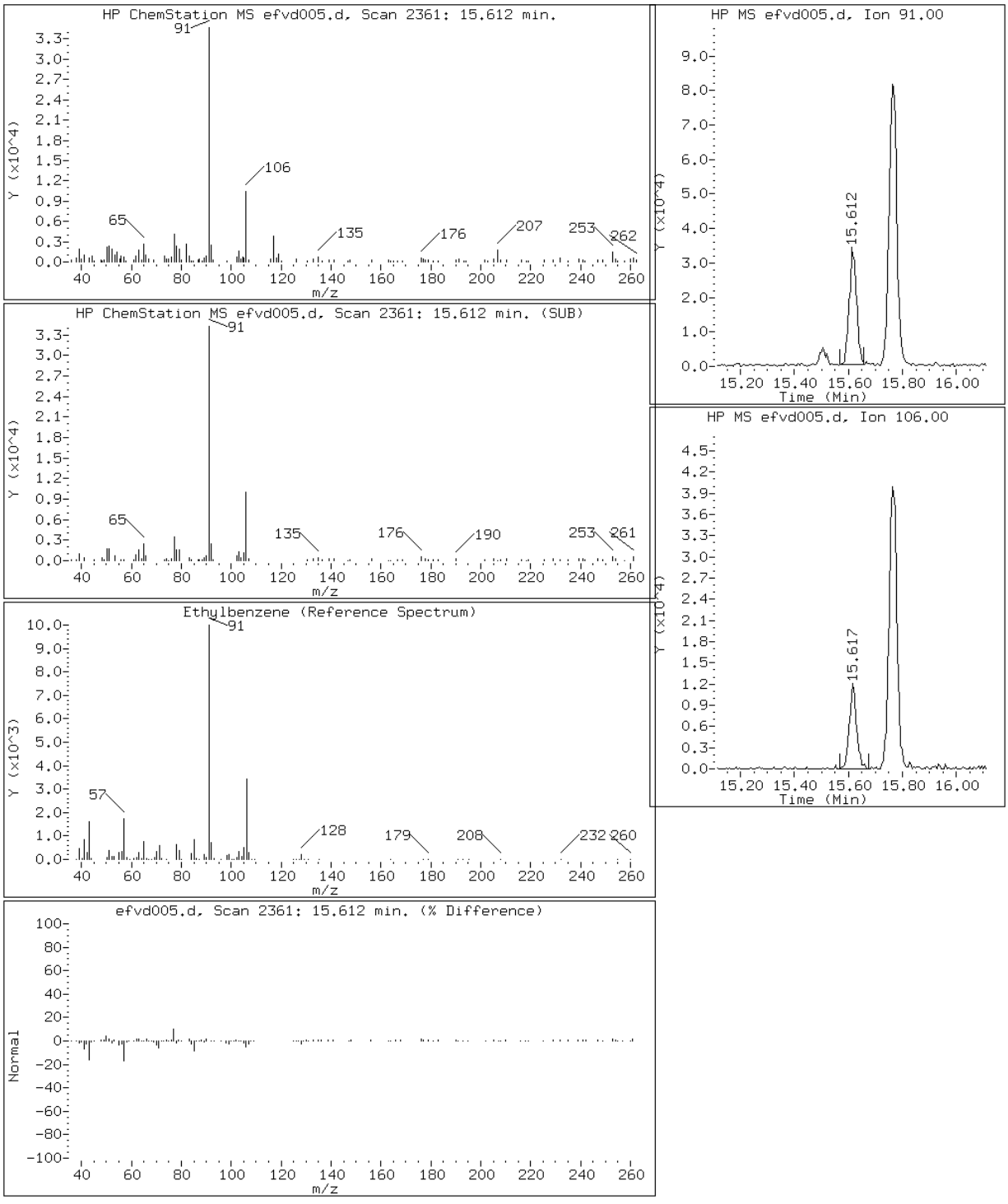
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

67 Ethylbenzene



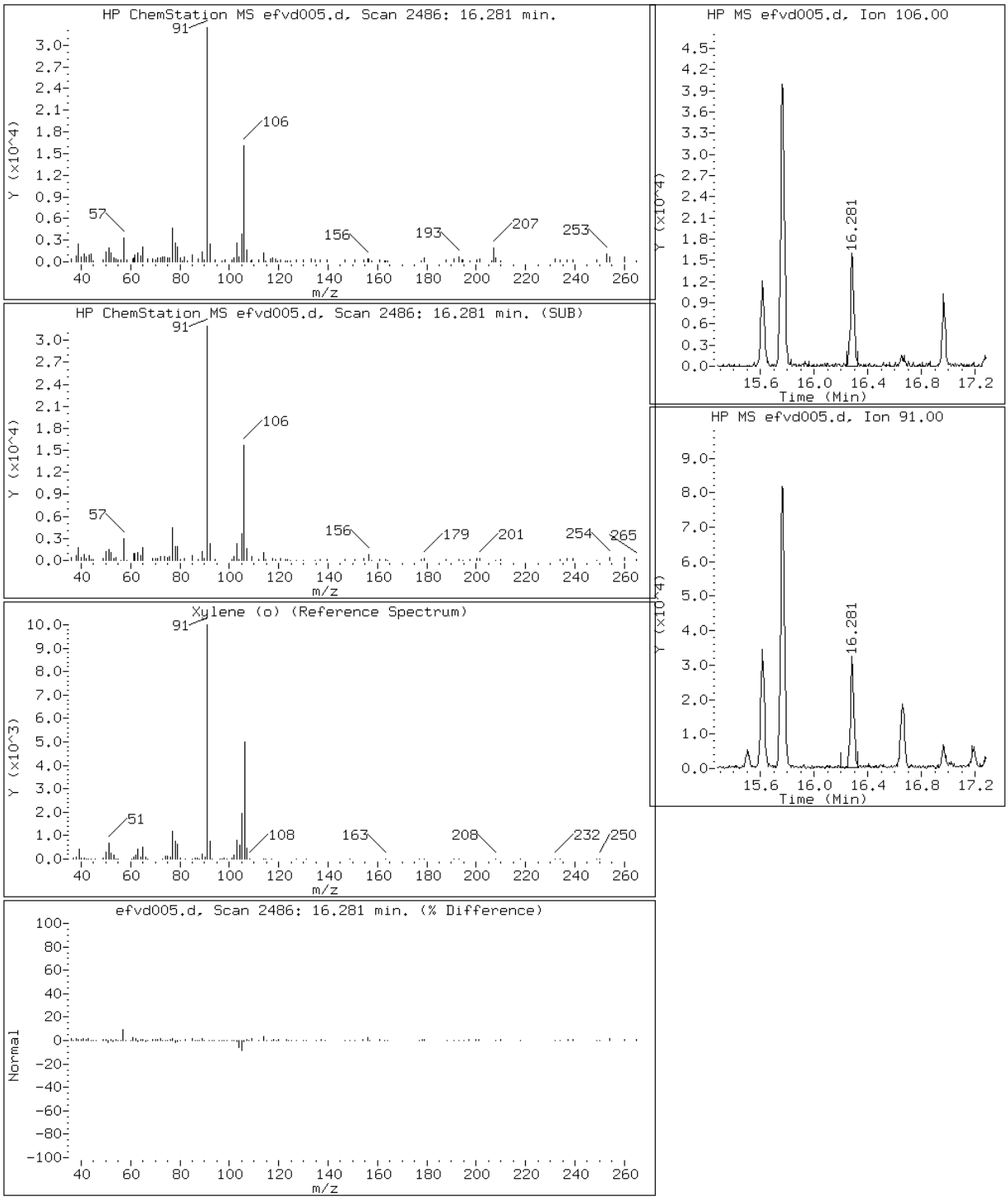
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

71 Xylene (o)



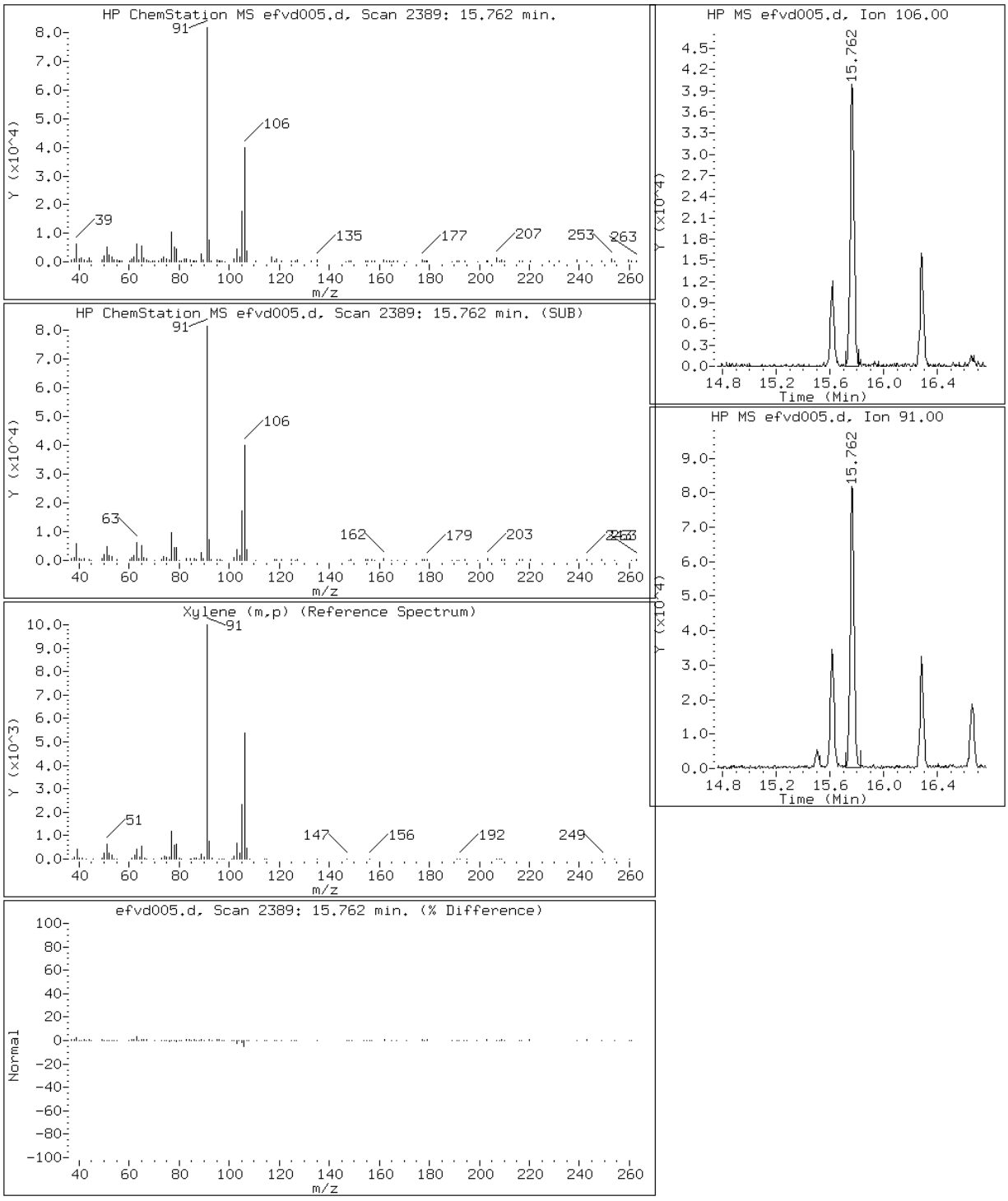
Data File: efvd005.d

Lab Sample ID: 200-16861-5 Date: 12-JUN-2013 15:03

Client ID: CS40811-053013 Instrument: E.i

Sample Info: 200-16861-A-5 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: DUP-053013 Lab Sample ID: 200-16861-6

Matrix: Air Lab File ID: efvd006.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:58

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.20		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	0.75		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.13		0.030	0.030
95-47-6	o-Xylene	106.17	0.14		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.39		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.53		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: DUP-053013 Lab Sample ID: 200-16861-6

Matrix: Air Lab File ID: efvd006.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:21

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 15:58

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.62		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	2.8		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.56		0.13	0.13
95-47-6	o-Xylene	106.17	0.62		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.7		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.3		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-6
Client Smp ID: DUP-053013
Inj Date : 12-JUN-2013 15:58
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-6
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 6
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

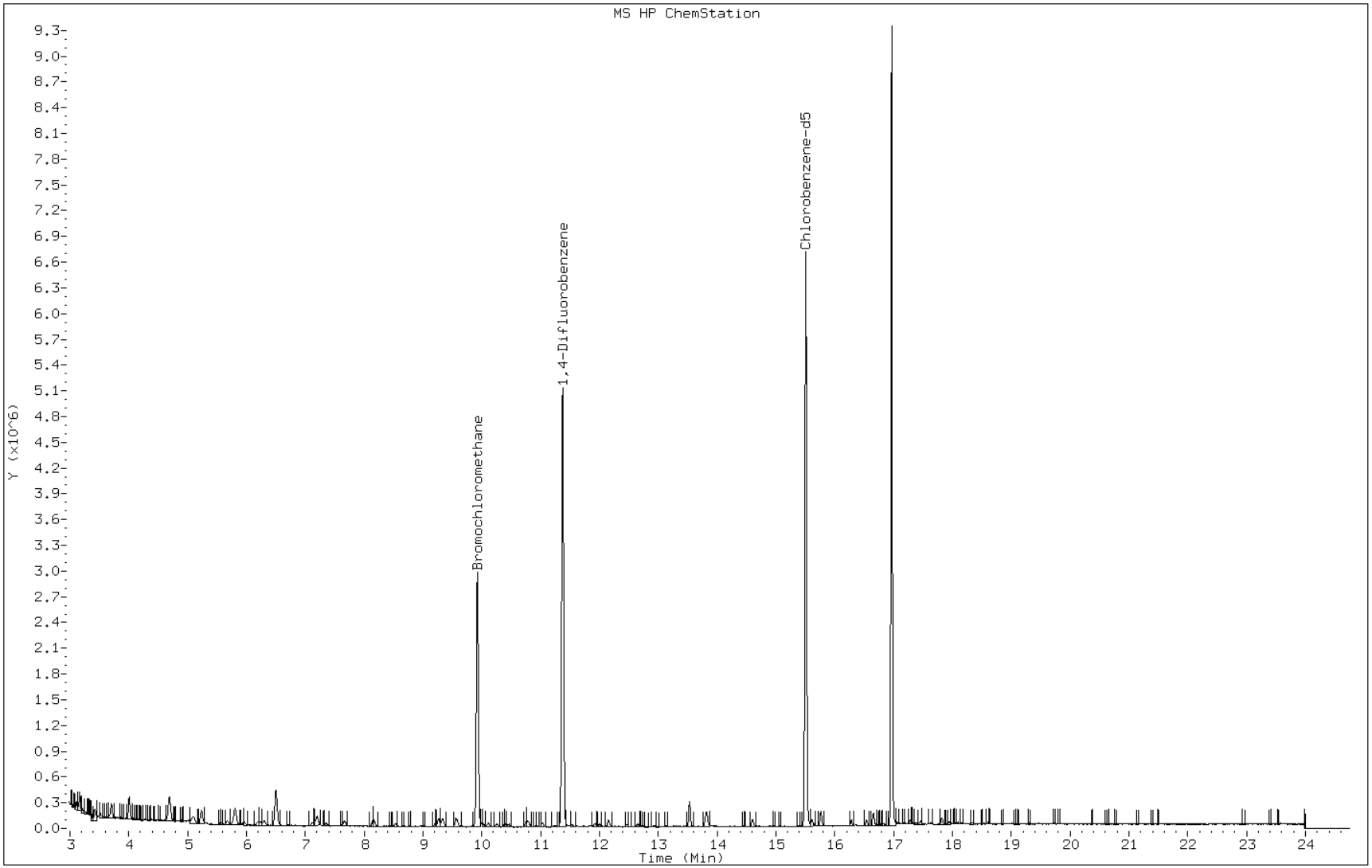
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	177266	0.17480	0.52
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	33397	0.21544	0.64(QM)
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	5.105	5.095	(0.514)	100887	0.08847	0.26
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	19609	0.02728	0.082(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.373	7.368	(0.743)	14123	0.04782	0.14(aQ)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
28	Methyl tert-butyl ether	73	Compound Not Detected.					
30	n-Hexane	57	8.155	8.155	(0.822)	49520	0.12096	0.36
31	1,1-Dichloroethane	63	Compound Not Detected.					
M 33	1,2-Dichloroethene, Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
* 36	Bromochloromethane	128	9.925	9.925	(1.000)	1140694	2.00000	
39	Chloroform	83	10.016	10.011	(1.009)	30277	0.03867	0.12
40	Cyclohexane	84	10.262	10.252	(0.902)	10104	0.02527	0.076(Q)
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	10.466	10.460	(0.920)	27557	0.02553	0.076
43	2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	78521	0.07280	0.22
44	Benzene	78	10.808	10.797	(0.950)	58893	0.06543	0.20
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	11.033	11.033	(0.970)	21729	0.05146	0.15
* 47	1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5454178	2.00000	
49	Trichloroethene	95	11.739	11.734	(1.032)	2867	0.00647	0.019(aQ)
50	1,2-Dichloropropane	63	Compound Not Detected.					
54	Bromodichloromethane	83	Compound Not Detected.					
55	1,3-Dichloropropene (cis)	75	Compound Not Detected.					
58	Toluene	92	13.536	13.536	(0.873)	146230	0.24998	0.75
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	15.505	15.505	(1.000)	4794975	2.00000	
66	Chlorobenzene	112	Compound Not Detected.					
67	Ethylbenzene	91	15.617	15.612	(1.007)	53988	0.04277	0.13
69	Xylene (m,p)	106	15.762	15.762	(1.017)	59990	0.13083	0.39
M 70	Xylene, Total	106				81385	0.17876	0.53
71	Xylene (o)	106	16.286	16.281	(1.050)	21395	0.04794	0.14
73	Bromoform	173	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
79	4-Ethyltoluene	105	17.308	17.313	(1.116)	12798	0.01329	0.040(M)
81	1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	12220	0.01535	0.046(a)
84	1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	40333	0.04805	0.14(QM)

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:	efvd006.d	Date:	12-JUN-2013 15:58
Client ID:	DUP-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-6		
Lab Sample ID:	200-16861-6		



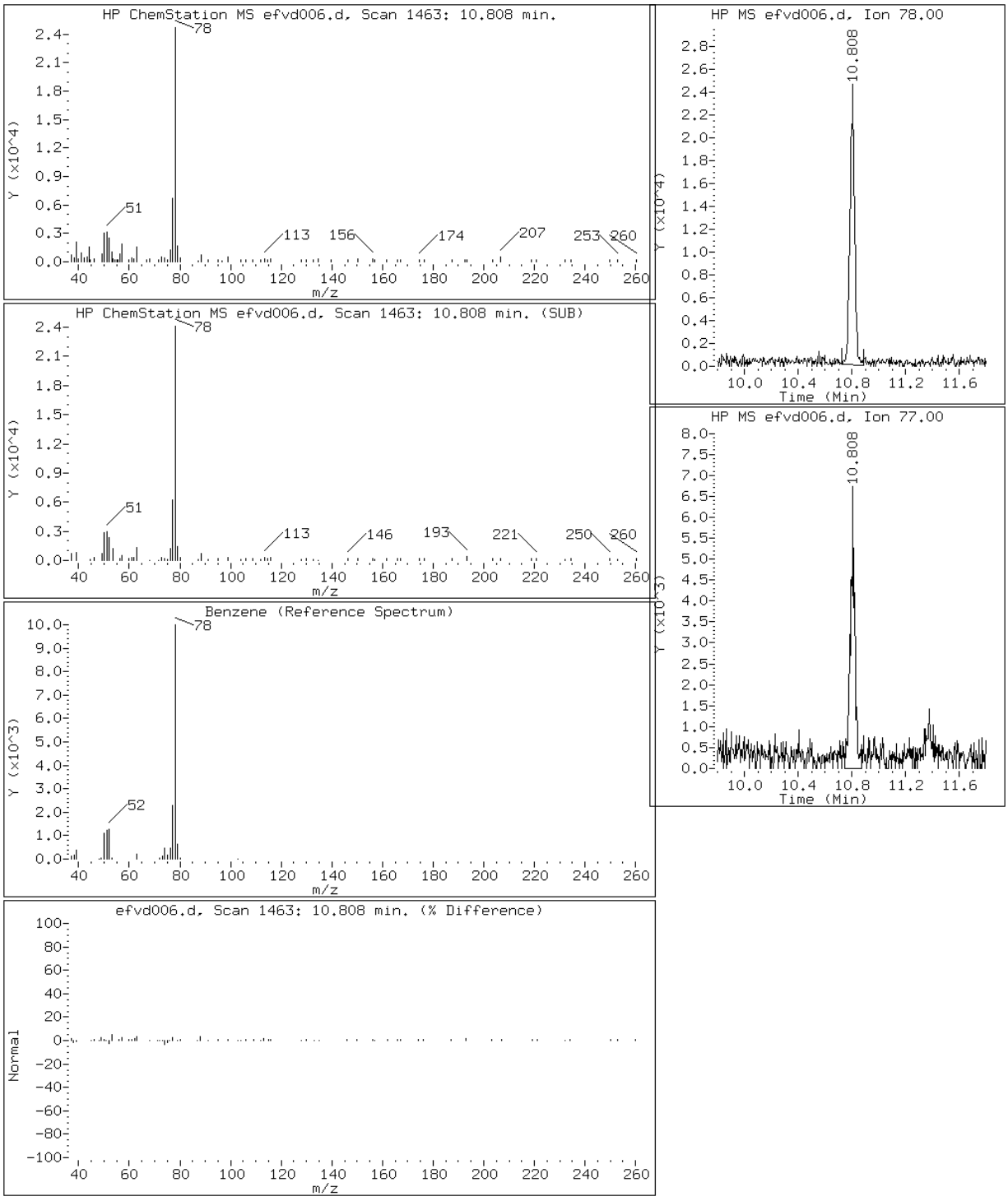
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

44 Benzene



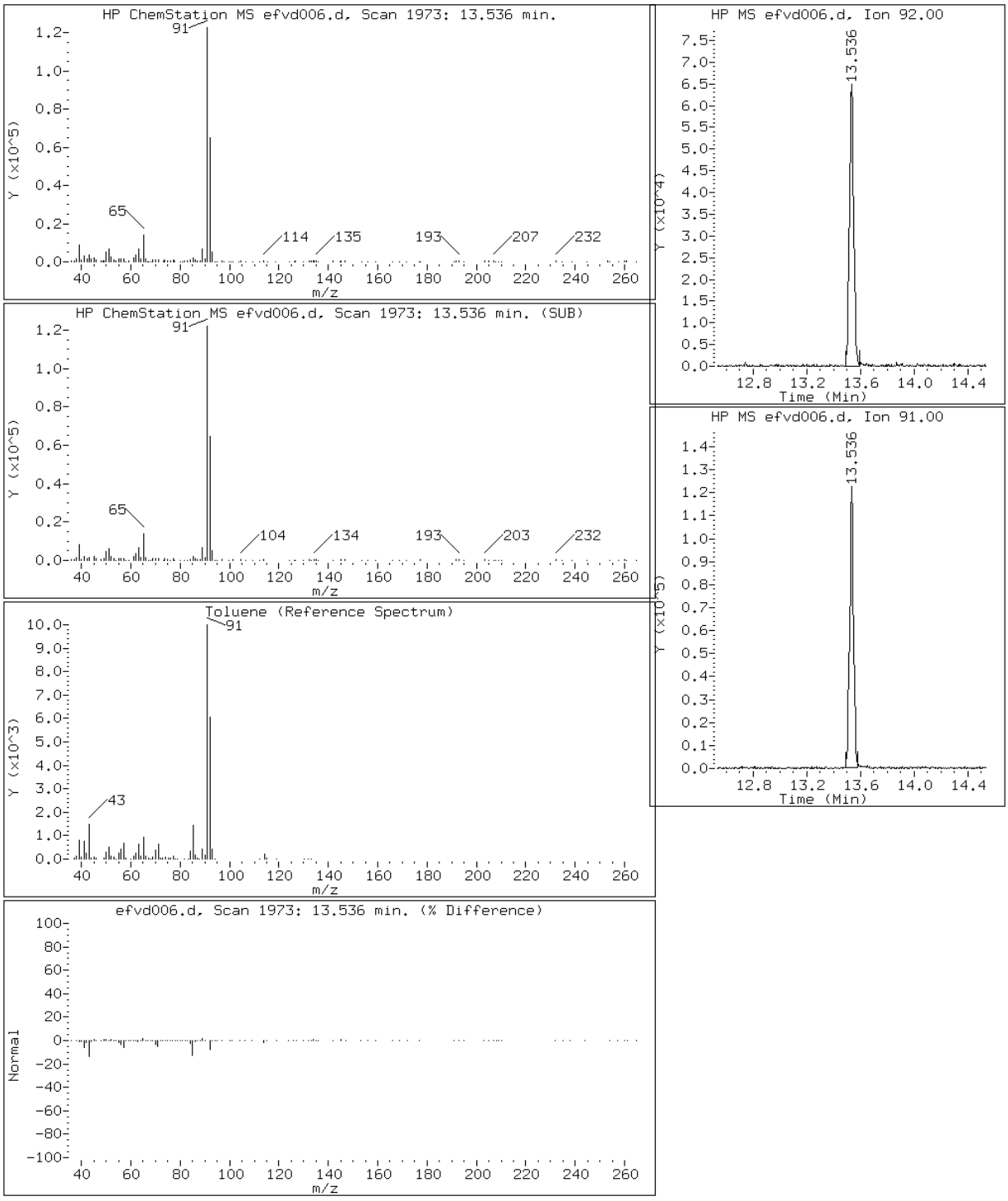
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

58 Toluene



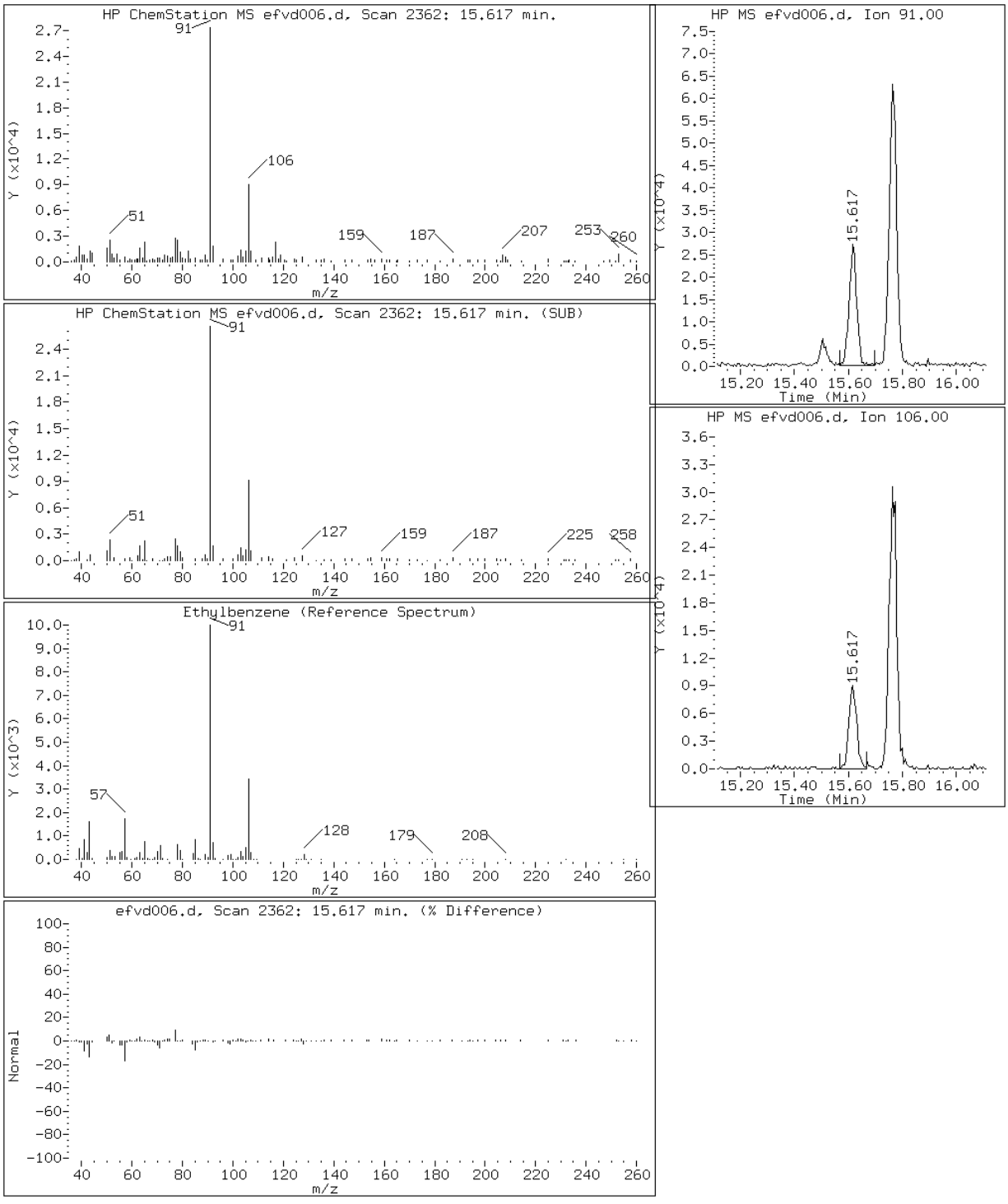
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

67 Ethylbenzene



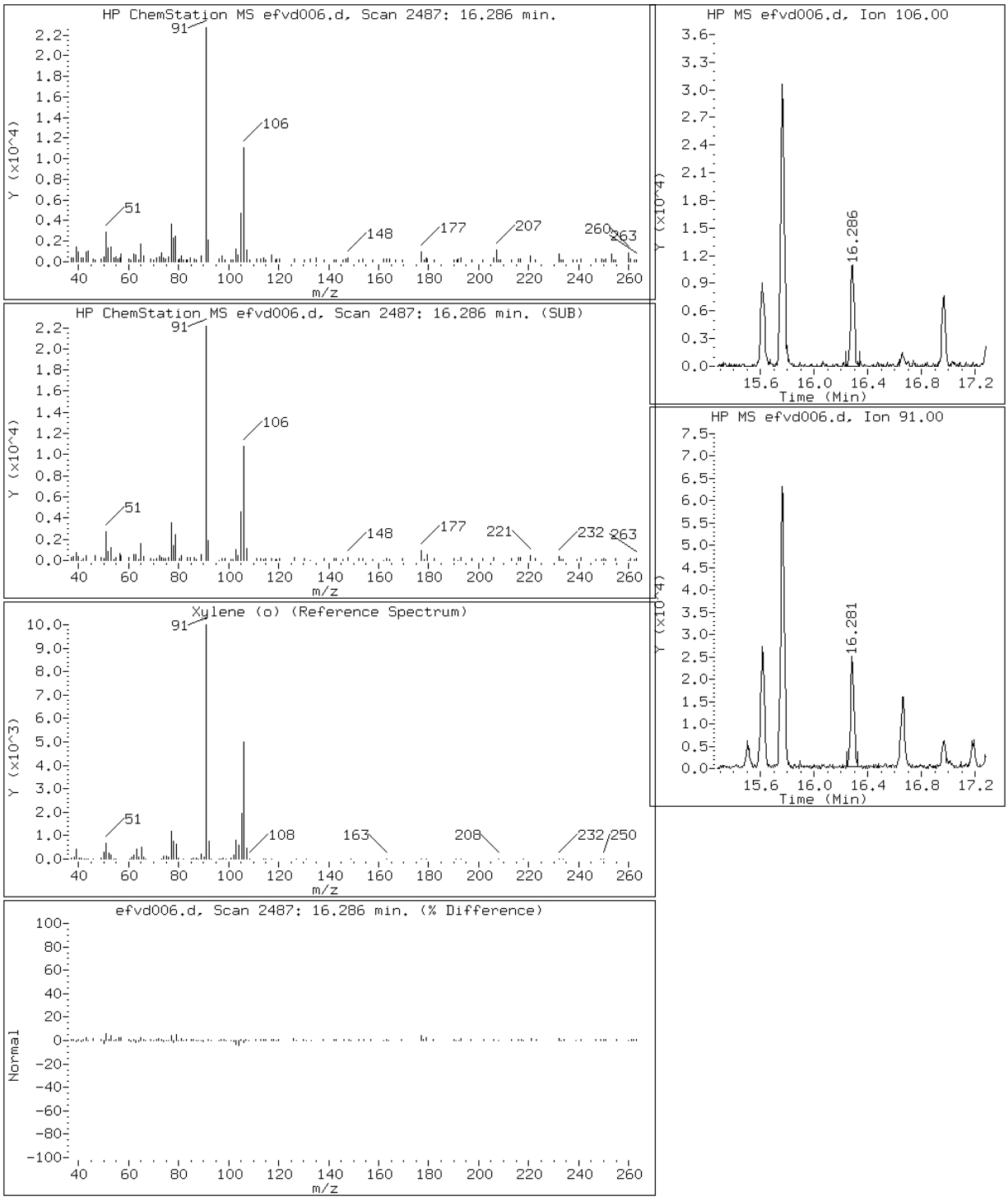
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

71 Xylene (o)



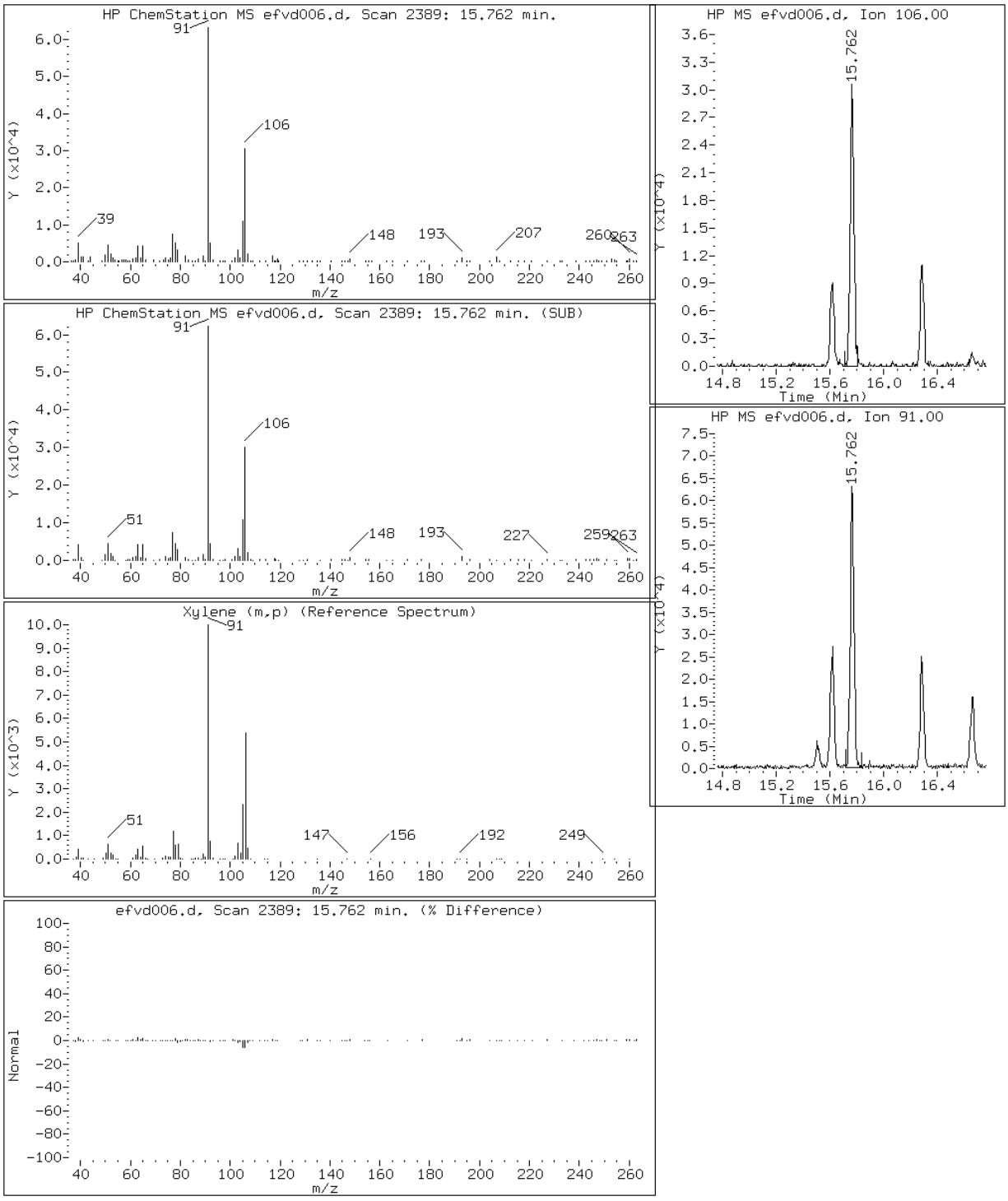
Data File: efvd006.d

Lab Sample ID: 200-16861-6 Date: 12-JUN-2013 15:58

Client ID: DUP-053013 Instrument: E.i

Sample Info: 200-16861-A-6 Operator: wrd

69 Xylene (m,p)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: BG-053013 Lab Sample ID: 200-16861-7

Matrix: Air Lab File ID: efvd007.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:51

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 16:53

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.060	U	0.060	0.060
75-35-4	1,1-Dichloroethene	96.94	0.030	U	0.030	0.030
156-60-5	trans-1,2-Dichloroethene	96.94	0.031		0.030	0.030
156-59-2	cis-1,2-Dichloroethene	96.94	0.030	U	0.030	0.030
71-43-2	Benzene	78.11	0.14		0.030	0.030
79-01-6	Trichloroethene	131.39	0.030	U	0.030	0.030
108-88-3	Toluene	92.14	1.4		0.030	0.030
127-18-4	Tetrachloroethene	165.83	0.030	U	0.030	0.030
100-41-4	Ethylbenzene	106.17	0.14		0.030	0.030
95-47-6	o-Xylene	106.17	0.12		0.030	0.030
179601-23-1	m-Xylene & p-Xylene	106.17	0.36		0.060	0.060
1330-20-7	Xylenes, Total	106.17	0.48		0.030	0.030
108-90-7	Chlorobenzene	112.30	0.12	U	0.12	0.12

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: BG-053013 Lab Sample ID: 200-16861-7

Matrix: Air Lab File ID: efvd007.d

Analysis Method: TO15 LL Date Collected: 05/31/2013 11:51

Sample wt/vol: 167(mL) Date Analyzed: 06/12/2013 16:53

Soil Aliquot Vol: Dilution Factor: 2.99

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.15	U	0.15	0.15
75-35-4	1,1-Dichloroethene	96.94	0.12	U	0.12	0.12
156-60-5	trans-1,2-Dichloroethene	96.94	0.12		0.12	0.12
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	U	0.12	0.12
71-43-2	Benzene	78.11	0.44		0.096	0.096
79-01-6	Trichloroethene	131.39	0.16	U	0.16	0.16
108-88-3	Toluene	92.14	5.4		0.11	0.11
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	106.17	0.61		0.13	0.13
95-47-6	o-Xylene	106.17	0.51		0.13	0.13
179601-23-1	m-Xylene & p-Xylene	106.17	1.6		0.26	0.26
1330-20-7	Xylenes, Total	106.17	2.1		0.13	0.13
108-90-7	Chlorobenzene	112.30	0.55	U	0.55	0.55

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-7
Client Smp ID: BG-053013
Inj Date : 12-JUN-2013 16:53
Operator : wrd Inst ID: E.i
Smp Info : 200-16861-A-7
Misc Info : 167,2.99
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 7
Dil Factor: 2.99000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	2.99000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	167.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

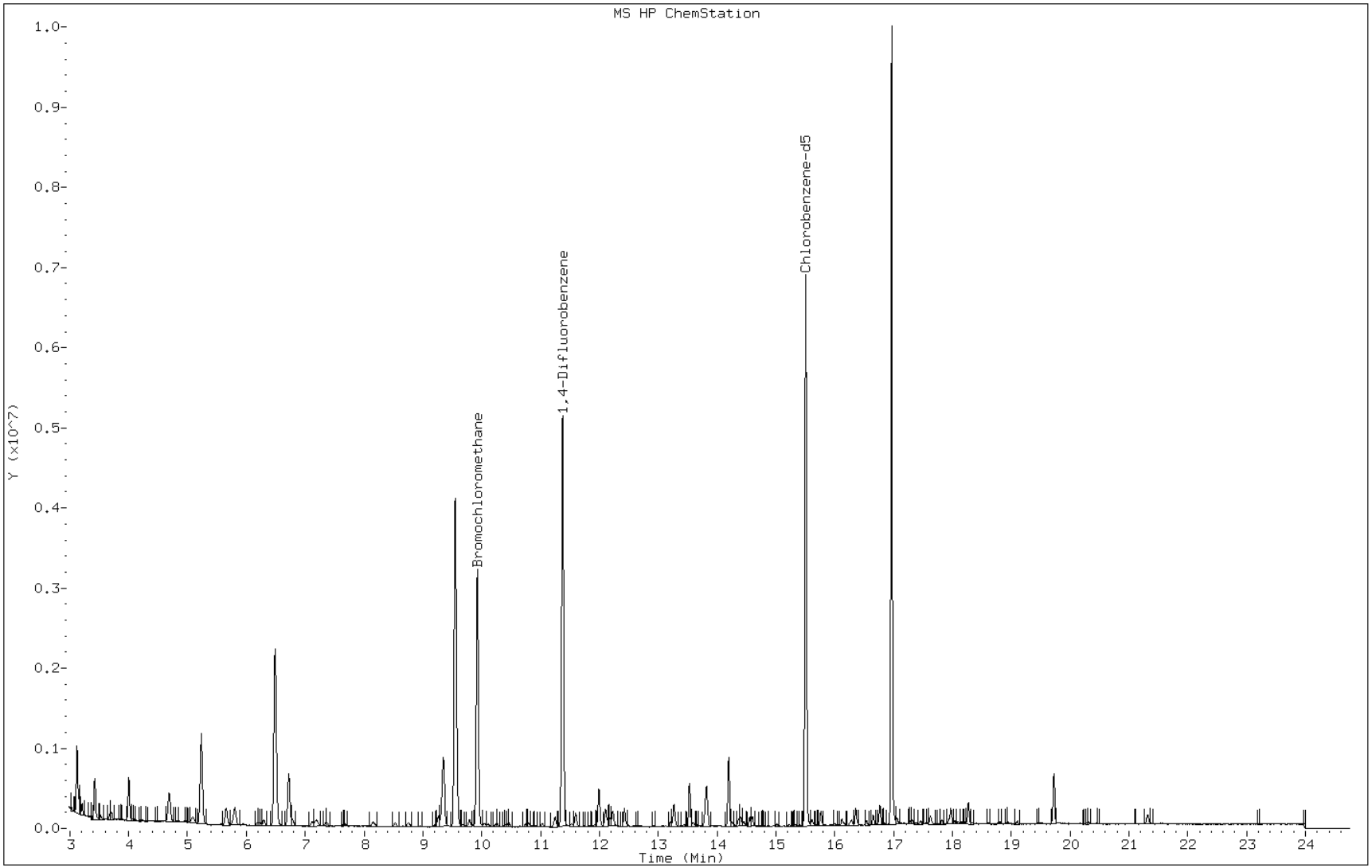
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	181622	0.17030	0.51
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.527	3.543	(0.355)	41177	0.25258	0.76(QM)
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	5.084	5.095	(0.512)	110872	0.09245	0.28
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	21086	0.02789	0.083(a)
19 1,1-Dichloroethene	96	Compound Not Detected.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.363	7.368	(0.742)	32452	0.10449	0.31
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	4762	0.01032	0.031
28 Methyl tert-butyl ether	73	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	30 n-Hexane	57	8.155	8.155	(0.822)	34046	0.07908	0.24
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61				6491	0.01549	0.046
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	1729	0.00517	0.015(aQ)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1199601	2.00000	
	39 Chloroform	83	10.006	10.011	(1.008)	5356	0.00651	0.019(a)
	40 Cyclohexane	84	10.252	10.252	(0.901)	29813	0.07440	0.22
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	34361	0.03176	0.095
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	43466	0.04021	0.12
	44 Benzene	78	10.803	10.797	(0.950)	41730	0.04626	0.14
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	11.027	11.033	(0.969)	21351	0.05045	0.15
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5466005	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	3770	0.00849	0.025(aQ)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	13.536	13.536	(0.873)	289005	0.47921	1.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	4560	0.00652	0.019(aQ)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4943644	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	15.612	15.612	(1.007)	60774	0.04670	0.14
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	56690	0.11991	0.36
M	70 Xylene, Total	106				74881	0.15945	0.48
	71 Xylene (o)	106	16.286	16.281	(1.050)	18191	0.03953	0.12
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	8522	0.00858	0.026(aQ)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	7981	0.00972	0.029(a)
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	23575	0.02724	0.081(aQM)

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:	efvd007.d	Date:	12-JUN-2013 16:53
Client ID:	BG-053013	Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-7		
Lab Sample ID:	200-16861-7		



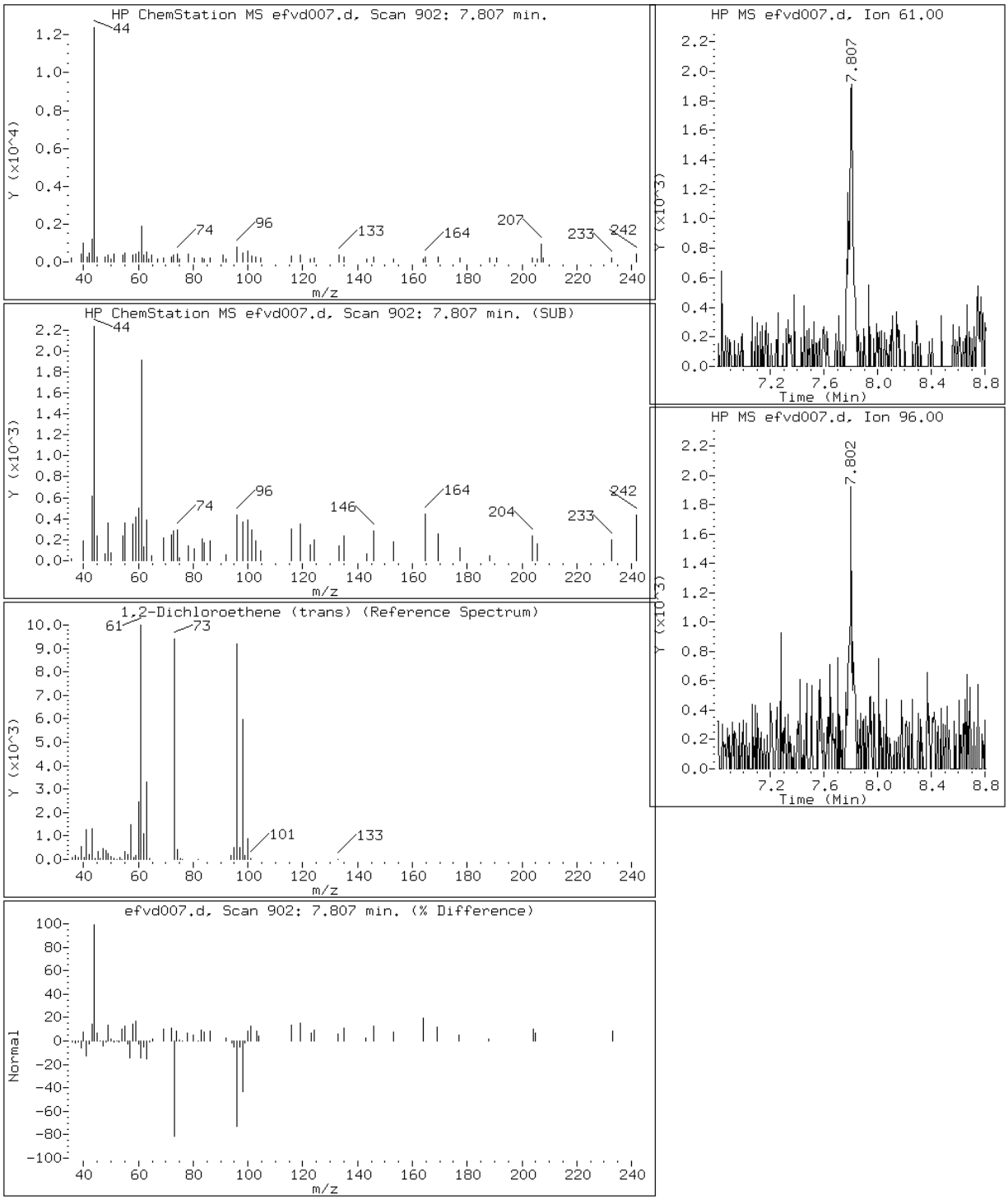
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

27 1,2-Dichloroethene (trans)



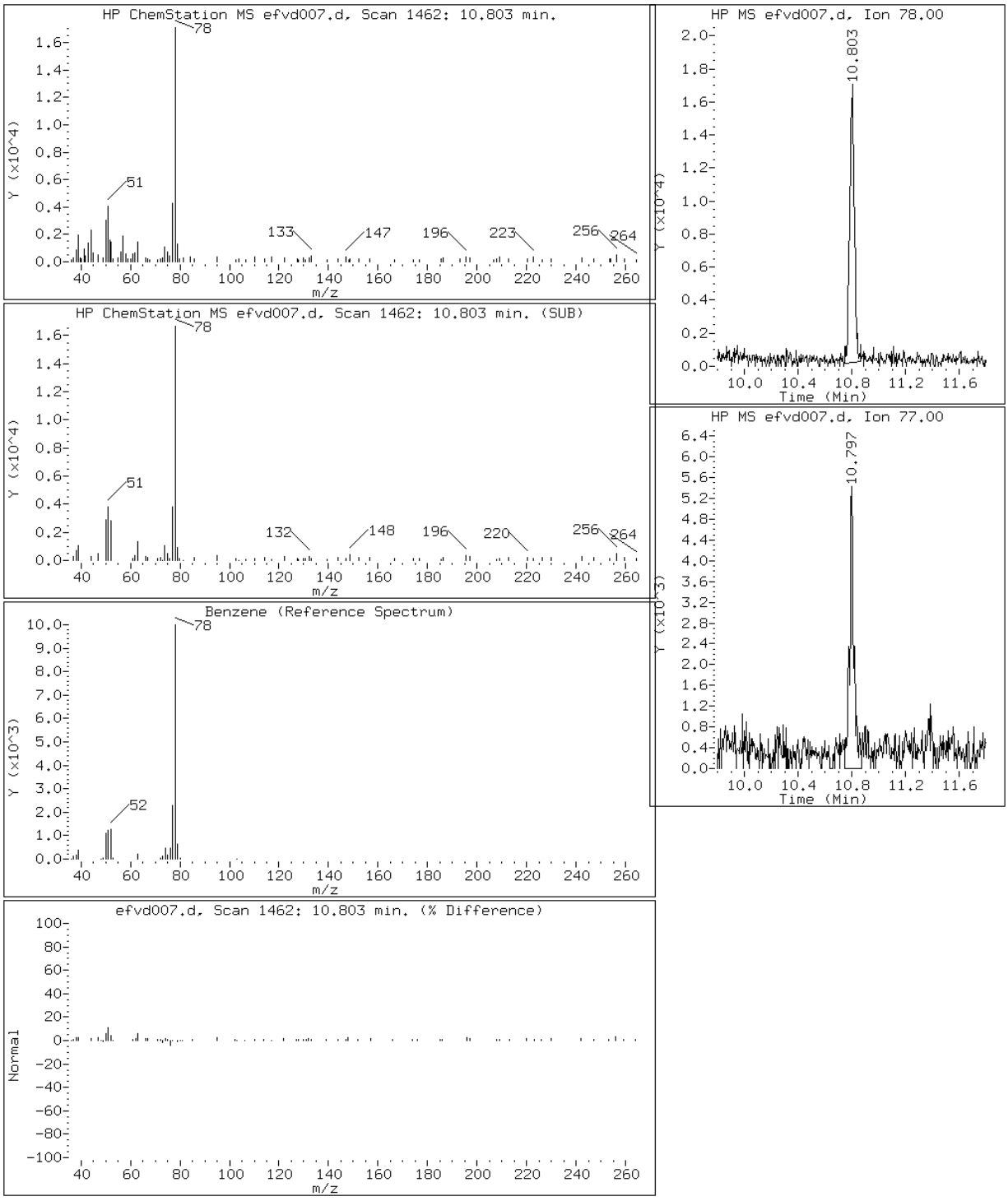
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

44 Benzene



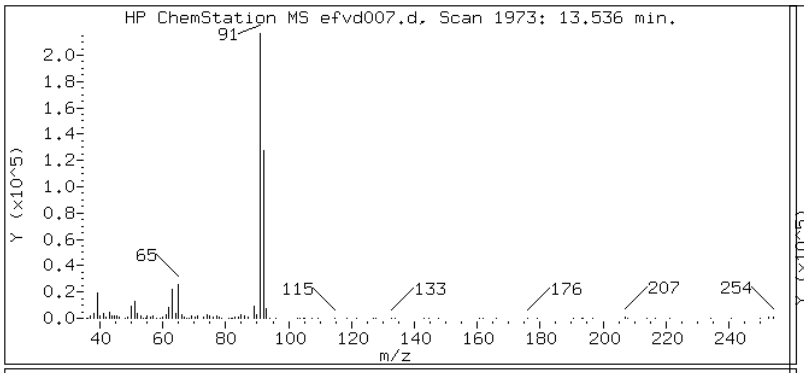
Data File: efvd007.d

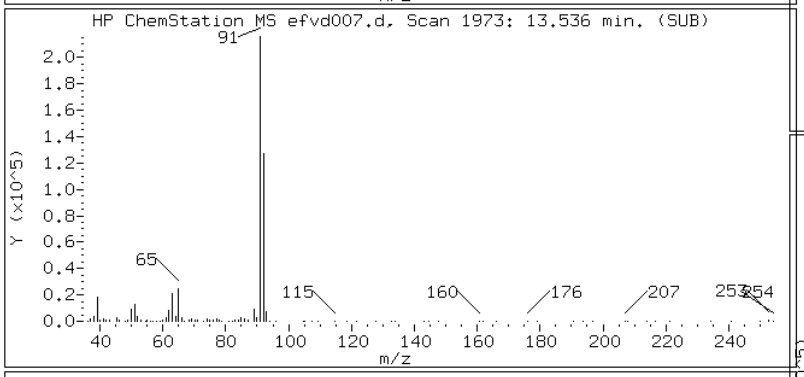
Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

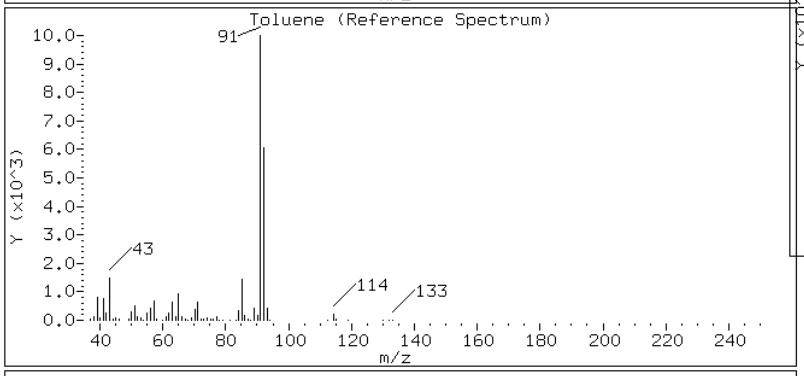
Client ID: BG-053013 Instrument: E.i

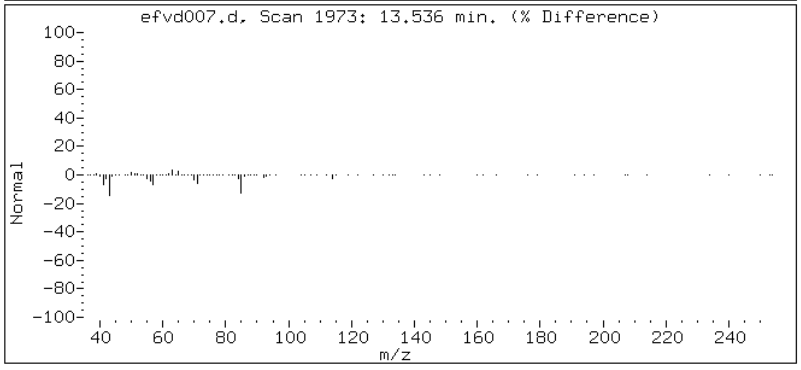
Sample Info: 200-16861-A-7 Operator: wrd

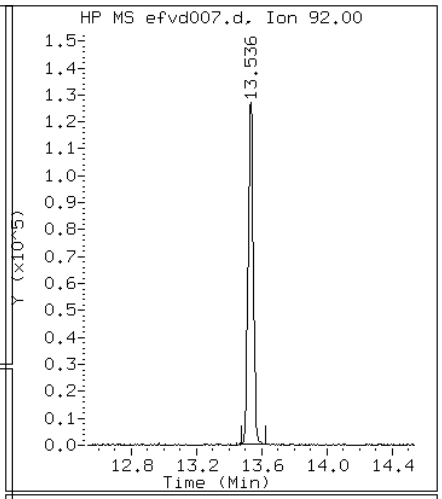
58 Toluene

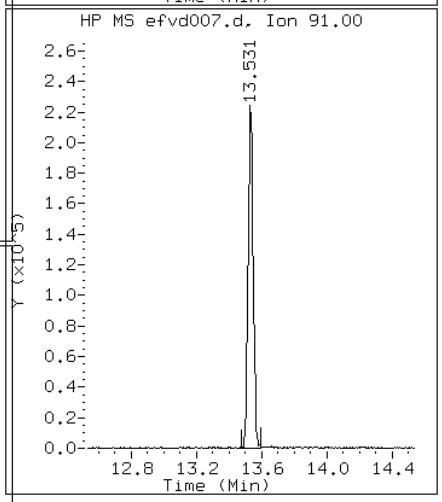












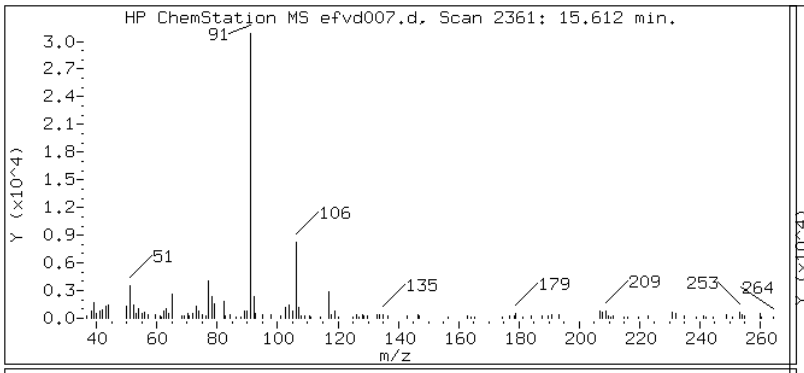
Data File: efvd007.d

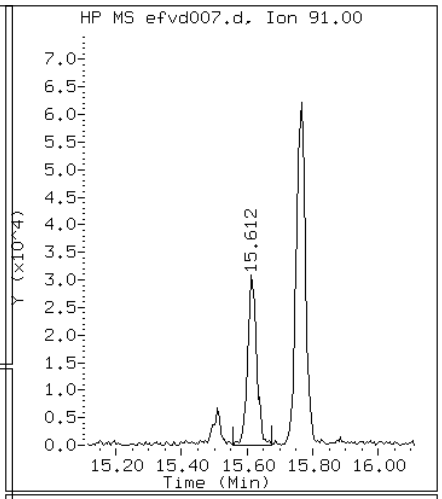
Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

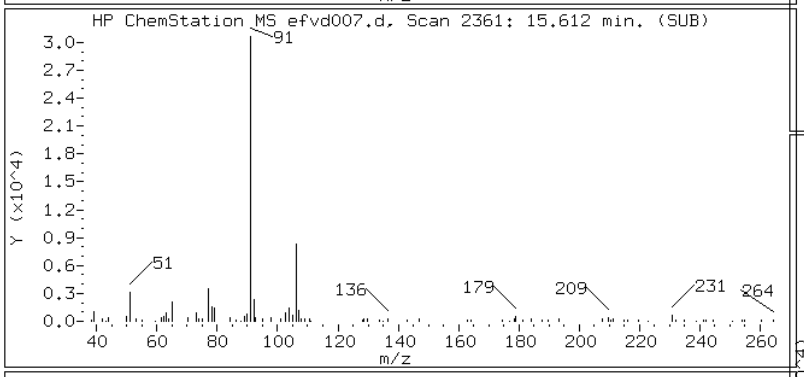
Client ID: BG-053013 Instrument: E.i

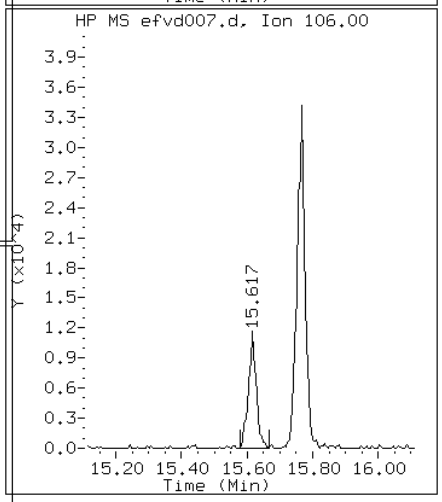
Sample Info: 200-16861-A-7 Operator: wrd

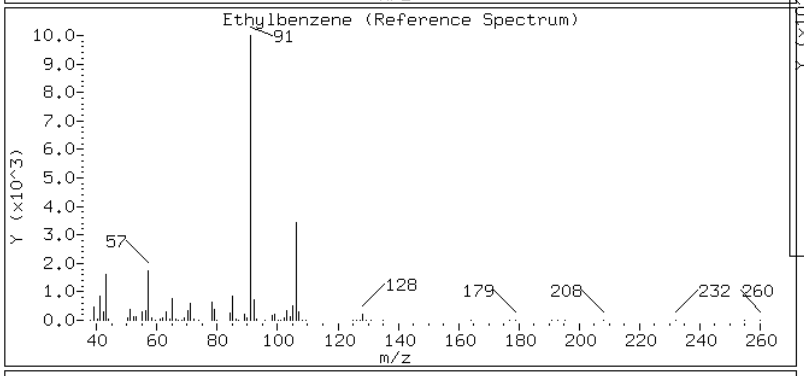
67 Ethylbenzene

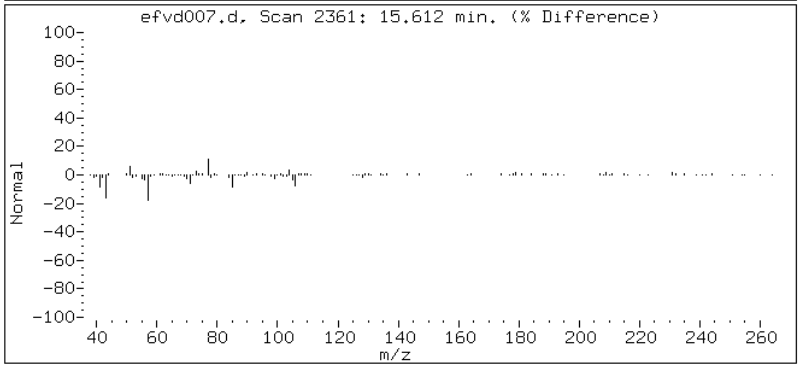












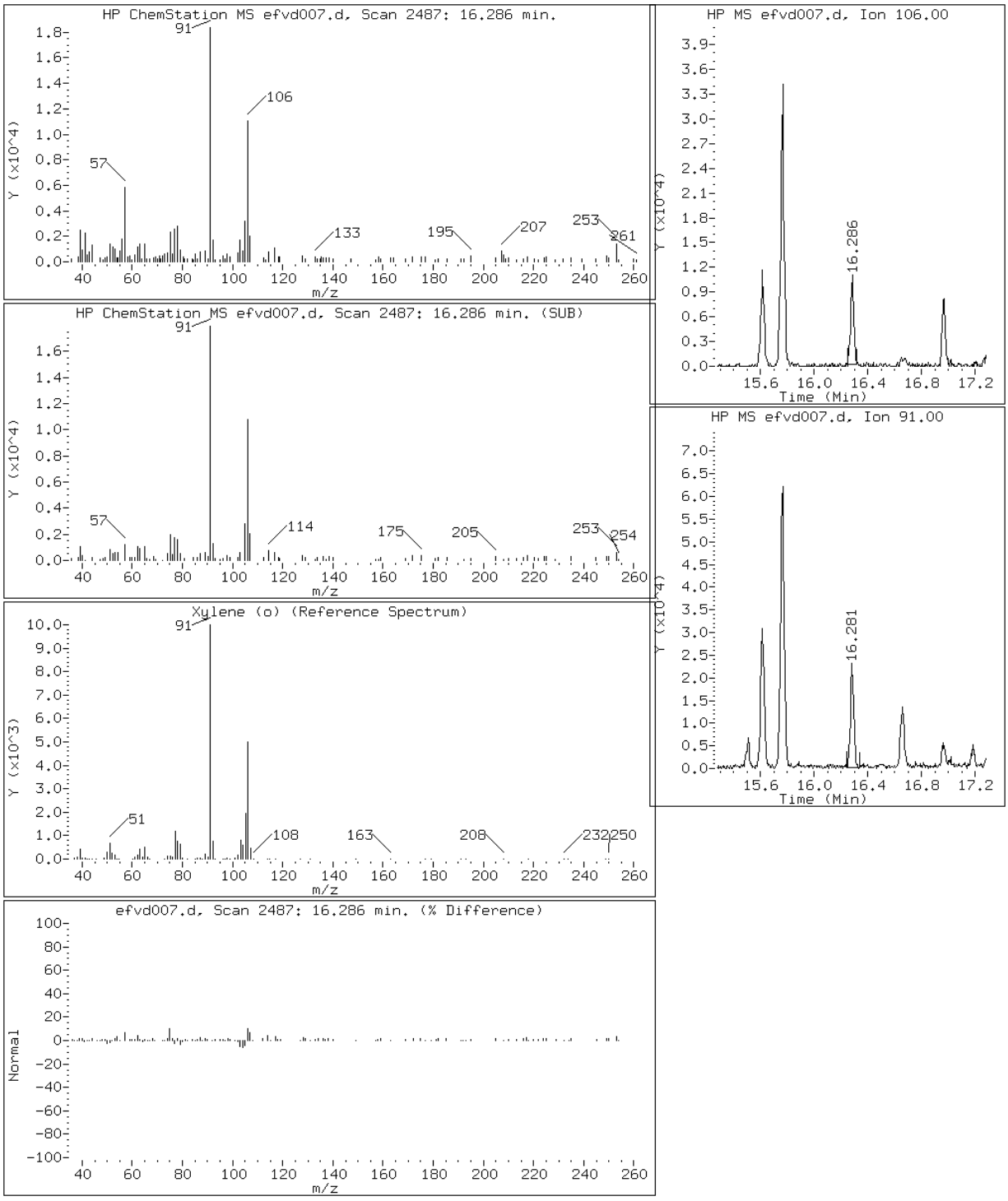
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

71 Xylene (o)



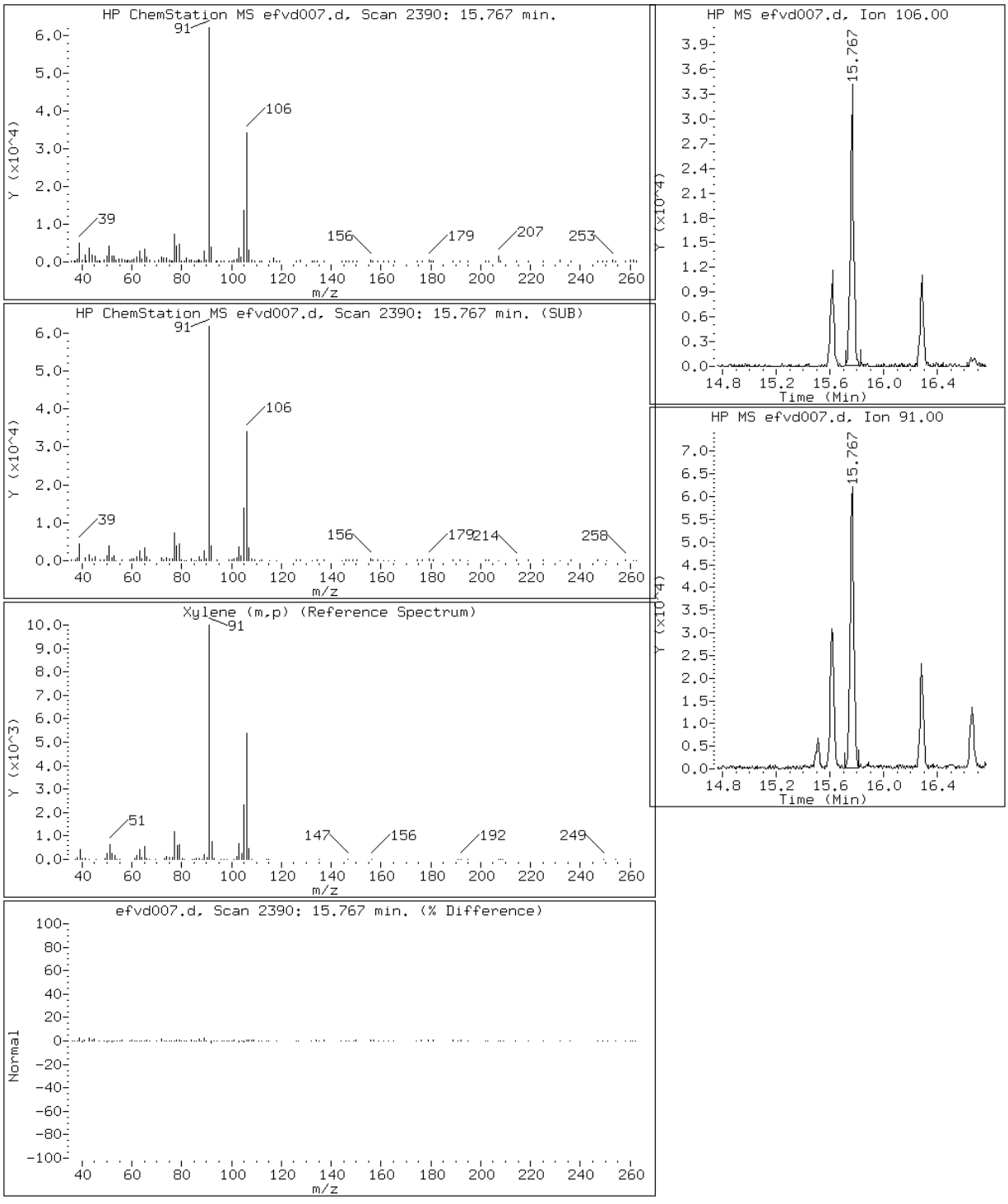
Data File: efvd007.d

Lab Sample ID: 200-16861-7 Date: 12-JUN-2013 16:53

Client ID: BG-053013 Instrument: E.i

Sample Info: 200-16861-A-7 Operator: wrd

69 Xylene (m,p)



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-56556/4	efv004.d
Level 2	IC 200-56556/5	efv005.d
Level 3	IC 200-56556/6	efv006.d
Level 4	IC 200-56556/7	efv007.d
Level 5	ICIS 200-56556/8	efv008.d
Level 6	IC 200-56556/9	efv009.d
Level 7	IC 200-56556/10	efv010.d
Level 8	IC 200-56556/11	efv011.d
Level 9	IC 200-56556/12	efv012.d
Level 10	IC 200-56556/13	efv013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane	2.1354 1.6553	1.8307 +++++	1.7584 1.5344	1.8224 +++++	1.7098 +++++	Ave		1.7781				10.6		30.0			
1,2-Dichlorotetrafluoroethane	1.7129 1.4346	1.4532 +++++	1.4200 1.3821	1.6206 +++++	1.5103 +++++	Ave		1.5048				8.0		30.0			
Vinyl chloride	+++++ 0.3492	0.3824 +++++	0.3704 0.3423	0.4059 +++++	0.3518 +++++	Ave		0.3670				6.6		30.0			
1,3-Butadiene	+++++ 0.2198	0.3160 +++++	0.2433 0.2086	0.2635 +++++	0.2295 +++++	Ave		0.2468				15.8		30.0			
Bromomethane	+++++ 0.4979	0.6335 +++++	0.5270 0.4625	0.5703 +++++	0.5064 +++++	Ave		0.5329				11.4		30.0			
Chloroethane	+++++ 0.1733	0.2552 +++++	0.2189 0.1632	0.2190 +++++	0.1920 +++++	Ave		0.2036				16.8		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.5739	0.7319 +++++	0.6615 0.5206	0.6656 +++++	0.5734 +++++	Ave		0.6211				12.6		30.0			
Trichlorofluoromethane	2.0379 1.9896	1.9264 +++++	1.9153 1.8739	2.2255 +++++	2.0271 +++++	Ave		1.9994				5.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 1.2420	+++++ +++++	1.1775 1.2223	1.3581 +++++	1.3028 +++++	Ave		1.2605				5.6		30.0			
1,1-Dichloroethene	0.6348 0.5028	0.6252 +++++	0.5196 0.5153	0.5505 +++++	0.5458 +++++	Ave		0.5563				9.6		30.0			
3-Chloropropene	+++++ 0.4652	0.5770 +++++	0.4796 0.4107	0.5174 +++++	0.4891 +++++	Ave		0.4898				11.3		30.0			
Methylene Chloride	+++++ 0.5455	+++++ 0.4538	+++++ 0.4627	0.7094 0.4227	0.6126 0.4178	Ave		0.5178				21.3		30.0			
Methyl tert-butyl ether	1.6324 1.3472	1.2757 +++++	1.1811 1.1508	1.2796 +++++	1.3392 +++++	Ave		1.3151				12.0		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
trans-1,2-Dichloroethene	0.8447 0.7301	0.8153 +++++	0.7152 0.6960	0.8232 +++++	0.7608 +++++	Ave		0.7693				7.6		30.0			
n-Hexane	+++++ 0.6595	0.8696 +++++	0.7545 0.6422	0.7202 +++++	0.6606 +++++	Ave		0.7178				12.0		30.0			
1,1-Dichloroethane	1.0162 0.9499	0.9207 +++++	0.8702 0.8395	1.0313 +++++	0.9952 +++++	Ave		0.9462				7.8		30.0			
cis-1,2-Dichloroethene	0.6144 0.5472	0.5747 +++++	0.5415 0.5109	0.5590 +++++	0.5532 +++++	Ave		0.5573				5.7		30.0			
Chloroform	1.6236 1.3521	1.3221 +++++	1.2775 1.1900	1.4289 +++++	1.4143 +++++	Ave		1.3727				10.0		30.0			
Cyclohexane	0.1504 0.1404	0.1564 +++++	0.1391 0.1427	0.1560 +++++	0.1413 +++++	Ave		0.1466				5.1		30.0			
1,1,1-Trichloroethane	0.3637 0.3366	0.3507 +++++	0.3210 0.3107	0.3847 +++++	0.3530 +++++	Ave		0.3458				7.3		30.0			
Carbon tetrachloride	0.4109 0.3824	0.4159 +++++	0.3644 0.3749	0.4158 +++++	0.4064 +++++	Ave		0.3958				5.4		30.0			
2,2,4-Trimethylpentane	0.3993 0.4109	0.3647 +++++	0.3611 0.3814	0.4423 +++++	0.4088 +++++	Ave		0.3955				7.3		30.0			
Benzene	0.4196 0.3065	0.3629 +++++	0.3087 0.2729	0.3338 +++++	0.3060 +++++	Ave		0.3301				14.6		30.0			
1,2-Dichloroethane	+++++ 0.1756	0.1601 +++++	0.1545 0.1479	0.1923 +++++	0.1795 +++++	Ave		0.1683				10.0		30.0			
n-Heptane	0.1823 0.1561	0.1765 +++++	0.1500 0.1257	0.1480 +++++	0.1454 +++++	Ave		0.1549				12.4		30.0			
Trichloroethene	0.1953 0.1574	0.1622 +++++	0.1569 0.1413	0.1701 +++++	0.1538 +++++	Ave		0.1624				10.4		30.0			
1,2-Dichloropropane	+++++ 0.1032	0.1026 +++++	0.0984 0.0868	0.1097 +++++	0.1087 +++++	Ave		0.1015				8.2		30.0			
Bromodichloromethane	0.3193 0.2842	0.2699 +++++	0.2545 0.2517	0.2915 +++++	0.2833 +++++	Ave		0.2792				8.3		30.0			
cis-1,3-Dichloropropene	0.1637 0.1534	0.1325 +++++	0.1212 0.1338	0.1492 +++++	0.1507 +++++	Ave		0.1435				10.3		30.0			
Toluene	0.2716 0.2497	0.2398 +++++	0.2316 0.2118	0.2538 +++++	0.2496 +++++	Ave		0.2440				7.7		30.0			
trans-1,3-Dichloropropene	0.1591 0.1600	0.1187 +++++	0.1263 0.1401	0.1537 +++++	0.1501 +++++	Ave		0.1440				11.3		30.0			
1,1,2-Trichloroethane	0.1531 0.1206	0.1196 +++++	0.1179 0.1041	0.1430 +++++	0.1209 +++++	Ave		0.1256				13.2		30.0			
Tetrachloroethene	0.3276 0.2743	0.2799 +++++	0.2574 0.2630	0.2919 +++++	0.2870 +++++	Ave		0.2830				8.2		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibromochloromethane	0.3531 0.3184	0.2776 +++++	0.2946 0.2947	0.3137 +++++	0.3138 +++++	Ave		0.3094				7.8		30.0			
1,2-Dibromoethane	0.2314 0.2222	0.1989 +++++	0.2016 0.2030	0.2204 +++++	0.2216 +++++	Ave		0.2142				5.9		30.0			
Ethylbenzene	0.5563 0.5607	0.4770 +++++	0.4944 0.4793	0.5694 +++++	0.5486 +++++	Ave		0.5265				7.8		30.0			
m-Xylene & p-Xylene	0.1947 0.2184	0.1630 +++++	0.1733 0.1888	0.1975 +++++	0.2031 +++++	Ave		0.1913				9.7		30.0			
o-Xylene	0.2048 0.2063	0.1700 +++++	0.1500 0.1859	0.1881 +++++	0.1981 +++++	Ave		0.1862				10.9		30.0			
Bromoform	0.3015 0.3252	0.2457 +++++	0.2474 0.3053	0.2894 +++++	0.3017 +++++	Ave		0.2880				10.5		30.0			
1,1,2,2-Tetrachloroethane	0.2186 0.2215	0.1603 +++++	0.1609 0.2120	0.1812 +++++	0.2158 +++++	Ave		0.1958				14.0		30.0			
4-Ethyltoluene	0.3670 0.5181	0.3517 +++++	0.3559 +++++	0.3566 +++++	0.4613 +++++	Ave		0.4018				17.6		30.0			
1,3,5-Trimethylbenzene	+++++ 0.4199	0.2697 +++++	0.2816 +++++	0.3128 +++++	0.3761 +++++	Ave		0.3320				19.3		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.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-56556/4	efv004.d
Level 2	IC 200-56556/5	efv005.d
Level 3	IC 200-56556/6	efv006.d
Level 4	IC 200-56556/7	efv007.d
Level 5	ICIS 200-56556/8	efv008.d
Level 6	IC 200-56556/9	efv009.d
Level 7	IC 200-56556/10	efv010.d
Level 8	IC 200-56556/11	efv011.d
Level 9	IC 200-56556/12	efv012.d
Level 10	IC 200-56556/13	efv013.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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave	13606 511068	24279 +++++	44743 1050459	104846 +++++	210069 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichlorotetrafluoroethane	BCM	Ave	10914 442933	19272 +++++	36132 946149	93237 +++++	185548 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Vinyl chloride	BCM	Ave	+++++ 107828	5072 +++++	9426 234302	23350 +++++	43222 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	+++++ 67850	4191 +++++	6191 142807	15160 +++++	28195 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave	+++++ 153736	8402 +++++	13409 316644	32813 +++++	62214 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroethane	BCM	Ave	+++++ 53499	3384 +++++	5571 111692	12602 +++++	23592 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 177198	9706 +++++	16831 356408	38291 +++++	70441 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	12985 614315	25548 +++++	48736 1282830	128040 +++++	249052 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloro-1,2,2-trifluoroetha ne	BCM	Ave	+++++ 383470	+++++ +++++	29961 836754	78133 +++++	160060 +++++	+++++ 0.500	+++++ +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethene	BCM	Ave	4045 155227	8292 +++++	13221 352755	31671 +++++	67060 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	+++++ 143634	7652 +++++	12203 281189	29766 +++++	60089 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	+++++ 168425	+++++ 221191	+++++ 316737	40812 452079	75267 601453	+++++ 0.500	+++++ 0.750	+++++ 1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	10401 415958	16918 +++++	30054 787815	73615 +++++	164529 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,2-Dichloroethene	BCM	Ave	5382 225430	10813 +++++	18199 476484	47363 +++++	93471 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
n-Hexane	BCM	Ave	+++++ 203609	11533 +++++	19199 439613	41436 +++++	81163 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1-Dichloroethane	BCM	Ave	6475 293299	12210 +++++	22143 574716	59335 +++++	122266 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	3915 168962	7622 +++++	13778 349746	32161 +++++	67965 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave	10345 417481	17534 +++++	32507 814662	82205 +++++	173759 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Cyclohexane	DFB	Ave	4575 215684	9938 +++++	17038 484105	43343 +++++	84106 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave	11068 517009	22280 +++++	39317 1053984	106899 +++++	210111 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Carbon tetrachloride	DFB	Ave	12503 587423	26424 +++++	44636 1271748	115554 +++++	241852 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
2,2,4-Trimethylpentane	DFB	Ave	12149 631114	23171 +++++	44235 1293860	122910 +++++	243304 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	12767 470759	23055 +++++	37814 925807	92753 +++++	182141 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	+++++ 269730	10168 +++++	18922 501777	53437 +++++	106844 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
n-Heptane	DFB	Ave	5546 239747	11211 +++++	18381 426467	41118 +++++	86535 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	5944 241749	10302 +++++	19217 479172	47272 +++++	91519 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave	+++++ 158513	6516 +++++	12048 294402	30478 +++++	64665 +++++	+++++ 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromodichloromethane	DFB	Ave	9716 436607	17149 +++++	31172 853782	81002 +++++	168622 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
cis-1,3-Dichloropropene	DFB	Ave	4981 235698	8416 +++++	14843 453707	41455 +++++	89706 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Toluene	CBZ	Ave	7284 352398	13169 +++++	24571 665739	61996 +++++	135205 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	4840 245743	7543 +++++	15475 475095	42717 +++++	89320 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave	4105 170205	6567 +++++	12506 327325	34937 +++++	65475 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Tetrachloroethene	CBZ	Ave	8786 387060	15371 +++++	27306 826667	71302 +++++	155443 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Dibromochloromethane	CBZ	Ave	9471 449313	15246 +++++	31262 926369	76623 +++++	169964 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	6207 313539	10922 +++++	21391 638007	53840 +++++	120014 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 56556

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 21988

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Ethylbenzene	CBZ	Ave	14921 791112	26197 +++++	52451 1506425	139099 +++++	297130 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
m-Xylene & p-Xylene	CBZ	Ave	10443 616455	17909 +++++	36774 1186848	96483 +++++	219971 +++++	0.0200 1.00	0.0400 +++++	0.0800 2.00	0.200 +++++	0.400 +++++
o-Xylene	CBZ	Ave	5492 291100	9336 +++++	15911 584337	45960 +++++	107287 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Bromoform	CBZ	Ave	8086 458901	13495 +++++	26249 959494	70696 +++++	163433 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	5863 312547	8806 +++++	17068 666517	44274 +++++	116901 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
4-Ethyltoluene	CBZ	Ave	9843 731034	19314 +++++	37765 +++++	87111 +++++	249870 +++++	0.0100 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 592477	14815 +++++	29878 +++++	76398 +++++	203713 +++++	+++++ 0.500	0.0200 +++++	0.0400 +++++	0.100 +++++	0.200 +++++

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv004.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 11:51
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:18 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 11:51 Cal File: efv004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	13606	0.01000	0.011
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	10914	0.01000	0.011
7 Vinyl chloride	62	3.746	3.746	(0.377)	3643	0.01000	0.016(a)
8 1,3-Butadiene	54	3.816	3.805	(0.384)	1602	0.01000	0.011(a)
9 Bromomethane	94	4.404	4.415	(0.444)	4681	0.01000	0.014(aQM)
10 Chloroethane	64	4.613	4.618	(0.465)	2301	0.01000	0.019(a)
12 Vinyl bromide	106	4.993	4.993	(0.503)	6544	0.01000	0.018(a)
13 Trichlorofluoromethane	101	5.084	5.095	(0.512)	12985	0.01000	0.010
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.223	(0.625)	9746	0.01000	0.012(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	4045	0.01000	0.011(M)
22 Allyl chloride	41	7.069	7.074	(0.712)	3141	0.01000	0.010(a)
25 Methylene chloride	49	7.363	7.368	(0.742)	12368	0.01000	0.032(a)
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	5382	0.01000	0.010
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	10401	0.01000	0.011

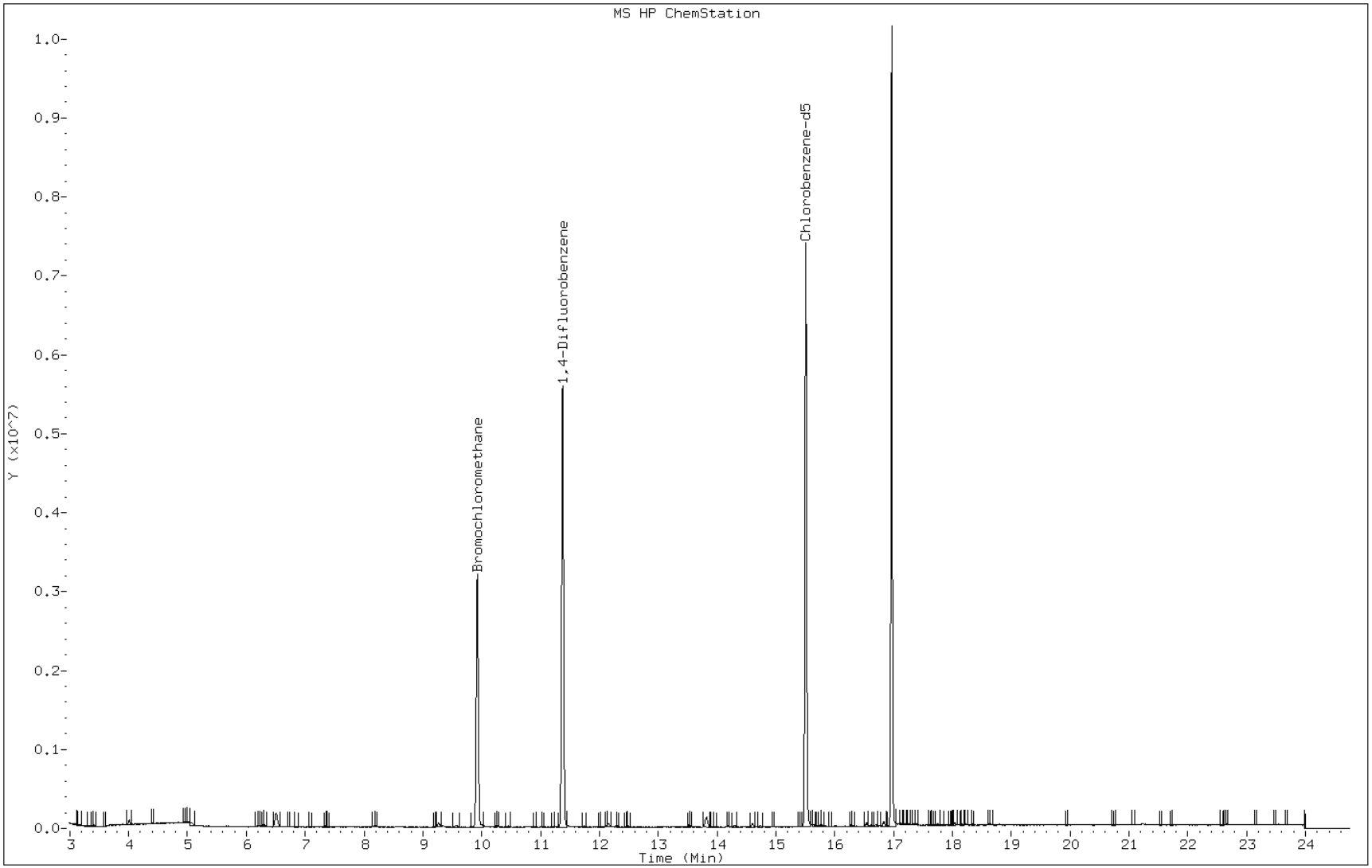
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.160	8.155	(0.822)	4166	0.01000	0.0099(a)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	6475	0.01000	0.010
M	33 1,2-Dichloroethene, Total	61				9297	0.02000	0.021
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	3915	0.01000	0.010
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1274321	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	10345	0.01000	0.011
	40 Cyclohexane	84	10.257	10.252	(0.902)	4575	0.01000	0.010(M)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	11068	0.01000	0.010(Q)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	12503	0.01000	0.010
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	12149	0.01000	0.0099(a)
	44 Benzene	78	10.797	10.797	(0.949)	12767	0.01000	0.012
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	5726	0.01000	0.010(a)
	46 n-Heptane	43	11.033	11.033	(0.970)	5546	0.01000	0.011
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6085666	2.00000	
	49 Trichloroethene	95	11.744	11.734	(1.032)	5944	0.01000	0.011
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	3698	0.01000	0.011(aQM)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	9716	0.01000	0.010
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	4981	0.01000	0.010
	58 Toluene	92	13.536	13.536	(0.873)	7284	0.01000	0.010(Q)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	4840	0.01000	0.010
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	4105	0.01000	0.011(Q)
	61 Tetrachloroethene	166	14.307	14.301	(0.923)	8786	0.01000	0.011
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	9471	0.01000	0.010
	64 1,2-Dibromoethane	107	14.943	14.933	(0.964)	6207	0.01000	0.010
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5364128	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	14921	0.01000	0.010
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	10443	0.02000	0.020
M	70 Xylene, Total	106				15935	0.03000	0.030
	71 Xylene (o)	106	16.286	16.281	(1.050)	5492	0.01000	0.010(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	8086	0.01000	0.0100(M)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	5863	0.01000	0.010
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	9843	0.01000	0.0089(a)
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	9372	0.01000	0.0093(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: efv004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 11:51
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 9 Bromomethane
CAS #: 74-83-9
Report Date: 06/05/2013

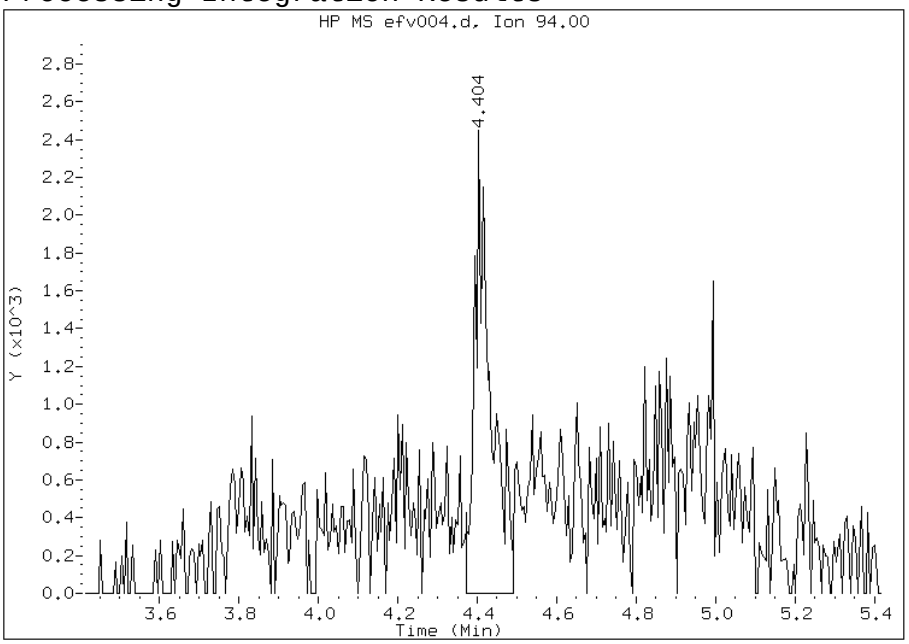
Processing Integration Results

RT: 4.40

Response: 6850

Amount: 0.021230

Conc: 0.021230



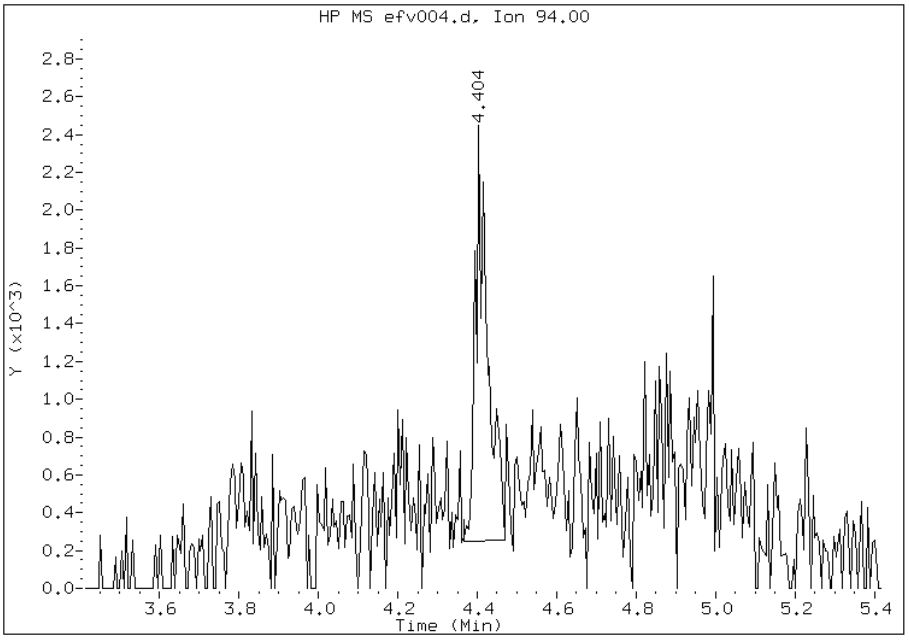
Manual Integration Results

RT: 4.40

Response: 4681

Amount: 0.014508

Conc: 0.014508



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 06/05/2013

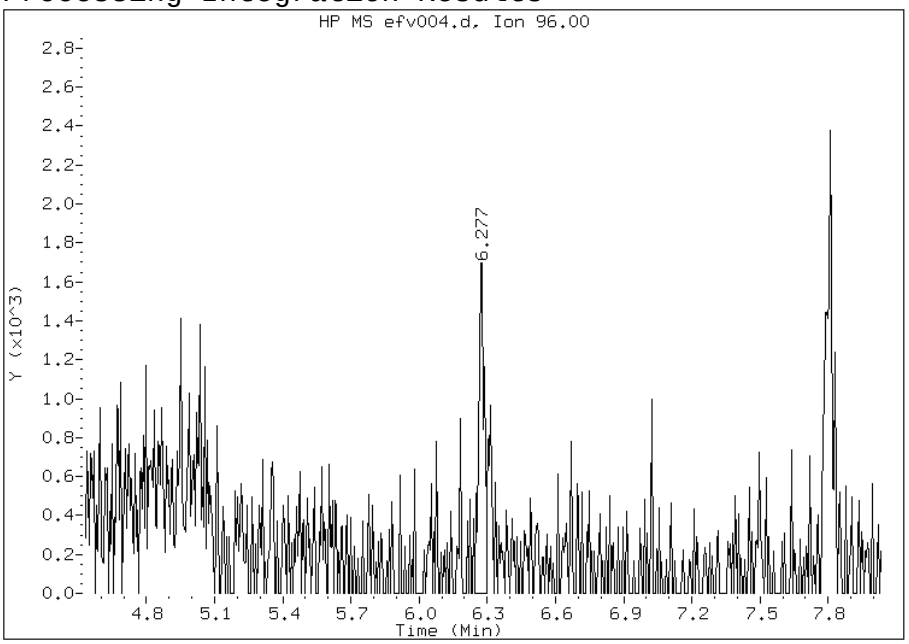
Processing Integration Results

RT: 6.28

Response: 2987

Amount: 0.008803

Conc: 0.008803



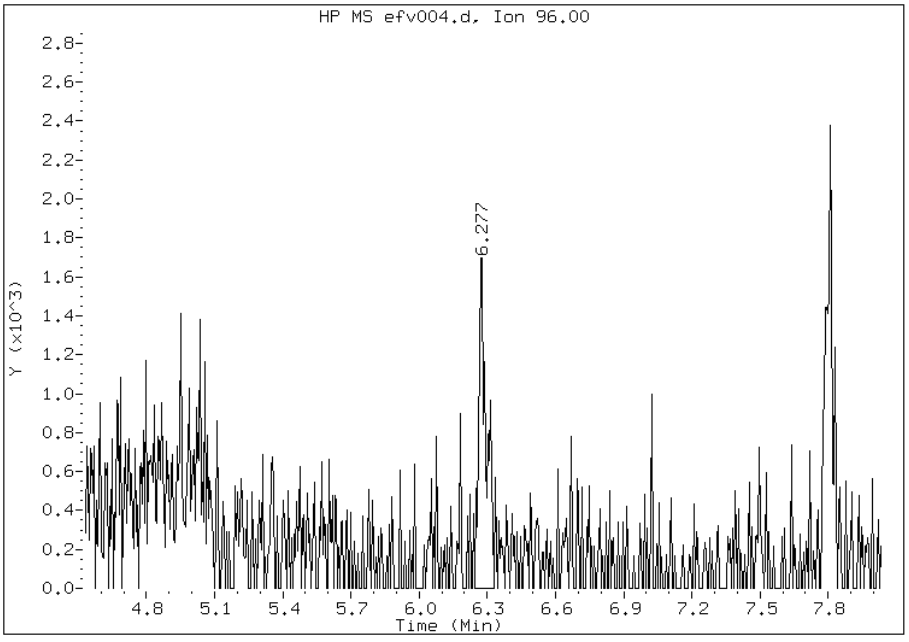
Manual Integration Results

RT: 6.28

Response: 4045

Amount: 0.010754

Conc: 0.010754



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 40 Cyclohexane
CAS #: 110-82-7
Report Date: 06/05/2013

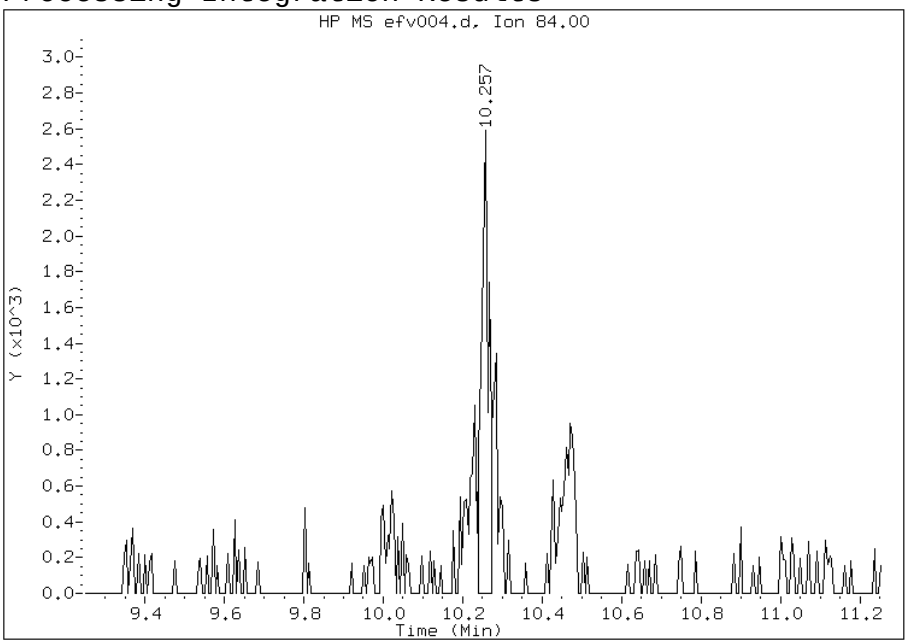
Processing Integration Results

RT: 10.26

Response: 3268

Amount: 0.007645

Conc: 0.007645



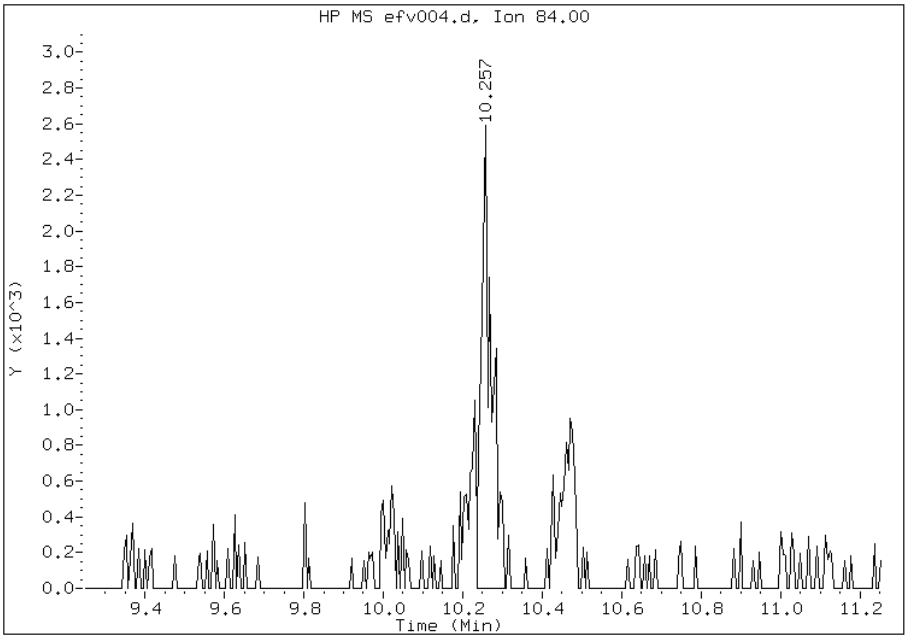
Manual Integration Results

RT: 10.26

Response: 4575

Amount: 0.010310

Conc: 0.010310



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 50 1,2-Dichloropropane
CAS #: 78-87-5
Report Date: 06/05/2013

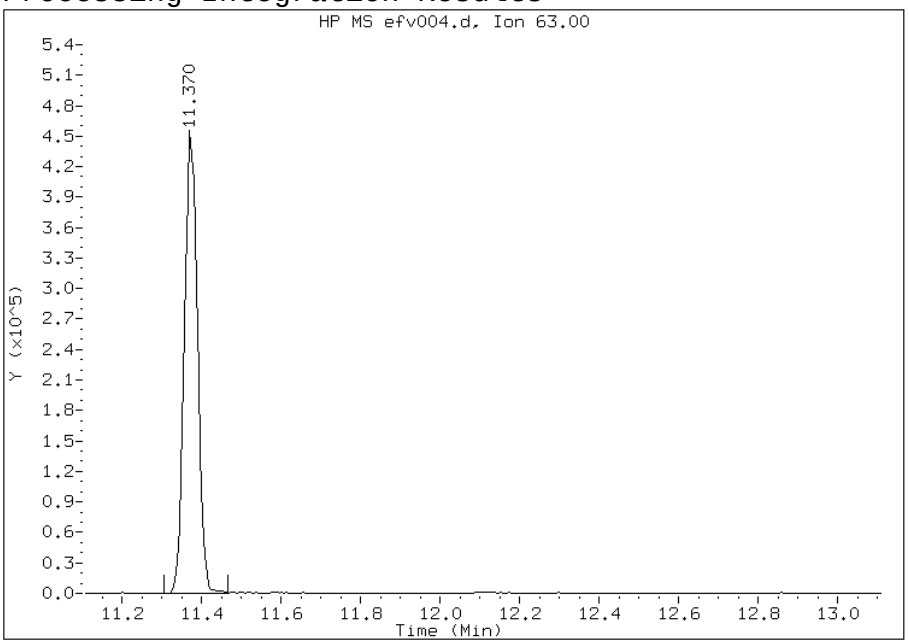
Processing Integration Results

RT: 11.37

Response: 1043541

Amount: 3.38

Conc: 3.38



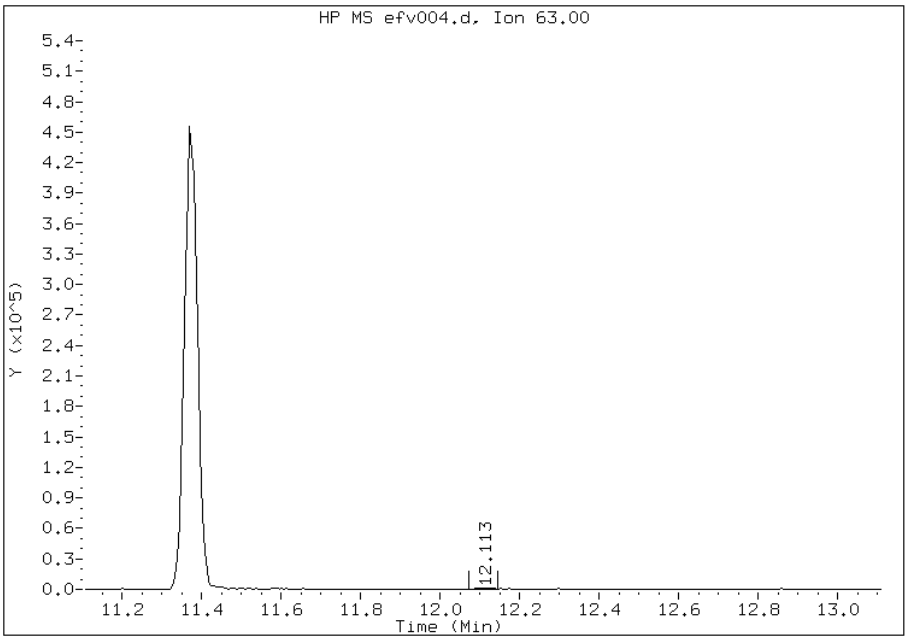
Manual Integration Results

RT: 12.11

Response: 3698

Amount: 0.011185

Conc: 0.011185



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

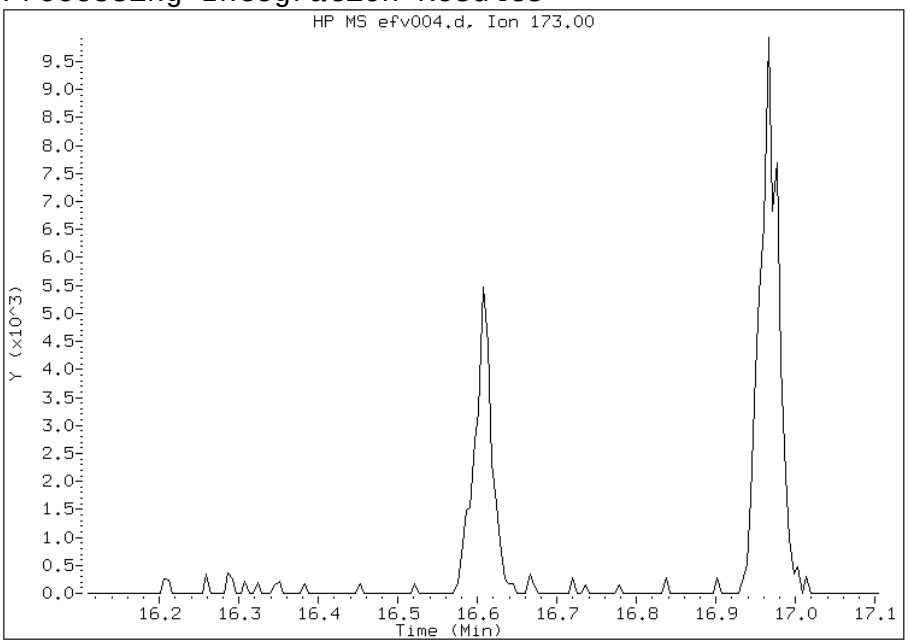
Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 73 Bromoform
CAS #: 75-25-2
Report Date: 06/05/2013

Processing Integration Results

Not Detected

Expected RT: 16.61



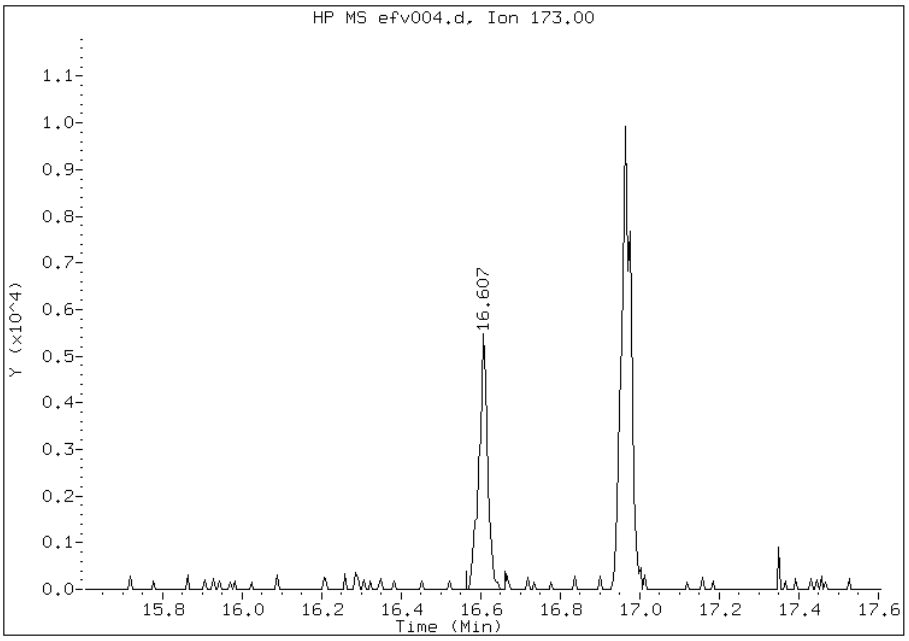
Manual Integration Results

RT: 16.61

Response: 8086

Amount: 0.009996

Conc: 0.009996



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv005.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 12:46
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 12:46 Cal File: efv005.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	24279	0.02000	0.019
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	19272	0.02000	0.019
7 Vinyl chloride	62	3.736	3.746	(0.376)	5072	0.02000	0.021
8 1,3-Butadiene	54	3.816	3.805	(0.384)	4191	0.02000	0.023
9 Bromomethane	94	4.415	4.415	(0.445)	8402	0.02000	0.022
10 Chloroethane	64	4.608	4.618	(0.464)	3384	0.02000	0.023(QM)
12 Vinyl bromide	106	4.993	4.993	(0.503)	9706	0.02000	0.022
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	25548	0.02000	0.019
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	17754	0.02000	0.020(a)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	8292	0.02000	0.021(Q)
22 Allyl chloride	41	7.079	7.074	(0.713)	7652	0.02000	0.022
25 Methylene chloride	49	7.363	7.368	(0.742)	16244	0.02000	0.040(a)
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	10813	0.02000	0.020
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	16918	0.02000	0.018(M)

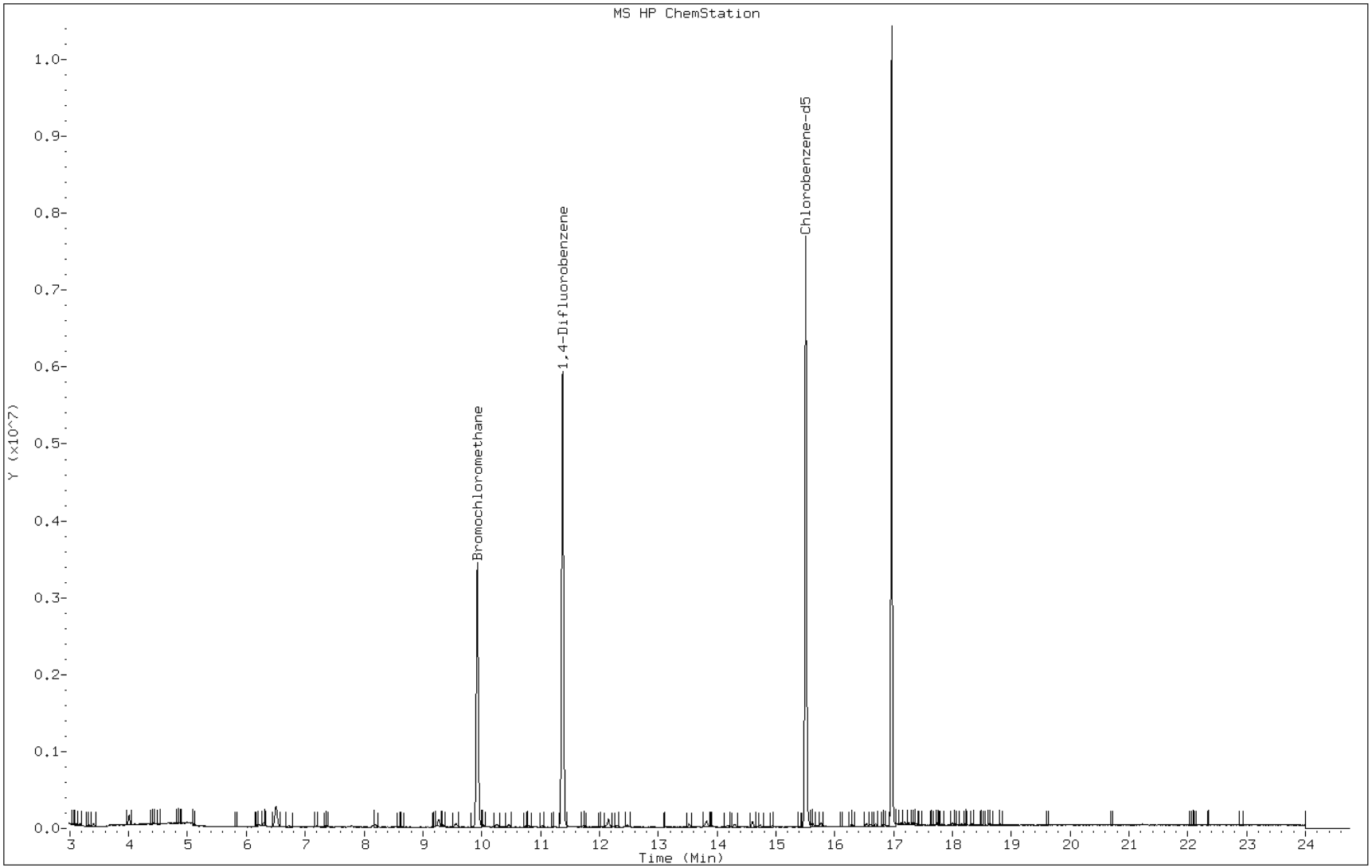
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.144	8.155	(0.820)	11533	0.02000	0.023
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	12210	0.02000	0.019
M	33 1,2-Dichloroethene, Total	61				18435	0.04000	0.040
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	7622	0.02000	0.020
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1326198	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	17534	0.02000	0.018
	40 Cyclohexane	84	10.262	10.252	(0.902)	9938	0.02000	0.021
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	22280	0.02000	0.020
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	26424	0.02000	0.020
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	23171	0.02000	0.019
	44 Benzene	78	10.797	10.797	(0.949)	23055	0.02000	0.020
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	10168	0.02000	0.019(a)
	46 n-Heptane	43	11.027	11.033	(0.969)	11211	0.02000	0.021
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6352780	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	10302	0.02000	0.019
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	6516	0.02000	0.019(aQ)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	17149	0.02000	0.018
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	8416	0.02000	0.018
	58 Toluene	92	13.531	13.536	(0.873)	13169	0.02000	0.019
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	7543	0.02000	0.017
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	6567	0.02000	0.018(M)
	61 Tetrachloroethene	166	14.296	14.301	(0.922)	15371	0.02000	0.019
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	15246	0.02000	0.018
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	10922	0.02000	0.018
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5492158	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	26197	0.02000	0.018
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	17909	0.04000	0.035
M	70 Xylene, Total	106				27245	0.06000	0.053
	71 Xylene (o)	106	16.281	16.281	(1.050)	9336	0.02000	0.018(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	13495	0.02000	0.017
	75 1,1,2,2-Tetrachloroethane	83	17.131	17.126	(1.105)	8806	0.02000	0.016
	79 4-Ethyltoluene	105	17.319	17.313	(1.117)	19314	0.02000	0.018
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	14815	0.02000	0.017(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: efv005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 12:46
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 10 Chloroethane
CAS #: 75-00-3
Report Date: 06/05/2013

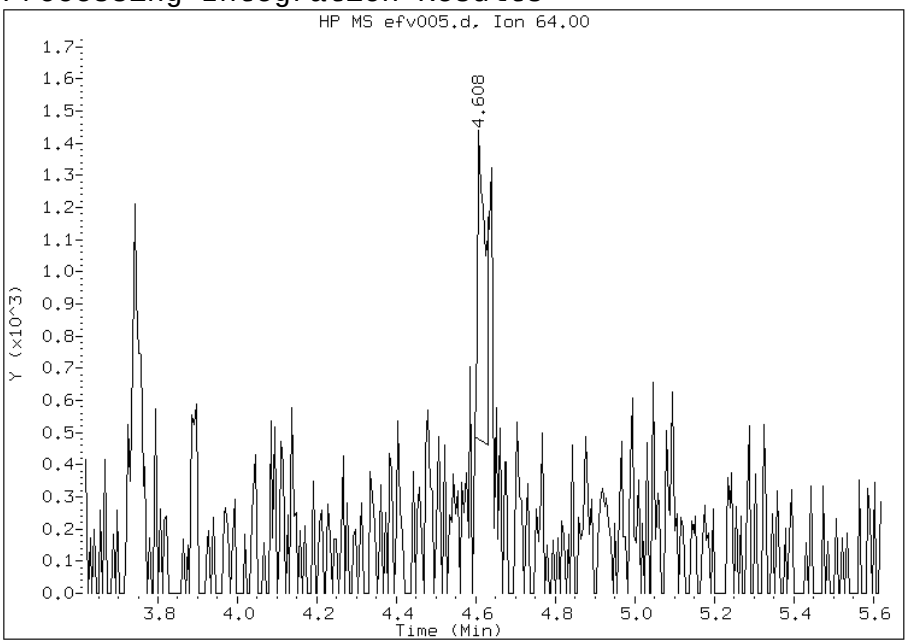
Processing Integration Results

RT: 4.61

Response: 1286

Amount: 0.013422

Conc: 0.013422



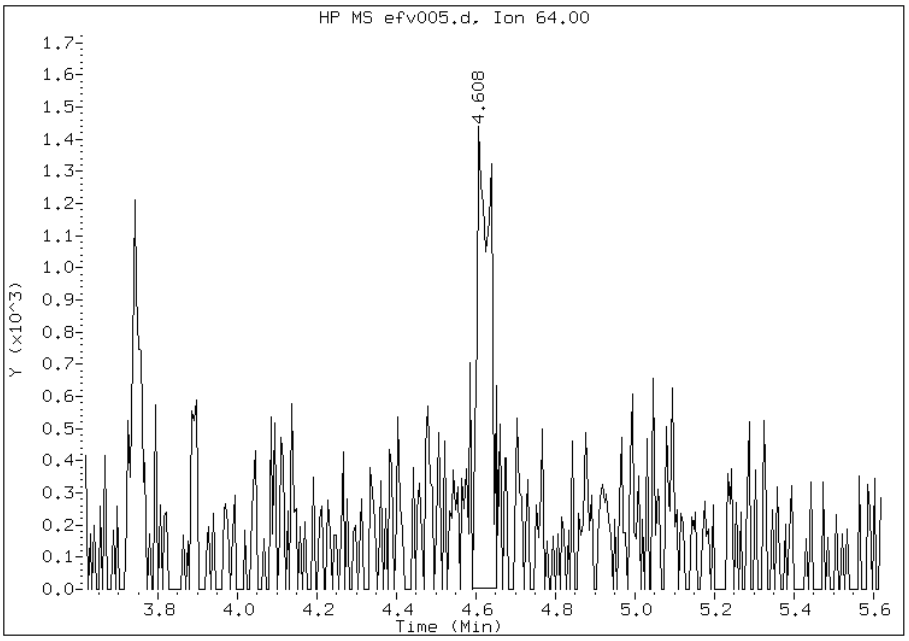
Manual Integration Results

RT: 4.61

Response: 3384

Amount: 0.022824

Conc: 0.022824



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 28 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 06/05/2013

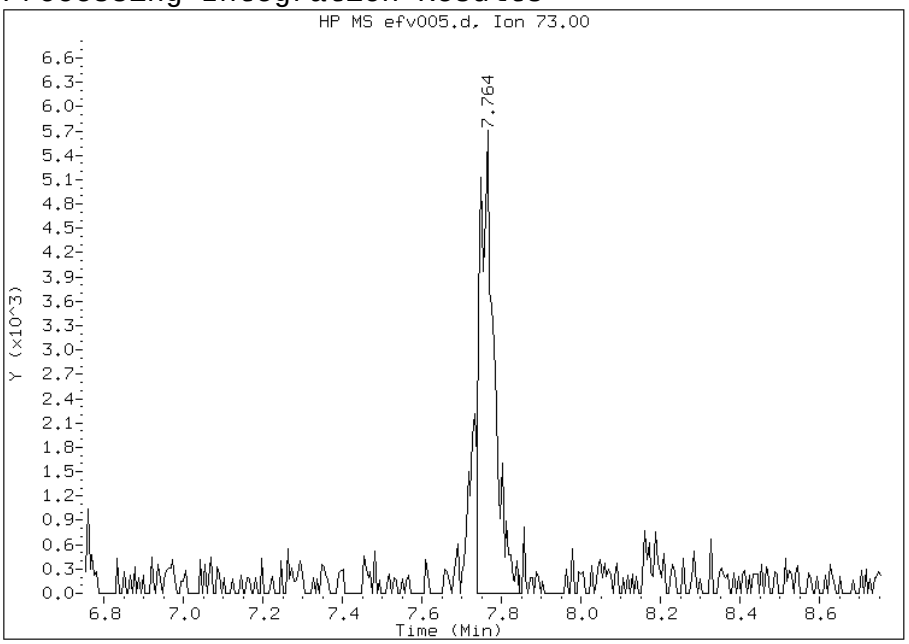
Processing Integration Results

RT: 7.76

Response: 14267

Amount: 0.016723

Conc: 0.016723



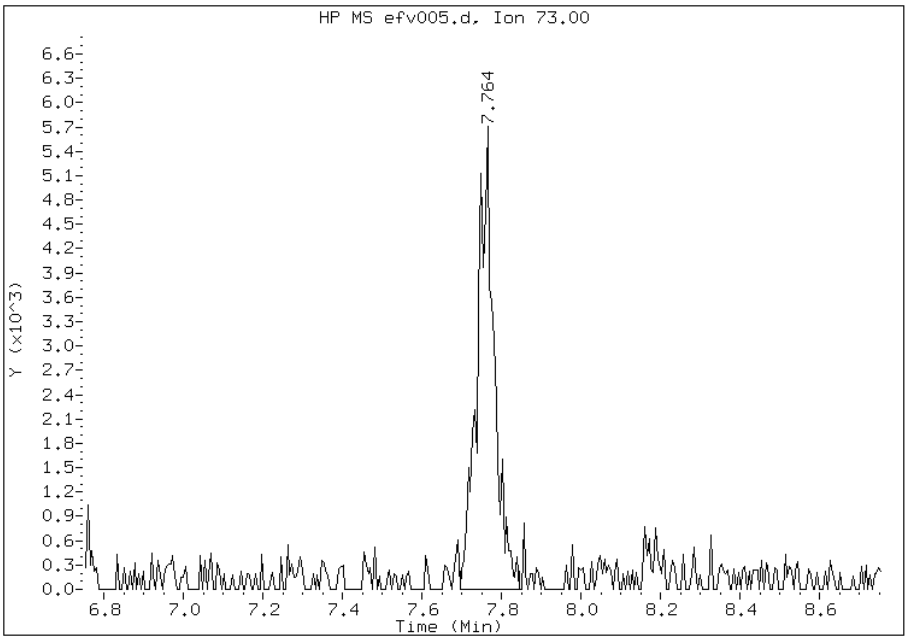
Manual Integration Results

RT: 7.76

Response: 16918

Amount: 0.018021

Conc: 0.018021



File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 06/05/2013

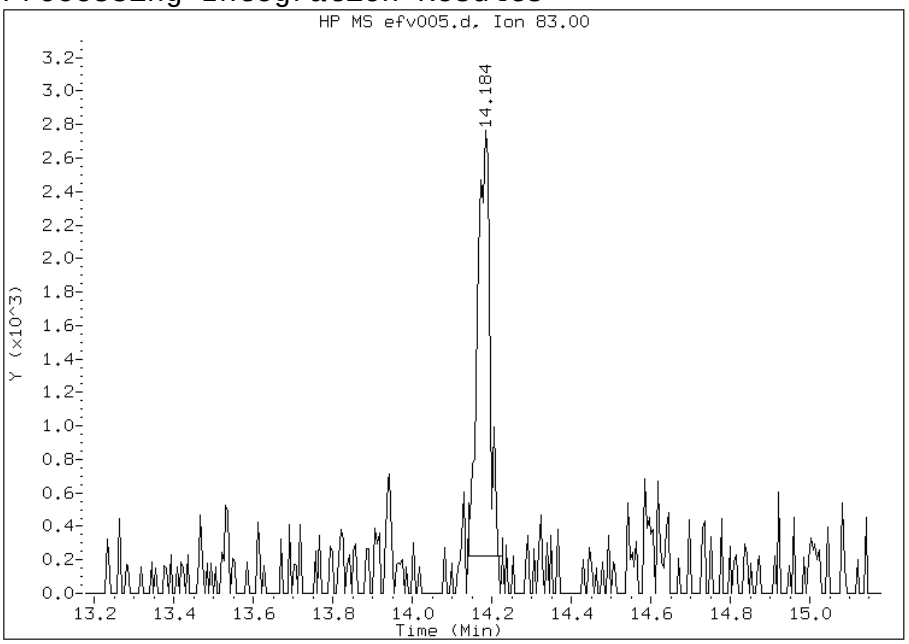
Processing Integration Results

RT: 14.18

Response: 5416

Amount: 0.016087

Conc: 0.016087



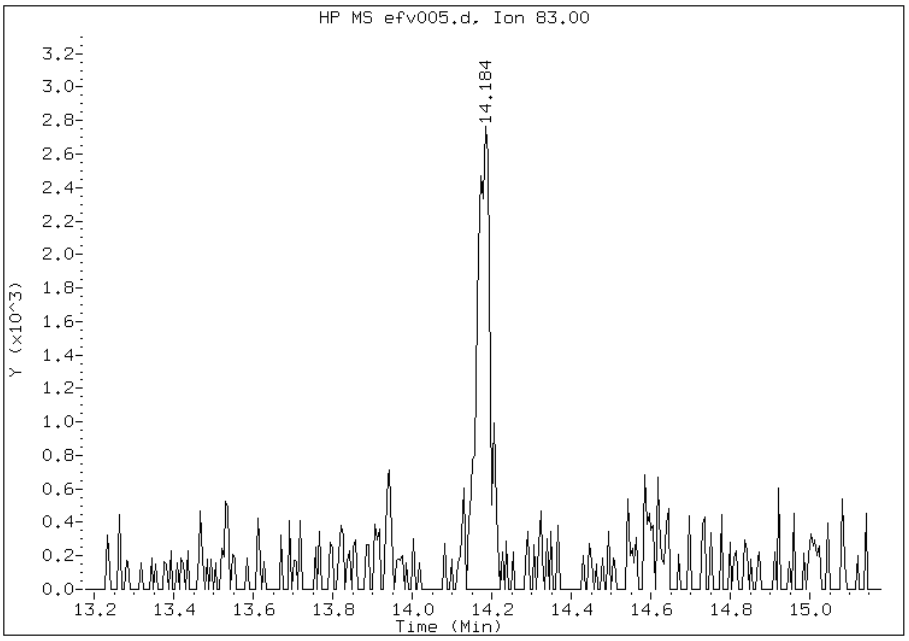
Manual Integration Results

RT: 14.18

Response: 6567

Amount: 0.018232

Conc: 0.018232



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv006.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 13:41
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 13:41 Cal File: efv006.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

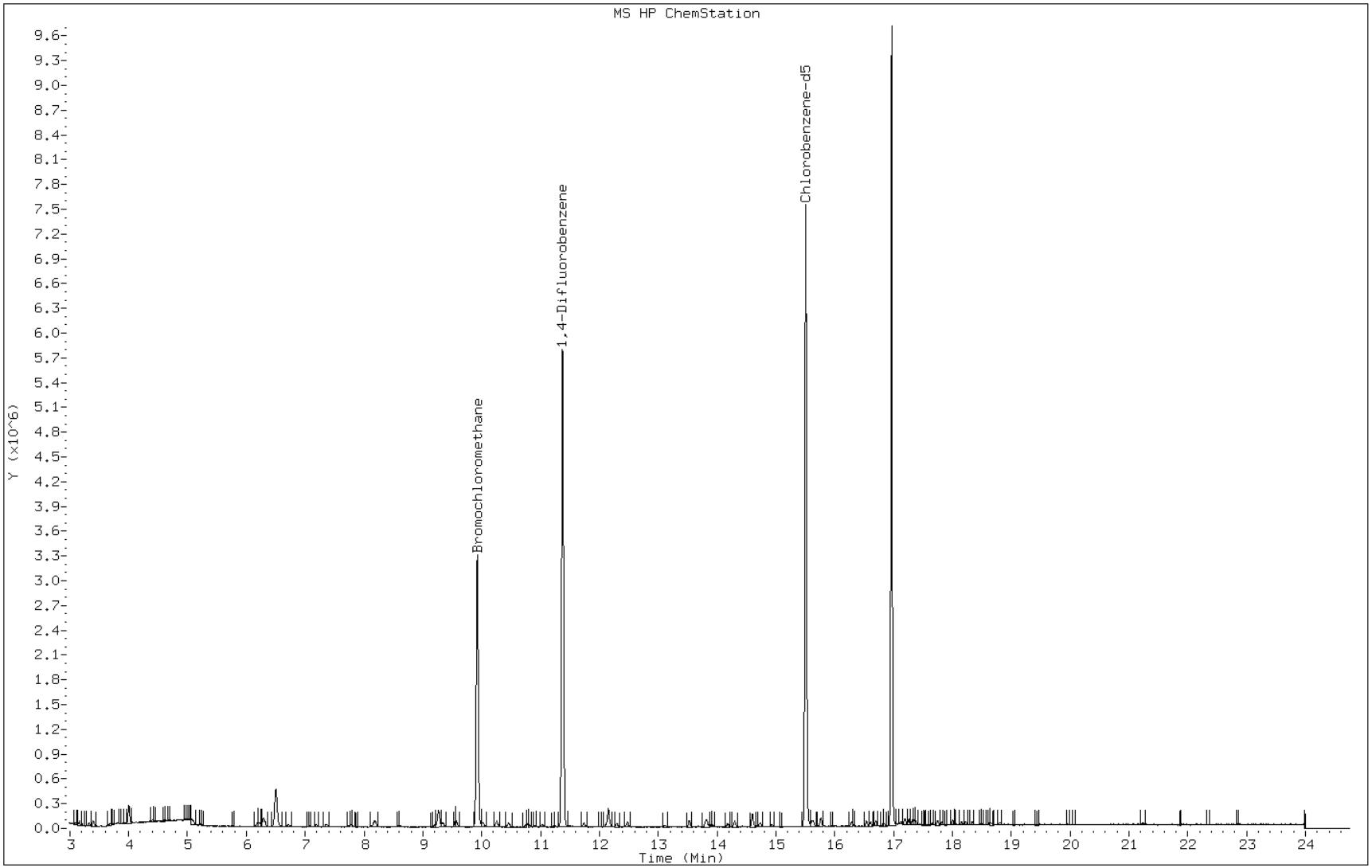
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	44743	0.04000	0.038
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	36132	0.04000	0.037
7 Vinyl chloride	62	3.741	3.746	(0.377)	9426	0.04000	0.040
8 1,3-Butadiene	54	3.805	3.805	(0.383)	6191	0.04000	0.037
9 Bromomethane	94	4.405	4.415	(0.444)	13409	0.04000	0.038
10 Chloroethane	64	4.619	4.618	(0.465)	5571	0.04000	0.039
12 Vinyl bromide	106	4.982	4.993	(0.502)	16831	0.04000	0.040
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	48736	0.04000	0.039
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.224	6.223	(0.627)	29961	0.04000	0.038(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	13221	0.04000	0.036
22 Allyl chloride	41	7.085	7.074	(0.714)	12203	0.04000	0.037
25 Methylene chloride	49	7.368	7.368	(0.742)	23399	0.04000	0.060(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.807	(0.785)	18199	0.04000	0.036
28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	30054	0.04000	0.035(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.149	8.155	(0.821)	19199	0.04000	0.040
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	22143	0.04000	0.037
M	33 1,2-Dichloroethene, Total	61				31977	0.08000	0.074
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	13778	0.04000	0.038
*	36 Bromochloromethane	128	9.926	9.925	(1.000)	1272274	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	32507	0.04000	0.036
	40 Cyclohexane	84	10.252	10.252	(0.901)	17038	0.04000	0.038
	41 1,1,1-Trichloroethane	97	10.263	10.252	(0.902)	39317	0.04000	0.037
	42 Carbon tetrachloride	117	10.455	10.460	(0.919)	44636	0.04000	0.036
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	44235	0.04000	0.038
	44 Benzene	78	10.798	10.797	(0.949)	37814	0.04000	0.035
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	18922	0.04000	0.038
	46 n-Heptane	43	11.033	11.033	(0.970)	18381	0.04000	0.037
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6124979	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	19217	0.04000	0.038
	50 1,2-Dichloropropane	63	12.103	12.108	(1.064)	12048	0.04000	0.038(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	31172	0.04000	0.036
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	14843	0.04000	0.034
	58 Toluene	92	13.526	13.536	(0.872)	24571	0.04000	0.037
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	15475	0.04000	0.036
	60 1,1,2-Trichloroethane	83	14.173	14.178	(0.914)	12506	0.04000	0.037
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	27306	0.04000	0.036
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	31262	0.04000	0.038
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	21391	0.04000	0.038
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5304994	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	52451	0.04000	0.038
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	36774	0.08000	0.076
M	70 Xylene, Total	106				52685	0.12000	0.11
	71 Xylene (o)	106	16.281	16.281	(1.050)	15911	0.04000	0.033
	73 Bromoform	173	16.607	16.607	(1.071)	26249	0.04000	0.036
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	17068	0.04000	0.034
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	37765	0.04000	0.037
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	29878	0.04000	0.036

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	efv006.d	Date:	04-JUN-2013 13:41
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495525		
Lab Sample ID:	ic 495525		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv007.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 14:37
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 14:37 Cal File: efv007.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

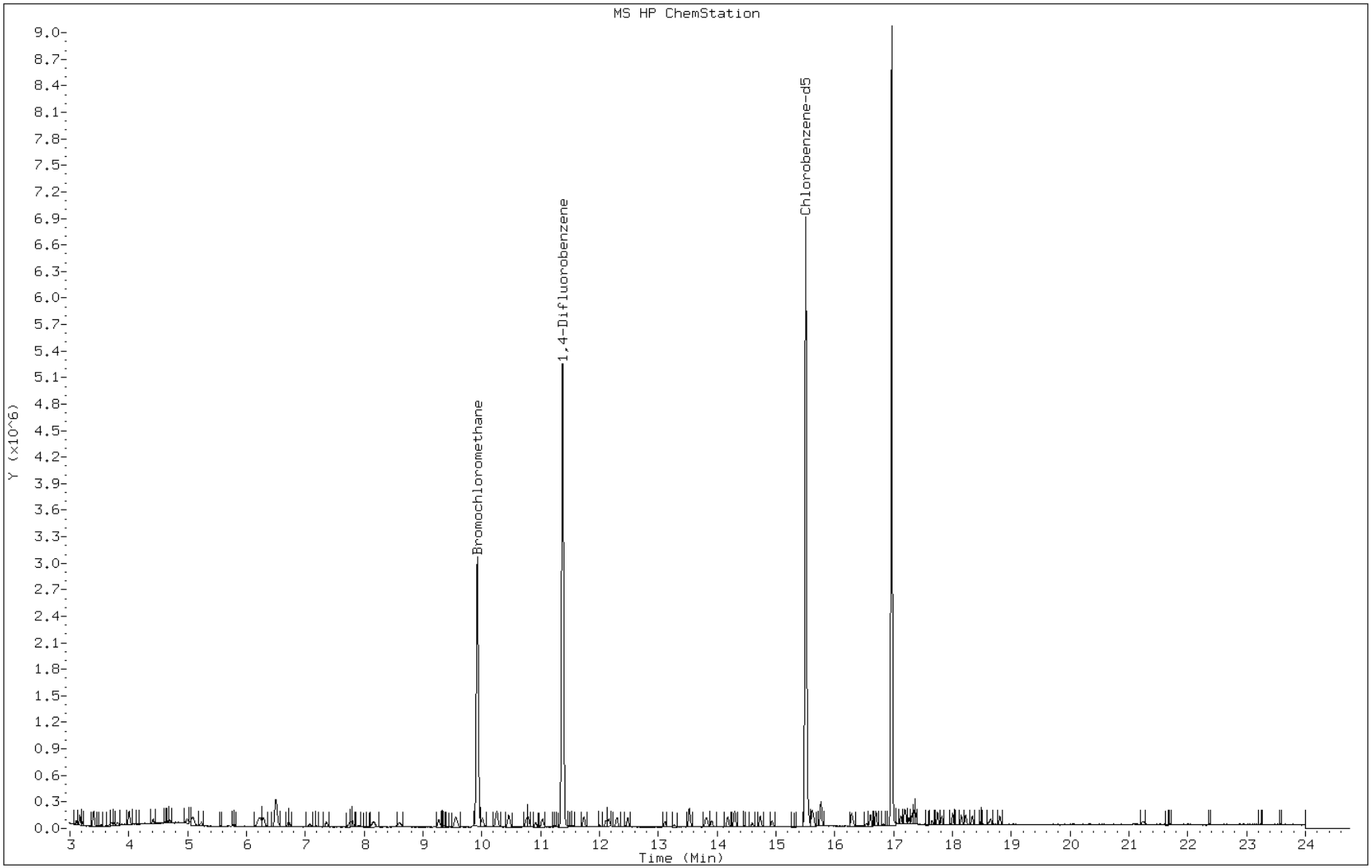
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	104846	0.10000	0.098
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	93237	0.10000	0.10
7 Vinyl chloride	62	3.746	3.746	(0.377)	23350	0.10000	0.11
8 1,3-Butadiene	54	3.805	3.805	(0.383)	15160	0.10000	0.10
9 Bromomethane	94	4.415	4.415	(0.445)	32813	0.10000	0.10
10 Chloroethane	64	4.613	4.618	(0.465)	12602	0.10000	0.099
12 Vinyl bromide	106	4.993	4.993	(0.503)	38291	0.10000	0.10
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	128040	0.10000	0.11
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	78133	0.10000	0.11
19 1,1-Dichloroethene	96	6.298	6.282	(0.635)	31671	0.10000	0.096
22 Allyl chloride	41	7.079	7.074	(0.713)	29766	0.10000	0.10
25 Methylene chloride	49	7.363	7.368	(0.742)	40812	0.10000	0.11
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	47363	0.10000	0.10
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	73615	0.10000	0.095

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	30 n-Hexane	57	8.171	8.155	(0.823)	41436	0.10000	0.096
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	59335	0.10000	0.11
M	33 1,2-Dichloroethene, Total	61				79524	0.20000	0.20
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	32161	0.10000	0.098
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1150637	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	82205	0.10000	0.10
	40 Cyclohexane	84	10.252	10.252	(0.901)	43343	0.10000	0.10
	41 1,1,1-Trichloroethane	97	10.262	10.252	(0.902)	106899	0.10000	0.11
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	115554	0.10000	0.10
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	122910	0.10000	0.11
	44 Benzene	78	10.797	10.797	(0.949)	92753	0.10000	0.096
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	53437	0.10000	0.11
	46 n-Heptane	43	11.033	11.033	(0.970)	41118	0.10000	0.092
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5557763	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	47272	0.10000	0.10
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	30478	0.10000	0.10
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	81002	0.10000	0.10
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	41455	0.10000	0.10
	58 Toluene	92	13.536	13.536	(0.873)	61996	0.10000	0.10
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	42717	0.10000	0.11
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	34937	0.10000	0.11
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	71302	0.10000	0.10
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	76623	0.10000	0.10
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	53840	0.10000	0.10
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4885561	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	139099	0.10000	0.11
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	96483	0.20000	0.21
M	70 Xylene, Total	106				142443	0.30000	0.32
	71 Xylene (o)	106	16.286	16.281	(1.050)	45960	0.10000	0.10
	73 Bromoform	173	16.607	16.607	(1.071)	70696	0.10000	0.10
	75 1,1,2,2-Tetrachloroethane	83	17.121	17.126	(1.104)	44274	0.10000	0.097
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	87111	0.10000	0.094
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	76398	0.10000	0.10

Data File: efv007.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495526
Lab Sample ID: ic 495526

Date: 04-JUN-2013 14:37
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv008.d
Lab Smp Id: icis 495526
Inj Date : 04-JUN-2013 15:32
Operator : wrd Inst ID: E.i
Smp Info : icis 495526
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:17 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 15:32 Cal File: efv008.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

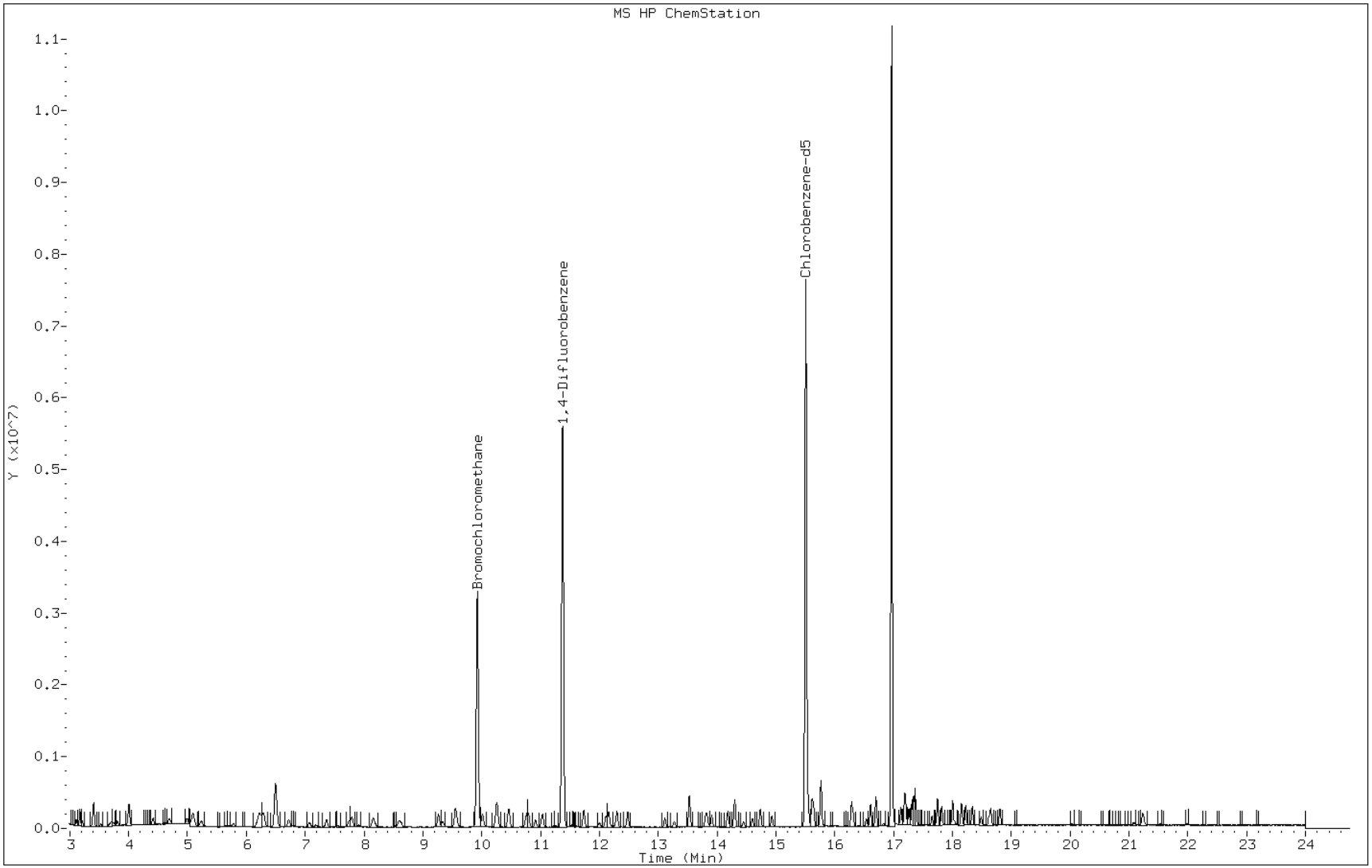
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	210069	0.20000	0.20
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	185548	0.20000	0.20
7 Vinyl chloride	62	3.746	3.746	(0.377)	43222	0.20000	0.20
8 1,3-Butadiene	54	3.805	3.805	(0.383)	28195	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62214	0.20000	0.20
10 Chloroethane	64	4.618	4.618	(0.465)	23592	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	70441	0.20000	0.20
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	249052	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	160060	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	67060	0.20000	0.20
22 Allyl chloride	41	7.074	7.074	(0.713)	60089	0.20000	0.20
25 Methylene chloride	49	7.368	7.368	(0.742)	75267	0.20000	0.20
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	93471	0.20000	0.20
28 Methyl tert-butyl ether	73	7.753	7.753	(0.781)	164529	0.20000	0.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	81163	0.20000	0.20
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	122266	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				161436	0.40000	0.40
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	67965	0.20000	0.20
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1228586	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	173759	0.20000	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	84106	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	210111	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	241852	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	243304	0.20000	0.20
	44 Benzene	78	10.797	10.797	(0.949)	182141	0.20000	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	106844	0.20000	0.20
	46 n-Heptane	43	11.033	11.033	(0.970)	86535	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5951502	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	91519	0.20000	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	64665	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	168622	0.20000	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	89706	0.20000	0.20
	58 Toluene	92	13.536	13.536	(0.873)	135205	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	89320	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	65475	0.20000	0.20
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	155443	0.20000	0.20
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	169964	0.20000	0.20
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	120014	0.20000	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5416411	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	297130	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	219971	0.40000	0.40
M	70 Xylene, Total	106				327258	0.60000	0.60
	71 Xylene (o)	106	16.281	16.281	(1.050)	107287	0.20000	0.20
	73 Bromoform	173	16.607	16.607	(1.071)	163433	0.20000	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	116901	0.20000	0.20
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	249870	0.20000	0.20
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	203713	0.20000	0.20

Data File:	efv008.d	Date:	04-JUN-2013 15:32
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 495526		
Lab Sample ID:	icis 495526		



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AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv009.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 16:28
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 16:28 Cal File: efv009.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

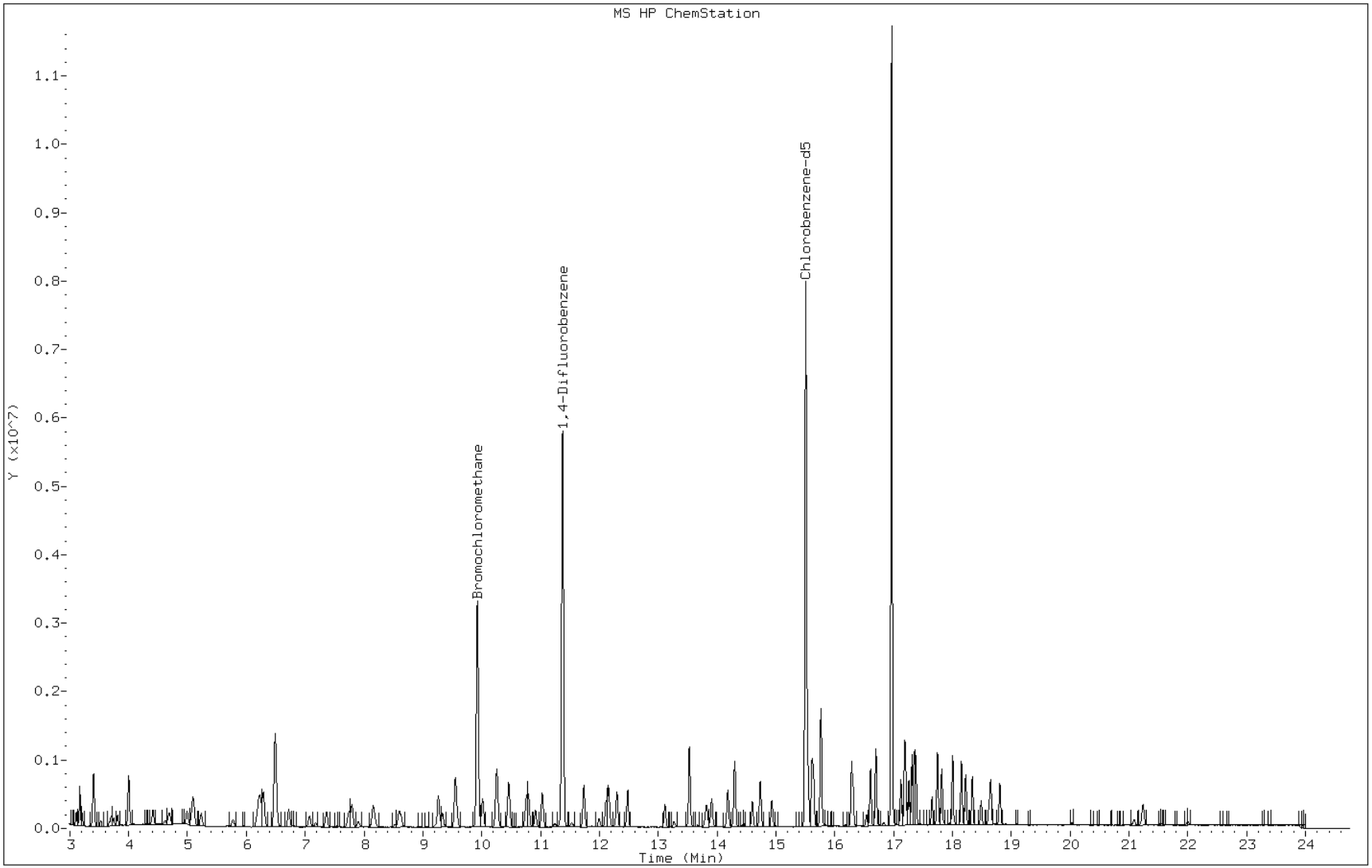
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	511068	0.50000	0.46
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	442933	0.50000	0.47
7 Vinyl chloride	62	3.747	3.746	(0.377)	107828	0.50000	0.47
8 1,3-Butadiene	54	3.805	3.805	(0.383)	67850	0.50000	0.43
9 Bromomethane	94	4.410	4.415	(0.444)	153736	0.50000	0.46
10 Chloroethane	64	4.624	4.618	(0.466)	53499	0.50000	0.41
12 Vinyl bromide	106	4.998	4.993	(0.504)	177198	0.50000	0.45
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	614315	0.50000	0.49
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	383470	0.50000	0.49
19 1,1-Dichloroethene	96	6.288	6.282	(0.633)	155227	0.50000	0.45
22 Allyl chloride	41	7.074	7.074	(0.713)	143634	0.50000	0.46
25 Methylene chloride	49	7.368	7.368	(0.742)	168425	0.50000	0.44
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	225430	0.50000	0.47
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	415958	0.50000	0.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	30 n-Hexane	57	8.160	8.155	(0.822)	203609	0.50000	0.45
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	293299	0.50000	0.49
M	33 1,2-Dichloroethene, Total	61				394392	1.00000	0.95
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	168962	0.50000	0.48
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1235022	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	417481	0.50000	0.48
	40 Cyclohexane	84	10.257	10.252	(0.902)	215684	0.50000	0.48
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	517009	0.50000	0.48
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	587423	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	631114	0.50000	0.52
	44 Benzene	78	10.803	10.797	(0.950)	470759	0.50000	0.45
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	269730	0.50000	0.51
	46 n-Heptane	43	11.027	11.033	(0.969)	239747	0.50000	0.49
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6144295	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	241749	0.50000	0.47
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	158513	0.50000	0.49
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	436607	0.50000	0.50
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	235698	0.50000	0.53
	58 Toluene	92	13.536	13.536	(0.873)	352398	0.50000	0.50
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	245743	0.50000	0.55
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	170205	0.50000	0.47
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	387060	0.50000	0.48
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	449313	0.50000	0.51
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	313539	0.50000	0.51
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5644014	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	791112	0.50000	0.52
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	616455	1.00000	1.1
M	70 Xylene, Total	106				907555	1.50000	1.7
	71 Xylene (o)	106	16.286	16.281	(1.050)	291100	0.50000	0.55
	73 Bromoform	173	16.607	16.607	(1.071)	458901	0.50000	0.57
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	312547	0.50000	0.57
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	731034	0.50000	0.64
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	592477	0.50000	0.63

Data File:	efv009.d	Date:	04-JUN-2013 16:28
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495526		
Lab Sample ID:	ic 495526		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv010.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 17:24
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 187,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 17:24 Cal File: efv010.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	187.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	770471	0.75000	0.65
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	666933	0.75000	0.67
7 Vinyl chloride	62	3.746	3.746	(0.377)	171820	0.75000	0.71
8 1,3-Butadiene	54	3.811	3.805	(0.384)	104843	0.75000	0.63
9 Bromomethane	94	4.415	4.415	(0.445)	229587	0.75000	0.64
10 Chloroethane	64	4.618	4.618	(0.465)	82144	0.75000	0.60
12 Vinyl bromide	106	4.998	4.993	(0.504)	258989	0.75000	0.62
13 Trichlorofluoromethane	101	5.094	5.095	(0.513)	919423	0.75000	0.70
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	580063	0.75000	0.70
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	235296	0.75000	0.64
22 Allyl chloride	41	7.079	7.074	(0.713)	194460	0.75000	0.59
25 Methylene chloride	49	7.363	7.368	(0.742)	221191	0.75000	0.59
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	324248	0.75000	0.64
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	550313	0.75000	0.63

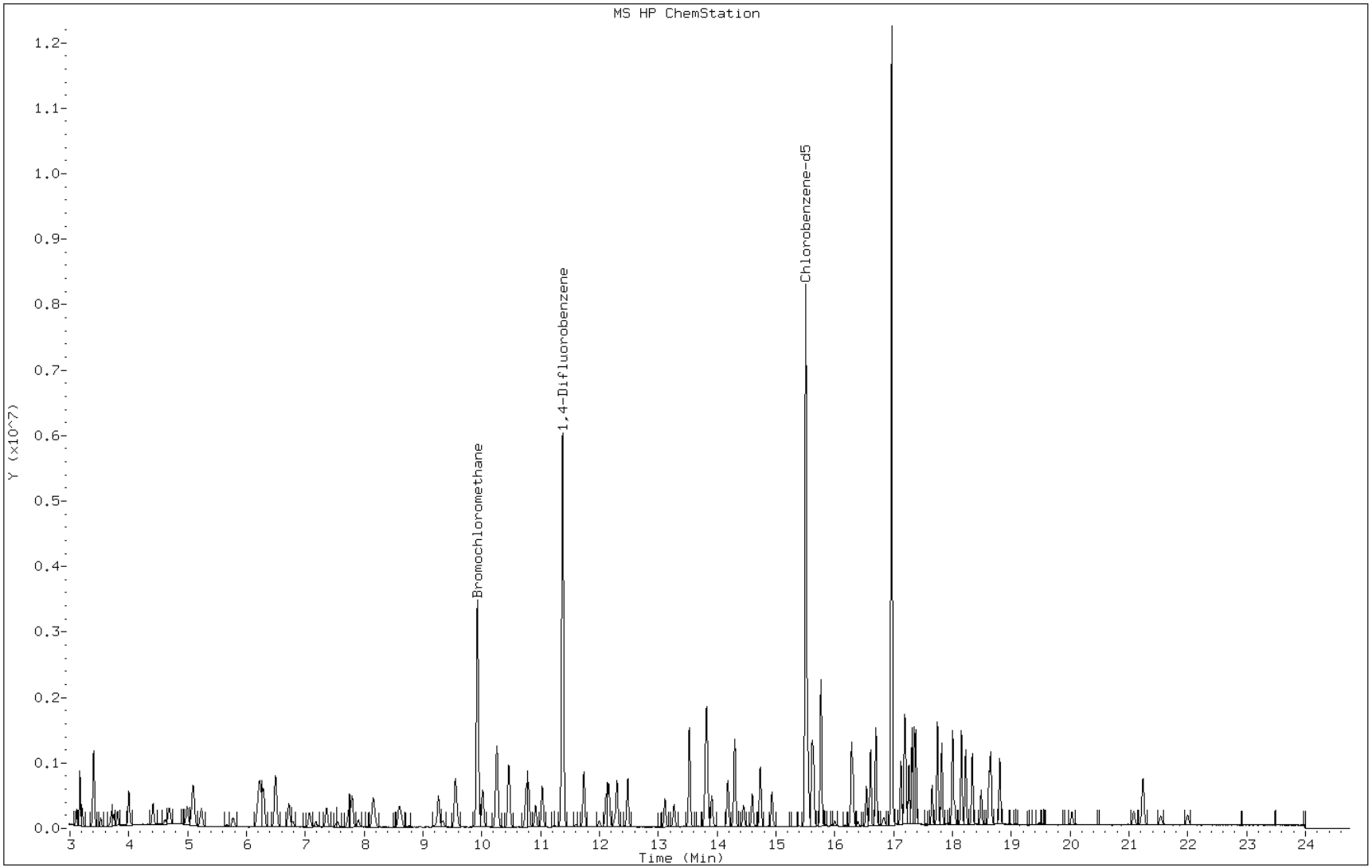
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.154	8.155	(0.822)	302419	0.75000	0.63
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	409694	0.75000	0.65
M	33 1,2-Dichloroethene, Total	61				560747	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	236499	0.75000	0.64
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1299761	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	584267	0.75000	0.64
	40 Cyclohexane	84	10.262	10.252	(0.902)	333595	0.75000	0.70
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	746651	0.75000	0.66
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	890458	0.75000	0.69
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	917834	0.75000	0.72
	44 Benzene	78	10.797	10.797	(0.949)	651034	0.75000	0.60
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	356455	0.75000	0.64
	46 n-Heptane	43	11.033	11.033	(0.970)	301680	0.75000	0.59
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6424173	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	337390	0.75000	0.63
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	211321	0.75000	0.63(Q)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	588225	0.75000	0.64
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	313922	0.75000	0.67
	58 Toluene	92	13.531	13.536	(0.873)	459864	0.75000	0.62
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	315919	0.75000	0.68
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	227397	0.75000	0.59
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	558377	0.75000	0.66
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	627578	0.75000	0.68
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	436523	0.75000	0.68
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5944660	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1022146	0.75000	0.64
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	824807	1.50000	1.4
M	70 Xylene, Total	106				1220548	2.25000	2.2
	71 Xylene (o)	106	16.281	16.281	(1.050)	395741	0.75000	0.72
	73 Bromoform	173	16.607	16.607	(1.071)	630683	0.75000	0.74
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	462255	0.75000	0.80
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1025913	0.75000	0.86
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	860200	0.75000	0.87

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: efv010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 17:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv011.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 18:19
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 250,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 18:19 Cal File: efv011.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	250.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	1050459	1.00000	0.86
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	946149	1.00000	0.92
7 Vinyl chloride	62	3.746	3.746	(0.377)	234302	1.00000	0.93
8 1,3-Butadiene	54	3.811	3.805	(0.384)	142807	1.00000	0.84
9 Bromomethane	94	4.415	4.415	(0.445)	316644	1.00000	0.87
10 Chloroethane	64	4.618	4.618	(0.465)	111692	1.00000	0.80
12 Vinyl bromide	106	4.993	4.993	(0.503)	356408	1.00000	0.84
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	1282830	1.00000	0.94
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	836754	1.00000	0.97
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	352755	1.00000	0.93
22 Allyl chloride	41	7.079	7.074	(0.713)	281189	1.00000	0.84
25 Methylene chloride	49	7.363	7.368	(0.742)	316737	1.00000	0.83
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	476484	1.00000	0.90
28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	787815	1.00000	0.88

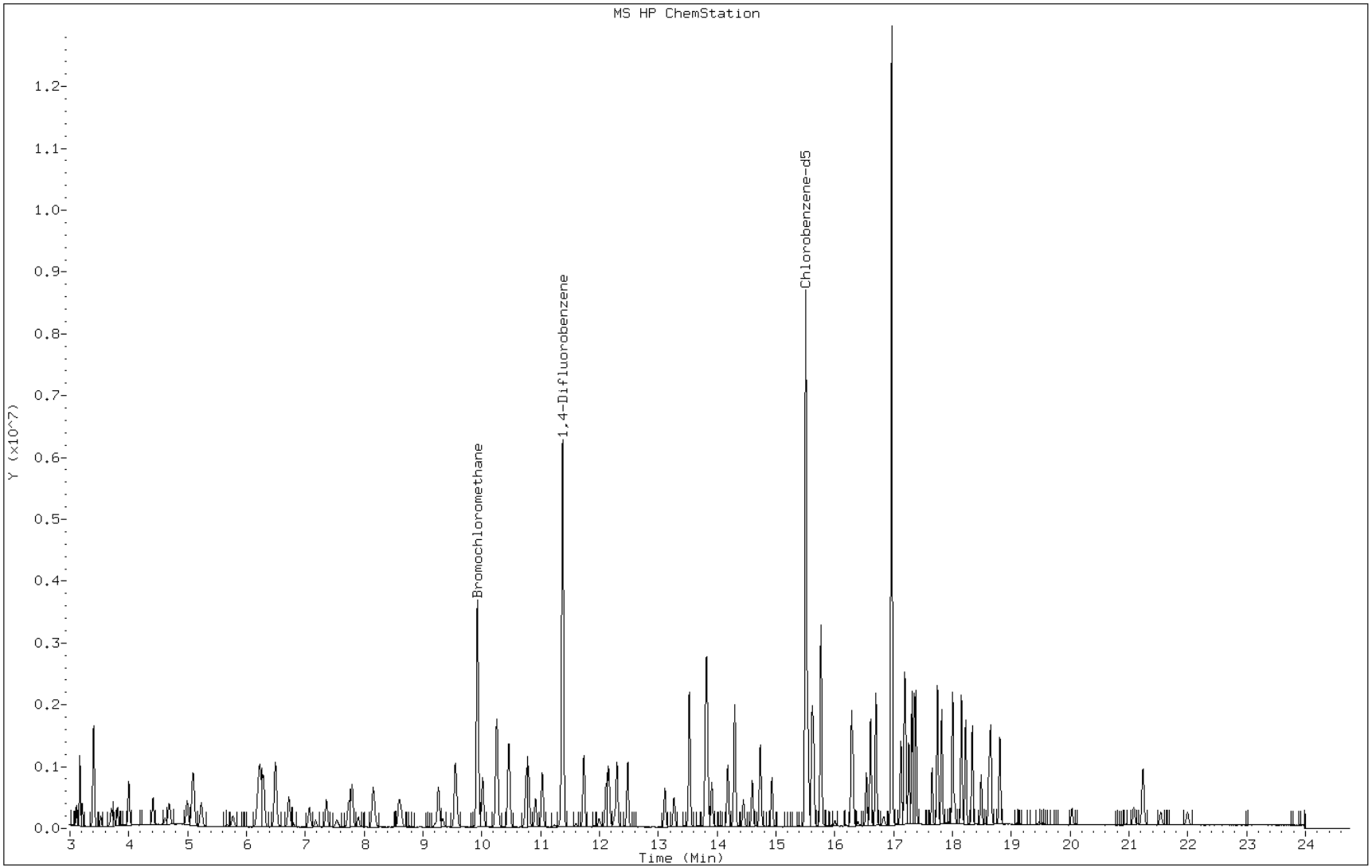
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	439613	1.00000	0.89
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	574716	1.00000	0.89
M	33 1,2-Dichloroethene, Total	61				826230	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	349746	1.00000	0.92
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1369170	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	814662	1.00000	0.87
	40 Cyclohexane	84	10.257	10.252	(0.902)	484105	1.00000	0.97
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1053984	1.00000	0.90
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1271748	1.00000	0.95
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	1293860	1.00000	0.96
	44 Benzene	78	10.797	10.797	(0.949)	925807	1.00000	0.83
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	501777	1.00000	0.88
	46 n-Heptane	43	11.027	11.033	(0.969)	426467	1.00000	0.81
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6784312	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	479172	1.00000	0.87
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	294402	1.00000	0.85
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	853782	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	453707	1.00000	0.93
	58 Toluene	92	13.531	13.536	(0.873)	665739	1.00000	0.87
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	475095	1.00000	0.97
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	327325	1.00000	0.83
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	826667	1.00000	0.93
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	926369	1.00000	0.95
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	638007	1.00000	0.95
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6286450	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1506425	1.00000	0.91
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	1186848	2.00000	2.0
M	70 Xylene, Total	106				1771185	3.00000	3.0
	71 Xylene (o)	106	16.286	16.281	(1.050)	584337	1.00000	1.00
	73 Bromoform	173	16.607	16.607	(1.071)	959494	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	666517	1.00000	1.1(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1530568	1.00000	1.2(A)
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	1308318	1.00000	1.2(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: efv011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 18:19
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv012.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 19:14
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 375,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 19:14 Cal File: efv012.d
Als bottle: 4 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	375.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

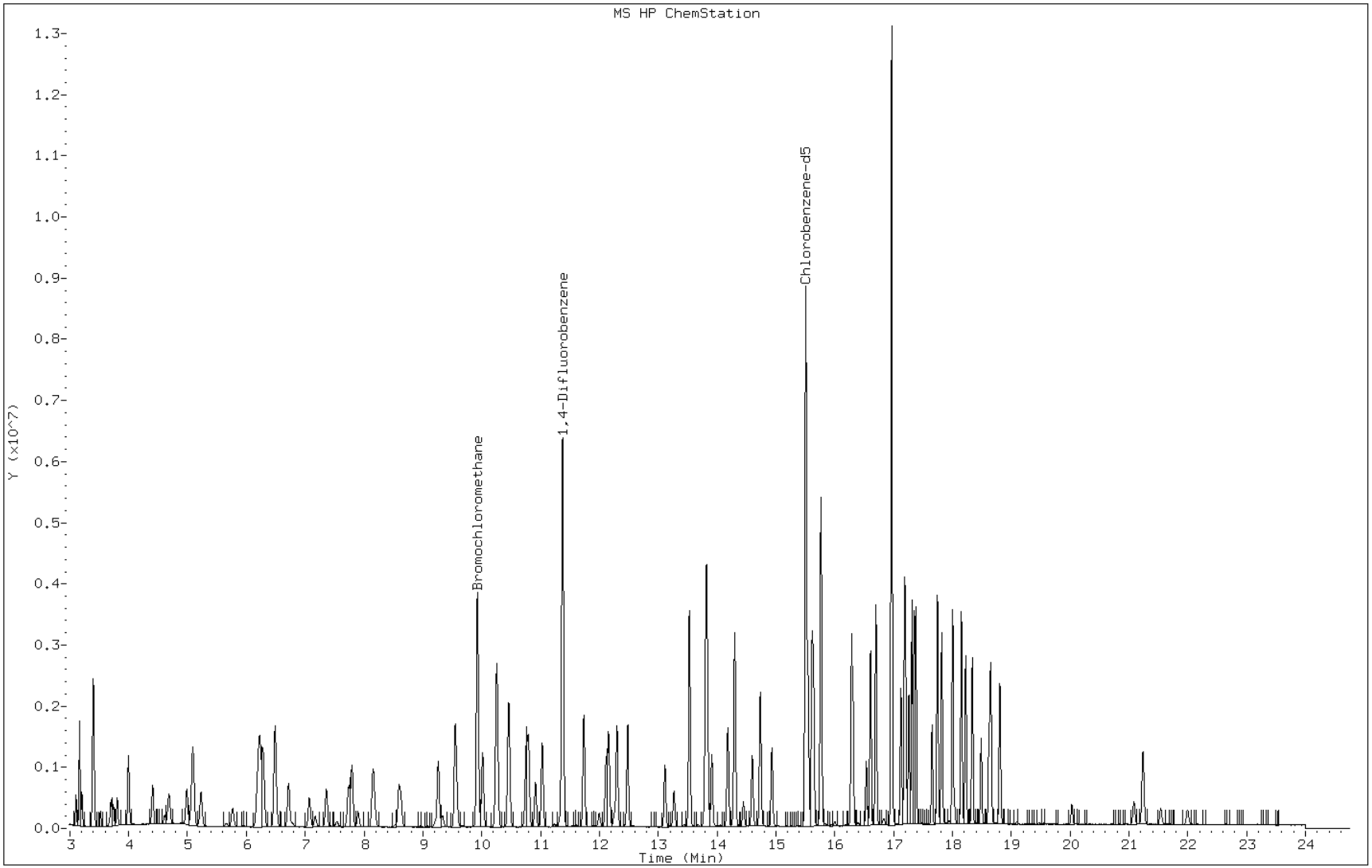
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	1574307	1.50000	1.2(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1388458	1.50000	1.3(A)
7 Vinyl chloride	62	3.741	3.746	(0.377)	348436	1.50000	1.3(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	214949	1.50000	1.2(A)
9 Bromomethane	94	4.410	4.415	(0.444)	468944	1.50000	1.2(A)
10 Chloroethane	64	4.618	4.618	(0.465)	163041	1.50000	1.1(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	539658	1.50000	1.2(A)
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	1908310	1.50000	1.3(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1243944	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	529476	1.50000	1.3(A)
22 Allyl chloride	41	7.069	7.074	(0.712)	424684	1.50000	1.2(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	452079	1.50000	1.2
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	704308	1.50000	1.3(A)
28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1274502	1.50000	1.4(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.155	8.155	(0.822)	666501	1.50000	1.3(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	892271	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1255434	3.00000	2.7
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	551126	1.50000	1.4(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1426157	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	1287466	1.50000	1.3(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	736289	1.50000	1.4(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1634183	1.50000	1.3(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1943726	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	2031124	1.50000	1.5(A)
	44 Benzene	78	10.797	10.797	(0.949)	1483991	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	785845	1.50000	1.3(A)
	46 n-Heptane	43	11.027	11.033	(0.969)	656639	1.50000	1.2(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7009052	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	748607	1.50000	1.3(A)
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	469701	1.50000	1.3(AQ)
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	1361618	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	753073	1.50000	1.5(A)
	58 Toluene	92	13.536	13.536	(0.873)	1092910	1.50000	1.4(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	795783	1.50000	1.6(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	532729	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	1351649	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	1518433	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	1081788	1.50000	1.5(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6550134	2.00000	
	67 Ethylbenzene	91	15.617	15.612	(1.007)	2484748	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	2009783	3.00000	3.2(A)
M	70 Xylene, Total	106				2985389	4.50000	4.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	975606	1.50000	1.6(A)
	73 Bromoform	173	16.607	16.607	(1.071)	1615665	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1086255	1.50000	1.7(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	2619243	1.50000	2.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	2172328	1.50000	2.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File:	efv012.d	Date:	04-JUN-2013 19:14
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 487974		
Lab Sample ID:	ic 487974		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvto15.b/efv013.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 20:10
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 500,1,level 010
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/to15ll3t.m
Meth Date : 05-Jun-2013 11:19 pd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	2091728	2.00000	1.6(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1857016	2.00000	1.7(A)
7 Vinyl chloride	62	3.741	3.746	(0.377)	466675	2.00000	1.8(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	285253	2.00000	1.6(A)
9 Bromomethane	94	4.410	4.415	(0.444)	624722	2.00000	1.6(A)
10 Chloroethane	64	4.619	4.618	(0.465)	217901	2.00000	1.5(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	738987	2.00000	1.6(A)
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	2595012	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1716632	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	727151	2.00000	1.8(A)
22 Allyl chloride	41	7.074	7.074	(0.713)	572256	2.00000	1.6(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	601453	2.00000	1.6
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	956684	2.00000	1.7(A)
28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1829028	2.00000	1.9(A)

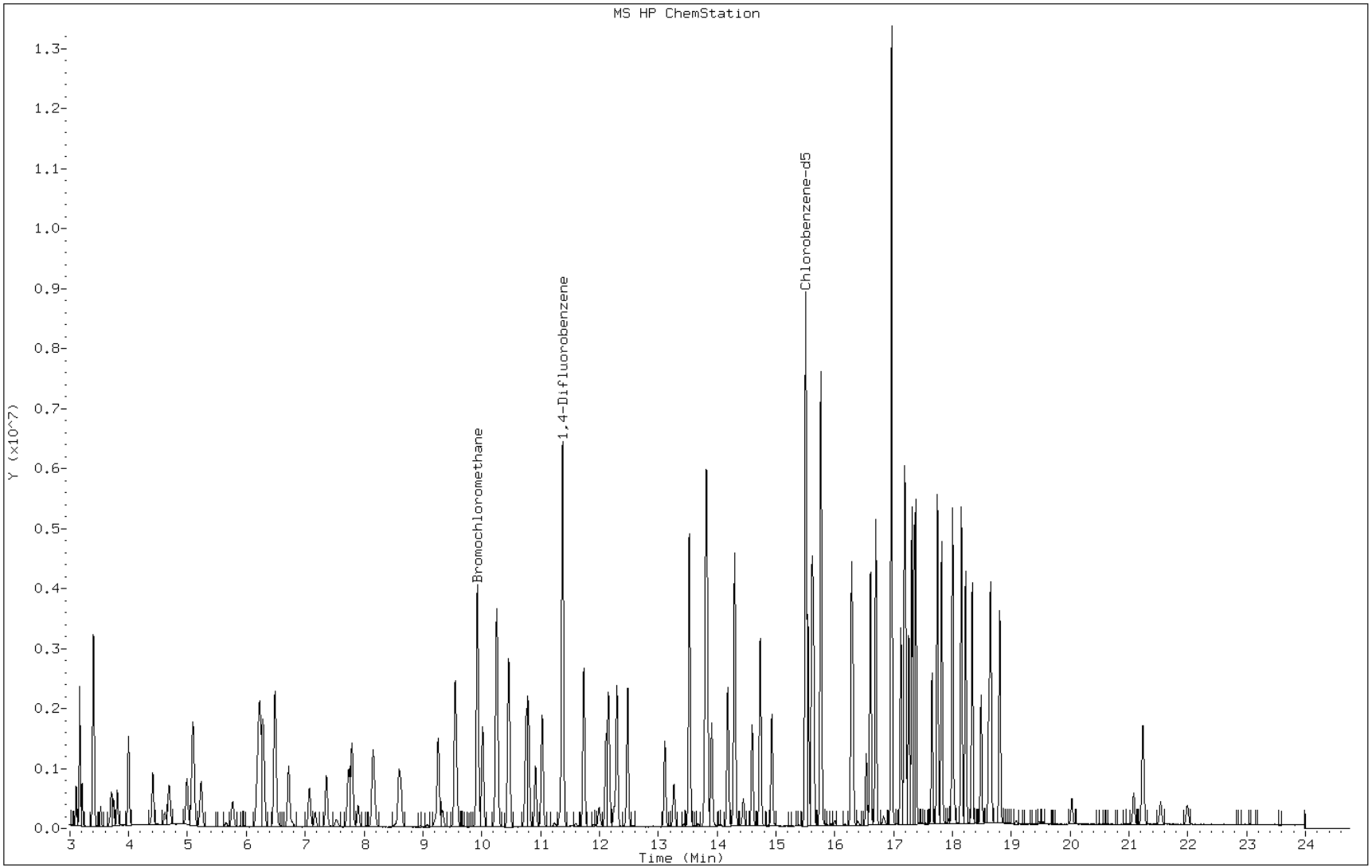
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	30 n-Hexane	57	8.149	8.155	(0.821)	898587	2.00000	1.7(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	1209262	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1735570	4.00000	3.7
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	778886	2.00000	1.9(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1439442	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	1778083	2.00000	1.8(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	1029001	2.00000	2.0(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	2262104	2.00000	1.8(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	2671009	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	2785873	2.00000	2.0(A)
	44 Benzene	78	10.797	10.797	(0.949)	2047540	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	1073634	2.00000	1.8(A)
	46 n-Heptane	43	11.022	11.033	(0.969)	903248	2.00000	1.6(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7125699	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	1072880	2.00000	1.8(A)
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	650479	2.00000	1.8(A)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	1885287	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	1060176	2.00000	2.1(A)
	58 Toluene	92	13.531	13.536	(0.873)	1549879	2.00000	1.9(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	1180241	2.00000	2.3(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	743718	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	1944118	2.00000	2.1(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	2207808	2.00000	2.2(A)
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	1554802	2.00000	2.2(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6591126	2.00000	
	67 Ethylbenzene	91	15.612	15.612	(1.007)	3525596	2.00000	2.0(A)
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	2866597	4.00000	4.5(A)
M	70 Xylene, Total	106				4264637	6.00000	6.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	1398040	2.00000	2.3(A)
	73 Bromoform	173	16.602	16.607	(1.071)	2407376	2.00000	2.5(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1630826	2.00000	2.5(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	3934597	2.00000	3.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	3331755	2.00000	3.0(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: efv013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 20:10
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57137/3	efv004.d
Level 2	IC 200-57137/4	efv005.d
Level 3	IC 200-57137/5	efv006.d
Level 4	IC 200-57137/6	efv007.d
Level 5	ICIS 200-57137/7	efv008.d
Level 6	IC 200-57137/8	efv009.d
Level 7	IC 200-57137/9	efv010.d
Level 8	IC 200-57137/10	efv011.d
Level 9	IC 200-57137/11	efv012.d
Level 10	IC 200-57137/12	efv013.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dichlorodifluoromethane		1.8307				Ave		1.7781				10.6		30.0			
1,2-Dichlorotetrafluoroethane		1.4532				Ave		1.5048				8.0		30.0			
Chloromethane	0.2828	0.2603	0.2536	0.3248 0.2373	0.3088 0.2350	Ave		0.2718				12.8		30.0			
Vinyl chloride	0.3492	+++++	0.3704 0.3423	0.4059 +++++	0.3518 +++++	Ave		0.3670				6.6		30.0			
1,3-Butadiene	0.2198	+++++	0.2086	0.2635 +++++	0.2295 +++++	Ave		0.2468				15.8		30.0			
Bromomethane		0.6335	0.5270			Ave		0.5329				11.4		30.0			
Chloroethane		0.2552				Ave		0.2036				16.8		30.0			
Bromoethene(Vinyl Bromide)	0.5739	+++++	0.6615 0.5206	0.6656 +++++	0.5734 +++++	Ave		0.6211				12.6		30.0			
Trichlorofluoromethane	2.0379	1.9264	1.9153			Ave		1.9994				5.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.1775			Ave		1.2605				5.6		30.0			
1,1-Dichloroethene	0.6348 0.5028	0.6252 +++++	0.5196 0.5153	0.5505 +++++	0.5458 +++++	Ave		0.5563				9.6		30.0			
3-Chloropropene	0.4652	0.5770 +++++	0.4796 0.4107	0.5174 +++++	0.4891 +++++	Ave		0.4898				11.3		30.0			
Methylene Chloride	0.5455	0.4538	0.4627	0.7094 0.4227	0.6126 0.4178	Ave		0.5178				21.3		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.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Methyl tert-butyl ether	1.3472	+++++	1.1508	1.2796 +++++	1.3392 +++++	Ave		1.3151				12.0		30.0			
trans-1,2-Dichloroethene		0.8153	0.7152			Ave		0.7693				7.6		30.0			
n-Hexane		0.8696				Ave		0.7178				12.0		30.0			
1,1-Dichloroethane	1.0162 0.9499	+++++	0.8395	1.0313 +++++	0.9952 +++++	Ave		0.9462				7.8		30.0			
cis-1,2-Dichloroethene	0.6144 0.5472	+++++	0.5415 0.5109	0.5590 +++++	0.5532 +++++	Ave		0.5573				5.7		30.0			
Chloroform		1.3221				Ave		1.3727				10.0		30.0			
Cyclohexane	0.1404	0.1564 +++++	0.1391 0.1427	0.1560 +++++	0.1413 +++++	Ave		0.1466				5.1		30.0			
1,1,1-Trichloroethane		0.3507	0.3210			Ave		0.3458				7.3		30.0			
Carbon tetrachloride	0.4109					Ave		0.3958				5.4		30.0			
2,2,4-Trimethylpentane	0.4109	+++++	0.3814	0.4423 +++++	0.4088 +++++	Ave		0.3955				7.3		30.0			
Benzene	0.4196 0.3065	+++++	0.3087 0.2729	0.3338 +++++	0.3060 +++++	Ave		0.3301				14.6		30.0			
1,2-Dichloroethane	0.1756	+++++	0.1479	0.1923 +++++	0.1795 +++++	Ave		0.1683				10.0		30.0			
Trichloroethene	0.1574	+++++	0.1413	0.1701 +++++	0.1538 +++++	Ave		0.1624				10.4		30.0			
1,2-Dichloropropane		0.1026	0.0984			Ave		0.1015				8.2		30.0			
Bromodichloromethane		0.2699				Ave		0.2792				8.3		30.0			
Toluene	0.2497	+++++	0.2316 0.2118	0.2538 +++++	0.2496 +++++	Ave		0.2440				7.7		30.0			
trans-1,3-Dichloropropene	0.1600	+++++	0.1263 0.1401	0.1537 +++++	0.1501 +++++	Ave		0.1440				11.3		30.0			
1,1,2-Trichloroethane		0.1196				Ave		0.1256				13.2		30.0			
Tetrachloroethene		0.2799	0.2574			Ave		0.2830				8.2		30.0			
Dibromochloromethane	0.3531 0.3184	+++++	0.2946 0.2947	0.3137 +++++	0.3138 +++++	Ave		0.3094				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.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dibromoethane	0.2314 0.2222	+++++	0.2030	0.2204 +++++	0.2216 +++++	Ave		0.2142				5.9		30.0			
Chlorobenzene	0.3617	0.3086	0.3492 0.3175	0.4248 0.3329	0.3640 0.3548	Ave		0.3517				10.2		30.0			
Ethylbenzene	0.5563	0.4770	0.4944			Ave		0.5265				7.8		30.0			
m-Xylene & p-Xylene		0.1630				Ave		0.1913				9.7		30.0			
o-Xylene		0.1700				Ave		0.1862				10.9		30.0			
Bromoform	0.3252	+++++	0.3053	0.2894 +++++	0.3017 +++++	Ave		0.2880				10.5		30.0			
1,1,2,2-Tetrachloroethane	0.2186 0.2215	+++++	0.1609 0.2120	0.1812 +++++	0.2158 +++++	Ave		0.1958				14.0		30.0			
1,3,5-Trimethylbenzene	0.4199	+++++	0.2816 +++++	0.3128 +++++	0.3761 +++++	Ave		0.3320				19.3		30.0			
1,2,4-Trimethylbenzene	0.3677	0.3539	0.2513 0.3813	0.2545 0.4135	0.3158 0.4629	Ave		0.3501				21.1		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-57137/3	efv004.d
Level 2	IC 200-57137/4	efv005.d
Level 3	IC 200-57137/5	efv006.d
Level 4	IC 200-57137/6	efv007.d
Level 5	ICIS 200-57137/7	efv008.d
Level 6	IC 200-57137/8	efv009.d
Level 7	IC 200-57137/9	efv010.d
Level 8	IC 200-57137/10	efv011.d
Level 9	IC 200-57137/11	efv012.d
Level 10	IC 200-57137/12	efv013.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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dichlorodifluoromethane	BCM	Ave		24279					0.0200			
1,2-Dichlorotetrafluoroethane	BCM	Ave		19272					0.0200			
Chloromethane	BCM	Ave	87303	126886	173634	18686 253795	37943 338245	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Vinyl chloride	BCM	Ave	107828	+++++	9426 234302	23350 +++++	43222 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3-Butadiene	BCM	Ave	67850	+++++	142807	15160 +++++	28195 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Bromomethane	BCM	Ave		8402	13409				0.0200	0.0400		
Chloroethane	BCM	Ave		3384					0.0200			
Bromoethene(Vinyl Bromide)	BCM	Ave	177198	+++++	16831 356408	38291 +++++	70441 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
Trichlorofluoromethane	BCM	Ave	12985	25548	48736			0.0100	0.0200	0.0400		
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave			29961					0.0400		
1,1-Dichloroethene	BCM	Ave	4045 155227	8292 +++++	13221 352755	31671 +++++	67060 +++++	0.0100 0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
3-Chloropropene	BCM	Ave	143634	7652 +++++	12203 281189	29766 +++++	60089 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
Methylene Chloride	BCM	Ave	168425	221191	316737	40812 452079	75267 601453	0.500	0.750	1.00	0.100 1.50	0.200 2.00
Methyl tert-butyl ether	BCM	Ave	415958	+++++	787815	73615 +++++	164529 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

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 9	LVL 5 LVL 10	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
trans-1,2-Dichloroethene	BCM	Ave		10813	18199				0.0200	0.0400		
n-Hexane	BCM	Ave		11533					0.0200			
1,1-Dichloroethane	BCM	Ave	6475 293299	+++++	574716	59335 +++++	122266 +++++	0.0100 0.500	+++++	1.00	0.100 +++++	0.200 +++++
cis-1,2-Dichloroethene	BCM	Ave	3915 168962	+++++	13778 349746	32161 +++++	67965 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
Chloroform	BCM	Ave		17534					0.0200			
Cyclohexane	DFB	Ave	215684	9938 +++++	17038 484105	43343 +++++	84106 +++++	0.500	0.0200 +++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,1-Trichloroethane	DFB	Ave		22280	39317				0.0200	0.0400		
Carbon tetrachloride	DFB	Ave	12503					0.0100				
2,2,4-Trimethylpentane	DFB	Ave	631114	+++++	1293860	122910 +++++	243304 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Benzene	DFB	Ave	12767 470759	+++++	37814 925807	92753 +++++	182141 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dichloroethane	DFB	Ave	269730	+++++	501777	53437 +++++	106844 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
Trichloroethene	DFB	Ave	241749	+++++	479172	47272 +++++	91519 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
1,2-Dichloropropane	DFB	Ave		6516	12048				0.0200	0.0400		
Bromodichloromethane	DFB	Ave		17149					0.0200			
Toluene	CBZ	Ave	352398	+++++	24571 665739	61996 +++++	135205 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
trans-1,3-Dichloropropene	DFB	Ave	245743	+++++	15475 475095	42717 +++++	89320 +++++	0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,1,2-Trichloroethane	CBZ	Ave		6567					0.0200			
Tetrachloroethene	CBZ	Ave		15371	27306				0.0200	0.0400		
Dibromochloromethane	CBZ	Ave	9471 449313	+++++	31262 926369	76623 +++++	169964 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,2-Dibromoethane	CBZ	Ave	6207 313539	+++++	638007	53840 +++++	120014 +++++	0.0100 0.500	+++++	1.00	0.100 +++++	0.200 +++++
Chlorobenzene	CBZ	Ave	510309	688019	37053 998035	103773 1635274	197150 2338554	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 57137

SDG No.: 200-16861

Instrument ID: E.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2013 11:51 Calibration End Date: 06/04/2013 20:10 Calibration ID: 22125

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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Ethylbenzene	CBZ	Ave	14921	26197	52451			0.0100	0.0200	0.0400		
m-Xylene & p-Xylene	CBZ	Ave		17909					0.0400			
o-Xylene	CBZ	Ave		9336					0.0200			
Bromoform	CBZ	Ave	458901	+++++	959494	70696 +++++	163433 +++++	0.500	+++++	1.00	0.100 +++++	0.200 +++++
1,1,2,2-Tetrachloroethane	CBZ	Ave	5863 312547	+++++	17068 666517	44274 +++++	116901 +++++	0.0100 0.500	+++++	0.0400 1.00	0.100 +++++	0.200 +++++
1,3,5-Trimethylbenzene	CBZ	Ave	592477	+++++	29878 +++++	76398 +++++	203713 +++++	0.500	+++++	0.0400 +++++	0.100 +++++	0.200 +++++
1,2,4-Trimethylbenzene	CBZ	Ave	518829	788911	26667 1198361	62172 2031249	171039 3050724	0.500	0.750	0.0400 1.00	0.100 1.50	0.200 2.00

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv004.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 11:51
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 100,1,level 01
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:26 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 11:51 Cal File: efv004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	13606	0.01000	0.012
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	10914	0.01000	0.011
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	62	3.746	3.746	(0.377)	3643	0.01000	0.016(a)
8 1,3-Butadiene	54	3.816	3.805	(0.384)	1602	0.01000	0.010(a)
9 Bromomethane	94	4.404	4.415	(0.444)	4681	0.01000	0.014(aQM)
10 Chloroethane	64	4.613	4.618	(0.465)	2301	0.01000	0.018(a)
12 Vinyl bromide	106	4.993	4.993	(0.503)	6544	0.01000	0.016(a)
13 Trichlorofluoromethane	101	5.084	5.095	(0.512)	12985	0.01000	0.010
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.207	6.223	(0.625)	9746	0.01000	0.012(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	4045	0.01000	0.011(M)
22 Allyl chloride	41	7.069	7.074	(0.712)	3141	0.01000	0.010(a)
25 Methylene chloride	49	7.363	7.368	(0.742)	12368	0.01000	0.037(a)
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	5382	0.01000	0.011

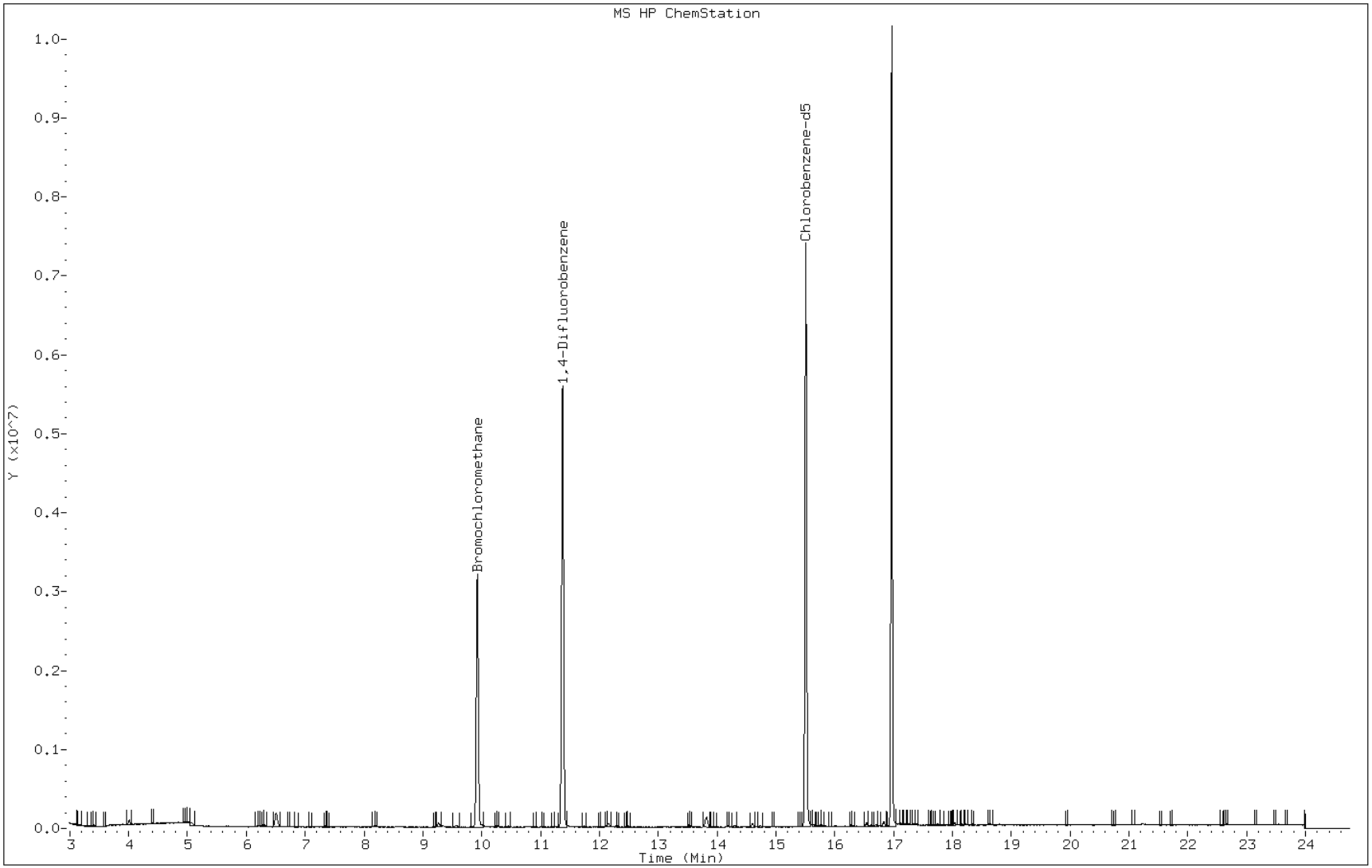
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	10401	0.01000	0.012
	30 n-Hexane	57	8.160	8.155	(0.822)	4166	0.01000	0.0091(a)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	6475	0.01000	0.011
M	33 1,2-Dichloroethene, Total	61				9297	0.02000	0.022
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	3915	0.01000	0.011
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1274321	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	10345	0.01000	0.012
	40 Cyclohexane	84	10.257	10.252	(0.902)	4575	0.01000	0.010(M)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	11068	0.01000	0.010(Q)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	12503	0.01000	0.010
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	12149	0.01000	0.010
	44 Benzene	78	10.797	10.797	(0.949)	12767	0.01000	0.013
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	5726	0.01000	0.011(a)
	46 n-Heptane	43	11.033	11.033	(0.970)	5546	0.01000	0.012
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6085666	2.00000	
	49 Trichloroethene	95	11.744	11.734	(1.032)	5944	0.01000	0.012
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	3698	0.01000	0.012(aQM)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	9716	0.01000	0.011
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	4981	0.01000	0.011
	58 Toluene	92	13.536	13.536	(0.873)	7284	0.01000	0.011(Q)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	4840	0.01000	0.011
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	4105	0.01000	0.012(Q)
	61 Tetrachloroethene	166	14.307	14.301	(0.923)	8786	0.01000	0.012
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	9471	0.01000	0.011
	64 1,2-Dibromoethane	107	14.943	14.933	(0.964)	6207	0.01000	0.011
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5364128	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	11890	0.01000	0.013(aQM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	14921	0.01000	0.010
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	10443	0.02000	0.020
M	70 Xylene, Total	106				15935	0.03000	0.031
	71 Xylene (o)	106	16.286	16.281	(1.050)	5492	0.01000	0.011(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	8086	0.01000	0.010(M)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	5863	0.01000	0.011
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	9843	0.01000	0.0091(a)
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	9372	0.01000	0.010(a)
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	8905	0.01000	0.0095(aQM)

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: efv004.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 11:51
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv004.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 11:51
Instrument ID: E.i
Client ID:
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 06/17/2013

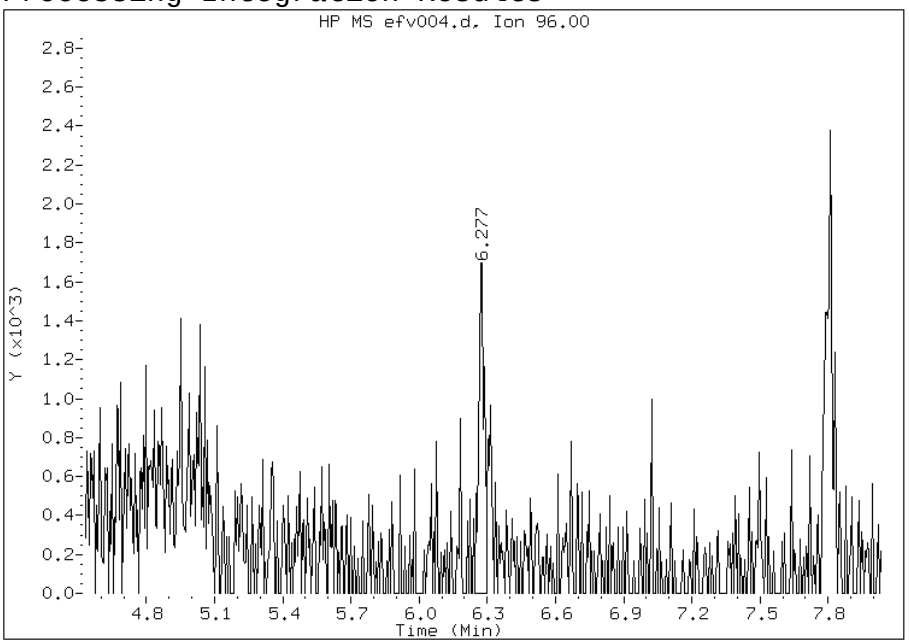
Processing Integration Results

RT: 6.28

Response: 2987

Amount: 0.008803

Conc: 0.008803



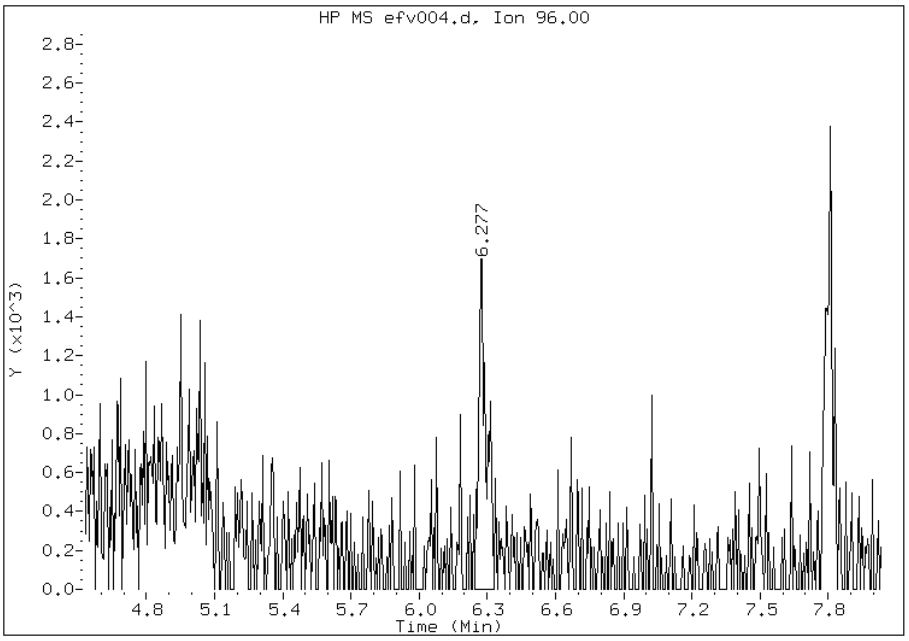
Manual Integration Results

RT: 6.28

Response: 4045

Amount: 0.011412

Conc: 0.011412



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv005.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 12:46
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 200,1,level 02
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 12:46 Cal File: efv005.d
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	24279	0.02000	0.020
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	19272	0.02000	0.019
5 Chloromethane	50	3.533	3.543	(0.356)	6385	0.02000	0.035(aQM)
7 Vinyl chloride	62	3.736	3.746	(0.376)	5072	0.02000	0.021
8 1,3-Butadiene	54	3.816	3.805	(0.384)	4191	0.02000	0.026
9 Bromomethane	94	4.415	4.415	(0.445)	8402	0.02000	0.024
10 Chloroethane	64	4.608	4.618	(0.464)	3384	0.02000	0.025(QM)
12 Vinyl bromide	106	4.993	4.993	(0.503)	9706	0.02000	0.024
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	25548	0.02000	0.019
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	17754	0.02000	0.021(a)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	8292	0.02000	0.022(Q)
22 Allyl chloride	41	7.079	7.074	(0.713)	7652	0.02000	0.024
25 Methylene chloride	49	7.363	7.368	(0.742)	16244	0.02000	0.047(a)
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	10813	0.02000	0.021

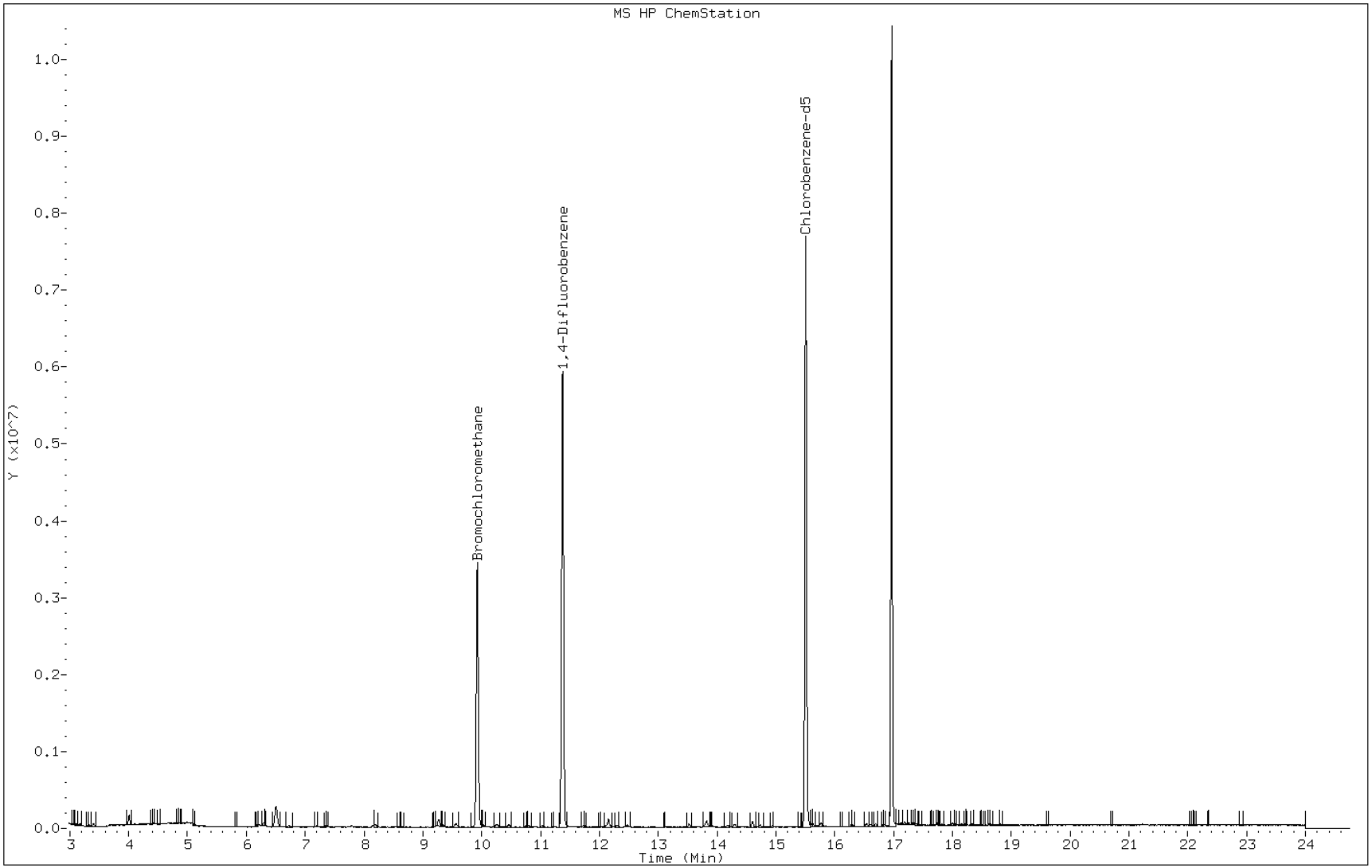
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	16918	0.02000	0.019(M)
	30 n-Hexane	57	8.144	8.155	(0.820)	11533	0.02000	0.024
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	12210	0.02000	0.019
M	33 1,2-Dichloroethene, Total	61				18435	0.04000	0.042
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	7622	0.02000	0.021
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1326198	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	17534	0.02000	0.019
	40 Cyclohexane	84	10.262	10.252	(0.902)	9938	0.02000	0.021
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	22280	0.02000	0.020
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	26424	0.02000	0.021
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	23171	0.02000	0.018
	44 Benzene	78	10.797	10.797	(0.949)	23055	0.02000	0.022
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	10168	0.02000	0.019(a)
	46 n-Heptane	43	11.027	11.033	(0.969)	11211	0.02000	0.023
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6352780	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	10302	0.02000	0.020
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	6516	0.02000	0.020(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	17149	0.02000	0.019
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	8416	0.02000	0.018
	58 Toluene	92	13.531	13.536	(0.873)	13169	0.02000	0.020
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	7543	0.02000	0.016
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	6567	0.02000	0.019(M)
	61 Tetrachloroethene	166	14.296	14.301	(0.922)	15371	0.02000	0.020
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	15246	0.02000	0.018
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	10922	0.02000	0.018
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5492158	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	20206	0.02000	0.021(aQM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	26197	0.02000	0.018
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	17909	0.04000	0.034
M	70 Xylene, Total	106				27245	0.06000	0.052
	71 Xylene (o)	106	16.281	16.281	(1.050)	9336	0.02000	0.018(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	13495	0.02000	0.017
	75 1,1,2,2-Tetrachloroethane	83	17.131	17.126	(1.105)	8806	0.02000	0.016
	79 4-Ethyltoluene	105	17.319	17.313	(1.117)	19314	0.02000	0.018
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	14815	0.02000	0.016(a)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	11453	0.02000	0.012(aQM)

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: efv005.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 12:46
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 10 Chloroethane
CAS #: 75-00-3
Report Date: 06/17/2013

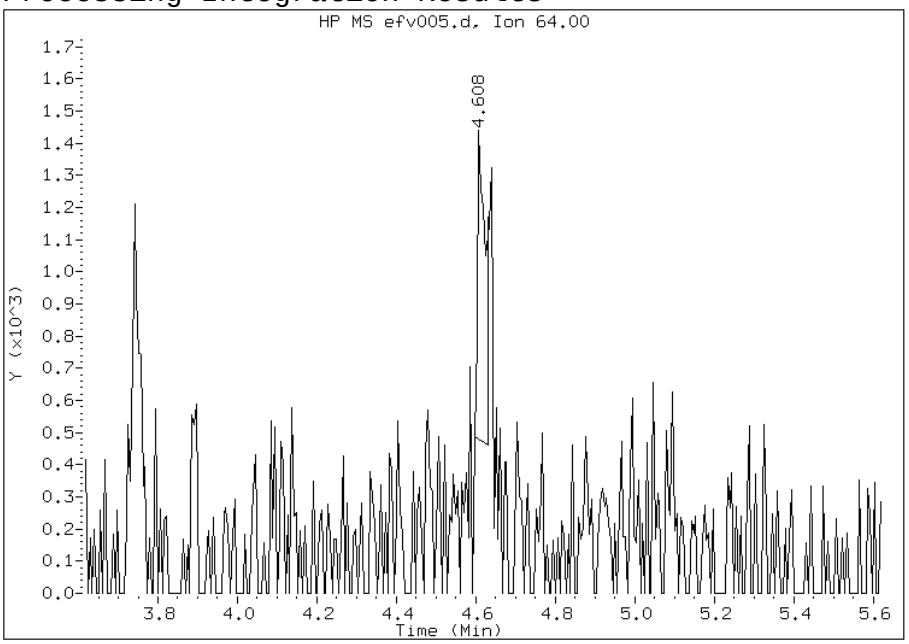
Processing Integration Results

RT: 4.61

Response: 1286

Amount: 0.013422

Conc: 0.013422



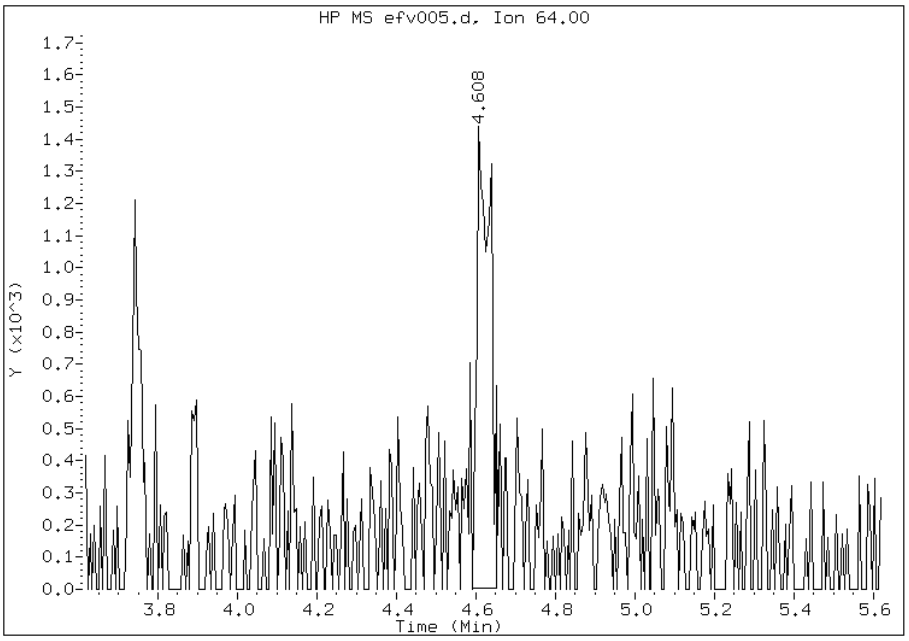
Manual Integration Results

RT: 4.61

Response: 3384

Amount: 0.025065

Conc: 0.025065



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv005.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 12:46
Instrument ID: E.i
Client ID:
Compound: 60 1,1,2-Trichloroethane
CAS #: 79-00-5
Report Date: 06/17/2013

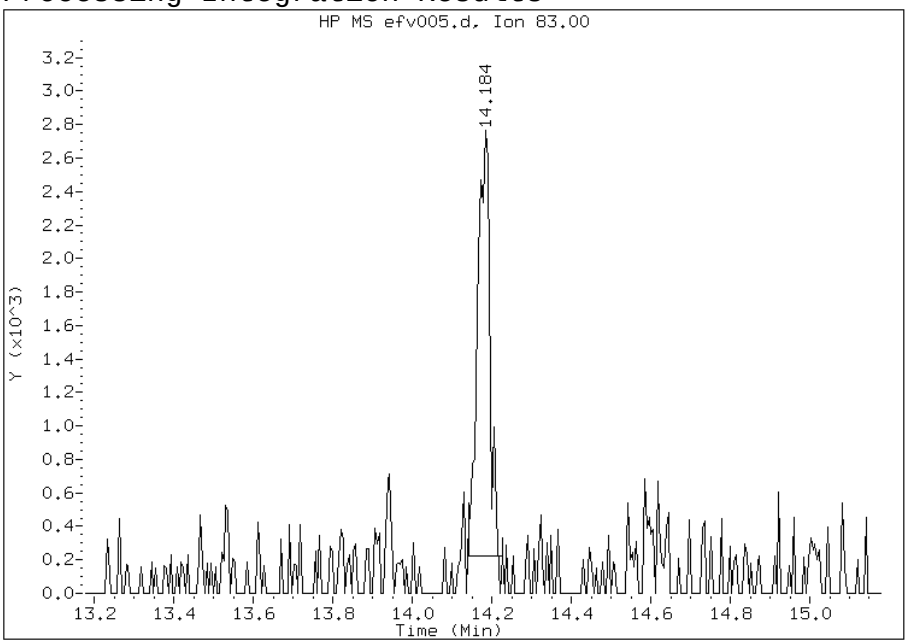
Processing Integration Results

RT: 14.18

Response: 5416

Amount: 0.016087

Conc: 0.016087



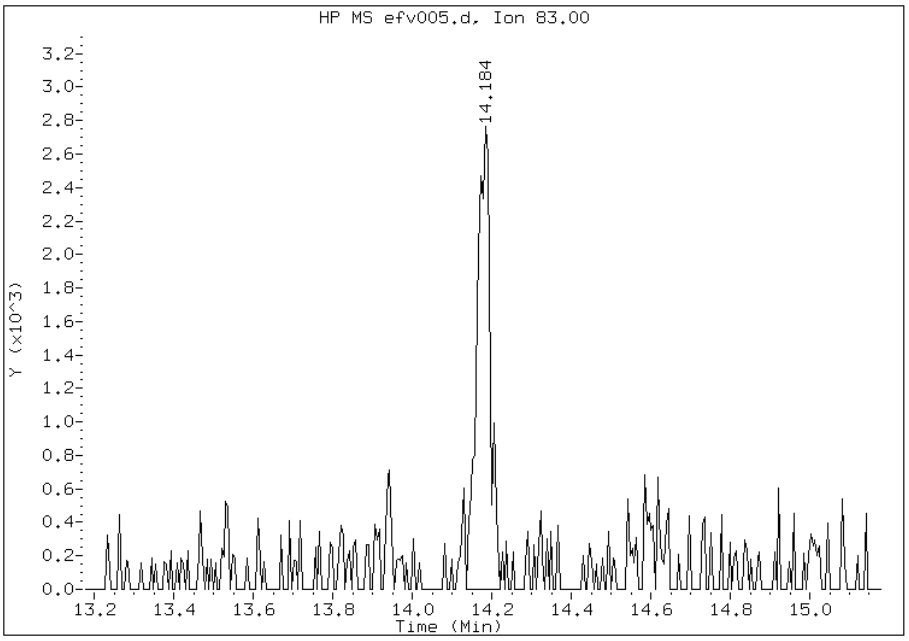
Manual Integration Results

RT: 14.18

Response: 6567

Amount: 0.019041

Conc: 0.019041



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv006.d
Lab Smp Id: ic 495525
Inj Date : 04-JUN-2013 13:41
Operator : wrd Inst ID: E.i
Smp Info : ic 495525
Misc Info : 400,1,level 03
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 13:41 Cal File: efv006.d
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	400.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	44743	0.04000	0.040
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	36132	0.04000	0.038
5 Chloromethane	50	3.527	3.543	(0.355)	10197	0.04000	0.059(aQM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	9426	0.04000	0.040
8 1,3-Butadiene	54	3.805	3.805	(0.383)	6191	0.04000	0.039
9 Bromomethane	94	4.405	4.415	(0.444)	13409	0.04000	0.040
10 Chloroethane	64	4.619	4.618	(0.465)	5571	0.04000	0.043
12 Vinyl bromide	106	4.982	4.993	(0.502)	16831	0.04000	0.042
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	48736	0.04000	0.038
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.224	6.223	(0.627)	29961	0.04000	0.037(a)
19 1,1-Dichloroethene	96	6.277	6.282	(0.632)	13221	0.04000	0.037
22 Allyl chloride	41	7.085	7.074	(0.714)	12203	0.04000	0.039
25 Methylene chloride	49	7.368	7.368	(0.742)	23399	0.04000	0.071(a)
27 1,2-Dichloroethene (trans)	61	7.791	7.807	(0.785)	18199	0.04000	0.037

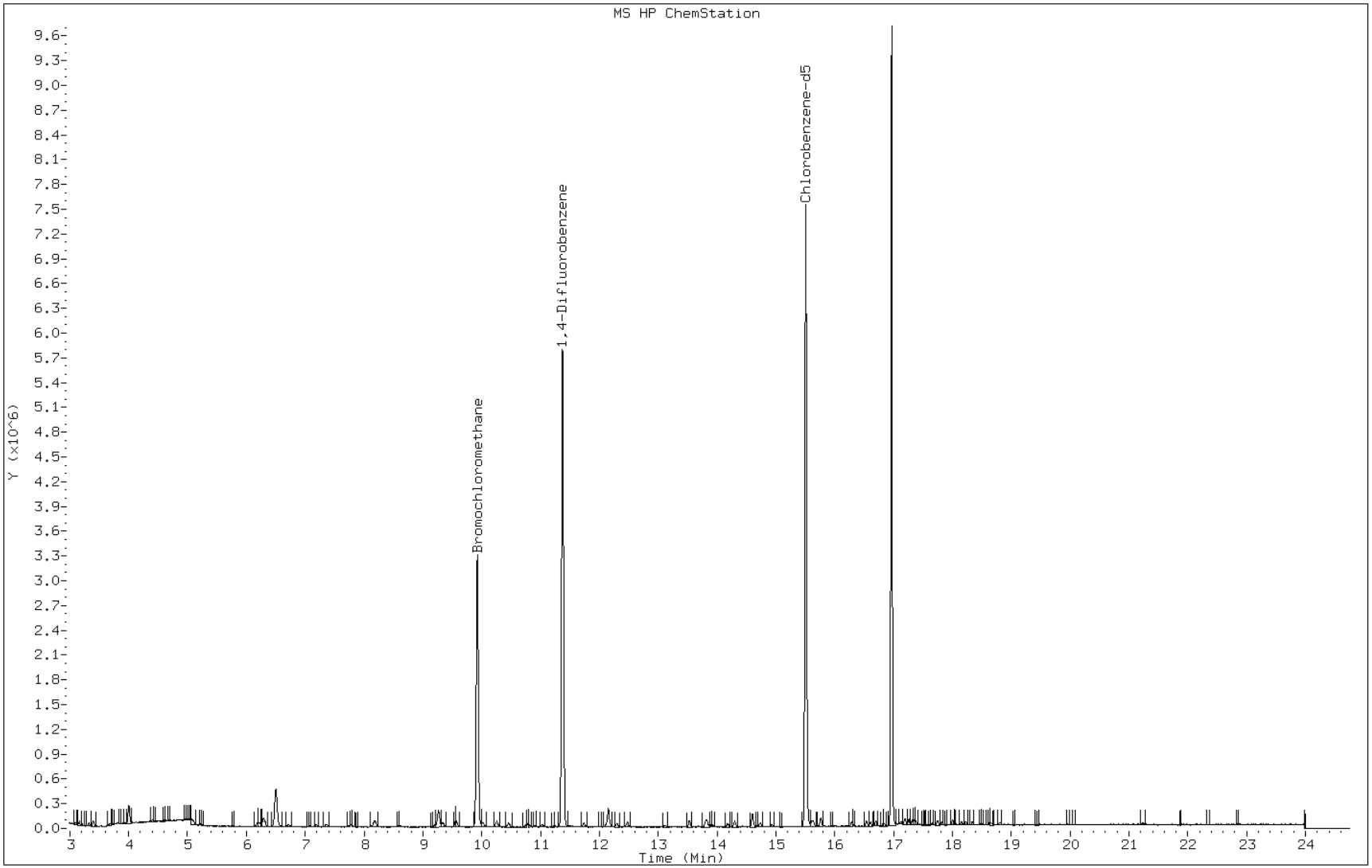
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.764	7.753	(0.782)	30054	0.04000	0.036(Q)
	30 n-Hexane	57	8.149	8.155	(0.821)	19199	0.04000	0.042
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	22143	0.04000	0.037
M	33 1,2-Dichloroethene, Total	61				31977	0.08000	0.076
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	13778	0.04000	0.039
*	36 Bromochloromethane	128	9.926	9.925	(1.000)	1272274	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	32507	0.04000	0.037
	40 Cyclohexane	84	10.252	10.252	(0.901)	17038	0.04000	0.038
	41 1,1,1-Trichloroethane	97	10.263	10.252	(0.902)	39317	0.04000	0.037
	42 Carbon tetrachloride	117	10.455	10.460	(0.919)	44636	0.04000	0.037
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	44235	0.04000	0.036
	44 Benzene	78	10.798	10.797	(0.949)	37814	0.04000	0.037
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	18922	0.04000	0.037
	46 n-Heptane	43	11.033	11.033	(0.970)	18381	0.04000	0.039
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6124979	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	19217	0.04000	0.039
	50 1,2-Dichloropropane	63	12.103	12.108	(1.064)	12048	0.04000	0.039(Q)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	31172	0.04000	0.036
	55 1,3-Dichloropropene (cis)	75	13.119	13.108	(1.153)	14843	0.04000	0.034
	58 Toluene	92	13.526	13.536	(0.872)	24571	0.04000	0.038
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	15475	0.04000	0.035
	60 1,1,2-Trichloroethane	83	14.173	14.178	(0.914)	12506	0.04000	0.038
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	27306	0.04000	0.036
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	31262	0.04000	0.038
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	21391	0.04000	0.038
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5304994	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	37053	0.04000	0.040(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	52451	0.04000	0.038
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	36774	0.08000	0.072
M	70 Xylene, Total	106				52685	0.12000	0.10
	71 Xylene (o)	106	16.281	16.281	(1.050)	15911	0.04000	0.032
	73 Bromoform	173	16.607	16.607	(1.071)	26249	0.04000	0.034
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	17068	0.04000	0.033
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	37765	0.04000	0.035
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	29878	0.04000	0.034
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	26667	0.04000	0.029(aQM)

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: efv006.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495525
Lab Sample ID: ic 495525

Date: 04-JUN-2013 13:41
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



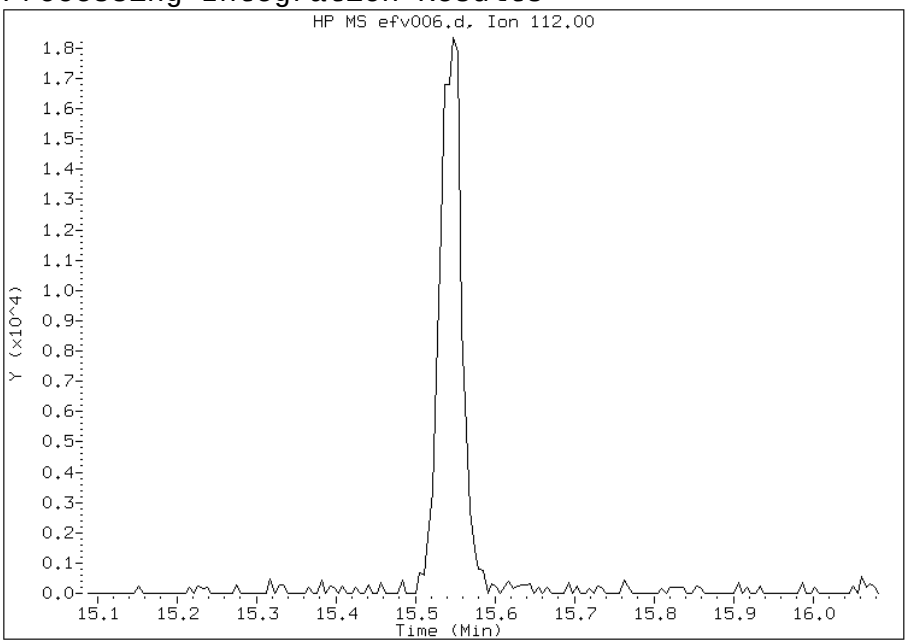
Manual Integration Report

Data File: efv006.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 13:41
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



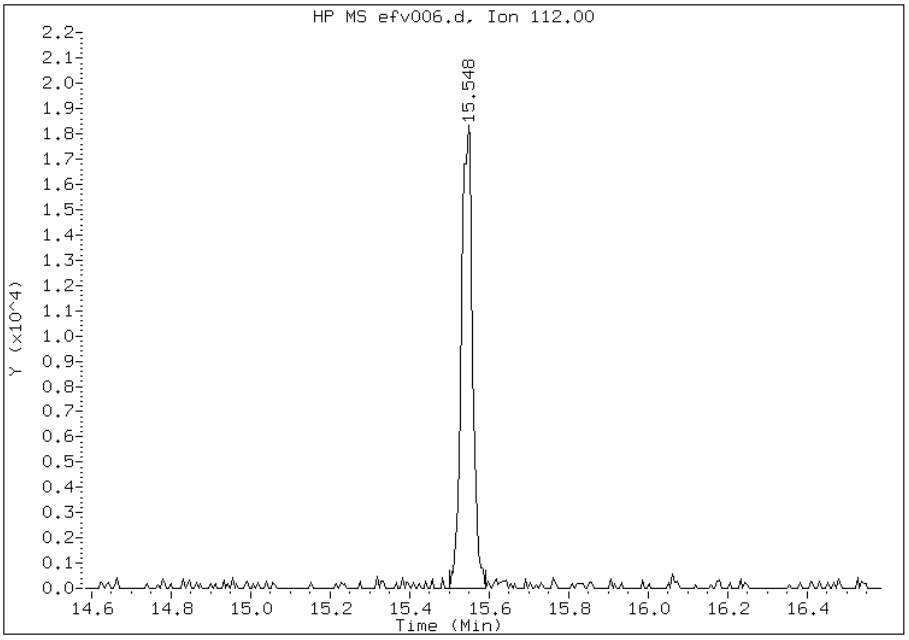
Manual Integration Results

RT: 15.55

Response: 37053

Amount: 0.039720

Conc: 0.039720



File Uploaded By: wrd
Manual Integration Reason: Analyte misidentified by the data system

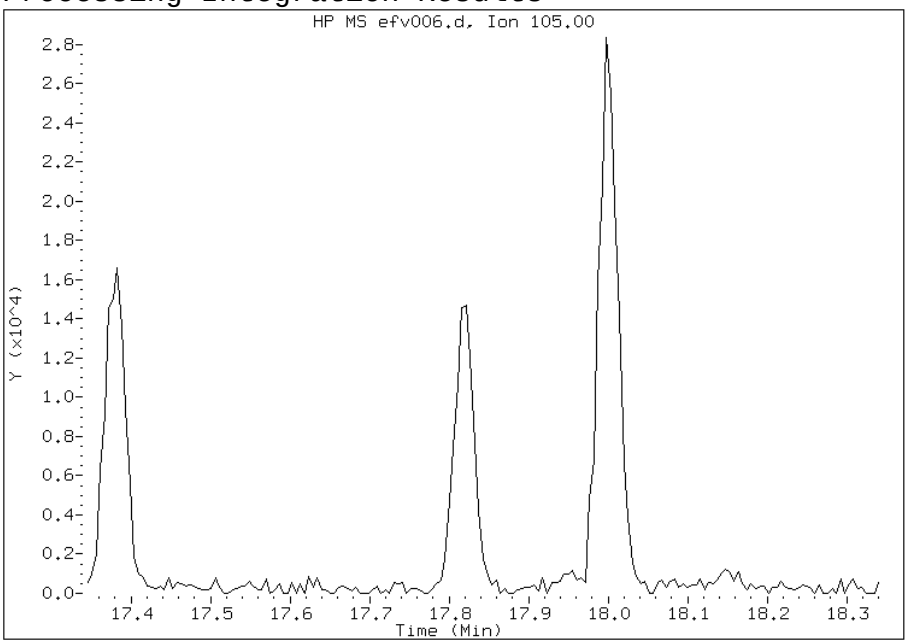
Manual Integration Report

Data File: efv006.d
Lab Sample ID: ic 495525
Inj. Date and Time: 04-JUN-2013 13:41
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



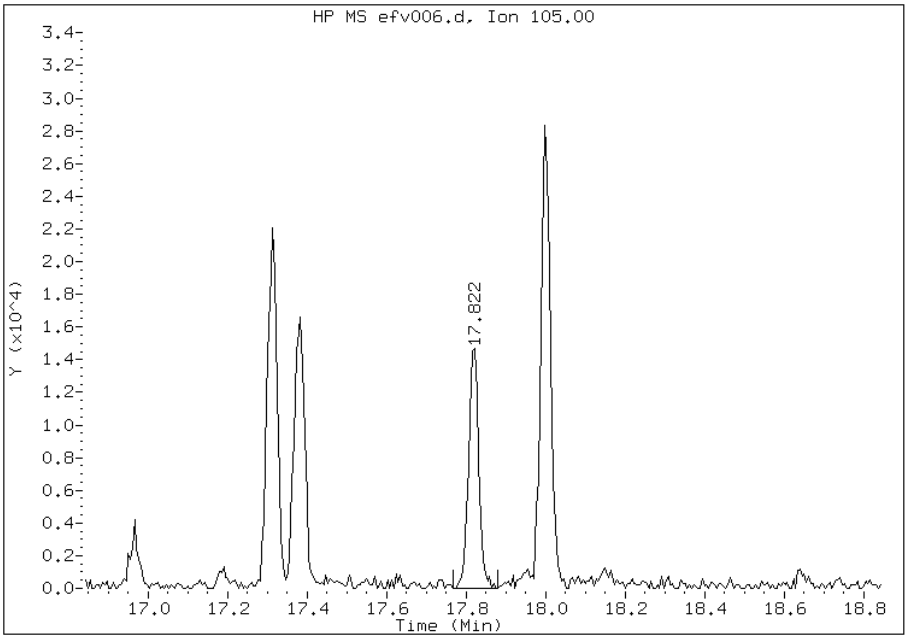
Manual Integration Results

RT: 17.82

Response: 26667

Amount: 0.028716

Conc: 0.028716



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv007.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 14:37
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 100,1,level 04
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 14:37 Cal File: efv007.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	100.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

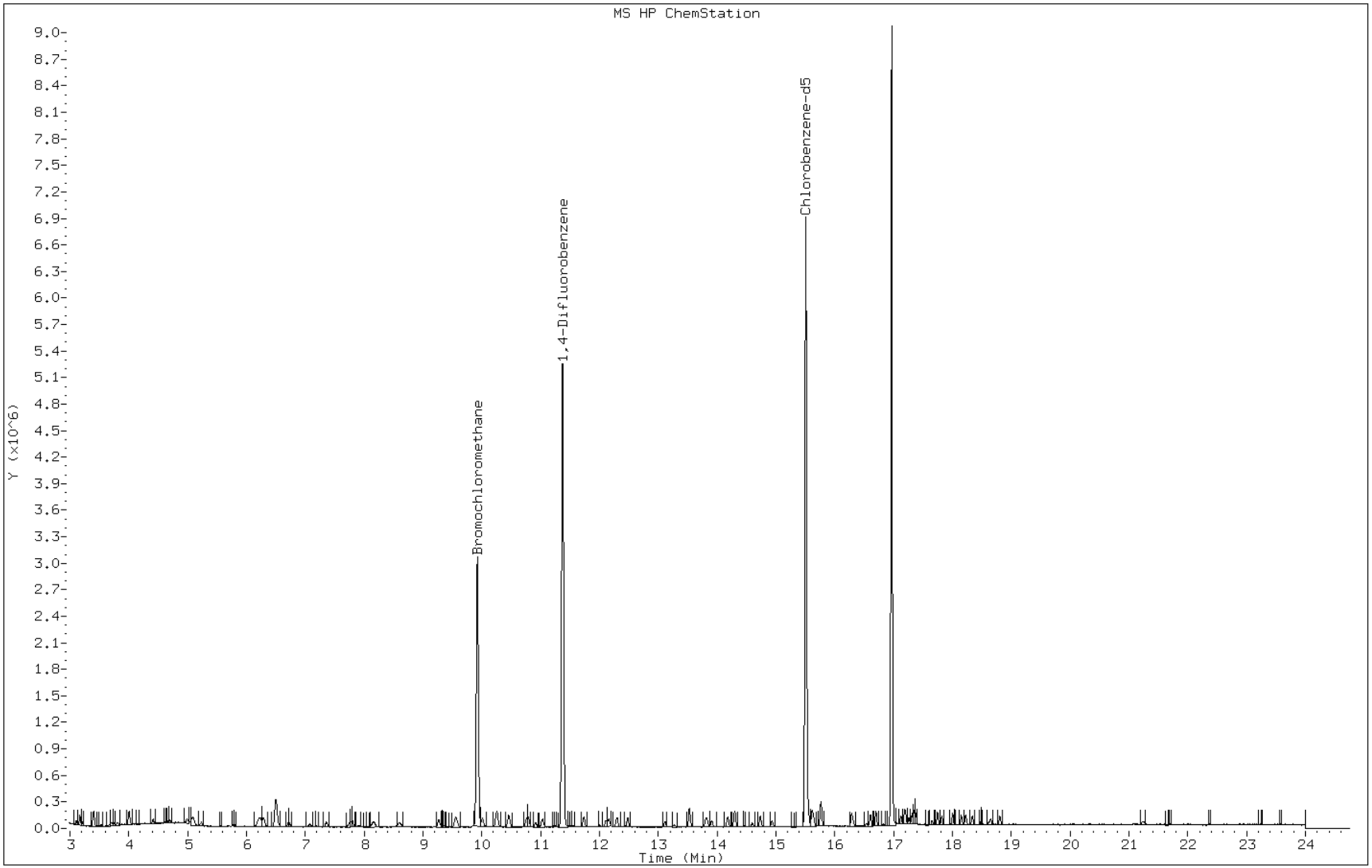
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	104846	0.10000	0.10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	93237	0.10000	0.11
5 Chloromethane	50	3.532	3.543	(0.356)	18686	0.10000	0.12(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	23350	0.10000	0.11
8 1,3-Butadiene	54	3.805	3.805	(0.383)	15160	0.10000	0.11
9 Bromomethane	94	4.415	4.415	(0.445)	32813	0.10000	0.11
10 Chloroethane	64	4.613	4.618	(0.465)	12602	0.10000	0.11
12 Vinyl bromide	106	4.993	4.993	(0.503)	38291	0.10000	0.11
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	128040	0.10000	0.11
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	78133	0.10000	0.11
19 1,1-Dichloroethene	96	6.298	6.282	(0.635)	31671	0.10000	0.099
22 Allyl chloride	41	7.079	7.074	(0.713)	29766	0.10000	0.10
25 Methylene chloride	49	7.363	7.368	(0.742)	40812	0.10000	0.14
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	47363	0.10000	0.11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	73615	0.10000	0.097
	30 n-Hexane	57	8.171	8.155	(0.823)	41436	0.10000	0.10
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	59335	0.10000	0.11
M	33 1,2-Dichloroethene, Total	61				79524	0.20000	0.21
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	32161	0.10000	0.10
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1150637	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	82205	0.10000	0.10
	40 Cyclohexane	84	10.252	10.252	(0.901)	43343	0.10000	0.11
	41 1,1,1-Trichloroethane	97	10.262	10.252	(0.902)	106899	0.10000	0.11
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	115554	0.10000	0.10
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	122910	0.10000	0.11
	44 Benzene	78	10.797	10.797	(0.949)	92753	0.10000	0.10
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	53437	0.10000	0.11
	46 n-Heptane	43	11.033	11.033	(0.970)	41118	0.10000	0.096
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5557763	2.00000	
	49 Trichloroethene	95	11.739	11.734	(1.032)	47272	0.10000	0.10
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	30478	0.10000	0.11
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	81002	0.10000	0.10
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	41455	0.10000	0.10
	58 Toluene	92	13.536	13.536	(0.873)	61996	0.10000	0.10
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	42717	0.10000	0.11
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	34937	0.10000	0.11
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	71302	0.10000	0.10
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	76623	0.10000	0.10
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	53840	0.10000	0.10
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	4885561	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	103773	0.10000	0.12(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	139099	0.10000	0.11
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	96483	0.20000	0.21
M	70 Xylene, Total	106				142443	0.30000	0.31
	71 Xylene (o)	106	16.286	16.281	(1.050)	45960	0.10000	0.10
	73 Bromoform	173	16.607	16.607	(1.071)	70696	0.10000	0.10
	75 1,1,2,2-Tetrachloroethane	83	17.121	17.126	(1.104)	44274	0.10000	0.092
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	87111	0.10000	0.089
	81 1,3,5-Trimethylbenzene	105	17.383	17.378	(1.121)	76398	0.10000	0.094
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	62172	0.10000	0.073(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efv007.d	Date:	04-JUN-2013 14:37
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 495526		
Lab Sample ID:	ic 495526		



Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

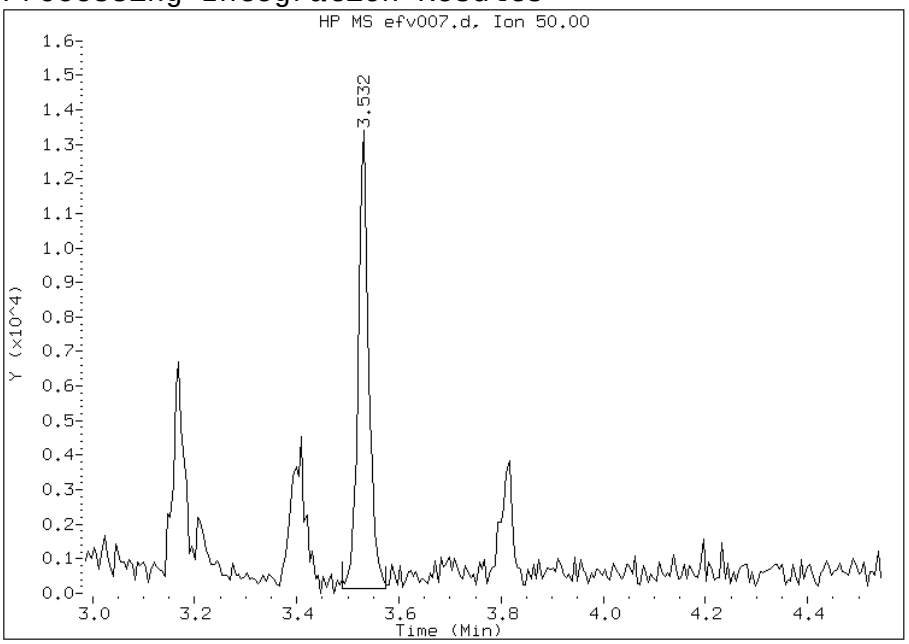
Processing Integration Results

RT: 3.53

Response: 19535

Amount: 0.100000

Conc: 0.100000



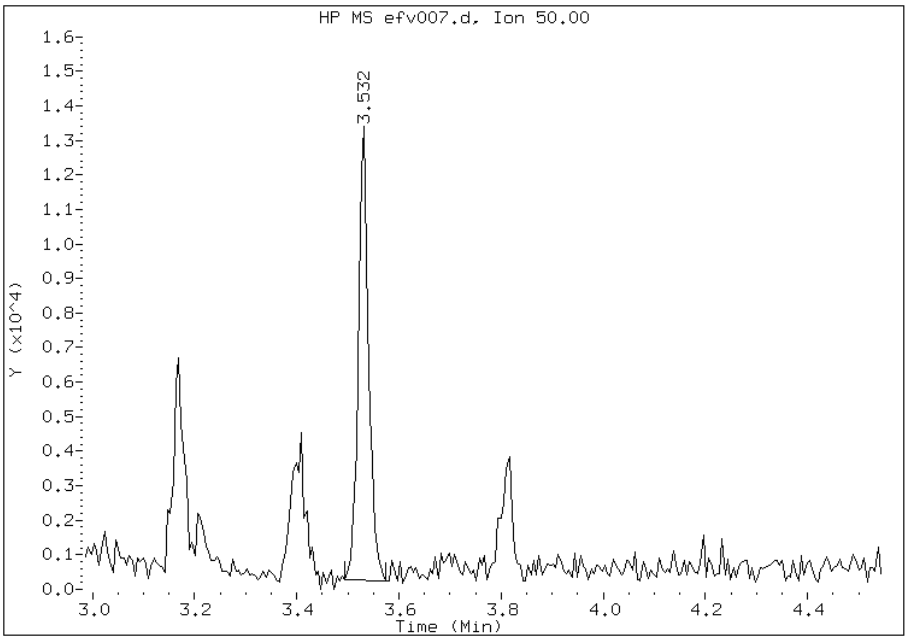
Manual Integration Results

RT: 3.53

Response: 18686

Amount: 0.119497

Conc: 0.119497



File Uploaded By: wrd
Manual Integration Reason: Baseline event

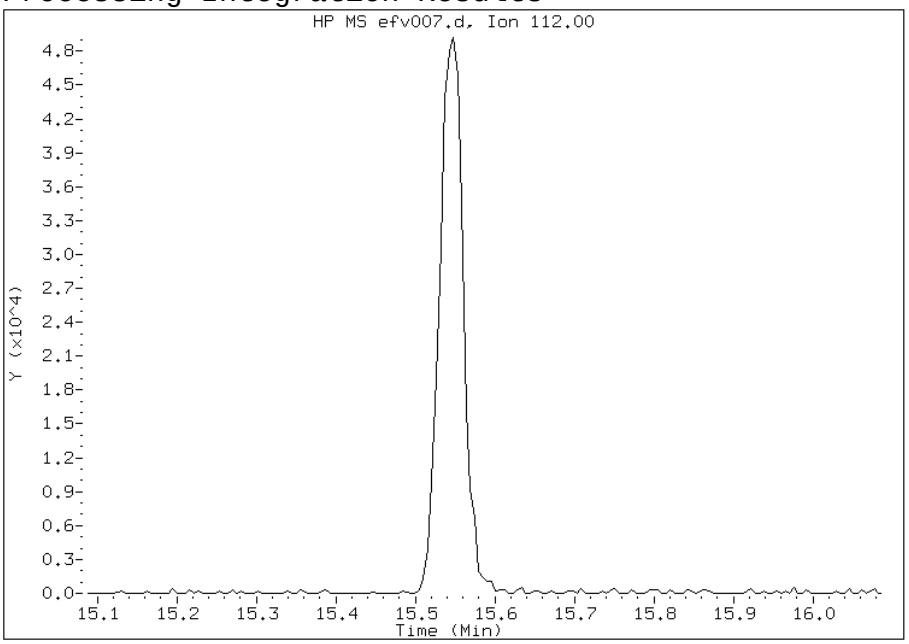
Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



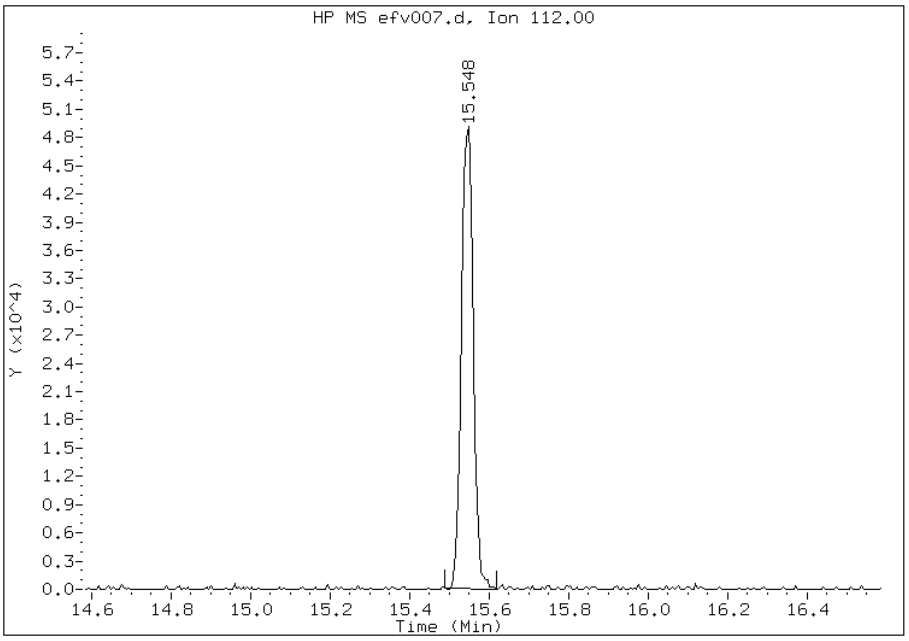
Manual Integration Results

RT: 15.55

Response: 103773

Amount: 0.120792

Conc: 0.120792



File Uploaded By: wrd
Manual Integration Reason: Baseline event

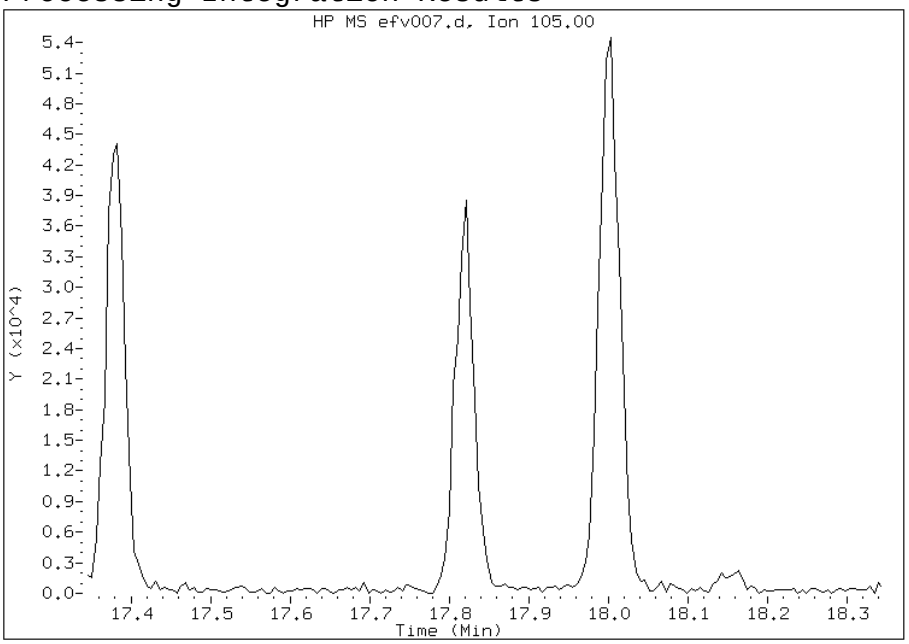
Manual Integration Report

Data File: efv007.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 14:37
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



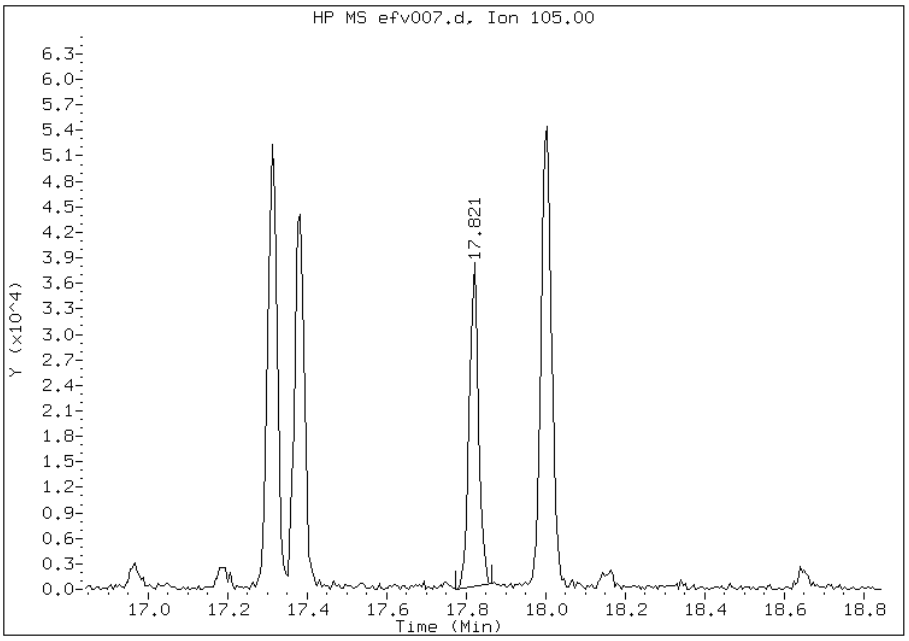
Manual Integration Results

RT: 17.82

Response: 62172

Amount: 0.072697

Conc: 0.072697



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv008.d
Lab Smp Id: icis 495526
Inj Date : 04-JUN-2013 15:32
Operator : wrd Inst ID: E.i
Smp Info : icis 495526
Misc Info : 200,1,level 05
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 15:32 Cal File: efv008.d
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	210069	0.20000	0.19
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	185548	0.20000	0.20
5 Chloromethane	50	3.527	3.543	(0.355)	37943	0.20000	0.23(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	43222	0.20000	0.19
8 1,3-Butadiene	54	3.805	3.805	(0.383)	28195	0.20000	0.18
9 Bromomethane	94	4.415	4.415	(0.445)	62214	0.20000	0.19
10 Chloroethane	64	4.618	4.618	(0.465)	23592	0.20000	0.19
12 Vinyl bromide	106	4.993	4.993	(0.503)	70441	0.20000	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	249052	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	160060	0.20000	0.21
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	67060	0.20000	0.20
22 Allyl chloride	41	7.074	7.074	(0.713)	60089	0.20000	0.20
25 Methylene chloride	49	7.368	7.368	(0.742)	75267	0.20000	0.24
27 1,2-Dichloroethene (trans)	61	7.807	7.807	(0.787)	93471	0.20000	0.20

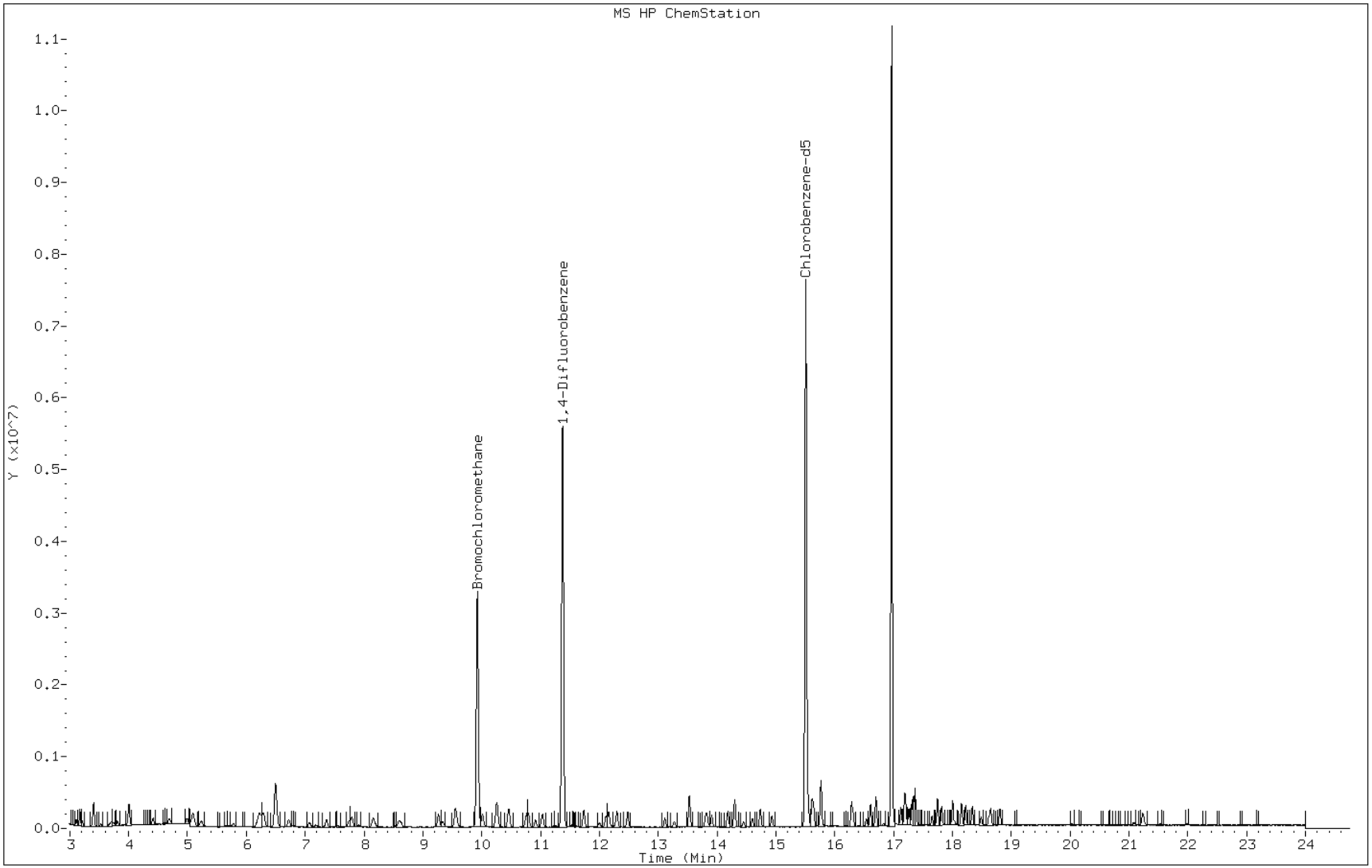
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.753	7.753	(0.781)	164529	0.20000	0.20
	30 n-Hexane	57	8.155	8.155	(0.822)	81163	0.20000	0.18
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	122266	0.20000	0.21
M	33 1,2-Dichloroethene, Total	61				161436	0.40000	0.40
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	67965	0.20000	0.20
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1228586	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	173759	0.20000	0.21
	40 Cyclohexane	84	10.252	10.252	(0.901)	84106	0.20000	0.19
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	210111	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	241852	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.765	10.765	(0.946)	243304	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.949)	182141	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	106844	0.20000	0.21
	46 n-Heptane	43	11.033	11.033	(0.970)	86535	0.20000	0.19
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	5951502	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	91519	0.20000	0.19
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	64665	0.20000	0.21
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	168622	0.20000	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	89706	0.20000	0.21
	58 Toluene	92	13.536	13.536	(0.873)	135205	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	89320	0.20000	0.21
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	65475	0.20000	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	155443	0.20000	0.20
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	169964	0.20000	0.20
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	120014	0.20000	0.21
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5416411	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	197150	0.20000	0.21(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	297130	0.20000	0.21
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	219971	0.40000	0.42
M	70 Xylene, Total	106				327258	0.60000	0.64
	71 Xylene (o)	106	16.281	16.281	(1.050)	107287	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	163433	0.20000	0.21
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	116901	0.20000	0.22
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	249870	0.20000	0.23
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	203713	0.20000	0.23
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	171039	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv008.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icis 495526
Lab Sample ID: icis 495526

Date: 04-JUN-2013 15:32
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



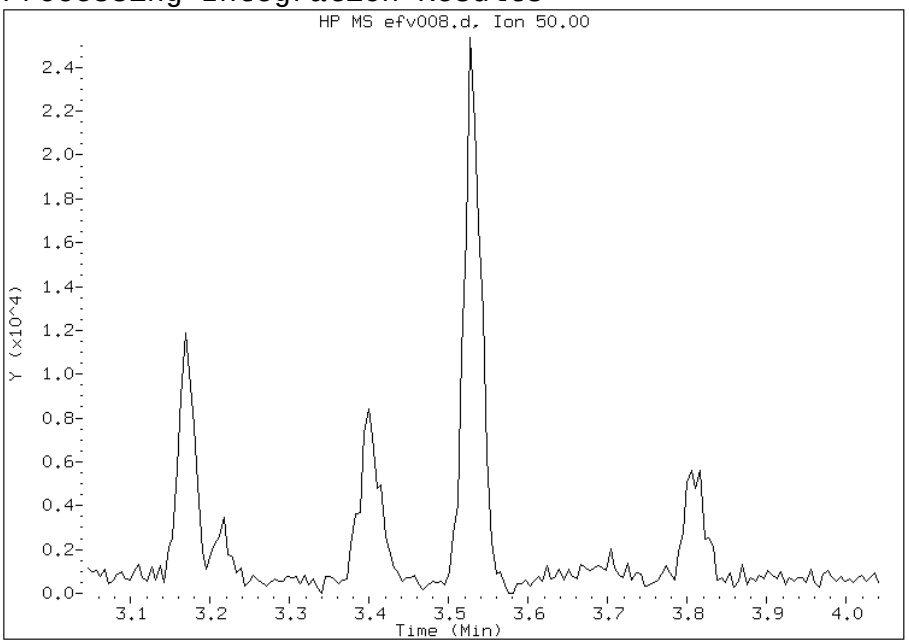
Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



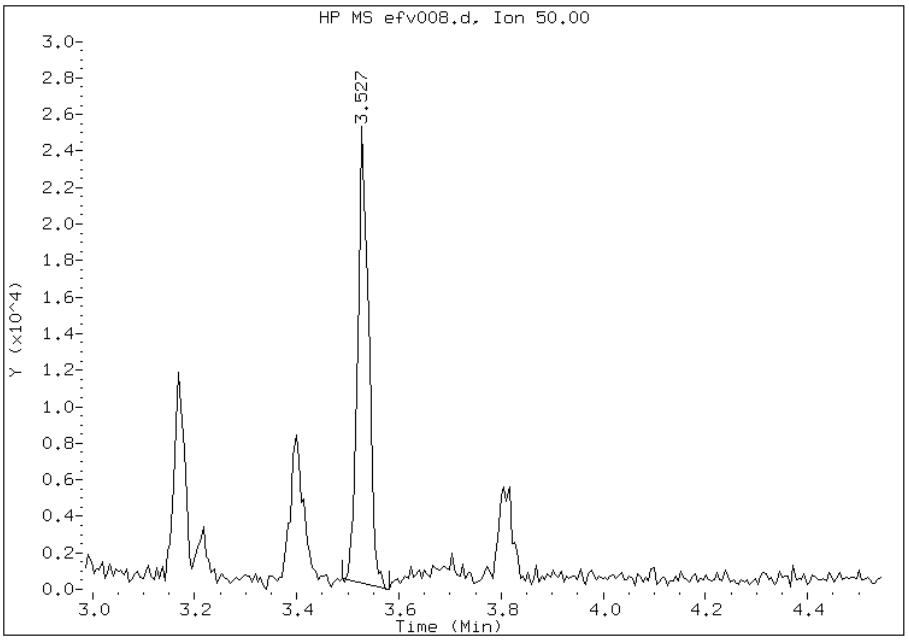
Manual Integration Results

RT: 3.53

Response: 37943

Amount: 0.227251

Conc: 0.227251



File Uploaded By: wrd
Manual Integration Reason: Baseline event

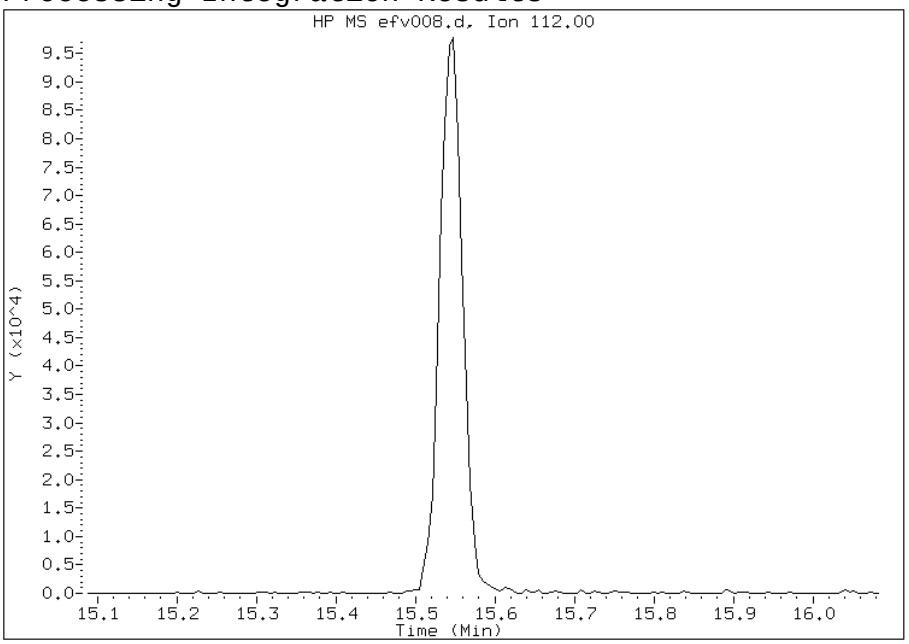
Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



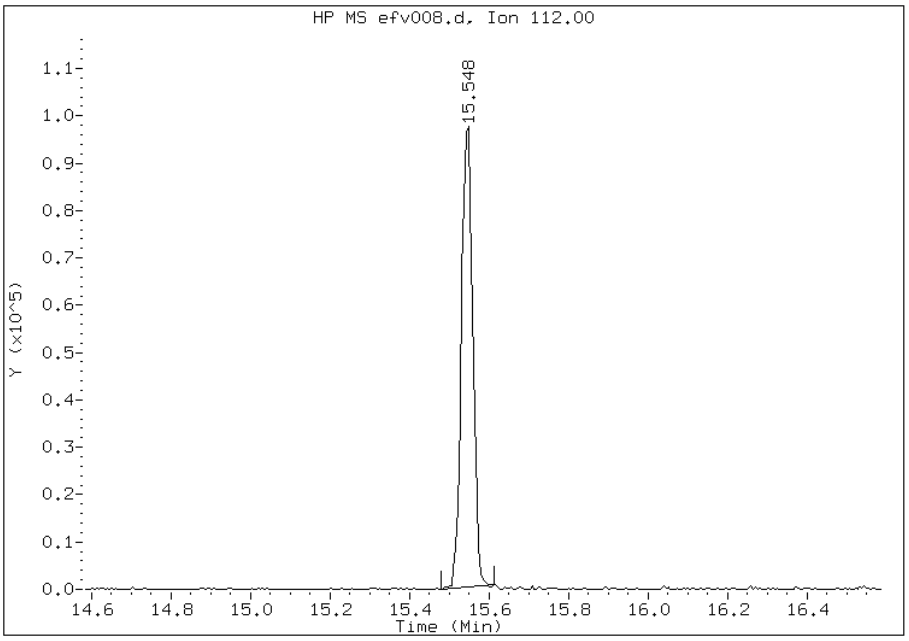
Manual Integration Results

RT: 15.55

Response: 197150

Amount: 0.206993

Conc: 0.206993



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv008.d
Lab Sample ID: icis 495526
Inj. Date and Time: 04-JUN-2013 15:32
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

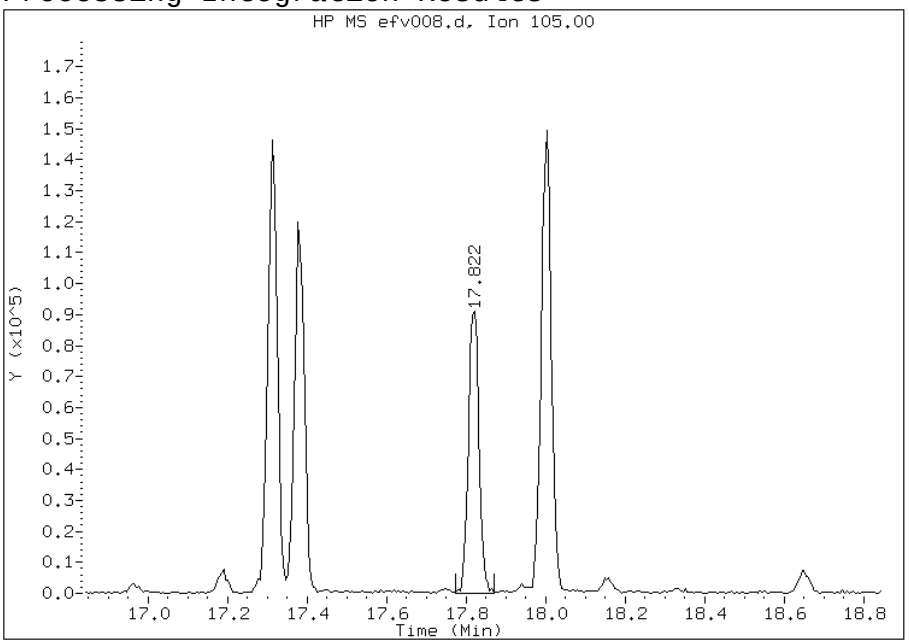
Processing Integration Results

RT: 17.82

Response: 173194

Amount: 0.232380

Conc: 0.232380



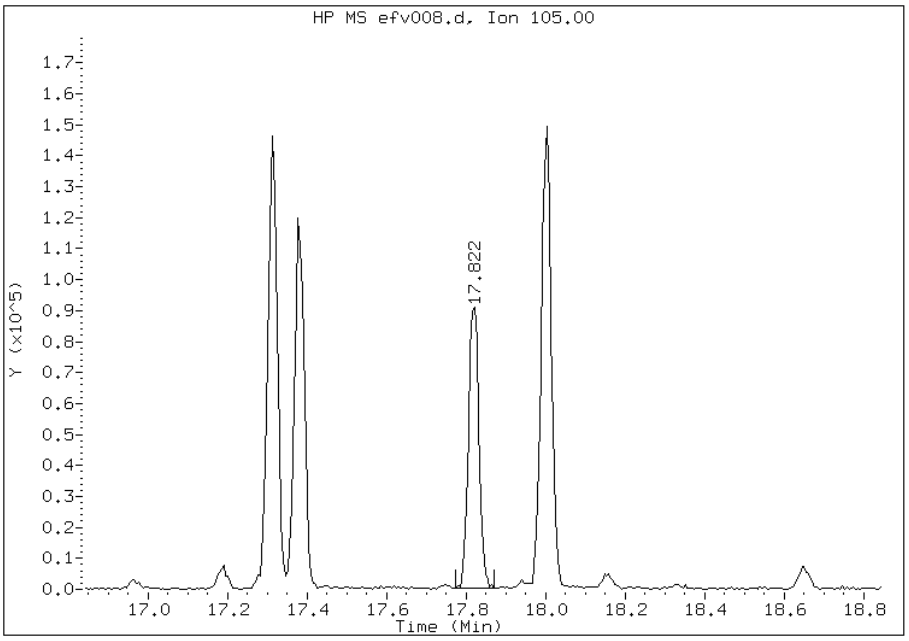
Manual Integration Results

RT: 17.82

Response: 171039

Amount: 0.180393

Conc: 0.180393



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv009.d
Lab Smp Id: ic 495526
Inj Date : 04-JUN-2013 16:28
Operator : wrd Inst ID: E.i
Smp Info : ic 495526
Misc Info : 500,1,level 06
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 16:28 Cal File: efv009.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	511068	0.50000	0.46
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	442933	0.50000	0.48
5 Chloromethane	50	3.527	3.543	(0.355)	87303	0.50000	0.52(QM)
7 Vinyl chloride	62	3.747	3.746	(0.377)	107828	0.50000	0.48
8 1,3-Butadiene	54	3.805	3.805	(0.383)	67850	0.50000	0.44
9 Bromomethane	94	4.410	4.415	(0.444)	153736	0.50000	0.47
10 Chloroethane	64	4.624	4.618	(0.466)	53499	0.50000	0.42
12 Vinyl bromide	106	4.998	4.993	(0.504)	177198	0.50000	0.46
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	614315	0.50000	0.50
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	383470	0.50000	0.49
19 1,1-Dichloroethene	96	6.288	6.282	(0.633)	155227	0.50000	0.45
22 Allyl chloride	41	7.074	7.074	(0.713)	143634	0.50000	0.47
25 Methylene chloride	49	7.368	7.368	(0.742)	168425	0.50000	0.53
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	225430	0.50000	0.47

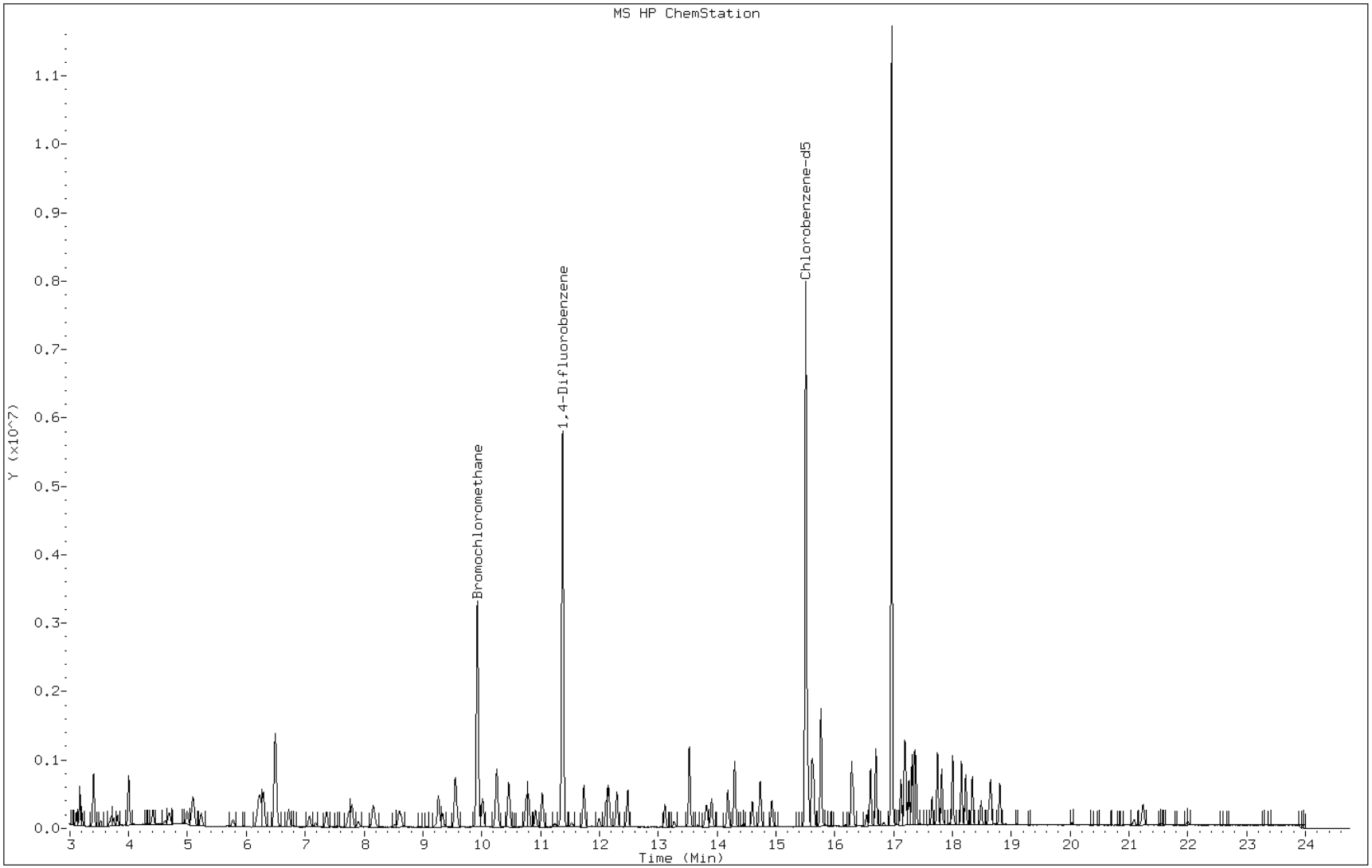
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	415958	0.50000	0.51
	30 n-Hexane	57	8.160	8.155	(0.822)	203609	0.50000	0.46
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	293299	0.50000	0.50
M	33 1,2-Dichloroethene, Total	61				394392	1.00000	0.96
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	168962	0.50000	0.49
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1235022	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	417481	0.50000	0.49
	40 Cyclohexane	84	10.257	10.252	(0.902)	215684	0.50000	0.48
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	517009	0.50000	0.49
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	587423	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	631114	0.50000	0.52
	44 Benzene	78	10.803	10.797	(0.950)	470759	0.50000	0.46
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	269730	0.50000	0.52
	46 n-Heptane	43	11.027	11.033	(0.969)	239747	0.50000	0.50
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6144295	2.00000	
	49 Trichloroethene	95	11.728	11.734	(1.031)	241749	0.50000	0.48
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	158513	0.50000	0.51
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	436607	0.50000	0.51
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	235698	0.50000	0.53
	58 Toluene	92	13.536	13.536	(0.873)	352398	0.50000	0.51
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	245743	0.50000	0.56
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	170205	0.50000	0.48
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	387060	0.50000	0.48
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	449313	0.50000	0.51
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	313539	0.50000	0.52
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5644014	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	510309	0.50000	0.51(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	791112	0.50000	0.53
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	616455	1.00000	1.1
M	70 Xylene, Total	106				907555	1.50000	1.7
	71 Xylene (o)	106	16.286	16.281	(1.050)	291100	0.50000	0.55
	73 Bromoform	173	16.607	16.607	(1.071)	458901	0.50000	0.56
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	312547	0.50000	0.56
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	731034	0.50000	0.64
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	592477	0.50000	0.63
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	518829	0.50000	0.52(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv009.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 495526
Lab Sample ID: ic 495526

Date: 04-JUN-2013 16:28
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

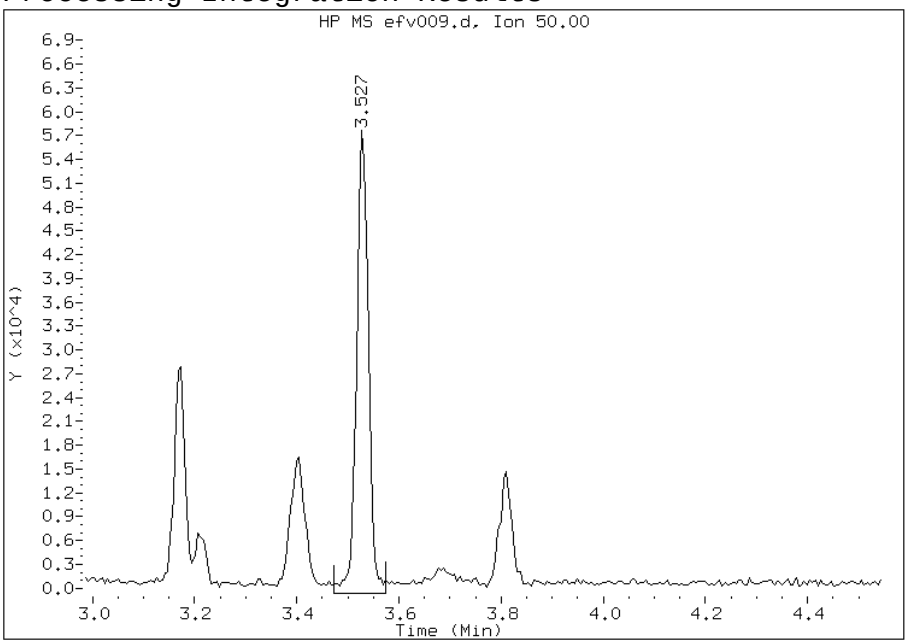
Processing Integration Results

RT: 3.53

Response: 96801

Amount: 0.496524

Conc: 0.496524



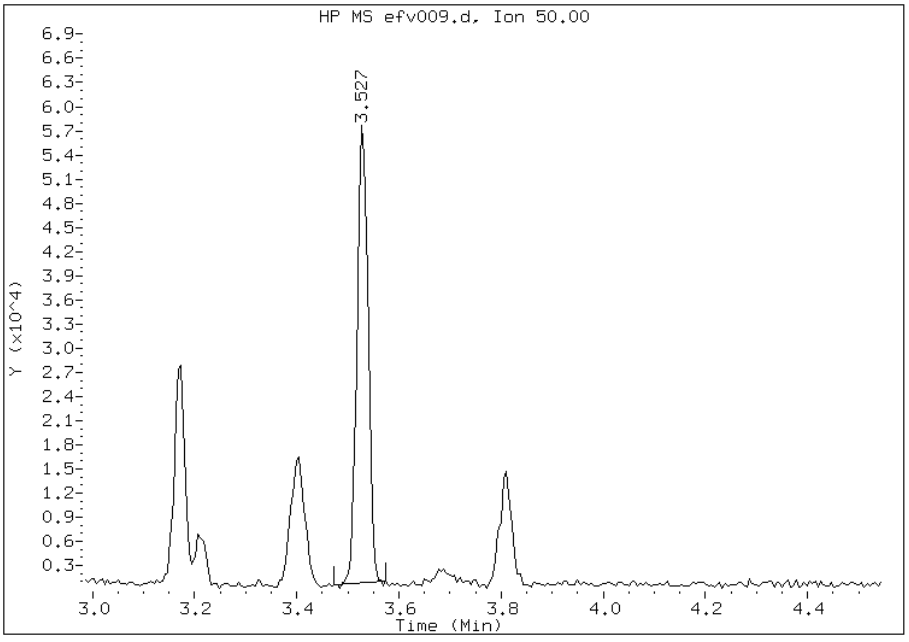
Manual Integration Results

RT: 3.53

Response: 87303

Amount: 0.520156

Conc: 0.520156



File Uploaded By: wrd
Manual Integration Reason: Baseline event

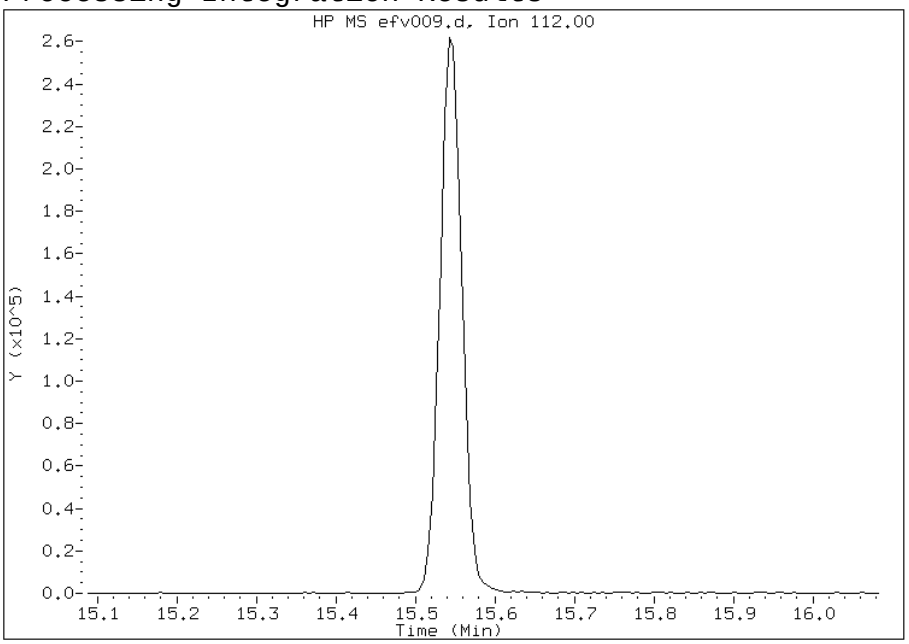
Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



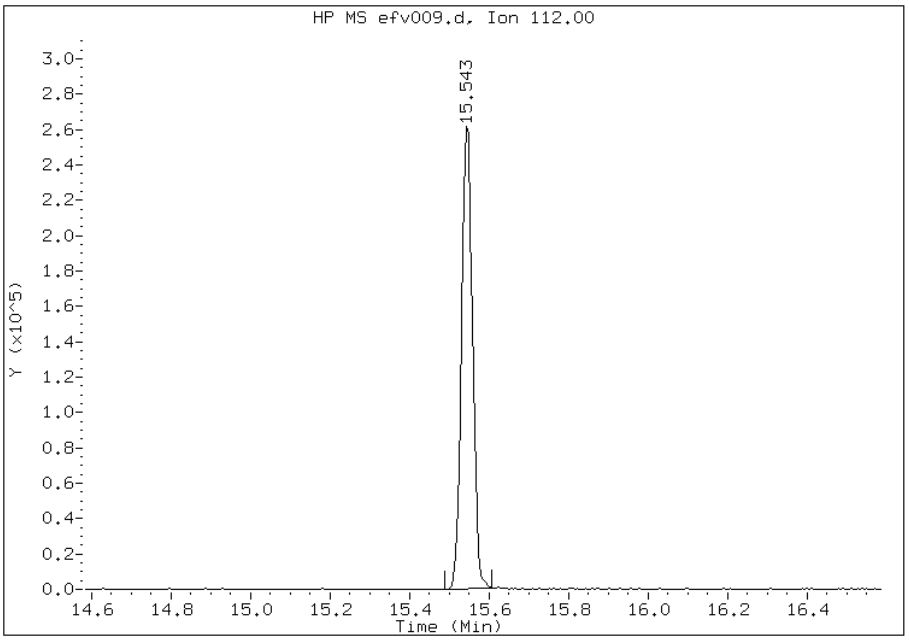
Manual Integration Results

RT: 15.54

Response: 510309

Amount: 0.514180

Conc: 0.514180



File Uploaded By: wrd
Manual Integration Reason: Baseline event

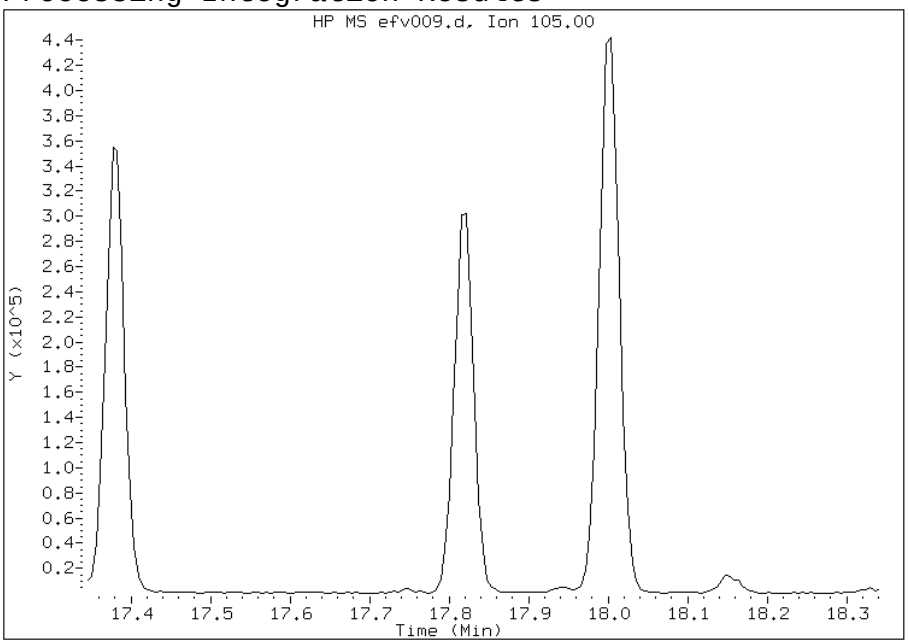
Manual Integration Report

Data File: efv009.d
Lab Sample ID: ic 495526
Inj. Date and Time: 04-JUN-2013 16:28
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



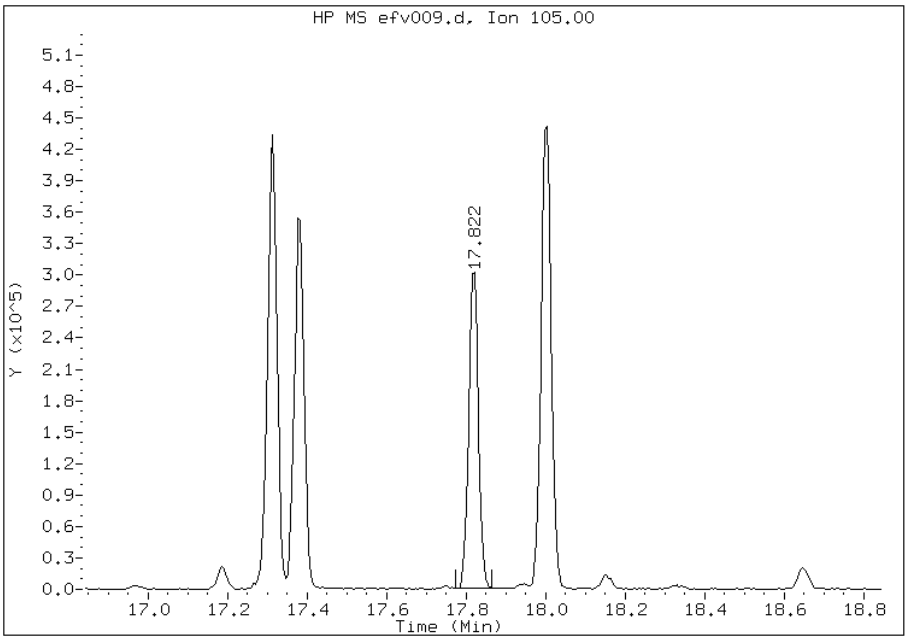
Manual Integration Results

RT: 17.82

Response: 518829

Amount: 0.525137

Conc: 0.525137



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv010.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 17:24
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 187,1,level 07
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 17:24 Cal File: efv010.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	187.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	770471	0.75000	0.67
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	666933	0.75000	0.68
5 Chloromethane	50	3.532	3.543	(0.356)	126886	0.75000	0.72(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	171820	0.75000	0.72
8 1,3-Butadiene	54	3.811	3.805	(0.384)	104843	0.75000	0.65
9 Bromomethane	94	4.415	4.415	(0.445)	229587	0.75000	0.66
10 Chloroethane	64	4.618	4.618	(0.465)	82144	0.75000	0.62
12 Vinyl bromide	106	4.998	4.993	(0.504)	258989	0.75000	0.64
13 Trichlorofluoromethane	101	5.094	5.095	(0.513)	919423	0.75000	0.71
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	580063	0.75000	0.71
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	235296	0.75000	0.65
22 Allyl chloride	41	7.079	7.074	(0.713)	194460	0.75000	0.61
25 Methylene chloride	49	7.363	7.368	(0.742)	221191	0.75000	0.66
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	324248	0.75000	0.65

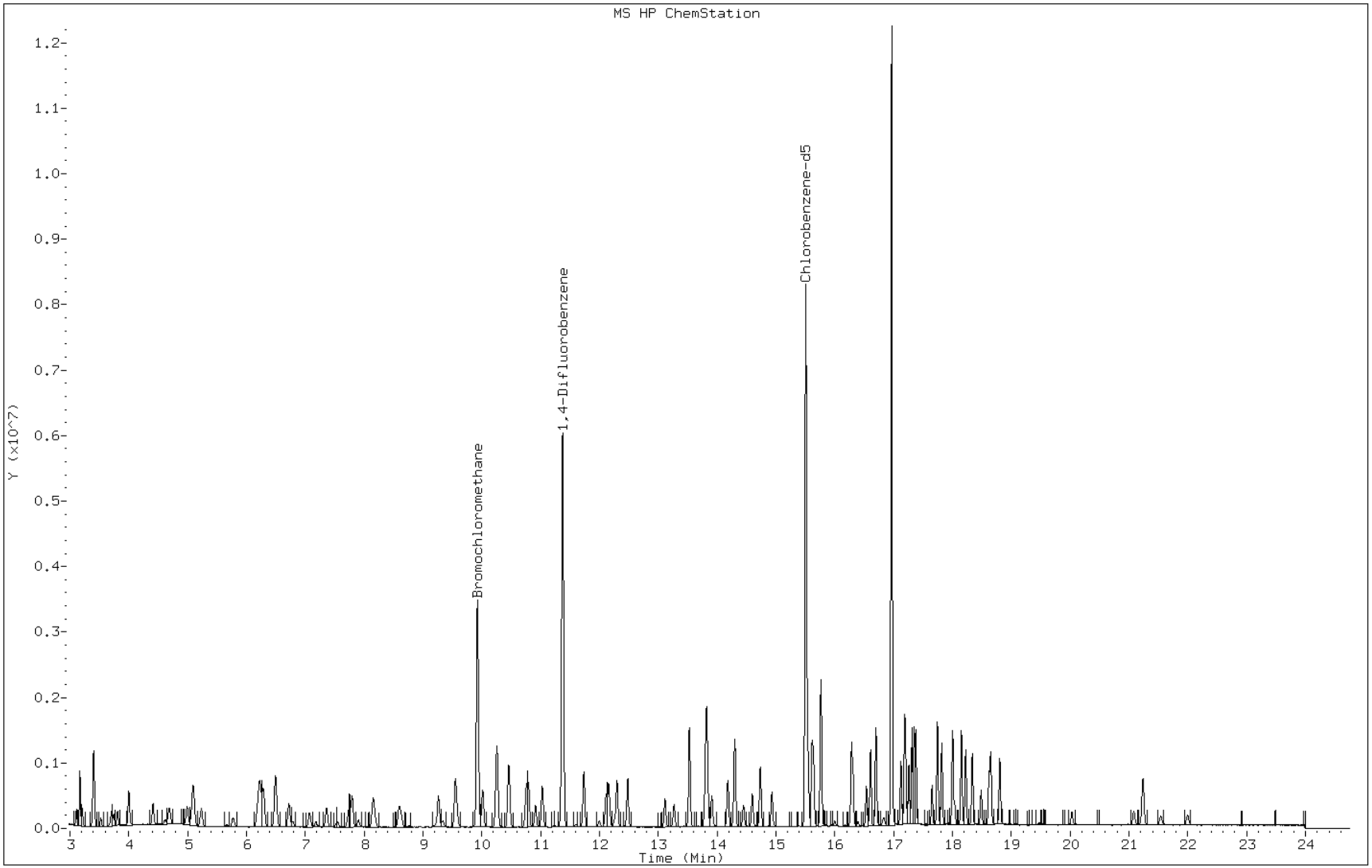
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	550313	0.75000	0.64
	30 n-Hexane	57	8.154	8.155	(0.822)	302419	0.75000	0.65
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	409694	0.75000	0.67
M	33 1,2-Dichloroethene, Total	61				560747	1.50000	1.3
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	236499	0.75000	0.65
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1299761	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	584267	0.75000	0.65
	40 Cyclohexane	84	10.262	10.252	(0.902)	333595	0.75000	0.71
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	746651	0.75000	0.67
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	890458	0.75000	0.70
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	917834	0.75000	0.72
	44 Benzene	78	10.797	10.797	(0.949)	651034	0.75000	0.61
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	356455	0.75000	0.66
	46 n-Heptane	43	11.033	11.033	(0.970)	301680	0.75000	0.61
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6424173	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	337390	0.75000	0.65
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	211321	0.75000	0.65(Q)
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	588225	0.75000	0.66
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	313922	0.75000	0.68
	58 Toluene	92	13.531	13.536	(0.873)	459864	0.75000	0.63
	59 1,3-Dichloropropene (trans)	75	13.916	13.916	(1.223)	315919	0.75000	0.68
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	227397	0.75000	0.61
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	558377	0.75000	0.66
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	627578	0.75000	0.68
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	436523	0.75000	0.68
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5944660	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	688019	0.75000	0.66(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1022146	0.75000	0.65
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	824807	1.50000	1.4
M	70 Xylene, Total	106				1220548	2.25000	2.2
	71 Xylene (o)	106	16.281	16.281	(1.050)	395741	0.75000	0.72
	73 Bromoform	173	16.607	16.607	(1.071)	630683	0.75000	0.74
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	462255	0.75000	0.79
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1025913	0.75000	0.86
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	860200	0.75000	0.87
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	788911	0.75000	0.76(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv010.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 17:24
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



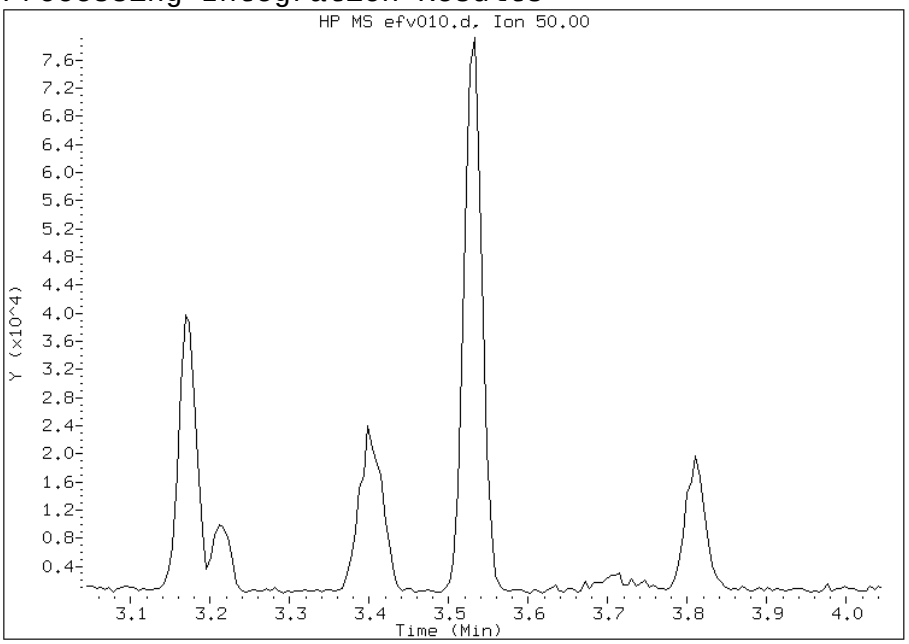
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



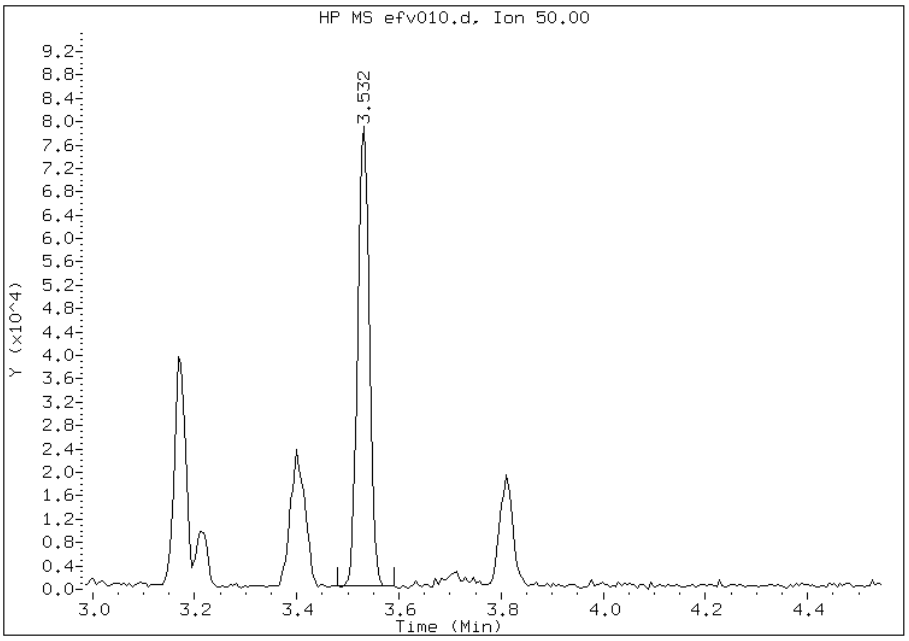
Manual Integration Results

RT: 3.53

Response: 126886

Amount: 0.718339

Conc: 0.718339



File Uploaded By: wrd
Manual Integration Reason: Baseline event

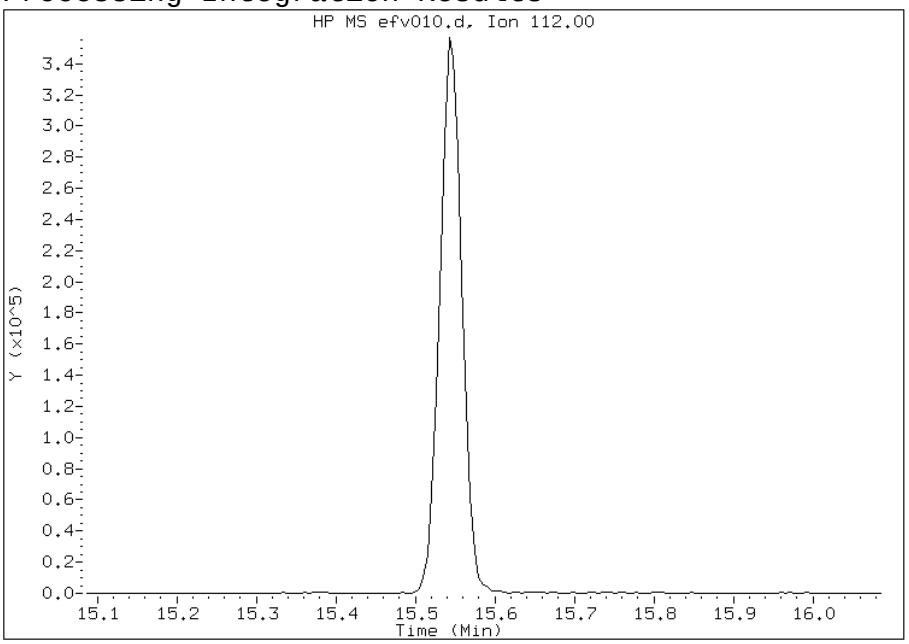
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



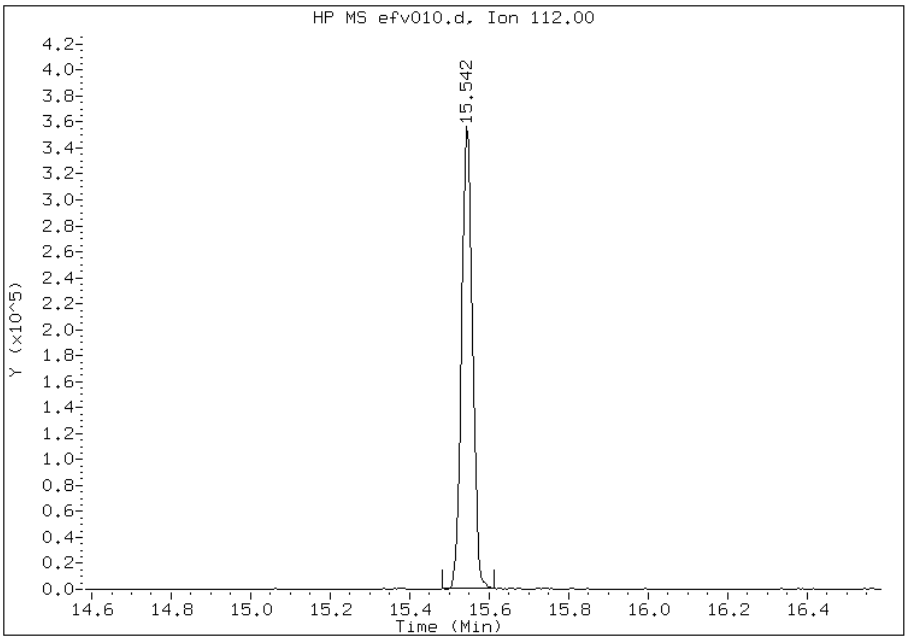
Manual Integration Results

RT: 15.54

Response: 688019

Amount: 0.658178

Conc: 0.658178



File Uploaded By: wrd
Manual Integration Reason: Baseline event

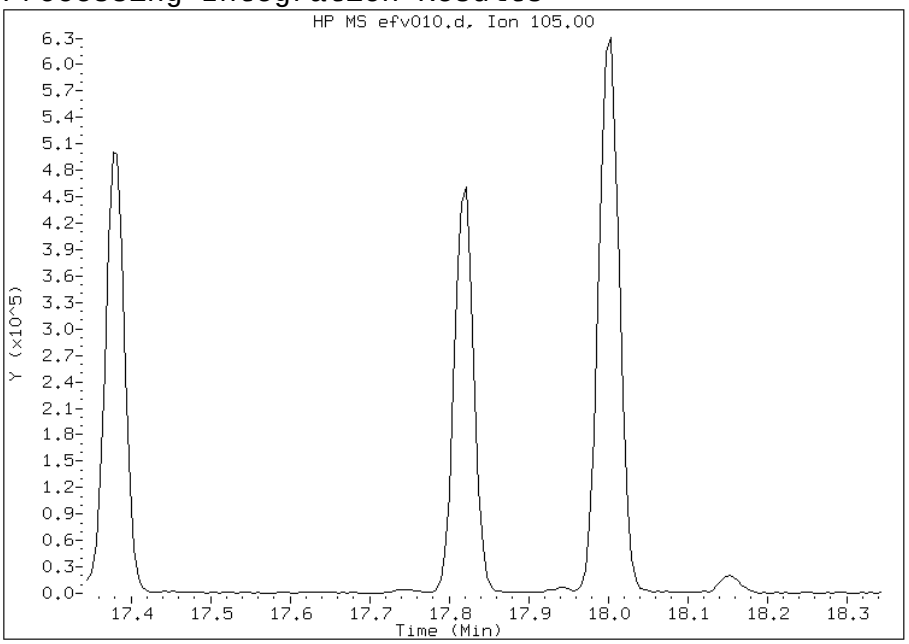
Manual Integration Report

Data File: efv010.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 17:24
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



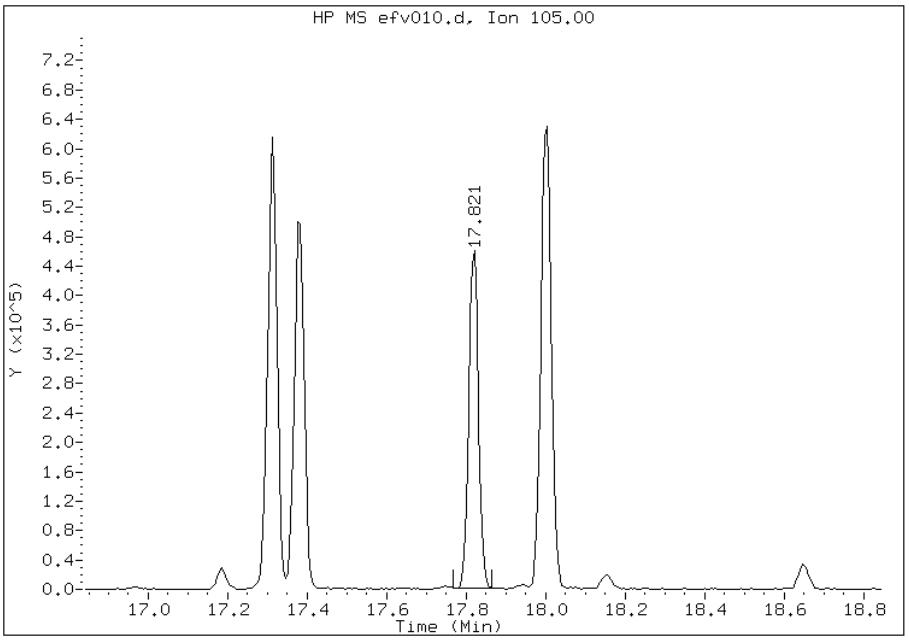
Manual Integration Results

RT: 17.82

Response: 788911

Amount: 0.758120

Conc: 0.758120



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv011.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 18:19
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 250,1,level 08
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 18:19 Cal File: efv011.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	250.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	1050459	1.00000	0.86
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	946149	1.00000	0.92
5 Chloromethane	50	3.532	3.543	(0.356)	173634	1.00000	0.93(QM)
7 Vinyl chloride	62	3.746	3.746	(0.377)	234302	1.00000	0.93
8 1,3-Butadiene	54	3.811	3.805	(0.384)	142807	1.00000	0.84
9 Bromomethane	94	4.415	4.415	(0.445)	316644	1.00000	0.87
10 Chloroethane	64	4.618	4.618	(0.465)	111692	1.00000	0.80
12 Vinyl bromide	106	4.993	4.993	(0.503)	356408	1.00000	0.84
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	1282830	1.00000	0.94
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	836754	1.00000	0.97
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	352755	1.00000	0.93
22 Allyl chloride	41	7.079	7.074	(0.713)	281189	1.00000	0.84
25 Methylene chloride	49	7.363	7.368	(0.742)	316737	1.00000	0.89
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	476484	1.00000	0.90

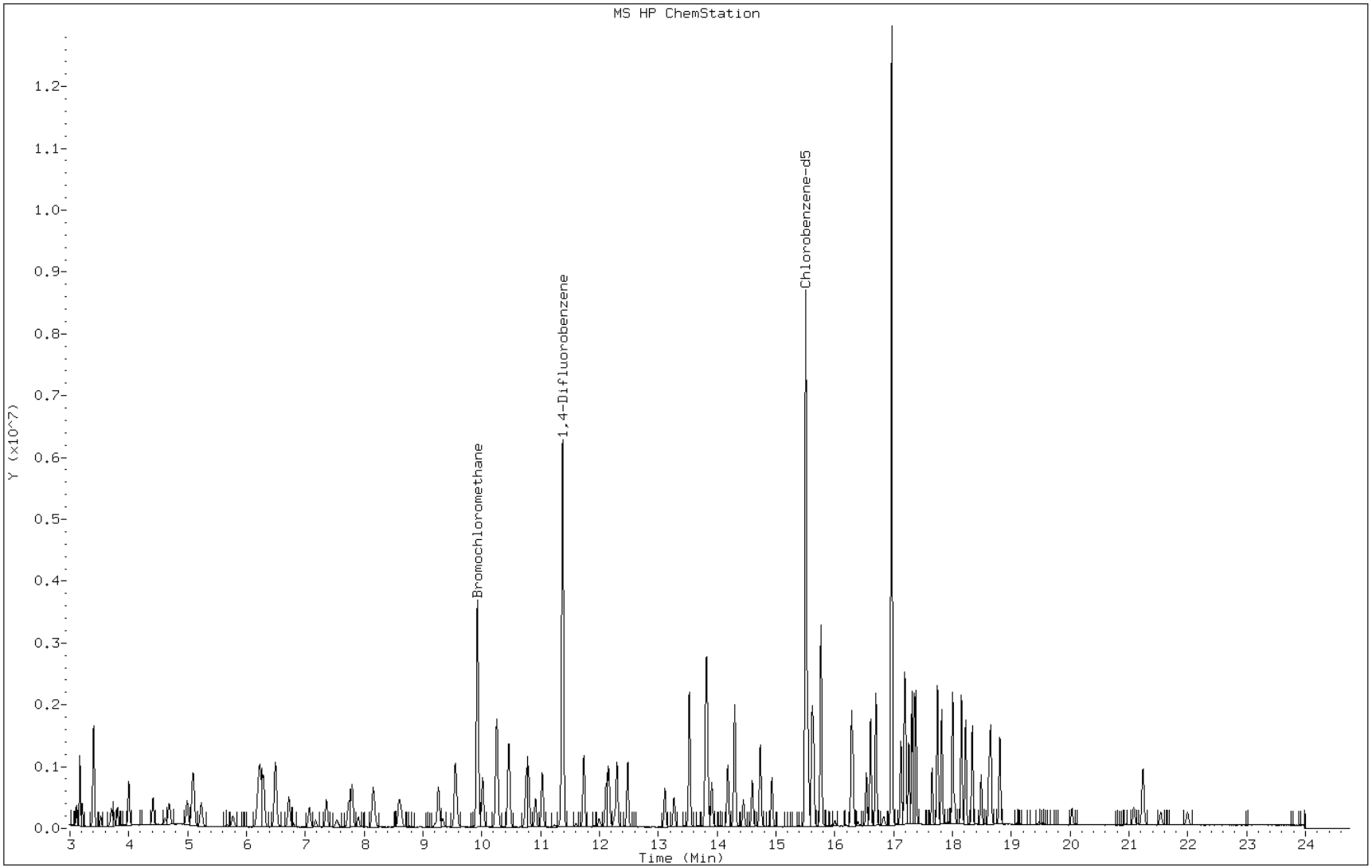
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	787815	1.00000	0.88
	30 n-Hexane	57	8.155	8.155	(0.822)	439613	1.00000	0.89
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	574716	1.00000	0.89
M	33 1,2-Dichloroethene, Total	61				826230	2.00000	1.8
	34 1,2-Dichloroethene (cis)	96	9.545	9.546	(0.962)	349746	1.00000	0.92
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1369170	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	814662	1.00000	0.87
	40 Cyclohexane	84	10.257	10.252	(0.902)	484105	1.00000	0.97
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1053984	1.00000	0.90
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1271748	1.00000	0.95
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	1293860	1.00000	0.96
	44 Benzene	78	10.797	10.797	(0.949)	925807	1.00000	0.83
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	501777	1.00000	0.88
	46 n-Heptane	43	11.027	11.033	(0.969)	426467	1.00000	0.81
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6784312	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	479172	1.00000	0.87
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	294402	1.00000	0.85
	54 Bromodichloromethane	83	12.482	12.483	(1.097)	853782	1.00000	0.90
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	453707	1.00000	0.93
	58 Toluene	92	13.531	13.536	(0.873)	665739	1.00000	0.87
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	475095	1.00000	0.97
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	327325	1.00000	0.83
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	826667	1.00000	0.93
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	926369	1.00000	0.95
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	638007	1.00000	0.95
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6286450	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	998035	1.00000	0.90(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	1506425	1.00000	0.91
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	1186848	2.00000	2.0
M	70 Xylene, Total	106				1771185	3.00000	3.0
	71 Xylene (o)	106	16.286	16.281	(1.050)	584337	1.00000	1.00
	73 Bromoform	173	16.607	16.607	(1.071)	959494	1.00000	1.0(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	666517	1.00000	1.1(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	1530568	1.00000	1.2(A)
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	1308318	1.00000	1.2(A)
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	1198361	1.00000	1.1(QM)

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: efv011.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 18:19
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

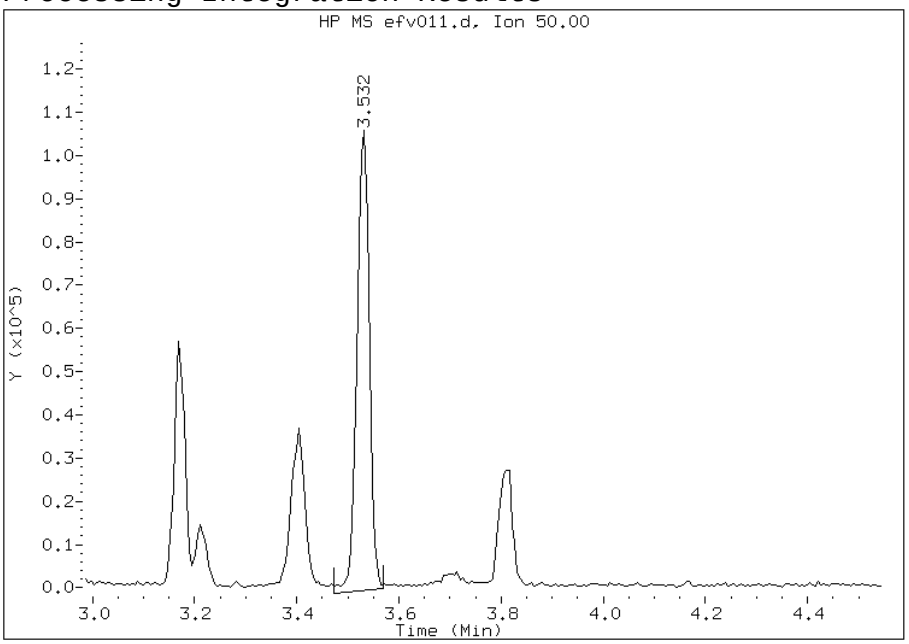
Processing Integration Results

RT: 3.53

Response: 182859

Amount: 0.925007

Conc: 0.925007



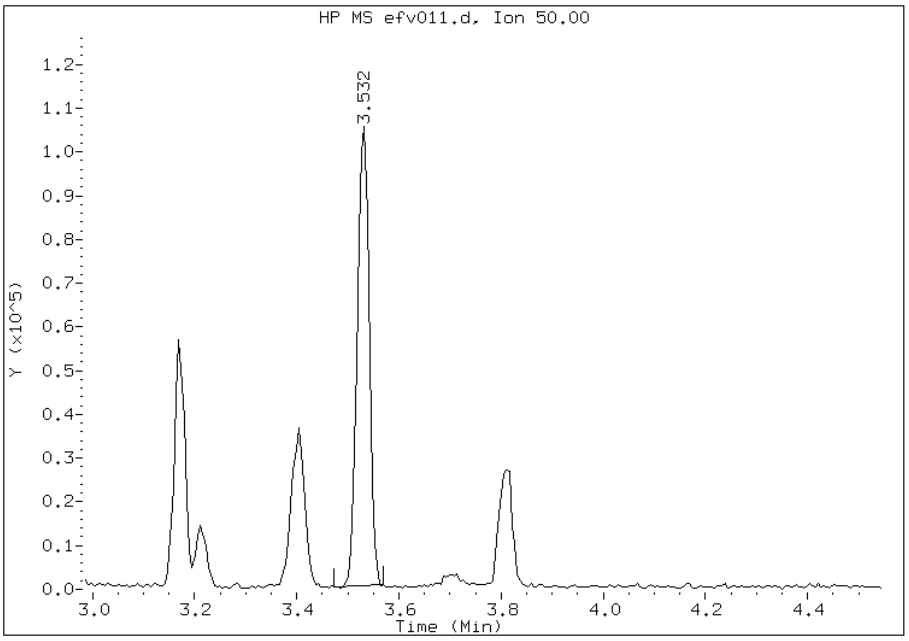
Manual Integration Results

RT: 3.53

Response: 173634

Amount: 0.933160

Conc: 0.933160



File Uploaded By: wrd
Manual Integration Reason: Baseline event

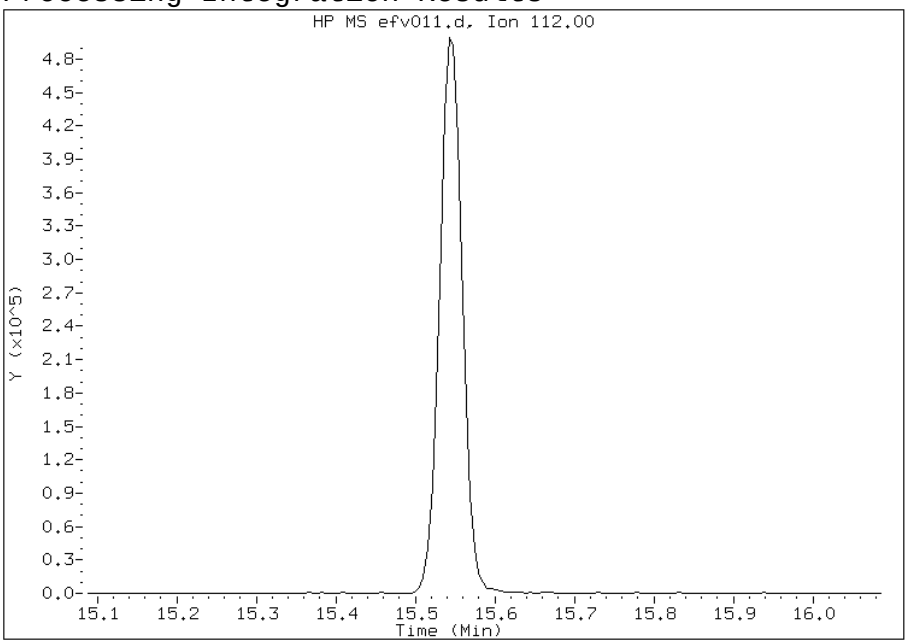
Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



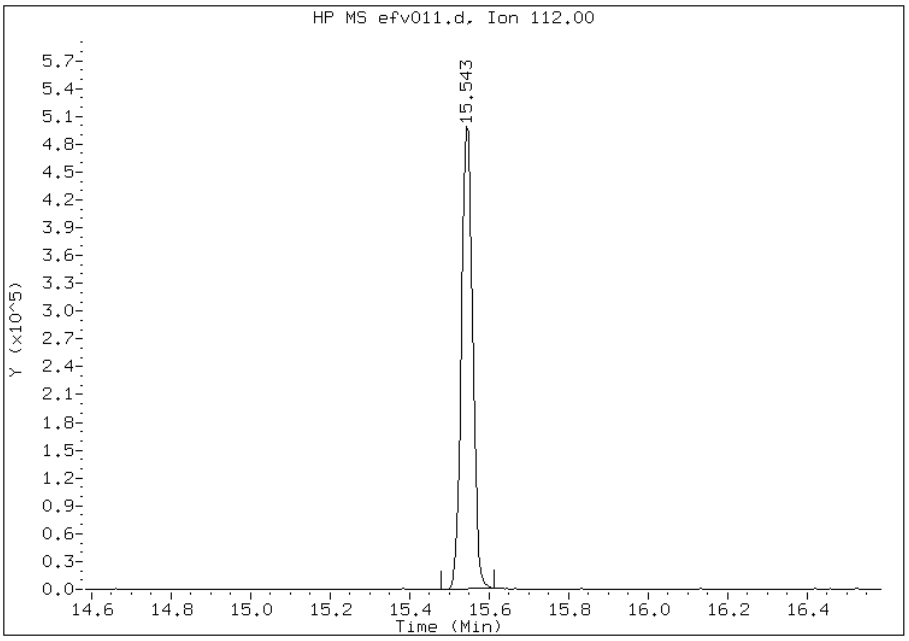
Manual Integration Results

RT: 15.54

Response: 998035

Amount: 0.902838

Conc: 0.902838



File Uploaded By: wrd
Manual Integration Reason: Baseline event

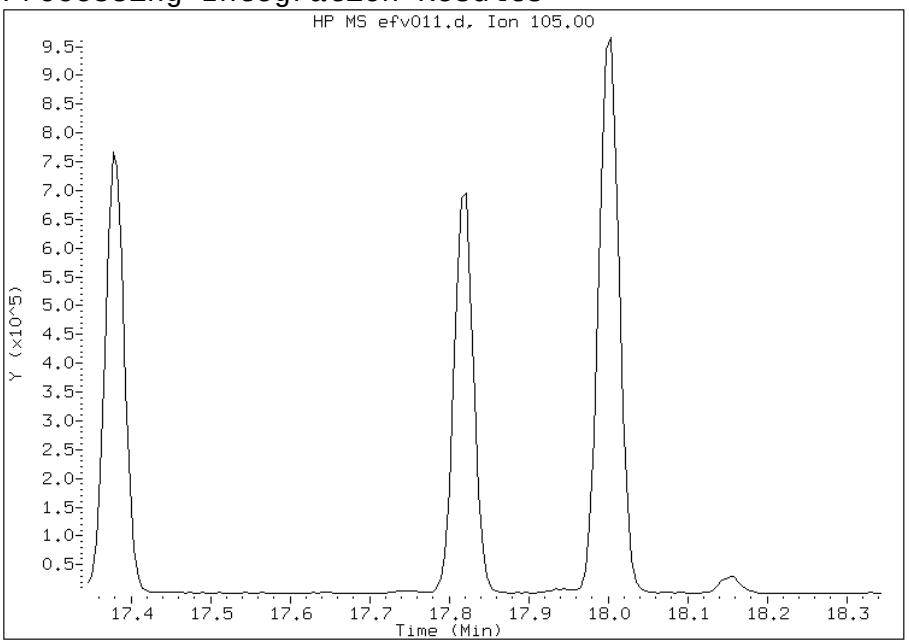
Manual Integration Report

Data File: efv011.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 18:19
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



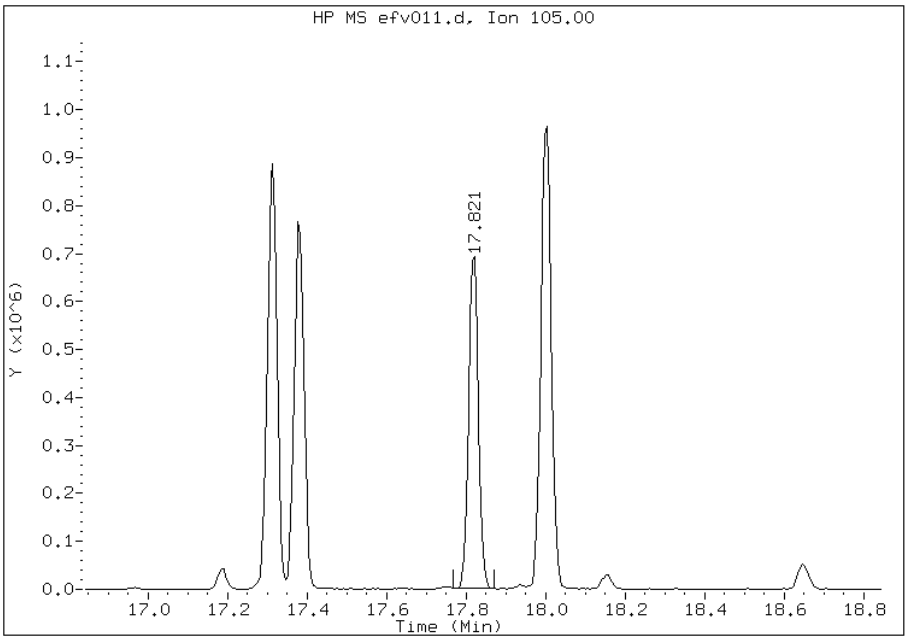
Manual Integration Results

RT: 17.82

Response: 1198361

Amount: 1.09

Conc: 1.09



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv012.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 19:14
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 375,1,level 09
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:27 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 19:14 Cal File: efv012.d
Als bottle: 4 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	375.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

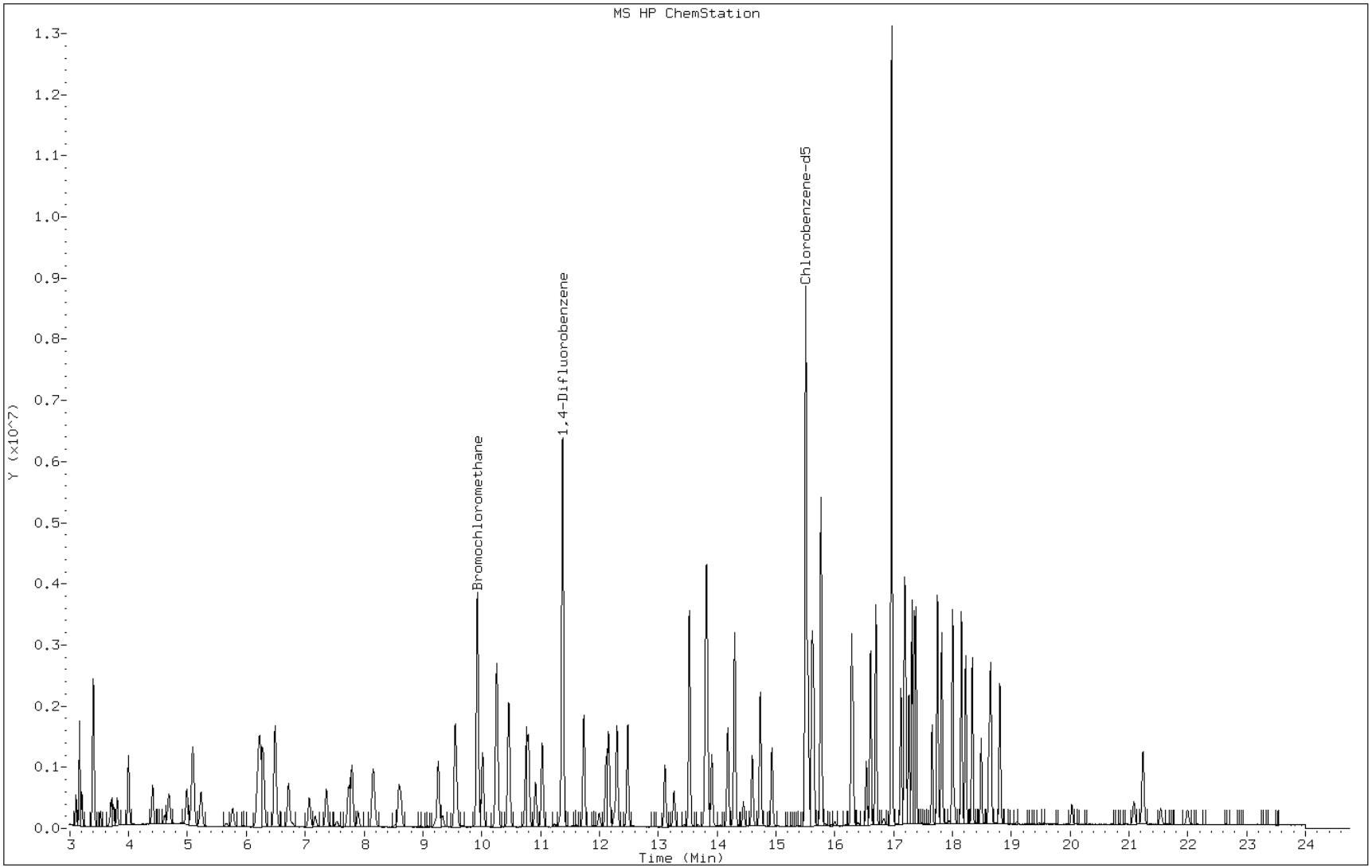
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.163	3.174	(0.319)	1574307	1.50000	1.2(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1388458	1.50000	1.3(A)
5 Chloromethane	50	3.522	3.543	(0.355)	253795	1.50000	1.3(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	348436	1.50000	1.3(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	214949	1.50000	1.2(A)
9 Bromomethane	94	4.410	4.415	(0.444)	468944	1.50000	1.2(A)
10 Chloroethane	64	4.618	4.618	(0.465)	163041	1.50000	1.1(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	539658	1.50000	1.2(A)
13 Trichlorofluoromethane	101	5.089	5.095	(0.513)	1908310	1.50000	1.3(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1243944	1.50000	1.4(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	529476	1.50000	1.3(A)
22 Allyl chloride	41	7.069	7.074	(0.712)	424684	1.50000	1.2(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	452079	1.50000	1.2
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	704308	1.50000	1.3(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1274502	1.50000	1.4(A)
	30 n-Hexane	57	8.155	8.155	(0.822)	666501	1.50000	1.3(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	892271	1.50000	1.3(A)
M	33 1,2-Dichloroethene, Total	61				1255434	3.00000	2.7
	34 1,2-Dichloroethene (cis)	96	9.540	9.546	(0.961)	551126	1.50000	1.4(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1426157	2.00000	
	39 Chloroform	83	10.016	10.011	(1.009)	1287466	1.50000	1.3(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	736289	1.50000	1.4(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	1634183	1.50000	1.3(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	1943726	1.50000	1.4(A)
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.945)	2031124	1.50000	1.5(A)
	44 Benzene	78	10.797	10.797	(0.949)	1483991	1.50000	1.3(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	785845	1.50000	1.3(A)
	46 n-Heptane	43	11.027	11.033	(0.969)	656639	1.50000	1.2(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7009052	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	748607	1.50000	1.3(A)
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	469701	1.50000	1.3(AQ)
	54 Bromodichloromethane	83	12.483	12.483	(1.097)	1361618	1.50000	1.4(A)
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	753073	1.50000	1.5(A)
	58 Toluene	92	13.536	13.536	(0.873)	1092910	1.50000	1.4(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	795783	1.50000	1.6(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	532729	1.50000	1.3(A)
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	1351649	1.50000	1.4(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	1518433	1.50000	1.5(A)
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	1081788	1.50000	1.5(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6550134	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	1635274	1.50000	1.4(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	2484748	1.50000	1.4(A)
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	2009783	3.00000	3.2(A)
M	70 Xylene, Total	106				2985389	4.50000	4.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	975606	1.50000	1.6(A)
	73 Bromoform	173	16.607	16.607	(1.071)	1615665	1.50000	1.7(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1086255	1.50000	1.7(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	2619243	1.50000	2.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	2172328	1.50000	2.0(A)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	2031249	1.50000	1.8(QM)

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:	efv012.d	Date:	04-JUN-2013 19:14
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 487974		
Lab Sample ID:	ic 487974		



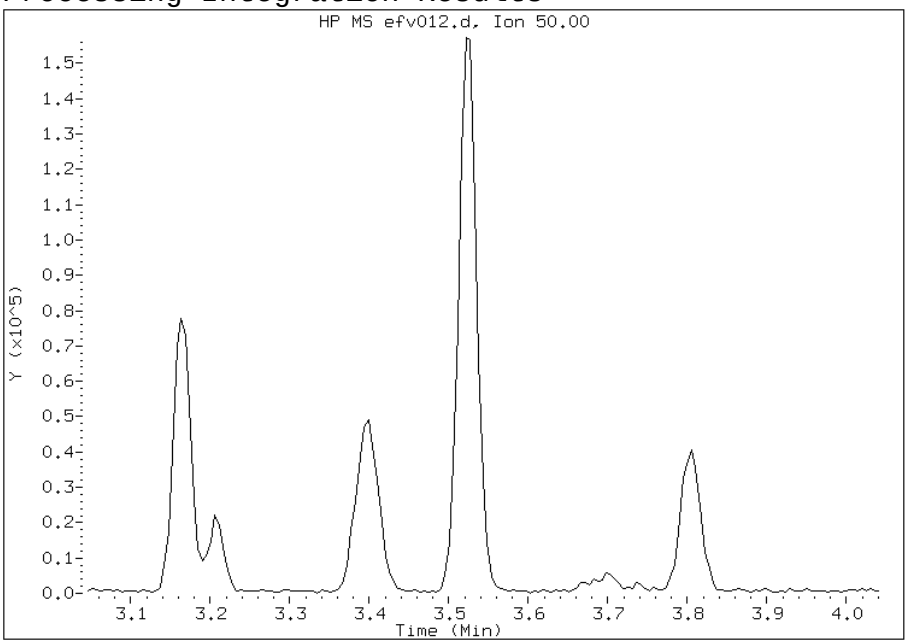
Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



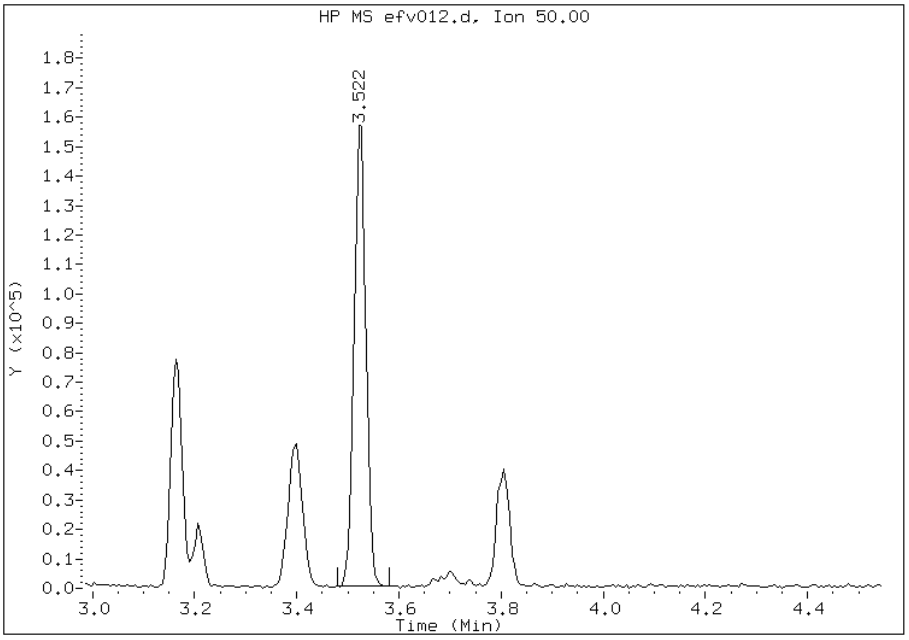
Manual Integration Results

RT: 3.52

Response: 253795

Amount: 1.31

Conc: 1.31



File Uploaded By: wrd
Manual Integration Reason: Baseline event

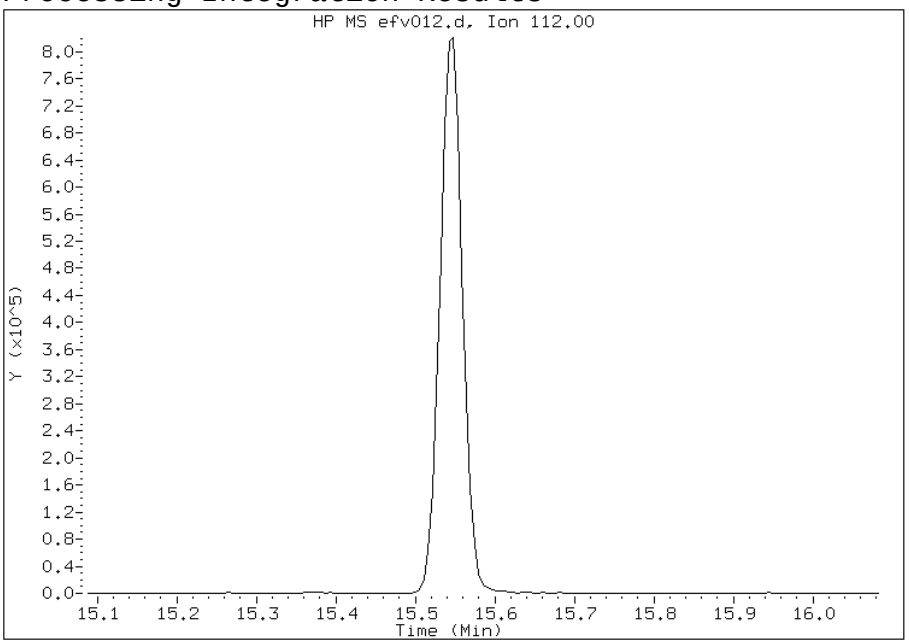
Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



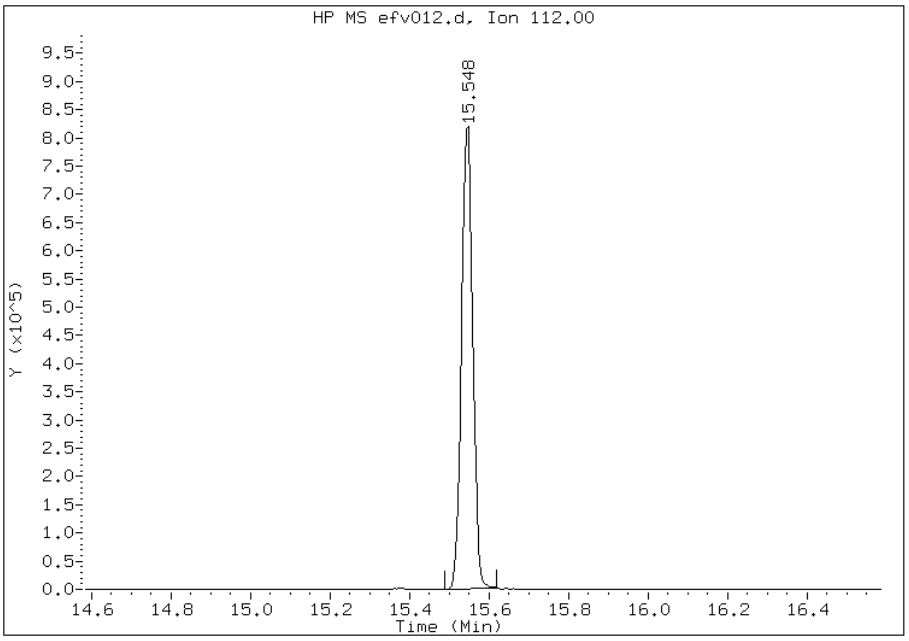
Manual Integration Results

RT: 15.55

Response: 1635274

Amount: 1.42

Conc: 1.42



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv012.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 19:14
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

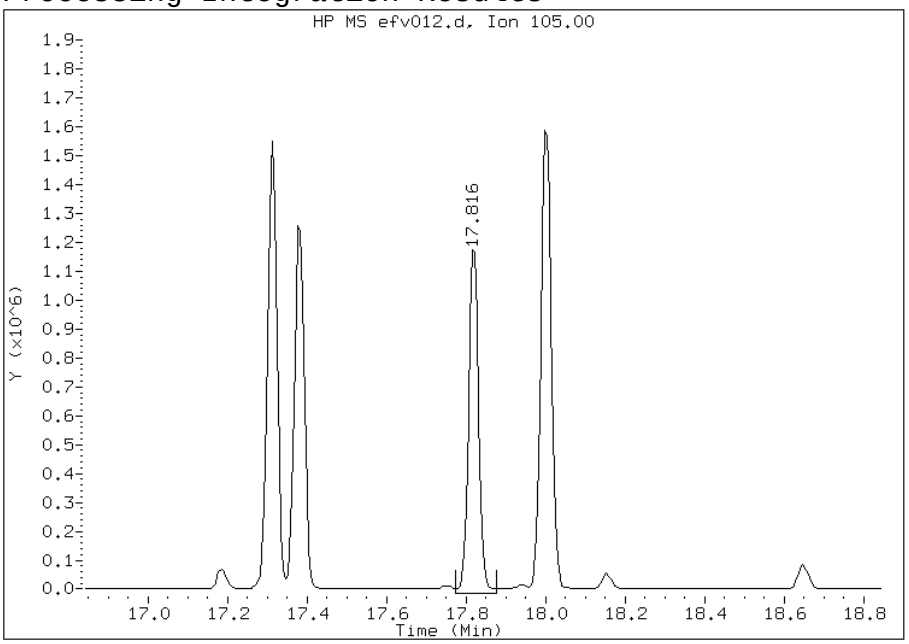
Processing Integration Results

RT: 17.82

Response: 2140283

Amount: 1.94

Conc: 1.94



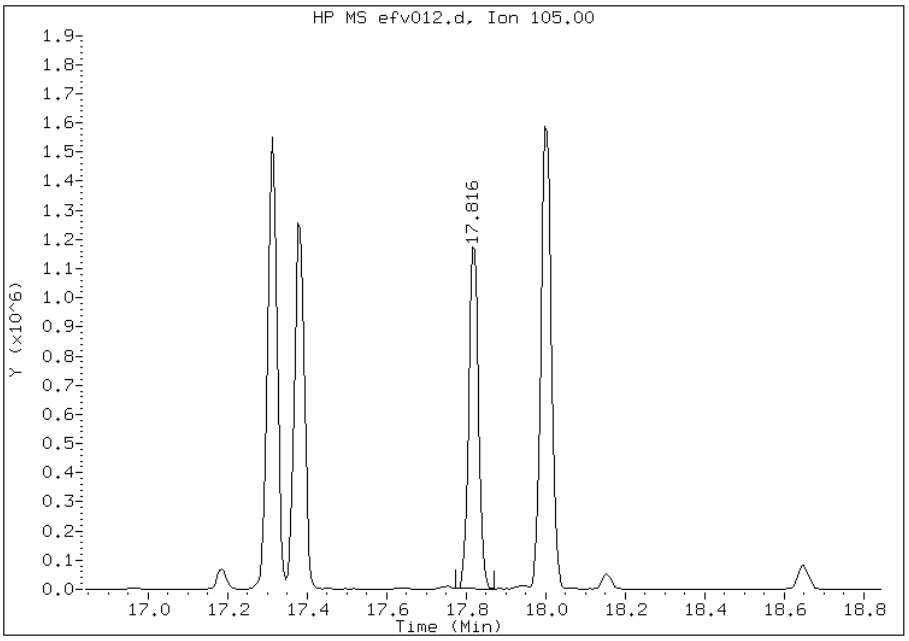
Manual Integration Results

RT: 17.82

Response: 2031249

Amount: 1.77

Conc: 1.77



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv013.d
Lab Smp Id: ic 487974
Inj Date : 04-JUN-2013 20:10
Operator : wrd Inst ID: E.i
Smp Info : ic 487974
Misc Info : 500,1,level 010
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	2091728	2.00000	1.6(A)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	1857016	2.00000	1.7(A)
5 Chloromethane	50	3.527	3.543	(0.355)	338245	2.00000	1.7(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	466675	2.00000	1.8(A)
8 1,3-Butadiene	54	3.805	3.805	(0.383)	285253	2.00000	1.6(A)
9 Bromomethane	94	4.410	4.415	(0.444)	624722	2.00000	1.6(A)
10 Chloroethane	64	4.619	4.618	(0.465)	217901	2.00000	1.5(A)
12 Vinyl bromide	106	4.993	4.993	(0.503)	738987	2.00000	1.6(A)
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	2595012	2.00000	1.8(A)
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.223	6.223	(0.627)	1716632	2.00000	1.9(A)
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	727151	2.00000	1.8(A)
22 Allyl chloride	41	7.074	7.074	(0.713)	572256	2.00000	1.6(A)
25 Methylene chloride	49	7.363	7.368	(0.742)	601453	2.00000	1.6
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	956684	2.00000	1.7(A)

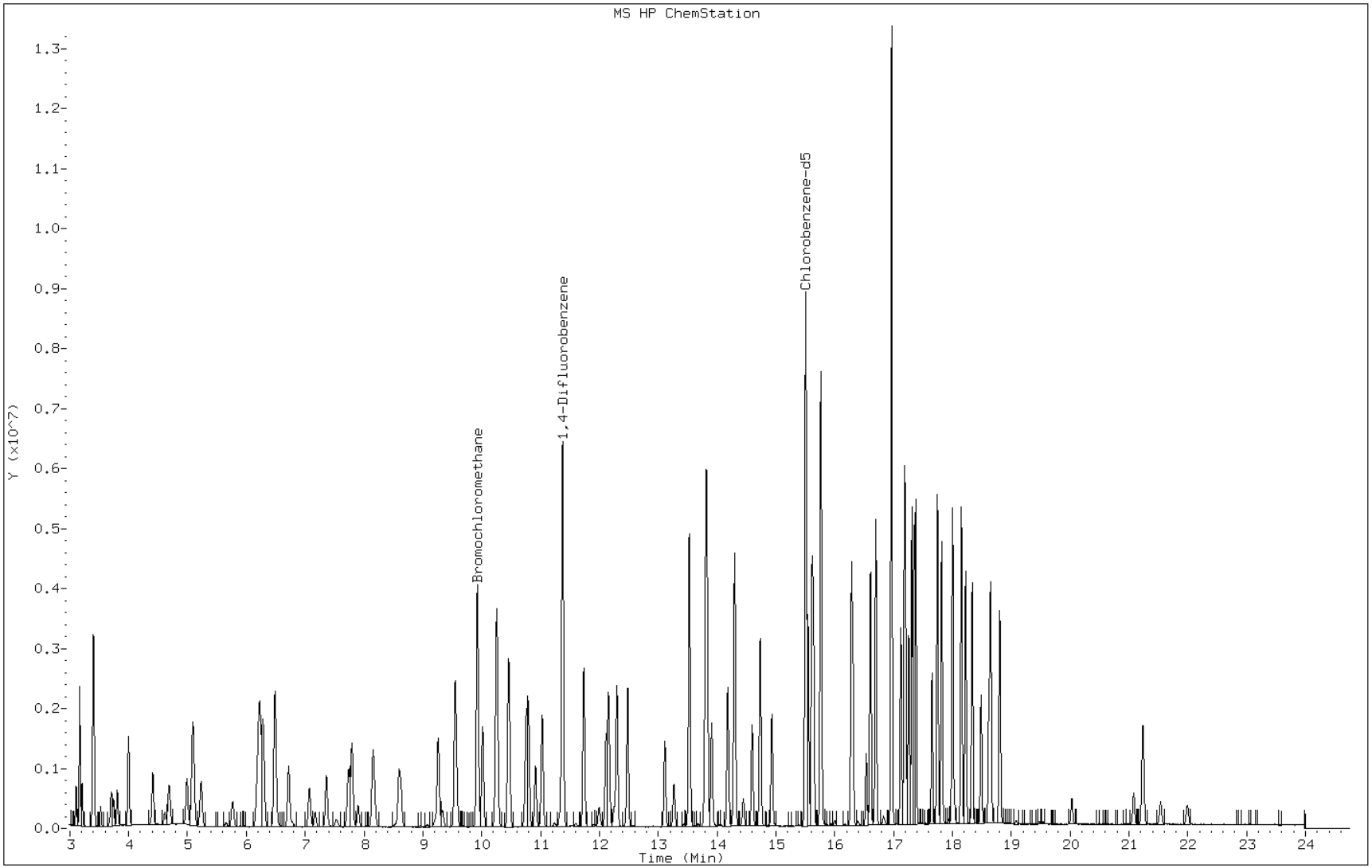
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	1829028	2.00000	1.9(A)
	30 n-Hexane	57	8.149	8.155	(0.821)	898587	2.00000	1.7(A)
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	1209262	2.00000	1.8(A)
M	33 1,2-Dichloroethene, Total	61				1735570	4.00000	3.7
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	778886	2.00000	1.9(A)
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1439442	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	1778083	2.00000	1.8(A)
	40 Cyclohexane	84	10.257	10.252	(0.902)	1029001	2.00000	2.0(A)
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	2262104	2.00000	1.8(A)
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	2671009	2.00000	1.9(A)
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	2785873	2.00000	2.0(A)
	44 Benzene	78	10.797	10.797	(0.949)	2047540	2.00000	1.7(A)
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	1073634	2.00000	1.8(A)
	46 n-Heptane	43	11.022	11.033	(0.969)	903248	2.00000	1.6(A)
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7125699	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	1072880	2.00000	1.8(A)
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	650479	2.00000	1.8(A)
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	1885287	2.00000	1.9(A)
	55 1,3-Dichloropropene (cis)	75	13.114	13.108	(1.153)	1060176	2.00000	2.1(A)
	58 Toluene	92	13.531	13.536	(0.873)	1549879	2.00000	1.9(A)
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	1180241	2.00000	2.3(A)
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	743718	2.00000	1.8(A)
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	1944118	2.00000	2.1(A)
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	2207808	2.00000	2.2(A)
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	1554802	2.00000	2.2(A)
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6591126	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	2338554	2.00000	2.0(AQM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	3525596	2.00000	2.0(A)
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	2866597	4.00000	4.5(A)
M	70 Xylene, Total	106				4264637	6.00000	6.8
	71 Xylene (o)	106	16.286	16.281	(1.050)	1398040	2.00000	2.3(A)
	73 Bromoform	173	16.602	16.607	(1.071)	2407376	2.00000	2.5(A)
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	1630826	2.00000	2.5(A)
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	3934597	2.00000	3.0(A)
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	3331755	2.00000	3.0(A)
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	3050724	2.00000	2.6(AQM)

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: efv013.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 487974
Lab Sample ID: ic 487974

Date: 04-JUN-2013 20:10
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

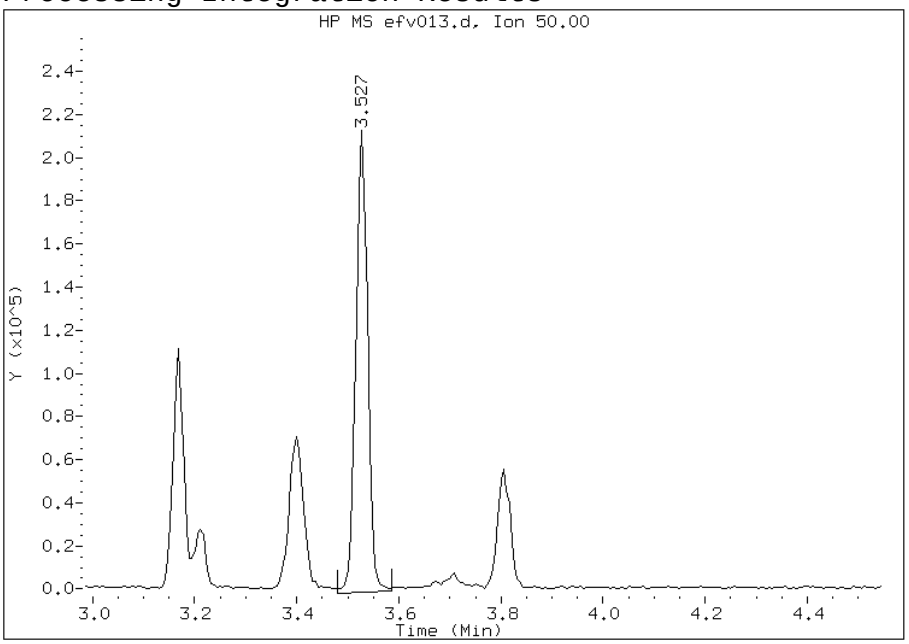
Processing Integration Results

RT: 3.53

Response: 351534

Amount: 1.79

Conc: 1.79



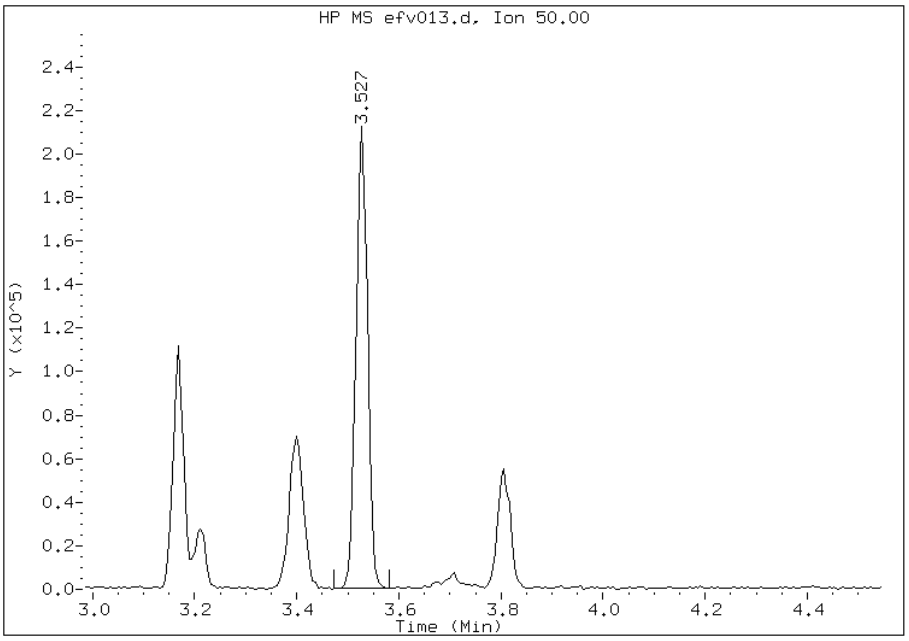
Manual Integration Results

RT: 3.53

Response: 338245

Amount: 1.73

Conc: 1.73



File Uploaded By: wrd
Manual Integration Reason: Baseline event

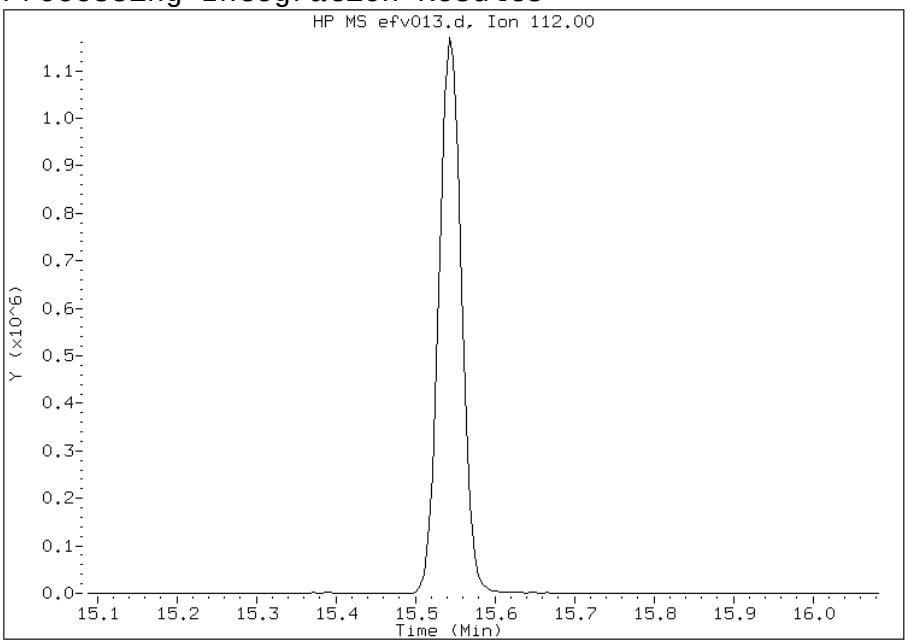
Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



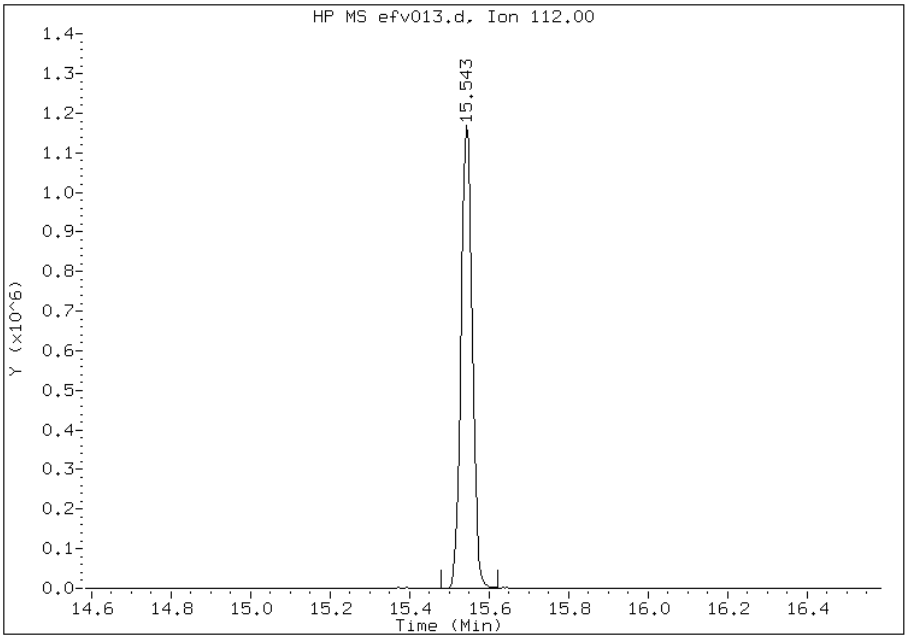
Manual Integration Results

RT: 15.54

Response: 2338554

Amount: 2.02

Conc: 2.02



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efv013.d
Lab Sample ID: ic 487974
Inj. Date and Time: 04-JUN-2013 20:10
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

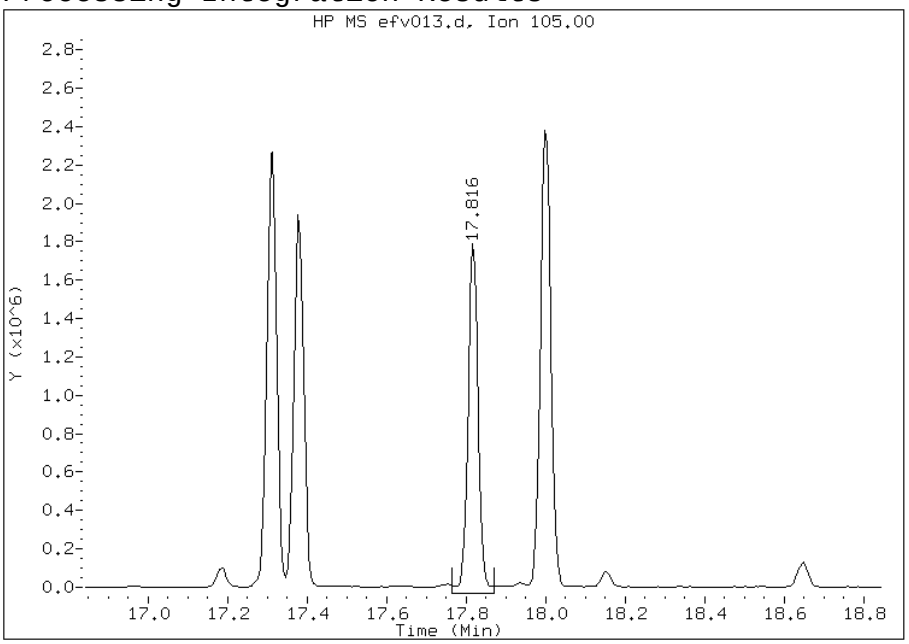
Processing Integration Results

RT: 17.82

Response: 3302442

Amount: 2.82

Conc: 2.82



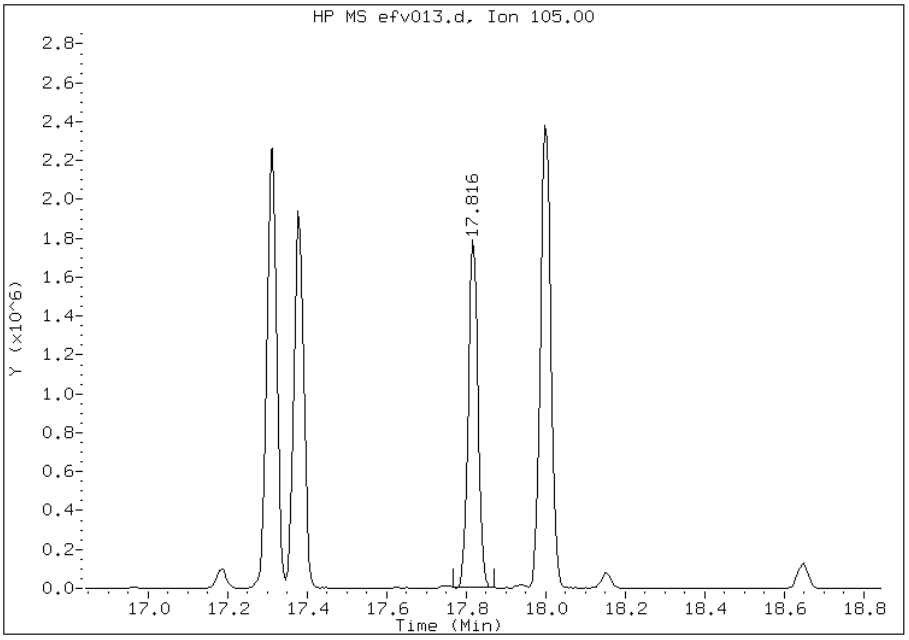
Manual Integration Results

RT: 17.82

Response: 3050724

Amount: 2.64

Conc: 2.64



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-57137/15 Calibration Date: 06/04/2013 22:54

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efv016.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	1.778	1.609		0.181	0.200	-9.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.505	1.446		0.192	0.200	-3.9	30.0
Bromomethane	Ave	0.5329	0.4946		0.186	0.200	-7.2	30.0
Chloroethane	Ave	0.2036	0.1775		0.174	0.200	-12.8	30.0
Trichlorofluoromethane	Ave	1.999	2.084		0.209	0.200	4.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.261	1.441		0.229	0.200	14.3	30.0
trans-1,2-Dichloroethene	Ave	0.7693	0.7387		0.192	0.200	-4.0	30.0
n-Hexane	Ave	0.7178	0.6817		0.190	0.200	-5.0	30.0
Chloroform	Ave	1.373	1.394		0.203	0.200	1.6	30.0
1,1,1-Trichloroethane	Ave	0.3458	0.3482		0.201	0.200	0.7	30.0
Carbon tetrachloride	Ave	0.3958	0.3984		0.201	0.200	0.6	30.0
n-Heptane	Ave	0.1549	0.1314		0.170	0.200	-15.2	30.0
1,2-Dichloropropane	Ave	0.1015	0.1001		0.197	0.200	-1.4	30.0
Bromodichloromethane	Ave	0.2792	0.2852		0.204	0.200	2.1	30.0
cis-1,3-Dichloropropene	Ave	0.1435	0.1461		0.204	0.200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.1256	0.1199		0.191	0.200	-4.5	30.0
Tetrachloroethene	Ave	0.2830	0.3042		0.215	0.200	7.5	30.0
Ethylbenzene	Ave	0.5265	0.5494		0.209	0.200	4.3	30.0
m-Xylene & p-Xylene	Ave	0.1913	0.2137		0.447	0.400	11.7	30.0
o-Xylene	Ave	0.1862	0.2033		0.219	0.200	9.2	30.0
4-Ethyltoluene	Ave	0.4018	0.4773		0.238	0.200	18.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv016.d
Lab Smp Id: icv 495528
Inj Date : 04-JUN-2013 22:54
Operator : wrd Inst ID: E.i
Smp Info : icv 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	229977	0.18103	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	206708	0.19226	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	41968	0.21611	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48439	0.18473	0.18
8 1,3-Butadiene	54	3.805	3.805	(0.383)	35010	0.19856	0.20
9 Bromomethane	94	4.410	4.415	(0.444)	70692	0.18565	0.18
10 Chloroethane	64	4.613	4.618	(0.465)	25374	0.17443	0.17
12 Vinyl bromide	106	4.993	4.993	(0.503)	81022	0.18257	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	297925	0.20855	0.21
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	205972	0.22870	0.23
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	92532	0.23281	0.23
22 Allyl chloride	41	7.063	7.074	(0.712)	63030	0.18010	0.18
25 Methylene chloride	49	7.357	7.368	(0.741)	81854	0.22126	0.22
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	105587	0.19209	0.19

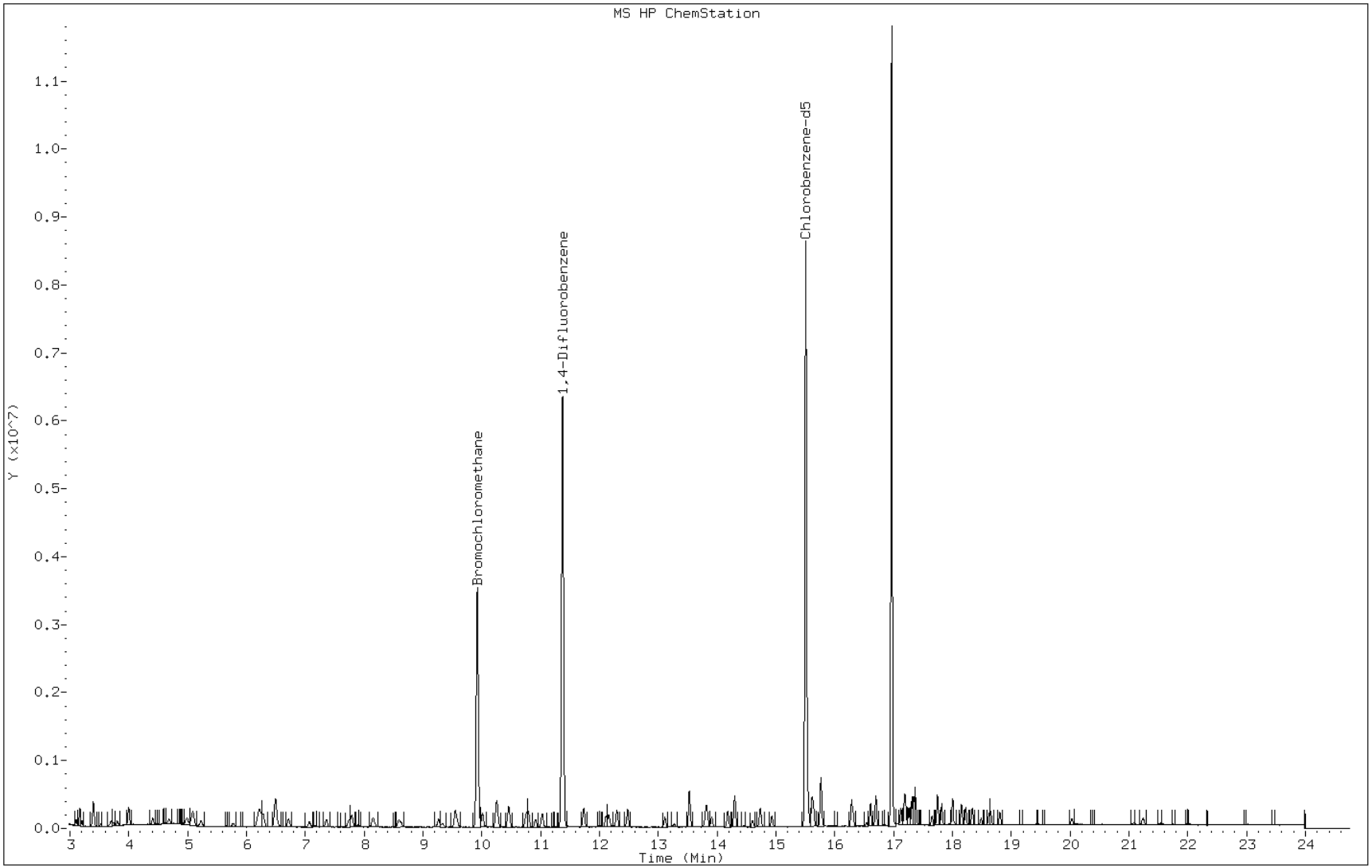
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	207851	0.22121	0.22
	30 n-Hexane	57	8.149	8.155	(0.821)	97441	0.19001	0.19
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	138853	0.20540	0.20
M	33 1,2-Dichloroethene, Total	61				190848	0.40623	0.41
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	85261	0.21414	0.21
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1428943	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	199313	0.20323	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	104734	0.20150	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	246942	0.20145	0.20
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	282538	0.20134	0.20
	43 2,2,4-Trimethylpentane	57	10.754	10.765	(0.945)	297062	0.21187	0.21
	44 Benzene	78	10.797	10.797	(0.949)	233715	0.19974	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	117257	0.19651	0.20
	46 n-Heptane	43	11.022	11.033	(0.969)	93168	0.16971	0.17
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7090366	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	116795	0.20284	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	71007	0.19726	0.20
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	202278	0.20435	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	103608	0.20367	0.20
	58 Toluene	92	13.531	13.536	(0.873)	172383	0.22320	0.22
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	96214	0.18847	0.19
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	75954	0.19105	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	192659	0.21506	0.22
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	202126	0.20636	0.21
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	139201	0.20534	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6330946	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	232459	0.20881	0.21(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	347894	0.20874	0.21
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	270654	0.44705	0.45
M	70 Xylene, Total	106				399423	0.66556	0.66
	71 Xylene (o)	106	16.281	16.281	(1.050)	128769	0.21851	0.22(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	187011	0.20511	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107768	0.17390	0.17
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	302254	0.23766	0.24
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	242909	0.23112	0.23
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	195236	0.17617	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 495528
Lab Sample ID: icv 495528

Date: 04-JUN-2013 22:54
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-57137/15 Calibration Date: 06/04/2013 22:54

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efv016.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
Chloromethane	Ave	0.2718	0.2936		0.216	0.200	8.0	30.0
Vinyl chloride	Ave	0.3670	0.3389		0.185	0.200	-7.7	30.0
1,3-Butadiene	Ave	0.2468	0.2449		0.199	0.200	-0.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6211	0.5669		0.183	0.200	-8.7	30.0
1,1-Dichloroethene	Ave	0.5563	0.6474		0.233	0.200	16.4	30.0
3-Chloropropene	Ave	0.4898	0.4410		0.180	0.200	-10.0	30.0
Methylene Chloride	Ave	0.5178	0.5727		0.221	0.200	10.6	30.0
Methyl tert-butyl ether	Ave	1.315	1.454		0.221	0.200	10.6	30.0
1,1-Dichloroethane	Ave	0.9462	0.9715		0.205	0.200	2.7	30.0
cis-1,2-Dichloroethene	Ave	0.5573	0.5965		0.214	0.200	7.0	30.0
Cyclohexane	Ave	0.1466	0.1477		0.202	0.200	0.7	30.0
2,2,4-Trimethylpentane	Ave	0.3955	0.4189		0.212	0.200	5.9	30.0
Benzene	Ave	0.3301	0.3295		0.200	0.200	-0.2	30.0
1,2-Dichloroethane	Ave	0.1683	0.1653		0.197	0.200	-1.8	30.0
Trichloroethene	Ave	0.1624	0.1647		0.203	0.200	1.4	30.0
Toluene	Ave	0.2440	0.2722		0.223	0.200	11.6	30.0
trans-1,3-Dichloropropene	Ave	0.1440	0.1357		0.188	0.200	-5.8	30.0
Dibromochloromethane	Ave	0.3094	0.3192		0.206	0.200	3.2	30.0
1,2-Dibromoethane	Ave	0.2142	0.2198		0.205	0.200	2.6	30.0
Chlorobenzene	Ave	0.3517	0.3671		0.209	0.200	4.4	30.0
Bromoform	Ave	0.2880	0.2953		0.205	0.200	2.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.1958	0.1702		0.174	0.200	-13.1	30.0
1,3,5-Trimethylbenzene	Ave	0.3320	0.3836		0.231	0.200	15.5	30.0
1,2,4-Trimethylbenzene	Ave	0.3501	0.3083		0.176	0.200	-11.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvwrd.b/efv016.d
Lab Smp Id: icv 495528
Inj Date : 04-JUN-2013 22:54
Operator : wrd Inst ID: E.i
Smp Info : icv 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvwrd.b/to15ll3t.m
Meth Date : 17-Jun-2013 11:28 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 5 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	229977	0.18103	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.399	3.399	(0.342)	206708	0.19226	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	41968	0.21611	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48439	0.18473	0.18
8 1,3-Butadiene	54	3.805	3.805	(0.383)	35010	0.19856	0.20
9 Bromomethane	94	4.410	4.415	(0.444)	70692	0.18565	0.18
10 Chloroethane	64	4.613	4.618	(0.465)	25374	0.17443	0.17
12 Vinyl bromide	106	4.993	4.993	(0.503)	81022	0.18257	0.18
13 Trichlorofluoromethane	101	5.095	5.095	(0.513)	297925	0.20855	0.21
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.229	6.223	(0.628)	205972	0.22870	0.23
19 1,1-Dichloroethene	96	6.287	6.282	(0.633)	92532	0.23281	0.23
22 Allyl chloride	41	7.063	7.074	(0.712)	63030	0.18010	0.18
25 Methylene chloride	49	7.357	7.368	(0.741)	81854	0.22126	0.22
27 1,2-Dichloroethene (trans)	61	7.801	7.807	(0.786)	105587	0.19209	0.19

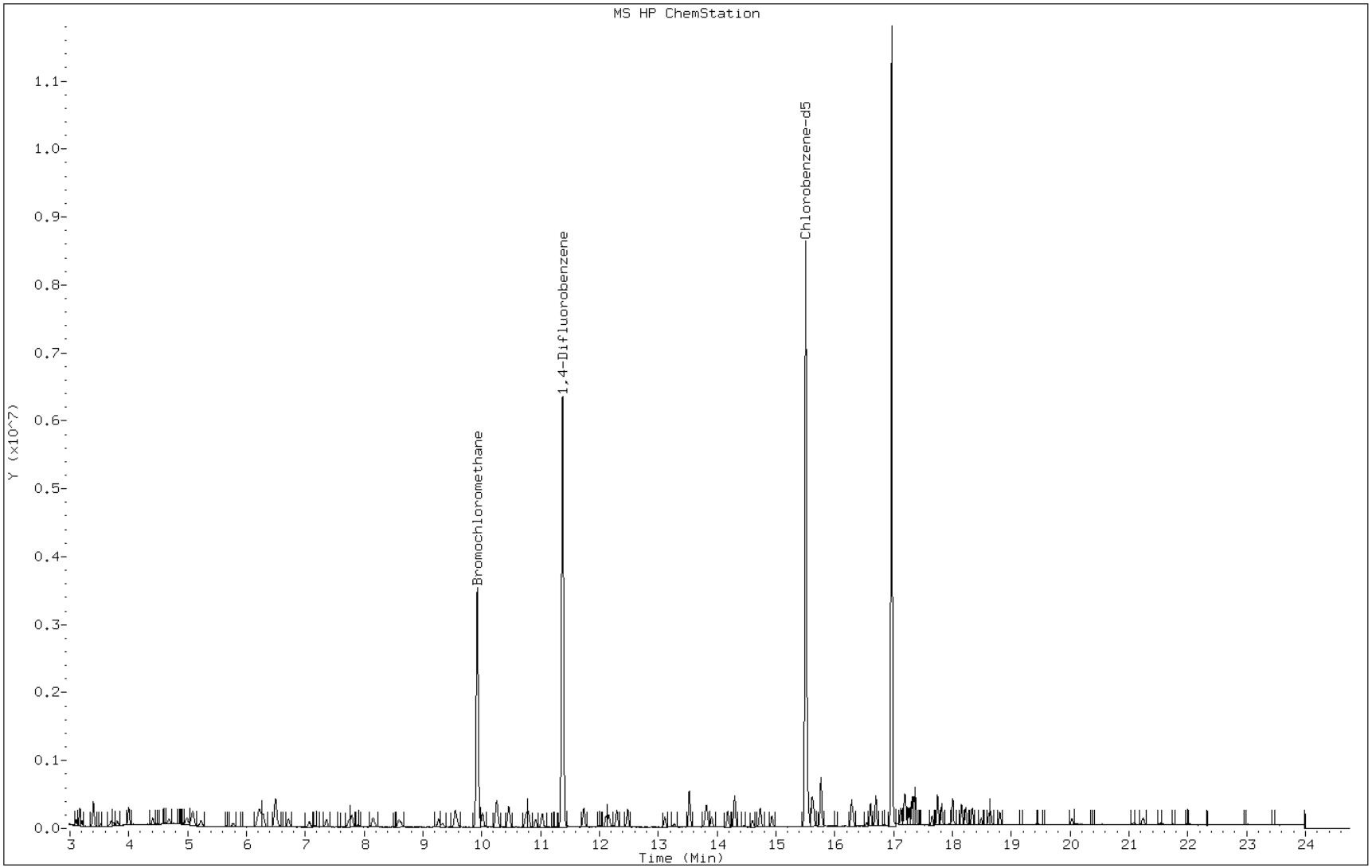
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.743	7.753	(0.780)	207851	0.22121	0.22
	30 n-Hexane	57	8.149	8.155	(0.821)	97441	0.19001	0.19
	31 1,1-Dichloroethane	63	8.593	8.599	(0.866)	138853	0.20540	0.20
M	33 1,2-Dichloroethene, Total	61				190848	0.40623	0.41
	34 1,2-Dichloroethene (cis)	96	9.551	9.546	(0.962)	85261	0.21414	0.21
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1428943	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	199313	0.20323	0.20
	40 Cyclohexane	84	10.252	10.252	(0.901)	104734	0.20150	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	246942	0.20145	0.20
	42 Carbon tetrachloride	117	10.466	10.460	(0.920)	282538	0.20134	0.20
	43 2,2,4-Trimethylpentane	57	10.754	10.765	(0.945)	297062	0.21187	0.21
	44 Benzene	78	10.797	10.797	(0.949)	233715	0.19974	0.20
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	117257	0.19651	0.20
	46 n-Heptane	43	11.022	11.033	(0.969)	93168	0.16971	0.17
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	7090366	2.00000	
	49 Trichloroethene	95	11.733	11.734	(1.032)	116795	0.20284	0.20
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	71007	0.19726	0.20
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	202278	0.20435	0.20
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.152)	103608	0.20367	0.20
	58 Toluene	92	13.531	13.536	(0.873)	172383	0.22320	0.22
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	96214	0.18847	0.19
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	75954	0.19105	0.19
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	192659	0.21506	0.22
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	202126	0.20636	0.21
	64 1,2-Dibromoethane	107	14.933	14.933	(0.963)	139201	0.20534	0.20
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	6330946	2.00000	
	66 Chlorobenzene	112	15.542	15.585	(1.002)	232459	0.20881	0.21(QM)
	67 Ethylbenzene	91	15.617	15.612	(1.007)	347894	0.20874	0.21
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	270654	0.44705	0.45
M	70 Xylene, Total	106				399423	0.66556	0.66
	71 Xylene (o)	106	16.281	16.281	(1.050)	128769	0.21851	0.22(Q)
	73 Bromoform	173	16.607	16.607	(1.071)	187011	0.20511	0.20
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107768	0.17390	0.17
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	302254	0.23766	0.24
	81 1,3,5-Trimethylbenzene	105	17.377	17.378	(1.121)	242909	0.23112	0.23
	84 1,2,4-Trimethylbenzene	105	17.821	17.843	(1.149)	195236	0.17617	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efv016.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: icv 495528
Lab Sample ID: icv 495528

Date: 04-JUN-2013 22:54
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



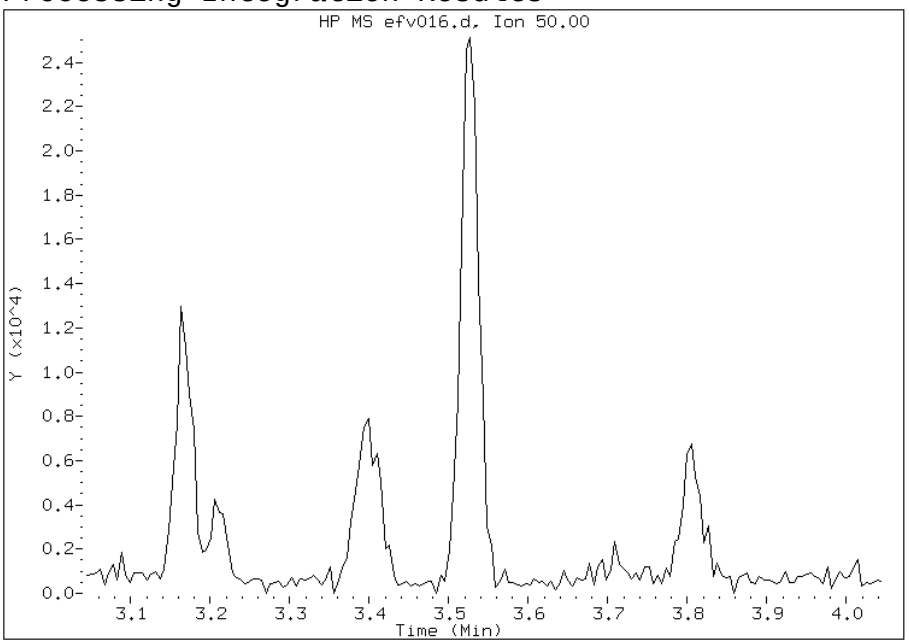
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



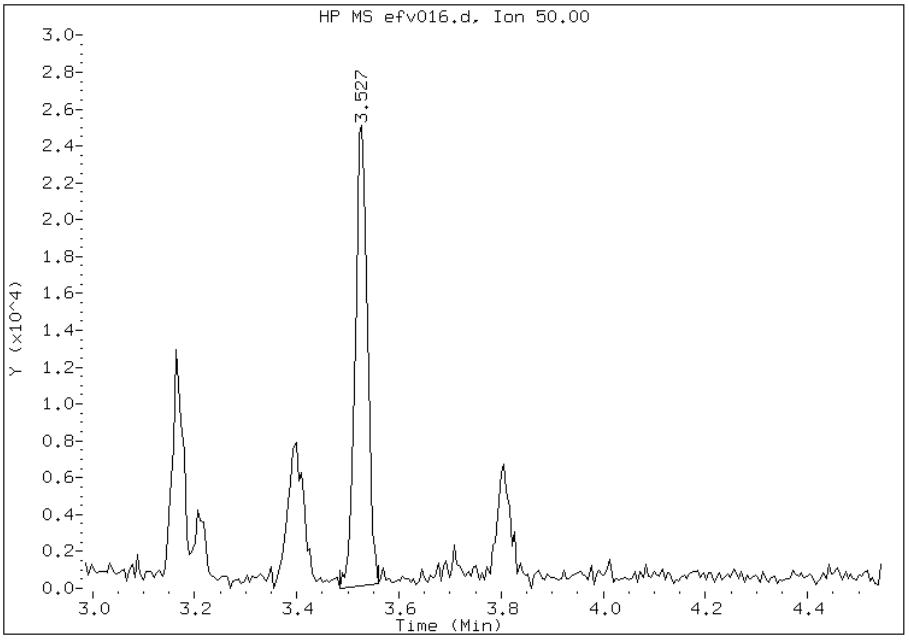
Manual Integration Results

RT: 3.53

Response: 41968

Amount: 0.216114

Conc: 0.216114



File Uploaded By: wrd
Manual Integration Reason: Baseline event

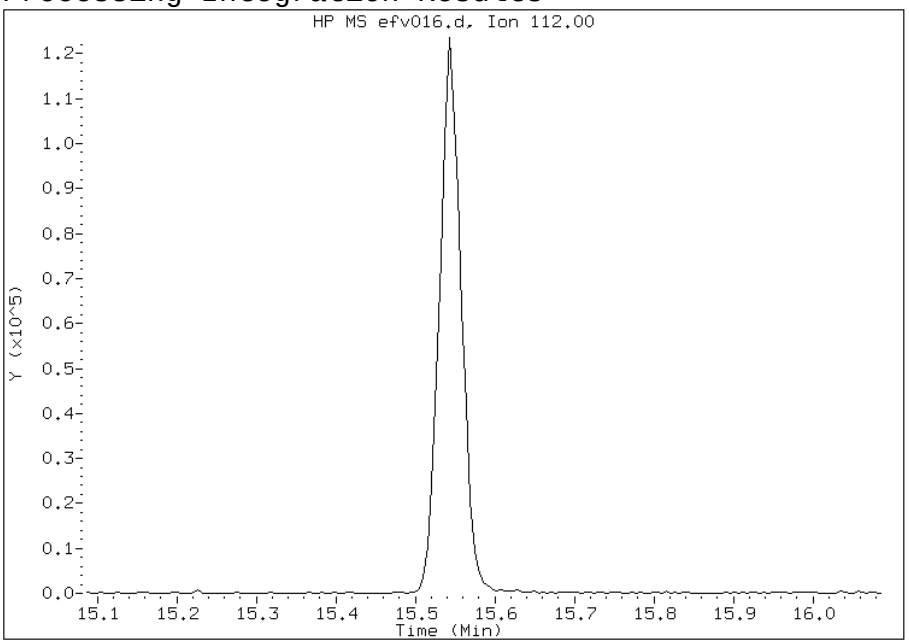
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



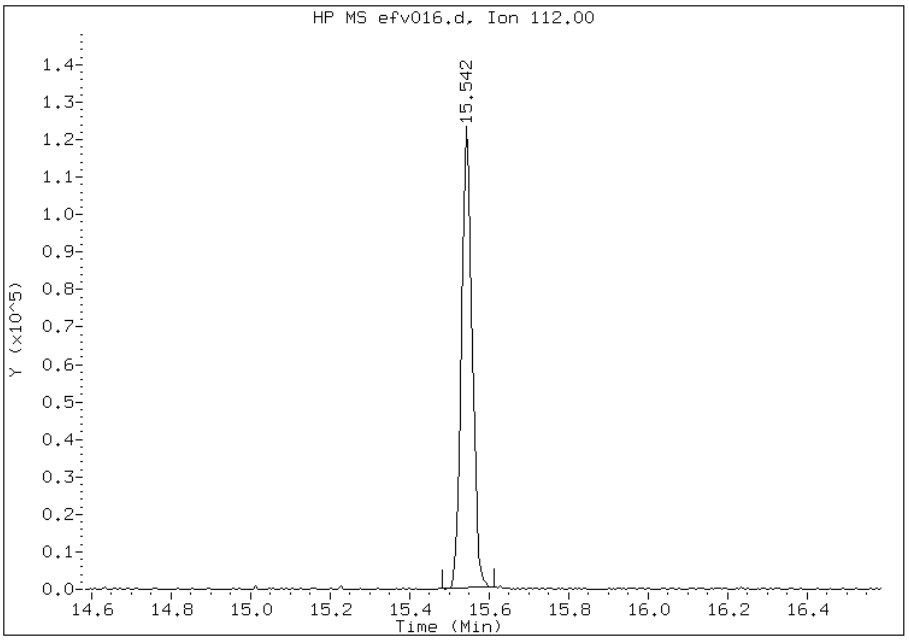
Manual Integration Results

RT: 15.54

Response: 232459

Amount: 0.208808

Conc: 0.208808



File Uploaded By: wrd
Manual Integration Reason: Baseline event

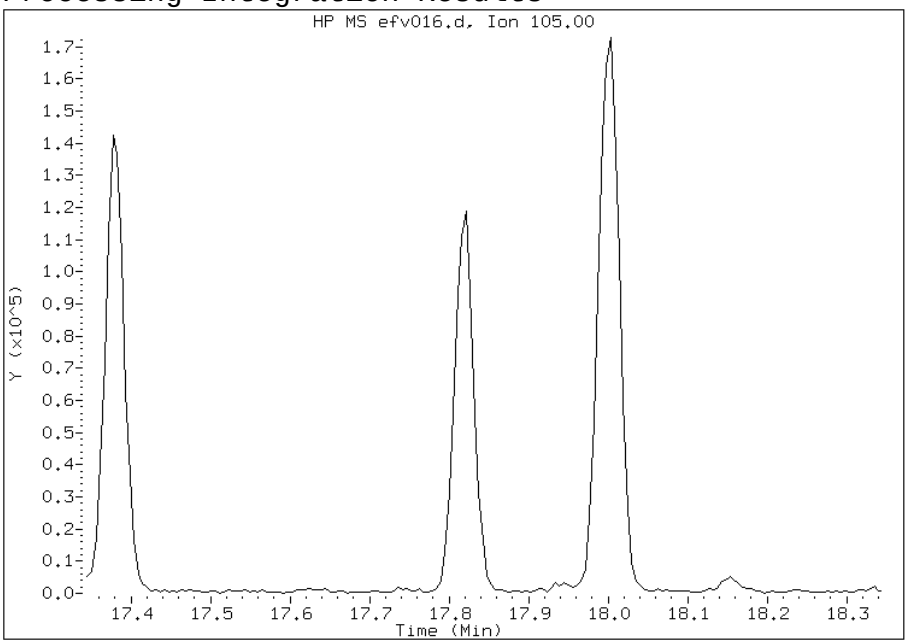
Manual Integration Report

Data File: efv016.d
Lab Sample ID: icv 495528
Inj. Date and Time: 04-JUN-2013 22:54
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 17.84



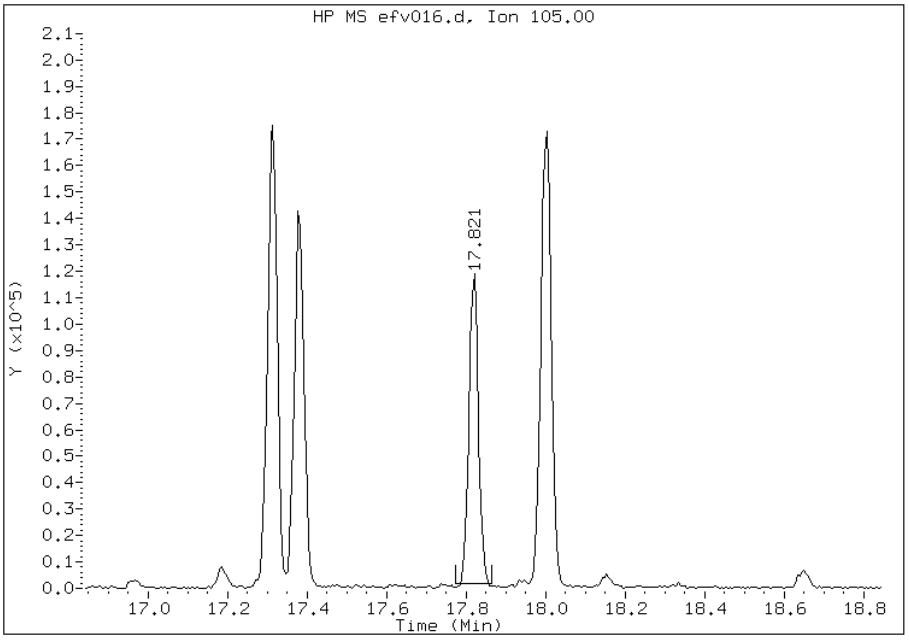
Manual Integration Results

RT: 17.82

Response: 195236

Amount: 0.176168

Conc: 0.176168



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-57144/2 Calibration Date: 06/12/2013 11:56

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efvd002.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	1.778	1.864		0.210	0.200	4.8	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.505	1.623		0.216	0.200	7.8	30.0
Bromomethane	Ave	0.5329	0.5264		0.198	0.200	-1.2	30.0
Chloroethane	Ave	0.2036	0.1989		0.195	0.200	-2.3	30.0
Trichlorofluoromethane	Ave	1.999	2.009		0.201	0.200	0.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.261	1.264		0.201	0.200	0.3	30.0
trans-1,2-Dichloroethene	Ave	0.7693	0.7439		0.193	0.200	-3.3	30.0
n-Hexane	Ave	0.7178	0.6848		0.191	0.200	-4.6	30.0
Chloroform	Ave	1.373	1.341		0.195	0.200	-2.3	30.0
1,1,1-Trichloroethane	Ave	0.3458	0.3535		0.205	0.200	2.2	30.0
Carbon tetrachloride	Ave	0.3958	0.4009		0.203	0.200	1.3	30.0
n-Heptane	Ave	0.1549	0.1544		0.199	0.200	-0.3	30.0
1,2-Dichloropropane	Ave	0.1015	0.1024		0.202	0.200	0.9	30.0
Bromodichloromethane	Ave	0.2792	0.2645		0.190	0.200	-5.3	30.0
cis-1,3-Dichloropropene	Ave	0.1435	0.1492		0.208	0.200	4.0	30.0
1,1,2-Trichloroethane	Ave	0.1256	0.1154		0.184	0.200	-8.1	30.0
Tetrachloroethene	Ave	0.2830	0.2892		0.204	0.200	2.2	30.0
Ethylbenzene	Ave	0.5265	0.5333		0.203	0.200	1.3	30.0
m-Xylene & p-Xylene	Ave	0.1913	0.2050		0.429	0.400	7.2	30.0
o-Xylene	Ave	0.1862	0.1991		0.214	0.200	7.0	30.0
4-Ethyltoluene	Ave	0.4018	0.4335		0.216	0.200	7.9	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd002.d
Lab Smp Id: ccvis 495526
Inj Date : 12-JUN-2013 11:56
Operator : wrd Inst ID: E.i
Smp Info : ccvis 495526
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

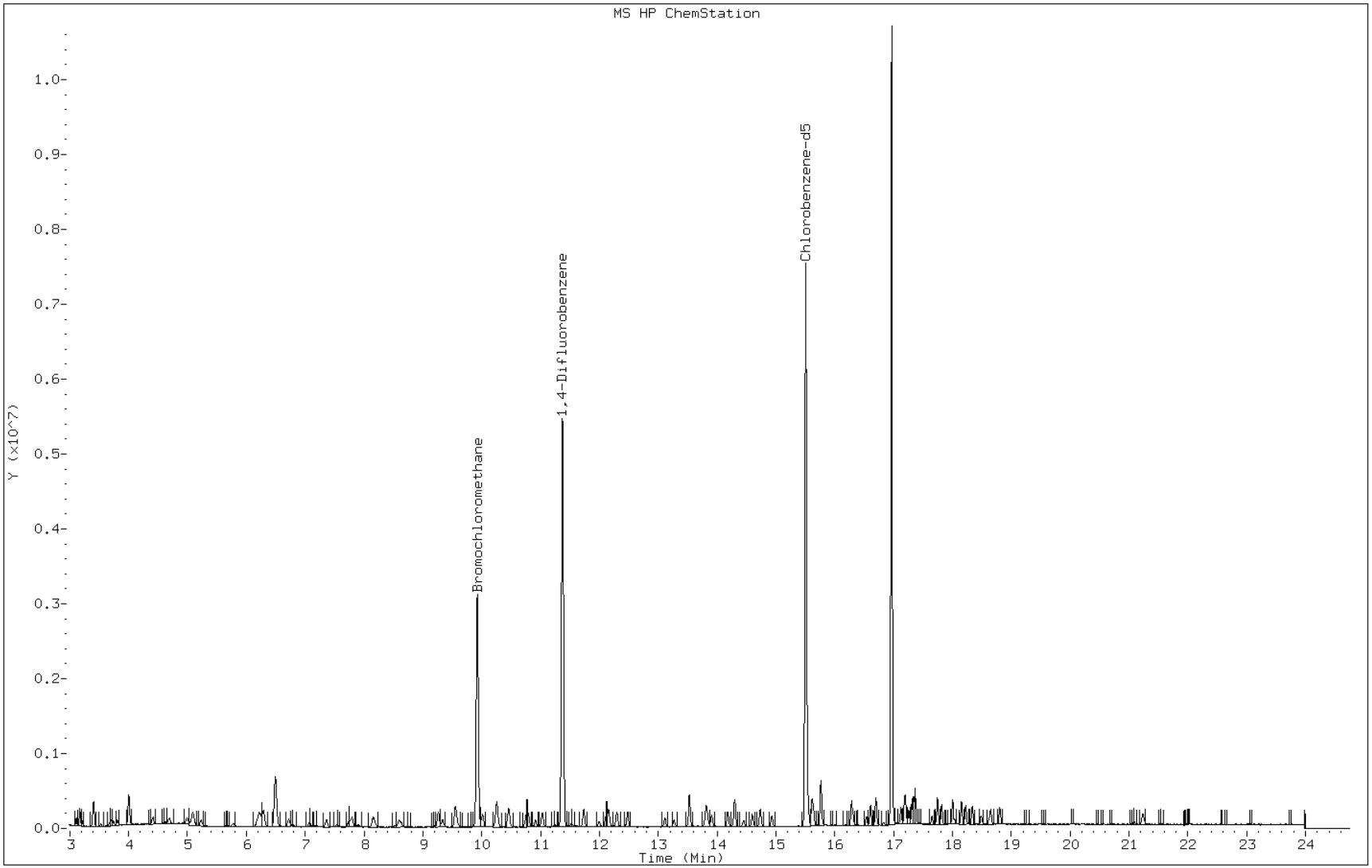
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	221032	0.20000	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	192442	0.20000	0.22
5 Chloromethane	50	3.527	3.543	(0.355)	39985	0.20000	0.25(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	51325	0.20000	0.24
8 1,3-Butadiene	54	3.805	3.805	(0.383)	30058	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62427	0.20000	0.20
10 Chloroethane	64	4.624	4.618	(0.466)	23583	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	69952	0.20000	0.19
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	238200	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	149881	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	64201	0.20000	0.19
22 Allyl chloride	41	7.074	7.074	(0.713)	51540	0.20000	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	71397	0.20000	0.23
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	88227	0.20000	0.19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.759	7.753	(0.782)	154345	0.20000	0.20
	30 n-Hexane	57	8.160	8.155	(0.822)	81214	0.20000	0.19
	31 1,1-Dichloroethane	63	8.588	8.599	(0.865)	115349	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				151610	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	63383	0.20000	0.19
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1185628	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	159000	0.20000	0.20
	40 Cyclohexane	84	10.257	10.252	(0.902)	84333	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	205943	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	233523	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.946)	240672	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.950)	173536	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	104017	0.20000	0.21
	46 n-Heptane	43	11.027	11.033	(0.970)	89939	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.370	11.375	(1.000)	5824128	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94302	0.20000	0.20
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	59667	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.098)	154080	0.20000	0.19
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.153)	86934	0.20000	0.21
	58 Toluene	92	13.531	13.536	(0.873)	129745	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	82185	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	61011	0.20000	0.18
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	152929	0.20000	0.20
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	155907	0.20000	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	109068	0.20000	0.19
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5286725	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	186499	0.20000	0.20(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	282033	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	216792	0.40000	0.43
M	70 Xylene, Total	106				322086	0.60000	0.64
	71 Xylene (o)	106	16.286	16.281	(1.050)	105294	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	141637	0.20000	0.19
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107029	0.20000	0.21
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	229231	0.20000	0.22
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	185997	0.20000	0.21
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	164158	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efvd002.d	Date:	12-JUN-2013 11:56
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 495526		
Lab Sample ID:	ccvis 495526		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-57144/2 Calibration Date: 06/12/2013 11:56

Instrument ID: E.i Calib Start Date: 06/04/2013 11:51

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/04/2013 20:10

Lab File ID: efvd002.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
Chloromethane	Ave	0.2718	0.3372		0.248	0.200	24.0	30.0
Vinyl chloride	Ave	0.3670	0.4328		0.236	0.200	17.9	30.0
1,3-Butadiene	Ave	0.2468	0.2535		0.205	0.200	2.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6211	0.5899		0.190	0.200	-5.0	30.0
1,1-Dichloroethene	Ave	0.5563	0.5414		0.195	0.200	-2.7	30.0
3-Chloropropene	Ave	0.4898	0.4346		0.177	0.200	-11.3	30.0
Methylene Chloride	Ave	0.5178	0.6020		0.233	0.200	16.3	30.0
Methyl tert-butyl ether	Ave	1.315	1.301		0.198	0.200	-1.0	30.0
1,1-Dichloroethane	Ave	0.9462	0.9726		0.206	0.200	2.8	30.0
cis-1,2-Dichloroethene	Ave	0.5573	0.5345		0.192	0.200	-4.1	30.0
Cyclohexane	Ave	0.1466	0.1448		0.198	0.200	-1.3	30.0
2,2,4-Trimethylpentane	Ave	0.3955	0.4131		0.209	0.200	4.5	30.0
Benzene	Ave	0.3301	0.2979		0.181	0.200	-9.7	30.0
1,2-Dichloroethane	Ave	0.1683	0.1786		0.212	0.200	6.1	30.0
Trichloroethene	Ave	0.1624	0.1619		0.199	0.200	-0.3	30.0
Toluene	Ave	0.2440	0.2454		0.201	0.200	0.6	30.0
trans-1,3-Dichloropropene	Ave	0.1440	0.1411		0.196	0.200	-2.0	30.0
Dibromochloromethane	Ave	0.3094	0.2948		0.191	0.200	-4.7	30.0
1,2-Dibromoethane	Ave	0.2142	0.2063		0.193	0.200	-3.7	30.0
Chlorobenzene	Ave	0.3517	0.3527		0.201	0.200	0.3	30.0
Bromoform	Ave	0.2880	0.2678		0.186	0.200	-7.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.1958	0.2024		0.207	0.200	3.4	30.0
1,3,5-Trimethylbenzene	Ave	0.3320	0.3517		0.212	0.200	5.9	30.0
1,2,4-Trimethylbenzene	Ave	0.3501	0.3104		0.177	0.200	-11.3	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd002.d
Lab Smp Id: ccvis 495526
Inj Date : 12-JUN-2013 11:56
Operator : wrd Inst ID: E.i
Smp Info : ccvis 495526
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	AMOUNTS ON-COL (ppb v/vv)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	221032	0.20000	0.21
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	192442	0.20000	0.22
5 Chloromethane	50	3.527	3.543	(0.355)	39985	0.20000	0.25(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	51325	0.20000	0.24
8 1,3-Butadiene	54	3.805	3.805	(0.383)	30058	0.20000	0.20
9 Bromomethane	94	4.415	4.415	(0.445)	62427	0.20000	0.20
10 Chloroethane	64	4.624	4.618	(0.466)	23583	0.20000	0.20
12 Vinyl bromide	106	4.993	4.993	(0.503)	69952	0.20000	0.19
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	238200	0.20000	0.20
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	149881	0.20000	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	64201	0.20000	0.19
22 Allyl chloride	41	7.074	7.074	(0.713)	51540	0.20000	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	71397	0.20000	0.23
27 1,2-Dichloroethene (trans)	61	7.796	7.807	(0.785)	88227	0.20000	0.19

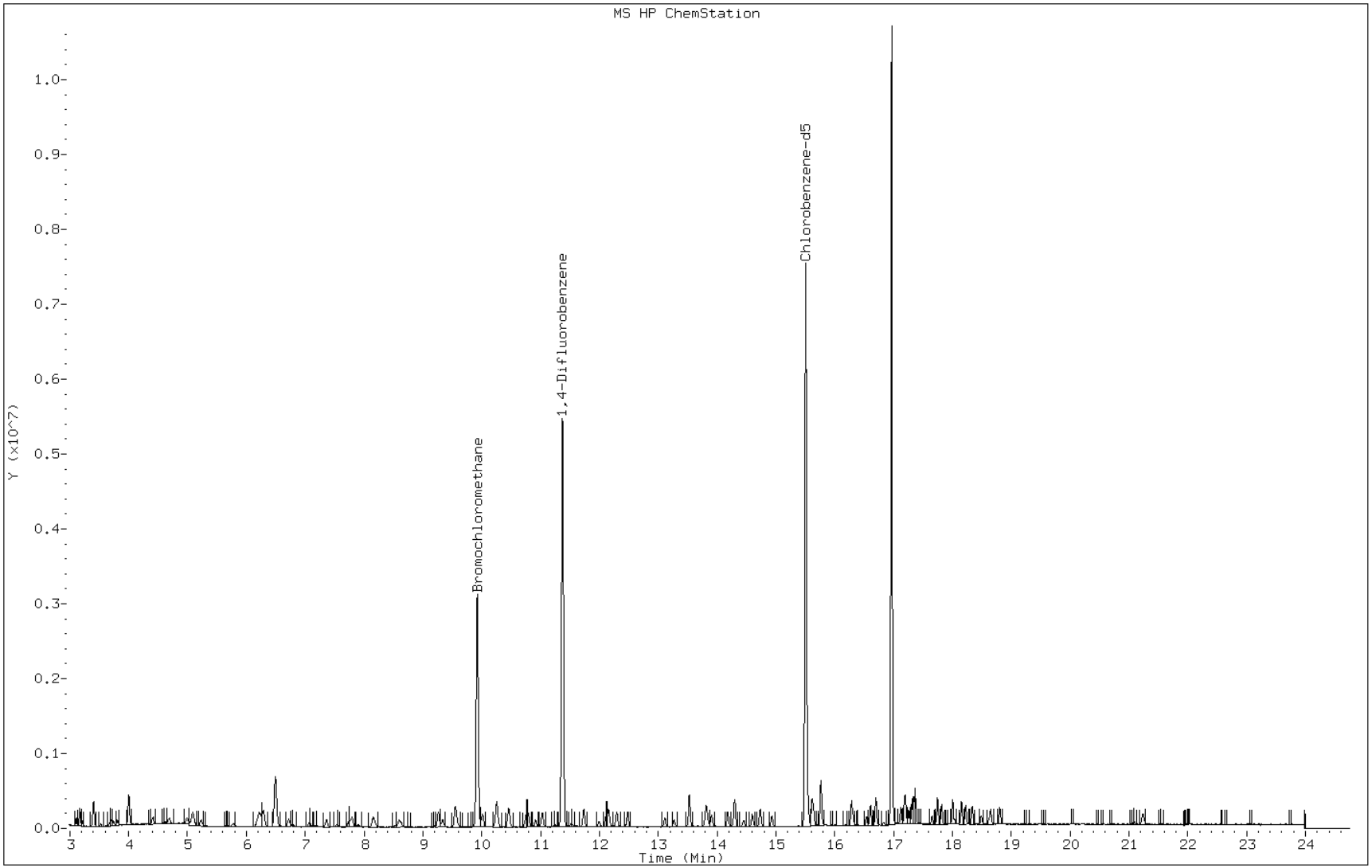
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/vv)	ON-COL (ppb v/vv)
	28 Methyl tert-butyl ether	73	7.759	7.753	(0.782)	154345	0.20000	0.20
	30 n-Hexane	57	8.160	8.155	(0.822)	81214	0.20000	0.19
	31 1,1-Dichloroethane	63	8.588	8.599	(0.865)	115349	0.20000	0.20
M	33 1,2-Dichloroethene, Total	61				151610	0.40000	0.38
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	63383	0.20000	0.19
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1185628	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	159000	0.20000	0.20
	40 Cyclohexane	84	10.257	10.252	(0.902)	84333	0.20000	0.20
	41 1,1,1-Trichloroethane	97	10.257	10.252	(0.902)	205943	0.20000	0.20
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	233523	0.20000	0.20
	43 2,2,4-Trimethylpentane	57	10.755	10.765	(0.946)	240672	0.20000	0.21
	44 Benzene	78	10.797	10.797	(0.950)	173536	0.20000	0.18
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	104017	0.20000	0.21
	46 n-Heptane	43	11.027	11.033	(0.970)	89939	0.20000	0.20
*	47 1,4-Difluorobenzene	114	11.370	11.375	(1.000)	5824128	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94302	0.20000	0.20
	50 1,2-Dichloropropane	63	12.113	12.108	(1.065)	59667	0.20000	0.20
	54 Bromodichloromethane	83	12.483	12.483	(1.098)	154080	0.20000	0.19
	55 1,3-Dichloropropene (cis)	75	13.108	13.108	(1.153)	86934	0.20000	0.21
	58 Toluene	92	13.531	13.536	(0.873)	129745	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	82185	0.20000	0.20
	60 1,1,2-Trichloroethane	83	14.178	14.178	(0.914)	61011	0.20000	0.18
	61 Tetrachloroethene	166	14.301	14.301	(0.922)	152929	0.20000	0.20
	63 Dibromochloromethane	129	14.735	14.729	(0.950)	155907	0.20000	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	109068	0.20000	0.19
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5286725	2.00000	
	66 Chlorobenzene	112	15.548	15.585	(1.003)	186499	0.20000	0.20(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	282033	0.20000	0.20
	69 Xylene (m,p)	106	15.762	15.762	(1.017)	216792	0.40000	0.43
M	70 Xylene, Total	106				322086	0.60000	0.64
	71 Xylene (o)	106	16.286	16.281	(1.050)	105294	0.20000	0.21
	73 Bromoform	173	16.607	16.607	(1.071)	141637	0.20000	0.19
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	107029	0.20000	0.21
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	229231	0.20000	0.22
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	185997	0.20000	0.21
	84 1,2,4-Trimethylbenzene	105	17.816	17.843	(1.149)	164158	0.20000	0.18(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: efvd002.d
Client ID:
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 495526
Lab Sample ID: ccvis 495526

Date: 12-JUN-2013 11:56
Instrument: E.i
Inj Vol: 500.0
Diameter: 0.32



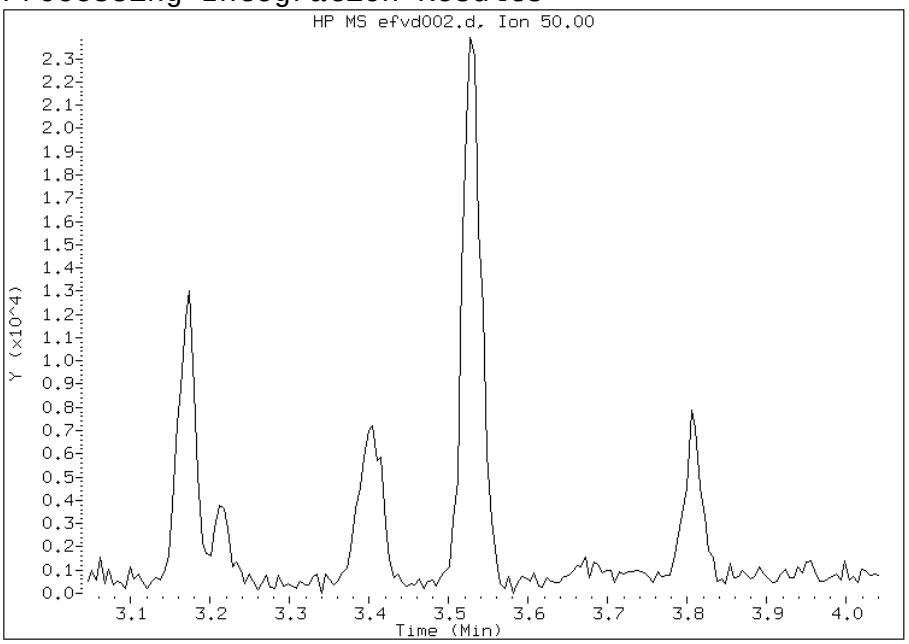
Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 5 Chloromethane
CAS #: 74-87-3
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 3.54



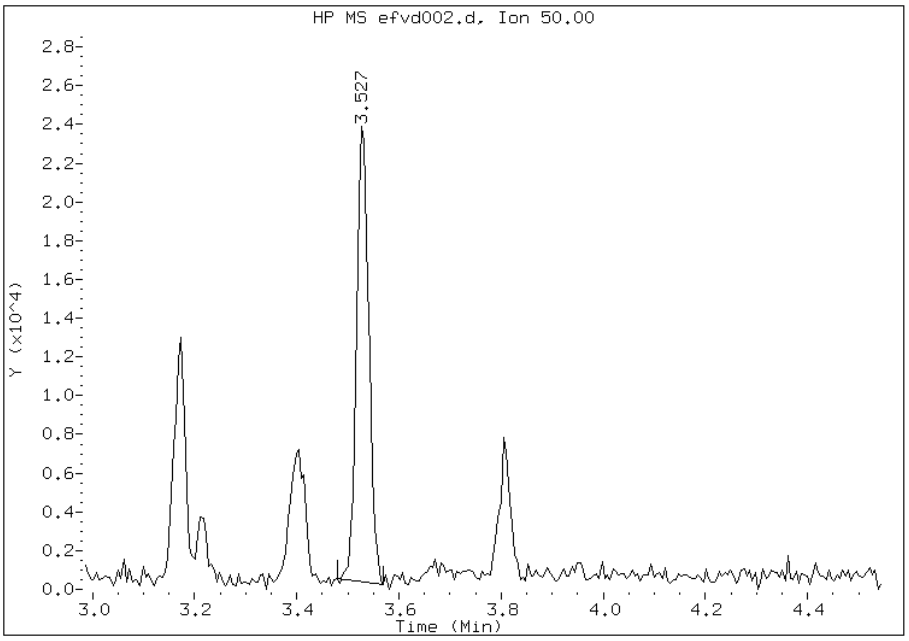
Manual Integration Results

RT: 3.53

Response: 39985

Amount: 0.248158

Conc: 0.248158



File Uploaded By: wrd
Manual Integration Reason: Baseline event

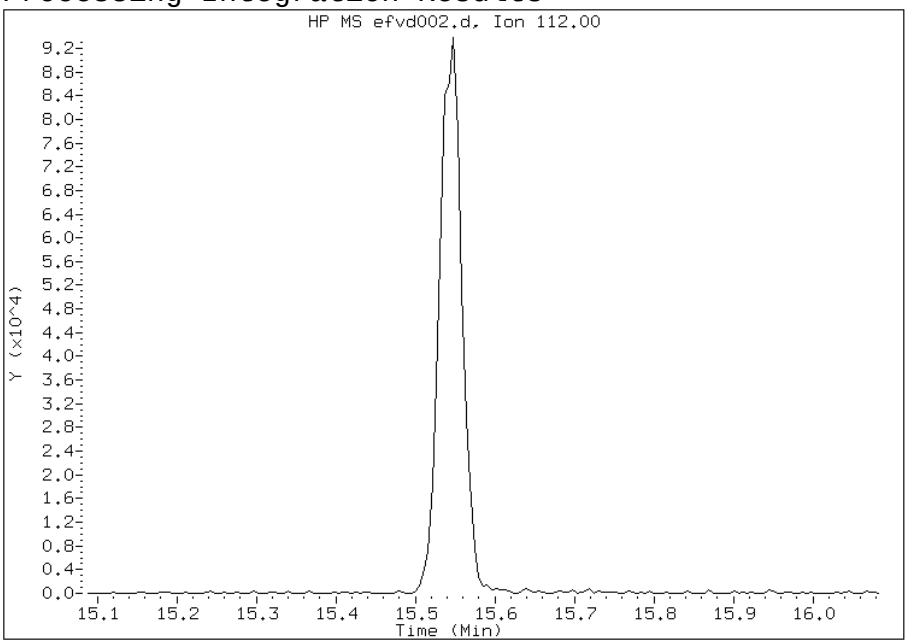
Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



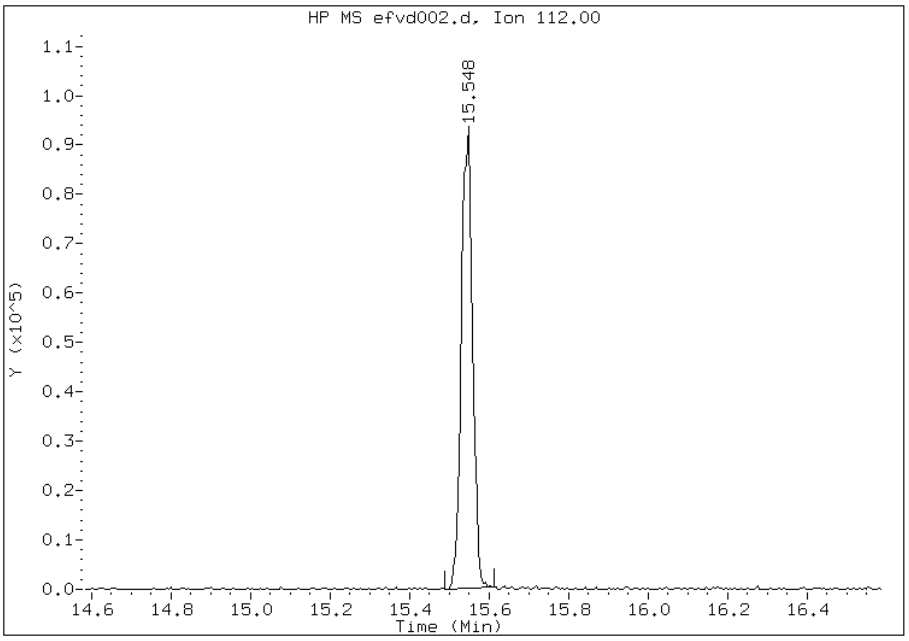
Manual Integration Results

RT: 15.55

Response: 186499

Amount: 0.200613

Conc: 0.200613



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: efvd002.d
Lab Sample ID: ccvis 495526
Inj. Date and Time: 12-JUN-2013 11:56
Instrument ID: E.i
Client ID:
Compound: 84 1,2,4-Trimethylbenzene
CAS #: 95-63-6
Report Date: 06/17/2013

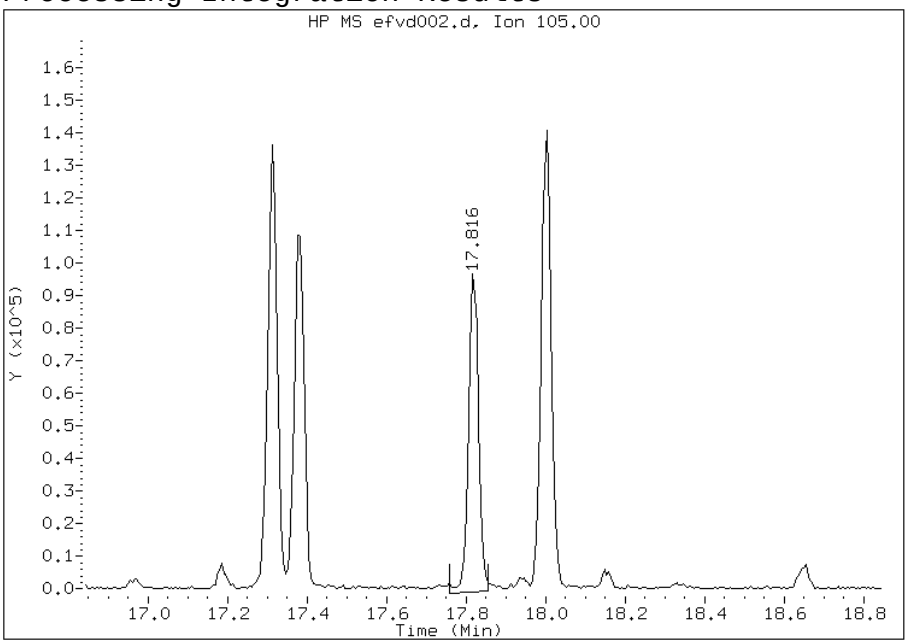
Processing Integration Results

RT: 17.82

Response: 175969

Amount: 0.190147

Conc: 0.190147



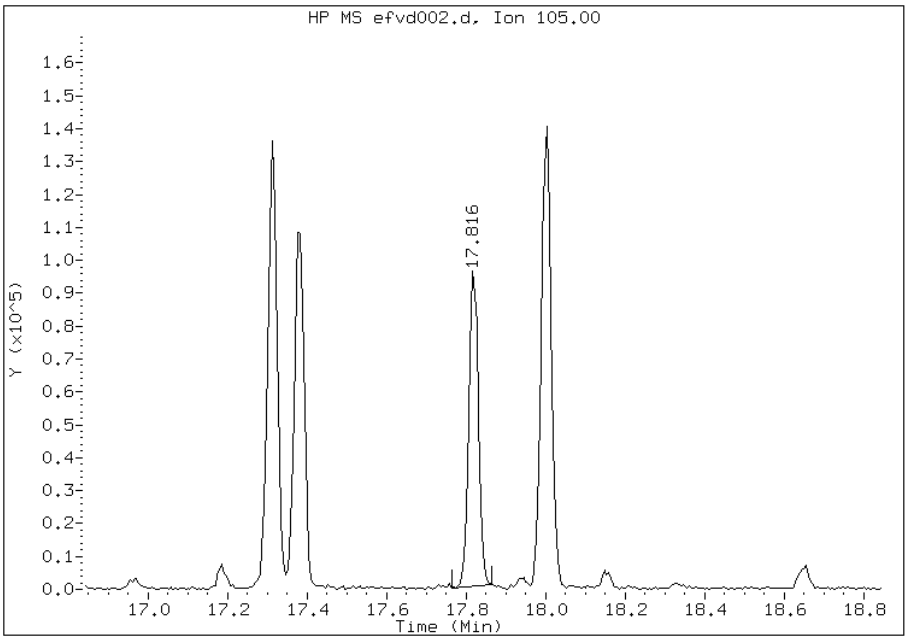
Manual Integration Results

RT: 17.82

Response: 164158

Amount: 0.177383

Conc: 0.177383



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efvto15.b/efv001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 04-JUN-2013 09:05
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : 50,1
Comment :
Method : /chem/E.i/Esvr.p/efvto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

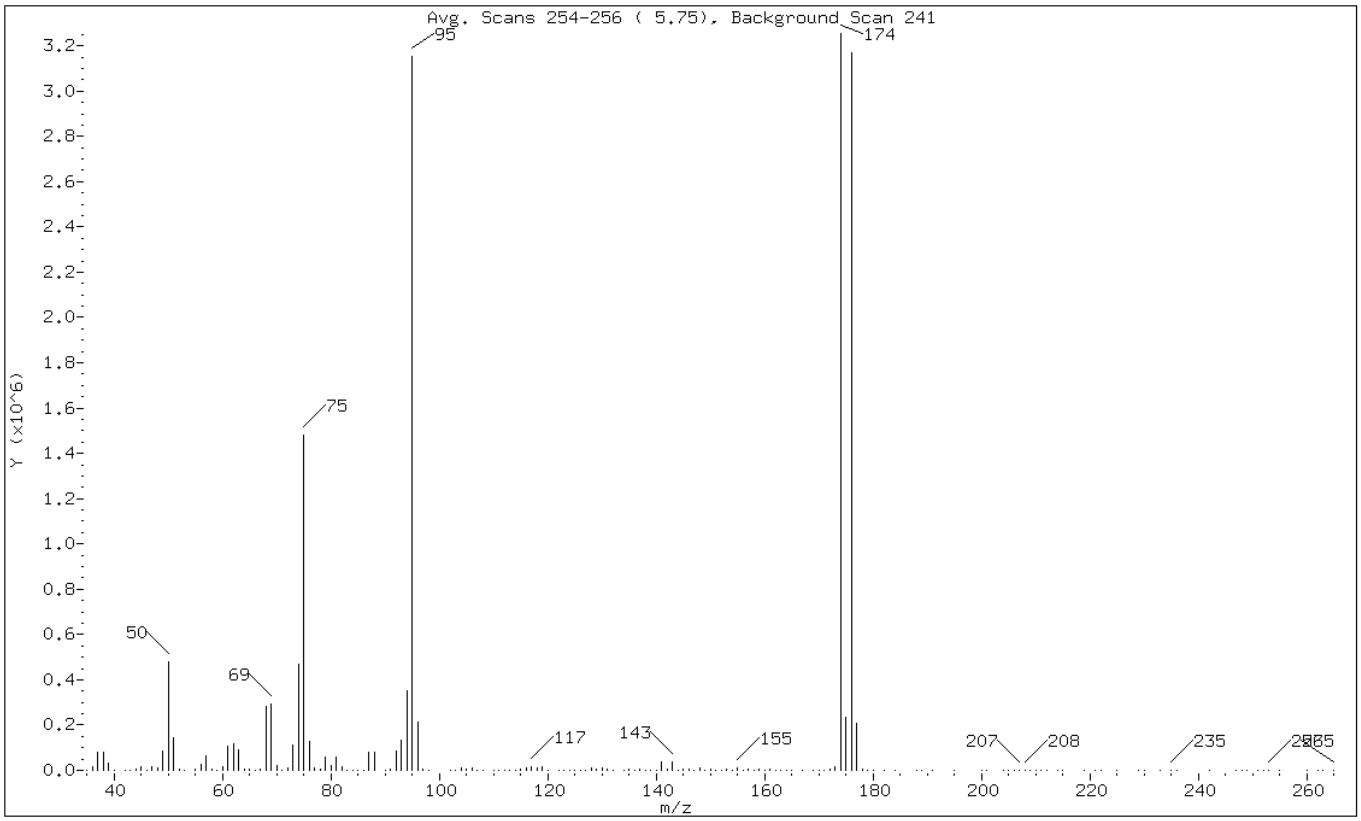
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.746	5.750	-0.004	95	3154782			100.00- 100.00	96.94
5.746	5.750	-0.004	50	478286			8.00- 40.00	15.16
5.746	5.750	-0.004	75	1479365			30.00- 66.00	46.89
5.746	5.750	-0.004	96	215261			5.00- 9.00	6.82
5.746	5.750	-0.004	173	15767			0.00- 2.00	0.48
5.746	5.750	-0.004	174	3254442			50.00- 120.00	103.16
5.746	5.750	-0.004	175	232789			4.00- 9.00	7.15
5.746	5.750	-0.004	176	3166890			93.00- 101.00	97.31
5.746	5.750	-0.004	177	209140			5.00- 9.00	6.60

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 04-JUN-2013 09:05
Instrument: E.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	15.16
75	30.00 - 66.00% of mass 95	46.89
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.50 (0.48)
174	50.00 - 120.00% of mass 95	103.16
175	4.00 - 9.00% of mass 174	7.38 (7.15)
176	93.00 - 101.00% of mass 174	100.38 (97.31)
177	5.00 - 9.00% of mass 176	6.63 (6.60)

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 04-JUN-2013 09:05
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

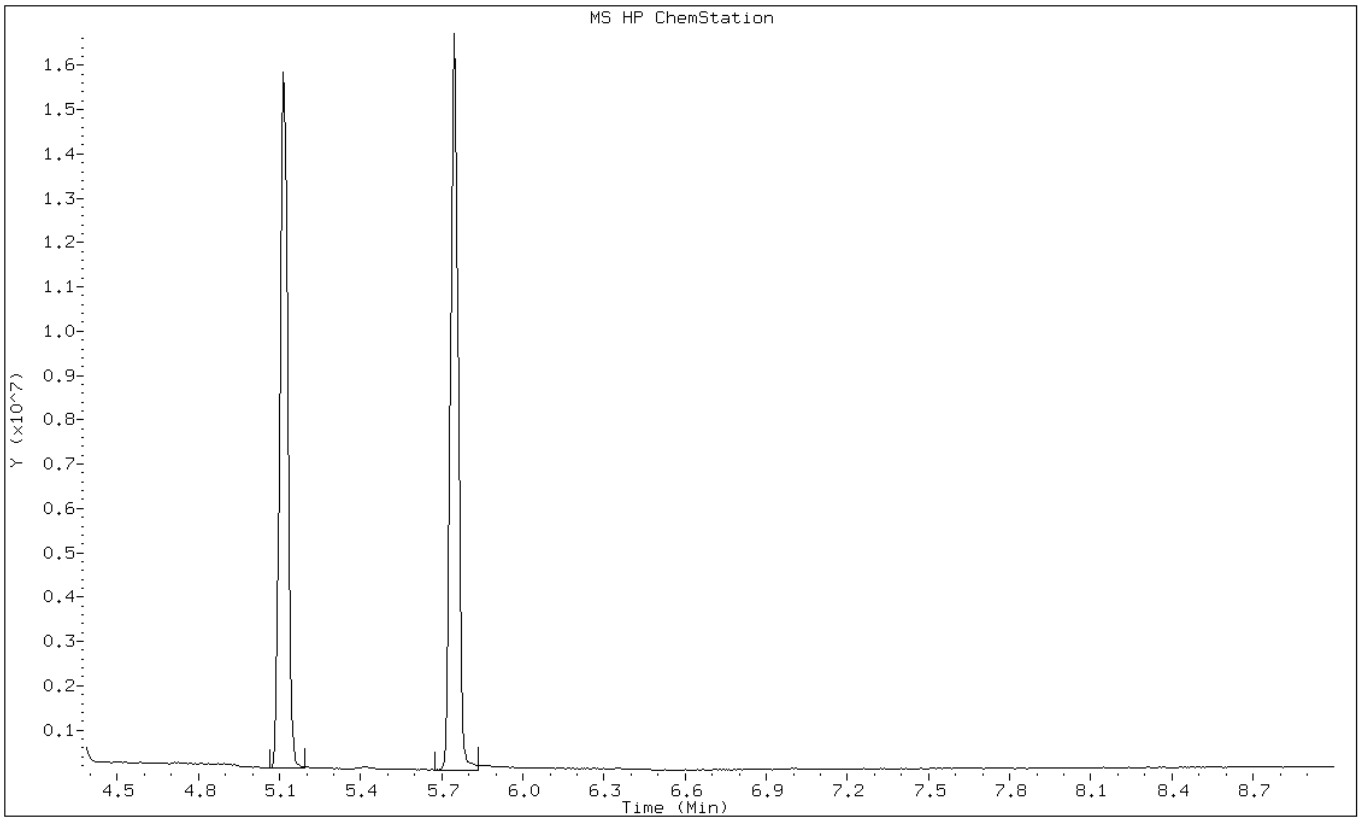
Data File: /chem/E.i/Esvr.p/efvto15.b/efv001.d
Spectrum: Avg. Scans 254-256 (5.75), Background Scan 241
Location of Maximum: 174.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	160	81.00	60504	131.00	5054	178.00	6319
36.00	13636	82.00	15619	132.00	963	179.00	107
37.00	81736	83.00	1867	134.00	670	180.00	89
38.00	77800	84.00	202	135.00	5691	182.00	60
39.00	32952	85.00	247	136.00	757	184.00	119
40.00	1835	86.00	1548	137.00	5470	188.00	56
42.00	464	87.00	81992	138.00	184	189.00	314
43.00	539	88.00	78616	139.00	869	191.00	162
44.00	6828	90.00	184	140.00	2353	195.00	19
45.00	17136	91.00	7457	141.00	35376	200.00	114
46.00	1549	92.00	83800	142.00	3558	201.00	86
47.00	15851	93.00	131904	143.00	37064	204.00	94
48.00	10547	94.00	352192	144.00	2058	205.00	163
49.00	84992	95.00	3154432	145.00	3521	206.00	157
50.00	478272	96.00	215232	146.00	5344	207.00	2291
51.00	145856	97.00	4893	147.00	2580	208.00	515
52.00	5261	98.00	296	148.00	8474	209.00	261
53.00	580	102.00	131	149.00	2367	210.00	244
55.00	4318	103.00	1162	150.00	4078	211.00	202
56.00	29160	104.00	10801	151.00	228	212.00	106
57.00	63728	105.00	3764	152.00	1493	214.00	99
58.00	2816	106.00	12345	153.00	2959	215.00	83
59.00	104	107.00	2338	154.00	2427	219.00	184
60.00	17464	108.00	91	155.00	9915	221.00	195
61.00	107904	110.00	1280	156.00	1943	222.00	219
62.00	115608	111.00	2338	157.00	6801	225.00	65
63.00	90184	112.00	2136	158.00	985	229.00	75
64.00	7860	113.00	2226	159.00	4171	230.00	52
65.00	3221	114.00	520	160.00	255	233.00	84
66.00	604	115.00	4034	161.00	4698	235.00	209
67.00	5264	116.00	10187	162.00	94	236.00	126
68.00	283584	117.00	17272	163.00	29	242.00	76
69.00	292480	118.00	10986	164.00	105	247.00	135
70.00	21104	119.00	14801	165.00	139	248.00	55
71.00	767	120.00	502	167.00	111	249.00	57
72.00	12224	122.00	780	169.00	110	251.00	11
73.00	113304	123.00	1131	170.00	349	252.00	192
74.00	468864	124.00	2501	171.00	438	253.00	580
75.00	1479168	125.00	1083	172.00	4860	255.00	238
76.00	127352	126.00	1333	173.00	15767	260.00	412
77.00	11899	127.00	107	174.00	3254272	262.00	113
78.00	7509	128.00	12452	175.00	232768	263.00	71
79.00	60368	129.00	4979	176.00	3166720	265.00	265

80.00	20656	130.00	11726	177.00	209088		

Data File: efv001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 04-JUN-2013 09:05
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 12-JUN-2013 11:02
Operator : wrd Inst ID: E.i
Smp Info : BFB
Misc Info : 50,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/bfbto15.m
Meth Date : 27-Mar-2013 15:52 wrd 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

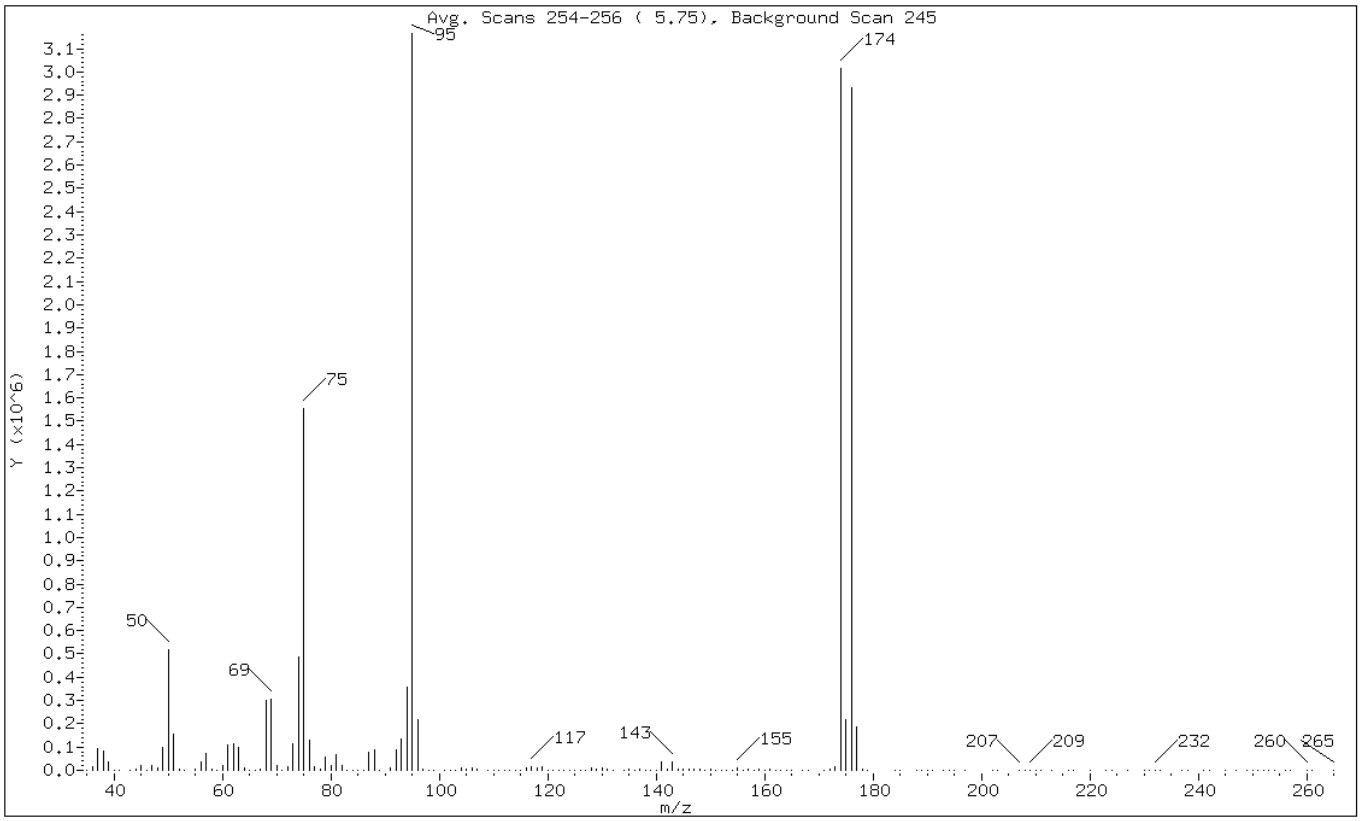
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.746	5.750	-0.004	95	3165421			100.00- 100.00	100.00
5.746	5.750	-0.004	50	516323			8.00- 40.00	16.31
5.746	5.750	-0.004	75	1553534			30.00- 66.00	49.08
5.746	5.750	-0.004	96	216521			5.00- 9.00	6.84
5.746	5.750	-0.004	173	15379			0.00- 2.00	0.51
5.746	5.750	-0.004	174	3013290			50.00- 120.00	95.19
5.746	5.750	-0.004	175	217642			4.00- 9.00	7.22
5.746	5.750	-0.004	176	2931850			93.00- 101.00	97.30
5.746	5.750	-0.004	177	185686			5.00- 9.00	6.33

Data File: efvd001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 12-JUN-2013 11:02
Instrument: E.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	16.31
75	30.00 - 66.00% of mass 95	49.08
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.49 (0.51)
174	50.00 - 120.00% of mass 95	95.19
175	4.00 - 9.00% of mass 174	6.88 (7.22)
176	93.00 - 101.00% of mass 174	92.62 (97.30)
177	5.00 - 9.00% of mass 176	5.87 (6.33)

Data File: efvd001.d
Client ID: BFB
Operator: wrd
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

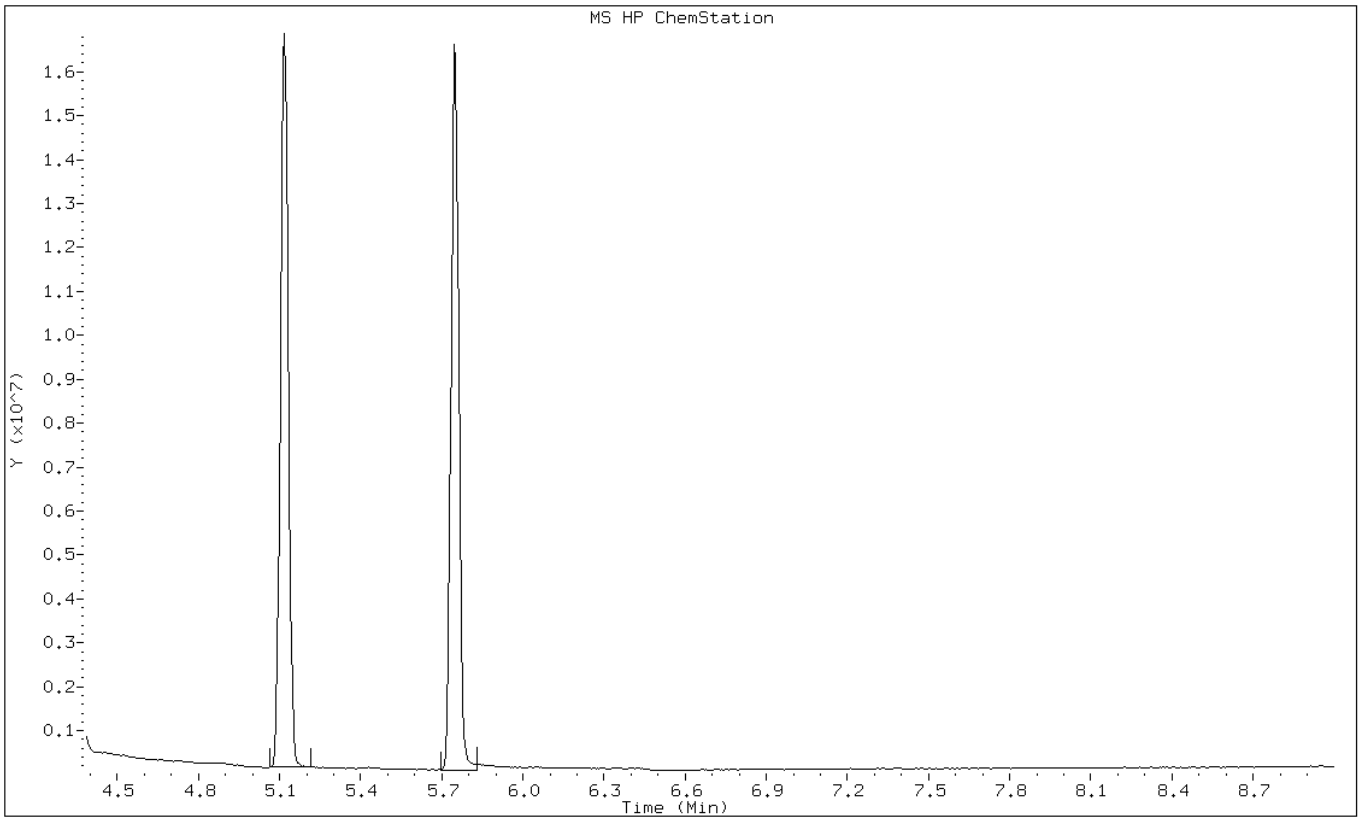
Date: 12-JUN-2013 11:02
Instrument: E.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/E.i/Esvr.p/efvdto15.b/efvd001.d
Spectrum: Avg. Scans 254-256 (5.75), Background Scan 245
Location of Maximum: 95.00
Number of points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	66	83.00	1358	132.00	253	188.00	83
36.00	15818	84.00	44	134.00	816	189.00	207
37.00	91896	85.00	352	135.00	6662	190.00	95
38.00	82456	86.00	1795	136.00	1127	191.00	302
39.00	34744	87.00	79640	137.00	4279	193.00	377
40.00	1700	88.00	85792	138.00	331	194.00	270
41.00	774	89.00	424	139.00	1110	195.00	25
43.00	1024	91.00	10205	140.00	2331	197.00	150
44.00	5106	92.00	85656	141.00	34576	202.00	149
45.00	19384	93.00	134464	142.00	3687	203.00	167
46.00	1022	94.00	355008	143.00	35080	207.00	1923
47.00	18528	95.00	3165184	144.00	2768	208.00	977
48.00	10500	96.00	216512	145.00	3039	209.00	1052
49.00	96736	97.00	6115	146.00	4934	210.00	82
50.00	516288	98.00	416	147.00	2623	211.00	60
51.00	157440	99.00	57	148.00	7340	213.00	102
52.00	5396	101.00	219	149.00	2169	216.00	61
53.00	467	102.00	77	150.00	4265	217.00	159
55.00	4825	103.00	1097	151.00	296	220.00	87
56.00	34488	104.00	11384	152.00	1526	223.00	172
57.00	72856	105.00	4195	153.00	1974	224.00	192
58.00	2970	106.00	11447	154.00	2324	227.00	101
59.00	21	107.00	2976	155.00	9094	230.00	66
60.00	20208	109.00	322	156.00	2294	231.00	51
61.00	110672	110.00	1826	157.00	5533	232.00	201
62.00	113576	111.00	1676	158.00	1519	233.00	67
63.00	97824	112.00	1744	159.00	4785	237.00	77
64.00	8629	113.00	1949	160.00	251	238.00	71
65.00	1758	114.00	62	161.00	4695	241.00	52
66.00	781	115.00	2377	162.00	305	242.00	63
67.00	6494	116.00	10540	163.00	236	245.00	125
68.00	302912	117.00	17504	164.00	298	247.00	89
69.00	305024	118.00	10697	165.00	296	249.00	197
70.00	21720	119.00	16472	167.00	150	250.00	232
71.00	180	120.00	1114	168.00	36	251.00	302
72.00	13018	121.00	376	171.00	205	252.00	69
73.00	115960	122.00	756	172.00	4078	253.00	450
74.00	486720	123.00	1148	173.00	15379	254.00	441
75.00	1553408	124.00	2065	174.00	3013120	256.00	74
76.00	131712	125.00	314	175.00	217600	257.00	29
77.00	13536	126.00	1258	176.00	2931712	260.00	516
78.00	7504	127.00	1103	177.00	185664	261.00	71
79.00	59488	128.00	12227	178.00	5346	265.00	64

80.00	21448	129.00	5375	179.00	542		
81.00	68376	130.00	12935	184.00	67		
82.00	18936	131.00	3832	185.00	144		

Data File:	efvd001.d	Date:	12-JUN-2013 11:02
Client ID:	BFB	Instrument:	E.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-57144/4

Matrix: Air Lab File ID: efvd004.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2013 13:47

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.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.020	U	0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.010	U	0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.010	U	0.010	0.010
71-43-2	Benzene	78.11	0.010	U	0.010	0.010
79-01-6	Trichloroethene	131.39	0.010	U	0.010	0.010
108-88-3	Toluene	92.14	0.010	U	0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.010	U	0.010	0.010
100-41-4	Ethylbenzene	106.17	0.010	U	0.010	0.010
95-47-6	o-Xylene	106.17	0.010	U	0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.020	U	0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.010	U	0.010	0.010
108-90-7	Chlorobenzene	112.30	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-57144/4

Matrix: Air Lab File ID: efvd004.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2013 13:47

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.: 57144 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.051	U	0.051	0.051
75-35-4	1,1-Dichloroethene	96.94	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
156-59-2	cis-1,2-Dichloroethene	96.94	0.040	U	0.040	0.040
71-43-2	Benzene	78.11	0.032	U	0.032	0.032
79-01-6	Trichloroethene	131.39	0.054	U	0.054	0.054
108-88-3	Toluene	92.14	0.038	U	0.038	0.038
127-18-4	Tetrachloroethene	165.83	0.068	U	0.068	0.068
100-41-4	Ethylbenzene	106.17	0.043	U	0.043	0.043
95-47-6	o-Xylene	106.17	0.043	U	0.043	0.043
179601-23-1	m-Xylene & p-Xylene	106.17	0.087	U	0.087	0.087
1330-20-7	Xylenes, Total	106.17	0.043	U	0.043	0.043
108-90-7	Chlorobenzene	112.30	0.18	U	0.18	0.18

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd004.d
Lab Smp Id: mb
Inj Date : 12-JUN-2013 13:47
Operator : wrd Inst ID: E.i
Smp Info : mb
Misc Info : 500,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	500.00000	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

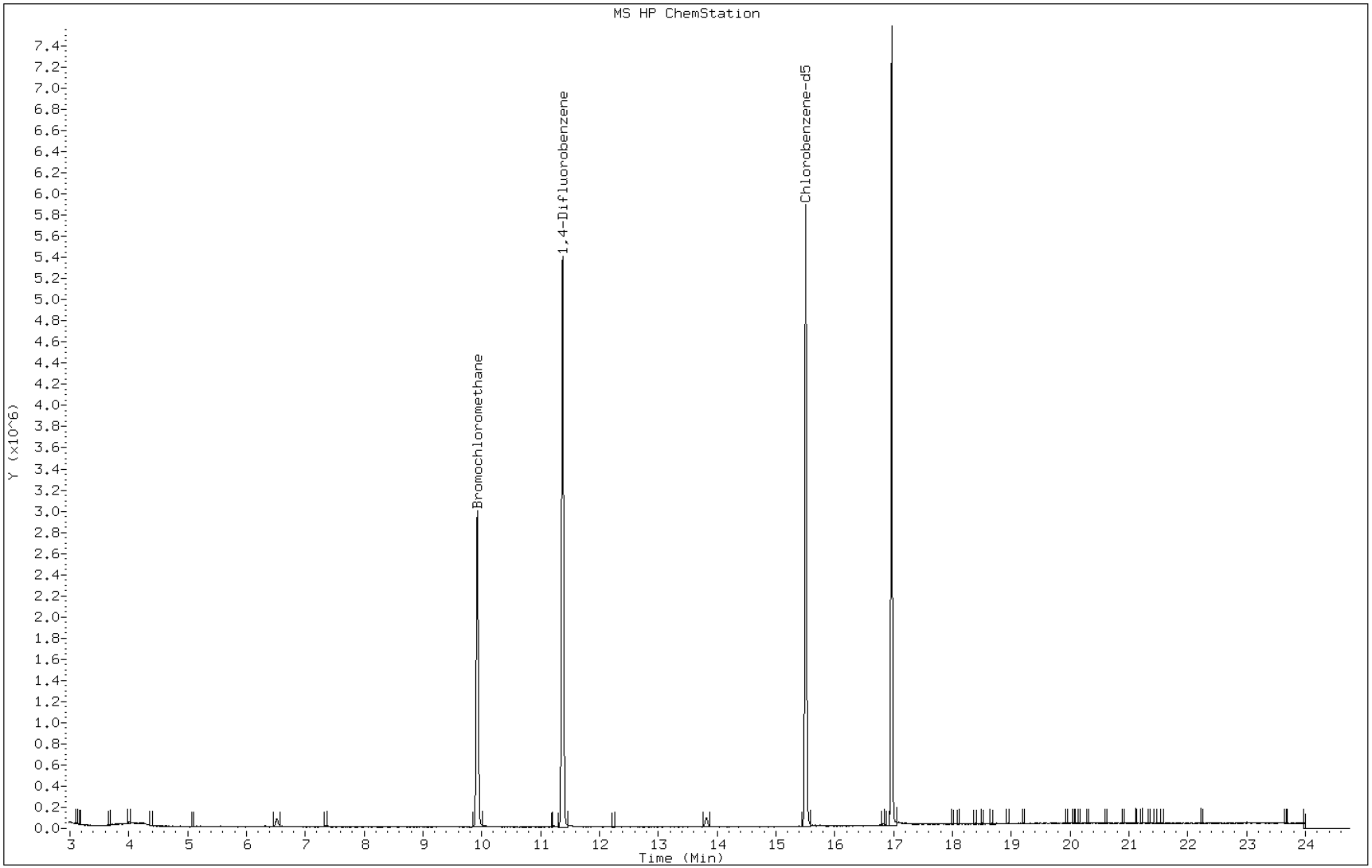
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.174	3.174	(0.320)	5819	0.00559	0.0056(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
7 Vinyl chloride	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.					
22 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	7.363	7.368	(0.742)	9810	0.03234	0.032(a)
27 1,2-Dichloroethene (trans)	61	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
M	33 1,2-Dichloroethene, Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1171596	2.00000	
	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	11.375	11.375	(1.000)	5824596	2.00000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	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	15.505	15.505	(1.000)	4185875	2.00000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylene, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	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.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	efvd004.d	Date:	12-JUN-2013 13:47
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
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.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: LCS 200-57144/3

Matrix: Air Lab File ID: efvd003.d

Analysis Method: TO15 LL Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/12/2013 12:52

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.: 57144 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-01-4	Vinyl chloride	62.50	0.206		0.020	0.020
75-35-4	1,1-Dichloroethene	96.94	0.177		0.010	0.010
156-60-5	trans-1,2-Dichloroethene	96.94	0.177		0.010	0.010
156-59-2	cis-1,2-Dichloroethene	96.94	0.184		0.010	0.010
71-43-2	Benzene	78.11	0.174		0.010	0.010
79-01-6	Trichloroethene	131.39	0.186		0.010	0.010
108-88-3	Toluene	92.14	0.191		0.010	0.010
127-18-4	Tetrachloroethene	165.83	0.208		0.010	0.010
100-41-4	Ethylbenzene	106.17	0.193		0.010	0.010
95-47-6	o-Xylene	106.17	0.200		0.010	0.010
179601-23-1	m-Xylene & p-Xylene	106.17	0.408		0.020	0.020
1330-20-7	Xylenes, Total	106.17	0.608		0.010	0.010
108-90-7	Chlorobenzene	112.30	0.194		0.040	0.040

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/E.i/Esvr.p/efvdto15.b/efvd003.d
Lab Smp Id: lcs 495528
Inj Date : 12-JUN-2013 12:52
Operator : wrd Inst ID: E.i
Smp Info : lcs 495528
Misc Info : 200,1
Comment :
Method : /chem/E.i/Esvr.p/efvdto15.b/to15ll3t.m
Meth Date : 17-Jun-2013 12:18 wrd Quant Type: ISTD
Cal Date : 04-JUN-2013 20:10 Cal File: efv013.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+CRREL.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	Method Sample Volume (mL)
Vf	500.00000	Sample Volume Injected (mL)

Cpnd Variable Local Compound Variable

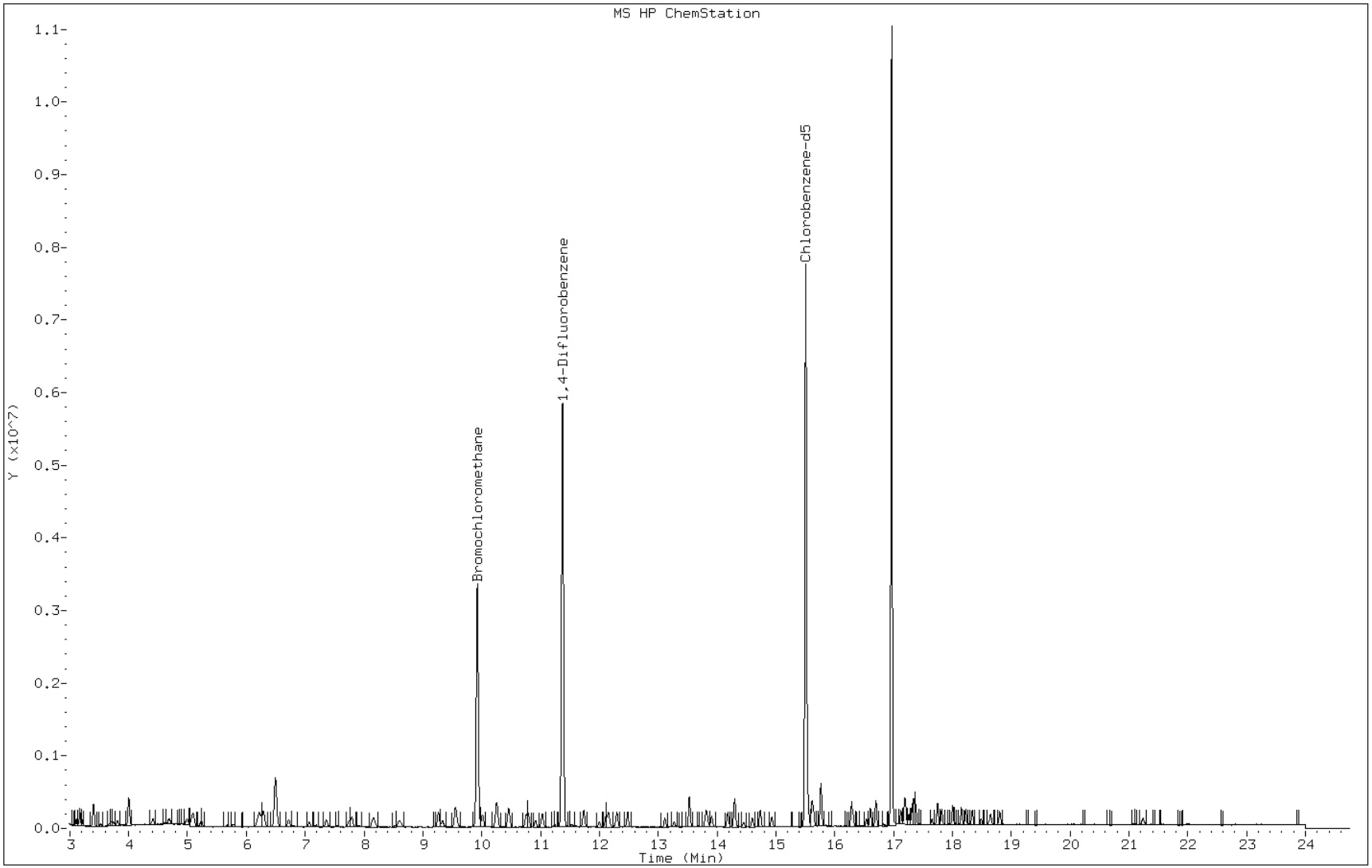
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	CONCENTRATIONS FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	3.169	3.174	(0.319)	207879	0.18274	0.18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.404	3.399	(0.343)	181368	0.18839	0.19
5 Chloromethane	50	3.527	3.543	(0.355)	37662	0.21658	0.22(QM)
7 Vinyl chloride	62	3.741	3.746	(0.377)	48297	0.20569	0.20
8 1,3-Butadiene	54	3.811	3.805	(0.384)	29232	0.18515	0.18
9 Bromomethane	94	4.415	4.415	(0.445)	59231	0.17371	0.17
10 Chloroethane	64	4.619	4.618	(0.465)	23908	0.18354	0.18
12 Vinyl bromide	106	4.993	4.993	(0.503)	65622	0.16513	0.16
13 Trichlorofluoromethane	101	5.100	5.095	(0.514)	241821	0.18904	0.19
17 1,1,2-Trichloro-1,2,2-Trifluo	101	6.218	6.223	(0.626)	158495	0.19653	0.20
19 1,1-Dichloroethene	96	6.282	6.282	(0.633)	62994	0.17700	0.18
22 Allyl chloride	41	7.074	7.074	(0.713)	55205	0.17616	0.18
25 Methylene chloride	49	7.363	7.368	(0.742)	73790	0.22275	0.22
27 1,2-Dichloroethene (trans)	61	7.802	7.807	(0.786)	86917	0.17658	0.18

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/vv)	FINAL (ppb v/v)
	28 Methyl tert-butyl ether	73	7.748	7.753	(0.781)	147924	0.17581	0.18
	30 n-Hexane	57	8.155	8.155	(0.822)	82496	0.17965	0.18
	31 1,1-Dichloroethane	63	8.599	8.599	(0.866)	108785	0.17971	0.18
M	33 1,2-Dichloroethene, Total	61				152696	0.36108	0.36
	34 1,2-Dichloroethene (cis)	96	9.546	9.546	(0.962)	65779	0.18449	0.18
*	36 Bromochloromethane	128	9.925	9.925	(1.000)	1279564	2.00000	
	39 Chloroform	83	10.011	10.011	(1.009)	166222	0.18928	0.19
	40 Cyclohexane	84	10.252	10.252	(0.901)	89896	0.19585	0.20
	41 1,1,1-Trichloroethane	97	10.252	10.252	(0.901)	206765	0.19101	0.19
	42 Carbon tetrachloride	117	10.460	10.460	(0.920)	243242	0.19629	0.20
	43 2,2,4-Trimethylpentane	57	10.760	10.765	(0.946)	245886	0.19859	0.20
	44 Benzene	78	10.797	10.797	(0.949)	179420	0.17364	0.17
	45 1,2-Dichloroethane	62	10.915	10.915	(0.960)	101834	0.19326	0.19
	46 n-Heptane	43	11.022	11.033	(0.969)	88948	0.18348	0.18
*	47 1,4-Difluorobenzene	114	11.375	11.375	(1.000)	6261281	2.00000	
	49 Trichloroethene	95	11.734	11.734	(1.032)	94590	0.18603	0.19
	50 1,2-Dichloropropane	63	12.108	12.108	(1.064)	60100	0.18906	0.19
	54 Bromodichloromethane	83	12.477	12.483	(1.097)	157248	0.17990	0.18
	55 1,3-Dichloropropene (cis)	75	13.109	13.108	(1.152)	82523	0.18370	0.18
	58 Toluene	92	13.537	13.536	(0.873)	129554	0.19114	0.19
	59 1,3-Dichloropropene (trans)	75	13.911	13.916	(1.223)	77773	0.17252	0.17
	60 1,1,2-Trichloroethane	83	14.184	14.178	(0.915)	60097	0.17225	0.17
	61 Tetrachloroethene	166	14.302	14.301	(0.922)	163582	0.20807	0.21
	63 Dibromochloromethane	129	14.729	14.729	(0.950)	161313	0.18766	0.19
	64 1,2-Dibromoethane	107	14.938	14.933	(0.963)	110292	0.18539	0.18
*	65 Chlorobenzene-d5	117	15.505	15.505	(1.000)	5556035	2.00000	
	66 Chlorobenzene	112	15.543	15.585	(1.002)	189268	0.19372	0.19(QM)
	67 Ethylbenzene	91	15.612	15.612	(1.007)	281700	0.19259	0.19
	69 Xylene (m,p)	106	15.767	15.762	(1.017)	216901	0.40823	0.41
M	70 Xylene, Total	106				320398	0.60835	0.61
	71 Xylene (o)	106	16.286	16.281	(1.050)	103497	0.20012	0.20
	73 Bromoform	173	16.607	16.607	(1.071)	135867	0.16980	0.17
	75 1,1,2,2-Tetrachloroethane	83	17.126	17.126	(1.105)	86531	0.15910	0.16
	79 4-Ethyltoluene	105	17.313	17.313	(1.117)	184547	0.16535	0.16
	81 1,3,5-Trimethylbenzene	105	17.378	17.378	(1.121)	159897	0.17336	0.17
	84 1,2,4-Trimethylbenzene	105	17.822	17.843	(1.149)	136506	0.14035	0.14(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	efvd003.d	Date:	12-JUN-2013 12:52
Client ID:		Instrument:	E.i
Operator:	wrd	Inj Vol:	500.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 495528		
Lab Sample ID:	lcs 495528		



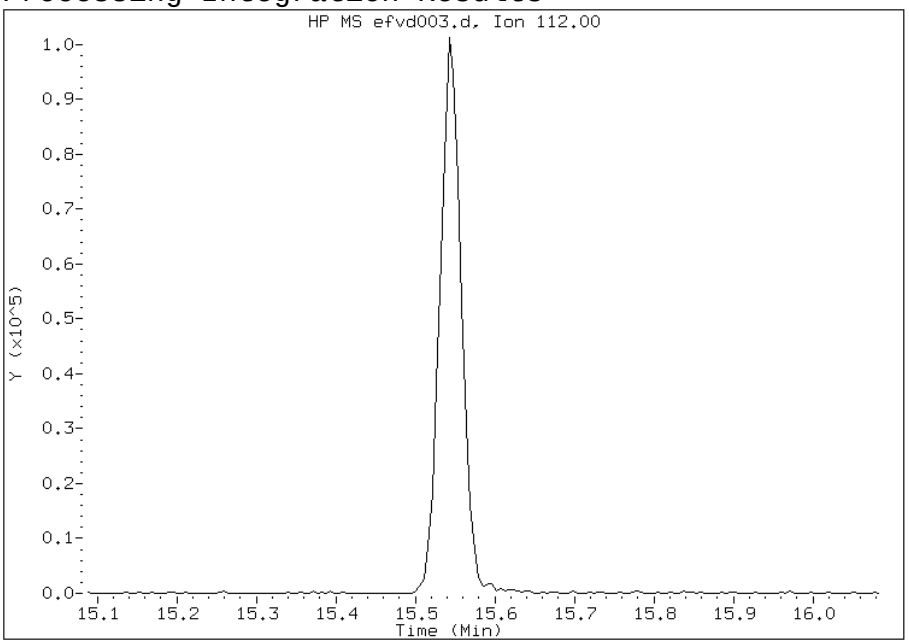
Manual Integration Report

Data File: efvd003.d
Lab Sample ID: lcs 495528
Inj. Date and Time: 12-JUN-2013 12:52
Instrument ID: E.i
Client ID:
Compound: 66 Chlorobenzene
CAS #: 108-90-7
Report Date: 06/17/2013

Processing Integration Results

Not Detected

Expected RT: 15.59



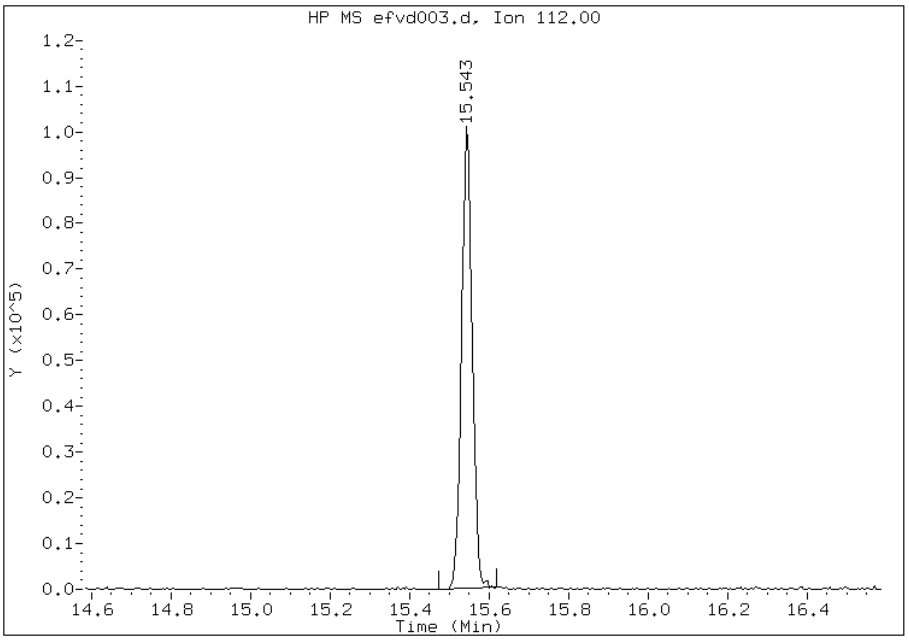
Manual Integration Results

RT: 15.54

Response: 189268

Amount: 0.193723

Conc: 0.193723



File Uploaded By: wrd
Manual Integration Reason: Baseline event

GC/MS INSTRUMENT RUN LOG

Sequence			Standard Traceability	Instrument Information
Batch ID: EFV	Start Date: 6/04/13	Time: 0905	ISTD Lot #: 248059	Instrument ID: E
Test Method: TO15LL	End Date: 6/05/13	Time: 0905	CAL STD Lot # see comments	Instrument: 5973
ICAL Date: 6/04/13			ICV / LCS Lot # see comments	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
0905	EFV 01	N/A	BFB	N/A			WRD	N/A	✓	WRD	
1000	02	4983	VIBLK		6	500		✓	✓		
1055	03	〃	〃		6	500		✓	✓		
1151	04	5455	IC-01		2	100		N/A	✓		#495525
1246	05	〃	-02		2	200		〃	✓		〃
1341	06	〃	-03		2	400		〃	✓		〃
1437	07	5401	-04		3	100		〃	✓		#495526
1532	08	〃	ICIS-05		3	200		〃	✓		〃
1628	09	〃	IC-06		3	500		〃	✓		〃
1724	10	5426	-07		4	187		〃	✓		#487974
1819	11	〃	-08		4	250		〃	✓		〃
1914	12	〃	-09		4	375		〃	✓		〃
2010	13	〃	-10		4	500		〃	✓		〃
2104	14	4983	VIBLK		6	500		✓	✓		
2159	15	5427	ICV		5	200		✓	↑		R #495528
2254	16	〃	ICV		5	200		✓	✓		AG #495528
2349	17	4983	MB	〃	6	500		✓	✓		
0044	18	3437	16694-10	4	7	125		✓	—		R
0139	19	4926	-11	4	8	125		✓	—	〃	R
								PAD		6/05/13	

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

GC/MS INSTRUMENT RUN LOG

#57144

Sequence					Standard Traceability		Instrument Information
Batch ID:	EFVD	Start Date:	6/12/13	Time: 1102	ISTD Lot #:	248059	Instrument ID: E
Test Method:	TO15/26	End Date:	6/13/13	Time: 1102	CAL STD Lot #	495526	Instrument: 5973
ICAL Date:	5/13/7				ICV / LCS Lot #	495528	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	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments / Standard Traceability
1102	5FVD001		BPB	NA	NA	NA	WND	NA	NA	WND	
1156	002	5481	CCV1S		2	200		NA	✓		
1252	003	5437	LCS		3	1		✓	✓		
1347	004	4983	MB		4	500		✓	✓		
1503	005	3275	16861-5	2.99	5	167		✓	✓		
1558	006	4305	-6		6			✓	✓		
1653	007	3236	-7		7			✓	✓		
1749	008	5441	16919-2	4	8	125		✓	✓		
1844	009	2683	-3	4	9	1	↓	✓	✓	↓	

6/13/13

Legend: C=Complete ▪ R=Reanalyze ▪ ↑ = High ▪ ↓= Low ▪ ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/04/2013 09:05

Analysis Batch Number: 56556 End Date: 06/05/2013 01:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56556/1		06/04/2013 09:05	1	efv001.d	RTX-624 0.32(mm)
VIBLK 200-56556/2		06/04/2013 10:00	1		RTX-624 0.32(mm)
VIBLK 200-56556/3		06/04/2013 10:55	1		RTX-624 0.32(mm)
IC 200-56556/4		06/04/2013 11:51	1	efv004.d	RTX-624 0.32(mm)
IC 200-56556/5		06/04/2013 12:46	1	efv005.d	RTX-624 0.32(mm)
IC 200-56556/6		06/04/2013 13:41	1	efv006.d	RTX-624 0.32(mm)
IC 200-56556/7		06/04/2013 14:37	1	efv007.d	RTX-624 0.32(mm)
ICIS 200-56556/8		06/04/2013 15:32	1	efv008.d	RTX-624 0.32(mm)
IC 200-56556/9		06/04/2013 16:28	1	efv009.d	RTX-624 0.32(mm)
IC 200-56556/10		06/04/2013 17:24	1	efv010.d	RTX-624 0.32(mm)
IC 200-56556/11		06/04/2013 18:19	1	efv011.d	RTX-624 0.32(mm)
IC 200-56556/12		06/04/2013 19:14	1	efv012.d	RTX-624 0.32(mm)
IC 200-56556/13		06/04/2013 20:10	1	efv013.d	RTX-624 0.32(mm)
VIBLK 200-56556/14		06/04/2013 21:04	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 21:59	1		RTX-624 0.32(mm)
ICV 200-56556/16		06/04/2013 22:54	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 23:49	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 00:44	4		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 01:39	4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/04/2013 10:00

Analysis Batch Number: 57137 End Date: 06/05/2013 01:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
VIBLK 200-57137/1		06/04/2013 10:00	1		RTX-624 0.32(mm)
VIBLK 200-57137/2		06/04/2013 10:55	1		RTX-624 0.32(mm)
IC 200-57137/3		06/04/2013 11:51	1	efv004.d	RTX-624 0.32(mm)
IC 200-57137/4		06/04/2013 12:46	1	efv005.d	RTX-624 0.32(mm)
IC 200-57137/5		06/04/2013 13:41	1	efv006.d	RTX-624 0.32(mm)
IC 200-57137/6		06/04/2013 14:37	1	efv007.d	RTX-624 0.32(mm)
ICIS 200-57137/7		06/04/2013 15:32	1	efv008.d	RTX-624 0.32(mm)
IC 200-57137/8		06/04/2013 16:28	1	efv009.d	RTX-624 0.32(mm)
IC 200-57137/9		06/04/2013 17:24	1	efv010.d	RTX-624 0.32(mm)
IC 200-57137/10		06/04/2013 18:19	1	efv011.d	RTX-624 0.32(mm)
IC 200-57137/11		06/04/2013 19:14	1	efv012.d	RTX-624 0.32(mm)
IC 200-57137/12		06/04/2013 20:10	1	efv013.d	RTX-624 0.32(mm)
VIBLK 200-57137/13		06/04/2013 21:04	1		RTX-624 0.32(mm)
ZZZZZ		06/04/2013 21:59	1		RTX-624 0.32(mm)
ICV 200-57137/15		06/04/2013 22:54	1	efv016.d	RTX-624 0.32(mm)
ZZZZZ		06/04/2013 23:49	1		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 00:44	4		RTX-624 0.32(mm)
ZZZZZ		06/05/2013 01:39	4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: E.i Start Date: 06/12/2013 11:02

Analysis Batch Number: 57144 End Date: 06/12/2013 18:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-57144/1		06/12/2013 11:02	1	efvd001.d	RTX-624 0.32(mm)
CCVIS 200-57144/2		06/12/2013 11:56	1	efvd002.d	RTX-624 0.32(mm)
LCS 200-57144/3		06/12/2013 12:52	1	efvd003.d	RTX-624 0.32(mm)
MB 200-57144/4		06/12/2013 13:47	1	efvd004.d	RTX-624 0.32(mm)
200-16861-5	CS40811-053013	06/12/2013 15:03	2.99	efvd005.d	RTX-624 0.32(mm)
200-16861-6	DUP-053013	06/12/2013 15:58	2.99	efvd006.d	RTX-624 0.32(mm)
200-16861-7	BG-053013	06/12/2013 16:53	2.99	efvd007.d	RTX-624 0.32(mm)
ZZZZZ		06/12/2013 17:49	4		RTX-624 0.32(mm)
ZZZZZ		06/12/2013 18:44	4		RTX-624 0.32(mm)

Method TO15

Volatile Organic Compounds (GC/MS)
by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Matrix: Air Level: Low Lab File ID: giem004.d

Lab ID: LCS 200-56885/4 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Vinyl chloride	10.0	10.3	103	70-130	
1,1-Dichloroethene	10.0	11.5	115	70-130	
trans-1,2-Dichloroethene	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	10.6	107	70-130	
Benzene	10.0	9.29	93	70-130	
Trichloroethene	10.0	10.3	103	70-130	
Toluene	10.0	9.71	97	70-130	
Tetrachloroethene	10.0	9.46	95	70-130	
Ethylbenzene	10.0	10.0	100	70-130	
m-Xylene & p-Xylene	20.0	19.3	97	70-130	
o-Xylene	10.0	9.55	96	70-130	
Chlorobenzene	10.0	9.81	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: giem005.d Lab Sample ID: MB 200-56885/5

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

Instrument ID: G.i Date Analyzed: 06/10/2013 12:57

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 200-56885/4	giem004.d	06/10/2013 12:10
SV40811-053013	200-16861-1	giem007.d	06/10/2013 14:31
SV40771-053013	200-16861-2	giem008.d	06/10/2013 15:19
SV40812-053013	200-16861-3	giem009.d	06/10/2013 16:05
SV40772-053013	200-16861-4	giem010.d	06/10/2013 16:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: gie001.d BFB Injection Date: 05/17/2013

Instrument ID: G.i BFB Injection Time: 09:46

Analysis Batch No.: 55724

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	13.0	
75	30.0 - 66.0% of mass 95	41.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.5	(0.4)1
174	50.0 - 120.0% of mass 95	104.7	
175	4.0 - 9.0 % of mass 174	7.4	(7.0)1
176	93.0 - 101.0% of mass 174	103.4	(98.7)1
177	5.0 - 9.0% of mass 176	6.7	(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 200-55724/3	gie003.d	05/17/2013	11:22
	IC 200-55724/4	gie004.d	05/17/2013	12:12
	IC 200-55724/5	gie005.d	05/17/2013	13:02
	IC 200-55724/6	gie006.d	05/17/2013	13:52
	ICIS 200-55724/7	gie007.d	05/17/2013	14:42
	IC 200-55724/8	gie008.d	05/17/2013	15:32
	IC 200-55724/9	gie009.d	05/17/2013	16:22
	IC 200-55724/10	gie010.d	05/17/2013	17:12
	ICV 200-55724/15	gie015.d	05/17/2013	21:21

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab File ID: giem001.d BFB Injection Date: 06/10/2013

Instrument ID: G.i BFB Injection Time: 09:23

Analysis Batch No.: 56885

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	12.1	
75	30.0 - 66.0% of mass 95	39.8	
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	0.4	(0.4)1
174	50.0 - 120.0% of mass 95	109.5	
175	4.0 - 9.0 % of mass 174	7.8	(7.1)1
176	93.0 - 101.0% of mass 174	108.2	(98.7)1
177	5.0 - 9.0% of mass 176	7.1	(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 200-56885/3	giem003.d	06/10/2013	10:57
	LCS 200-56885/4	giem004.d	06/10/2013	12:10
	MB 200-56885/5	giem005.d	06/10/2013	12:57
SV40811-053013	200-16861-1	giem007.d	06/10/2013	14:31
SV40771-053013	200-16861-2	giem008.d	06/10/2013	15:19
SV40812-053013	200-16861-3	giem009.d	06/10/2013	16:05
SV40772-053013	200-16861-4	giem010.d	06/10/2013	16:52

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: ICIS 200-55724/7 Date Analyzed: 05/17/2013 14:42

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): gie007.d Heated Purge: (Y/N) N

Calibration ID: 21765

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		617845	10.83	3659543	12.91	3457464	19.07
UPPER LIMIT		864983	11.16	5123360	13.24	4840450	19.40
LOWER LIMIT		370707	10.50	2195726	12.58	2074478	18.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-55724/15		638955	10.83	3814293	12.91	3601006	19.06

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Sample No.: CCVIS 200-56885/3 Date Analyzed: 06/10/2013 10:57

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): giem003.d Heated Purge: (Y/N) N

Calibration ID: 21765

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		517766	10.81	3120448	12.89	3047920	19.05
UPPER LIMIT		724872	11.14	4368627	13.22	4267088	19.38
LOWER LIMIT		310660	10.48	1872269	12.56	1828752	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56885/4		525361	10.81	3312006	12.89	3251635	19.05
MB 200-56885/5		527784	10.81	3327602	12.89	3072671	19.04
200-16861-1	SV40811-053013	529624	10.81	3204604	12.89	3016063	19.05
200-16861-2	SV40771-053013	526707	10.81	3242273	12.89	3077239	19.05
200-16861-3	SV40812-053013	523240	10.81	3247639	12.89	3089064	19.05
200-16861-4	SV40772-053013	517750	10.81	3238290	12.89	3020372	19.04

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40811-053013 Lab Sample ID: 200-16861-1

Matrix: Air Lab File ID: giem007.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:12

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 14:31

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.3		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	1.4		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.13		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.21		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.25	J	0.50	0.022
95-47-6	o-Xylene	106.17	1.7		0.20	0.016
1330-20-7	Xylenes, Total	106.17	1.9		0.20	0.016
108-90-7	Chlorobenzene	112.30	4.7		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40811-053013 Lab Sample ID: 200-16861-1

Matrix: Air Lab File ID: giem007.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:12

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 14:31

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	17		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	5.3		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.87		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.91		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.1	J	2.2	0.096
95-47-6	o-Xylene	106.17	7.2		0.87	0.069
1330-20-7	Xylenes, Total	106.17	8.2		0.87	0.069
108-90-7	Chlorobenzene	112.30	21		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-1
Client Smp ID: SV40811-053013
Inj Date : 10-JUN-2013 14:31
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-1
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.145	3.156	(0.291)	46206	0.53775	0.54
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.589	3.595	(0.332)	3619	0.20900	0.21(a)
6 Butane	43	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.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.462	5.467	(0.505)	31998	0.30755	0.31
14 Pentane	43	Compound Not Detected.					

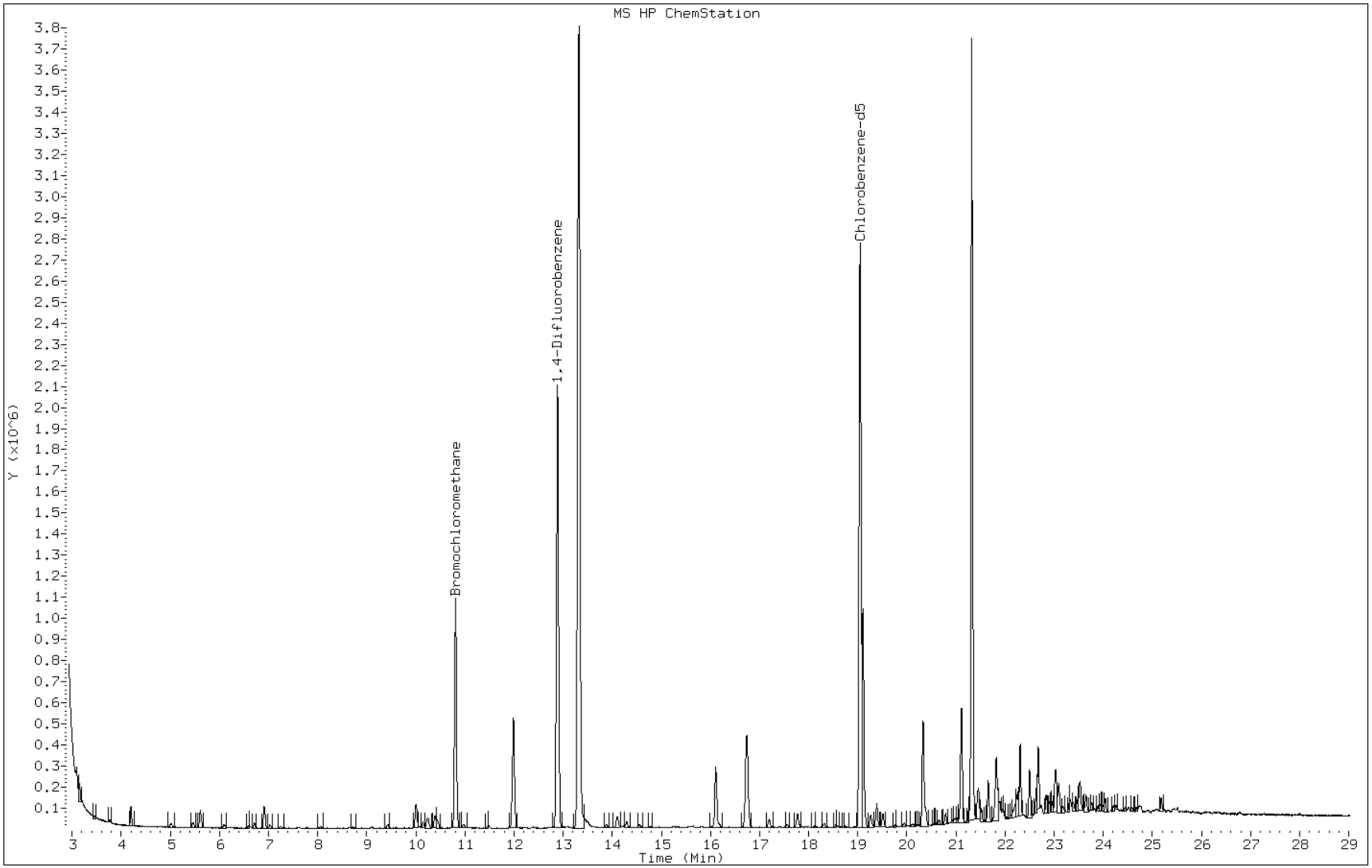
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.612	6.617	(0.612)	6198	0.09341	0.093(a)
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	6.912	6.928	(0.640)	168540	4.84814	4.8(a)
	21 Carbon disulfide	76	7.029	7.040	(0.650)	28123	0.34634	0.35(a)
	22 Isopropanol	45	7.249	7.254	(0.671)	14022	0.64146	0.64(a)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	7.794	7.800	(0.721)	1845	0.07757	0.078(a)
	26 Tert-butyl alcohol	59	8.056	8.062	(0.746)	14260	0.35719	0.36(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	8.650	8.656	(0.800)	2612	0.08377	0.084(aQ)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.383	10.416	(0.961)	30900	1.72058	1.7
*	37 Bromochloromethane	128	10.806	10.828	(1.000)	529624	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	11.988	12.004	(0.930)	798990	5.30180	5.3
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	12.384	12.390	(0.961)	4271	0.06417	0.064(aM)
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3204604	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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	15.824	15.835	(1.228)	4430	0.04247	0.042(a)
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	16.108	16.124	(0.846)	215335	1.39517	1.4
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.194	17.215	(0.903)	21800	0.12814	0.13(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.557	17.584	(0.922)	13936	0.17199	0.17(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3016063	10.0000	
66	Chlorobenzene	112	19.104	19.125	(1.003)	997644	4.66139	4.7
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.264	19.280	(1.011)	66867	0.20997	0.21
69	Xylene (m,p)	106	19.521	19.532	(1.025)	32279	0.24724	0.25(a)
M 70	Xylenes, Total	106				253638	1.89828	1.9
71	Xylene (o)	106	20.329	20.345	(1.067)	221359	1.65105	1.7
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	20.976	20.987	(1.101)	13470	0.03637	0.036(a)
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	202231	0.50755	0.51
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	21.837	21.853	(1.146)	44860	0.13845	0.14(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.939	21.955	(1.152)	23924	0.07687	0.077(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	90444	0.30279	0.30
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	55496	0.32003	0.32
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.512	23.528	(1.234)	73922	0.26592	0.27
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	36991	0.18557	0.19(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

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:	giem007.d	Date:	10-JUN-2013 14:31
Client ID:	SV40811-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-1		
Lab Sample ID:	200-16861-1		



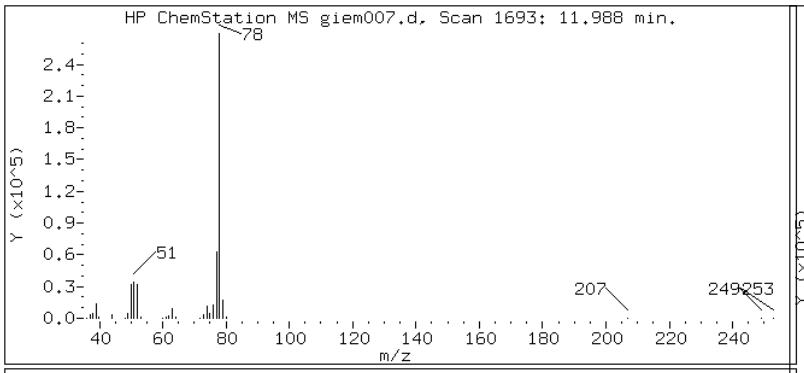
Data File: giem007.d

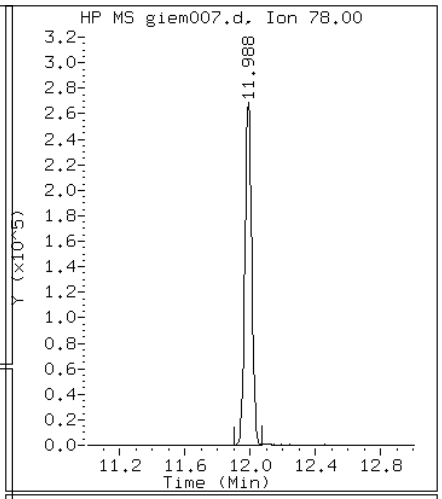
Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

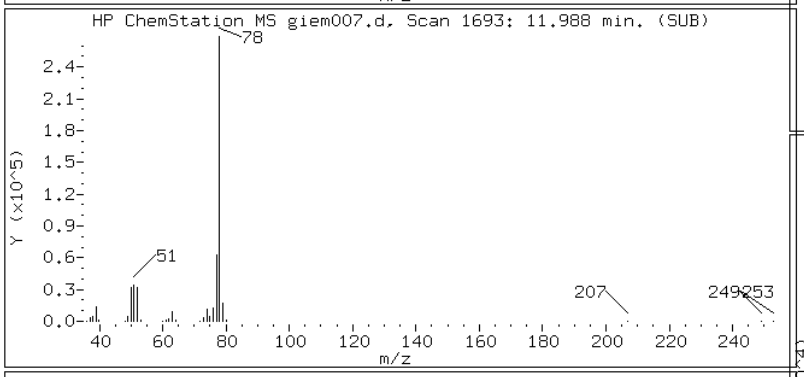
Client ID: SV40811-053013 Instrument: G.i

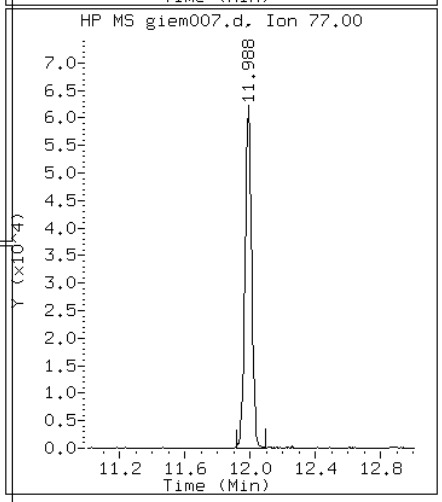
Sample Info: 200-16861-A-1 Operator: WRD

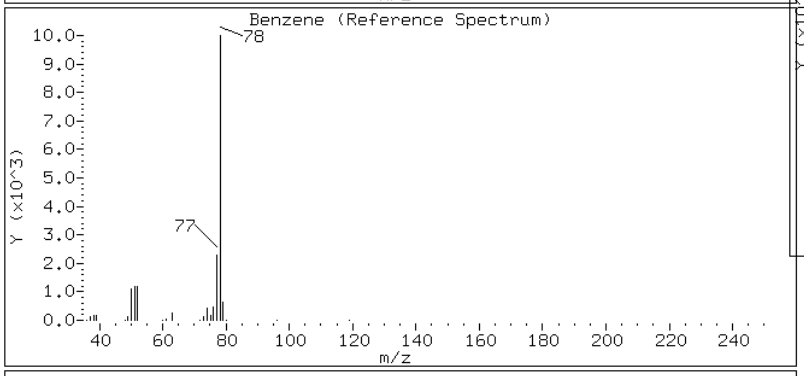
44 Benzene

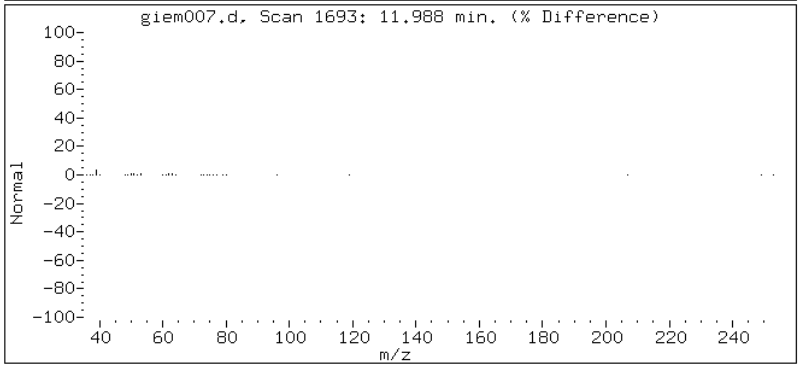












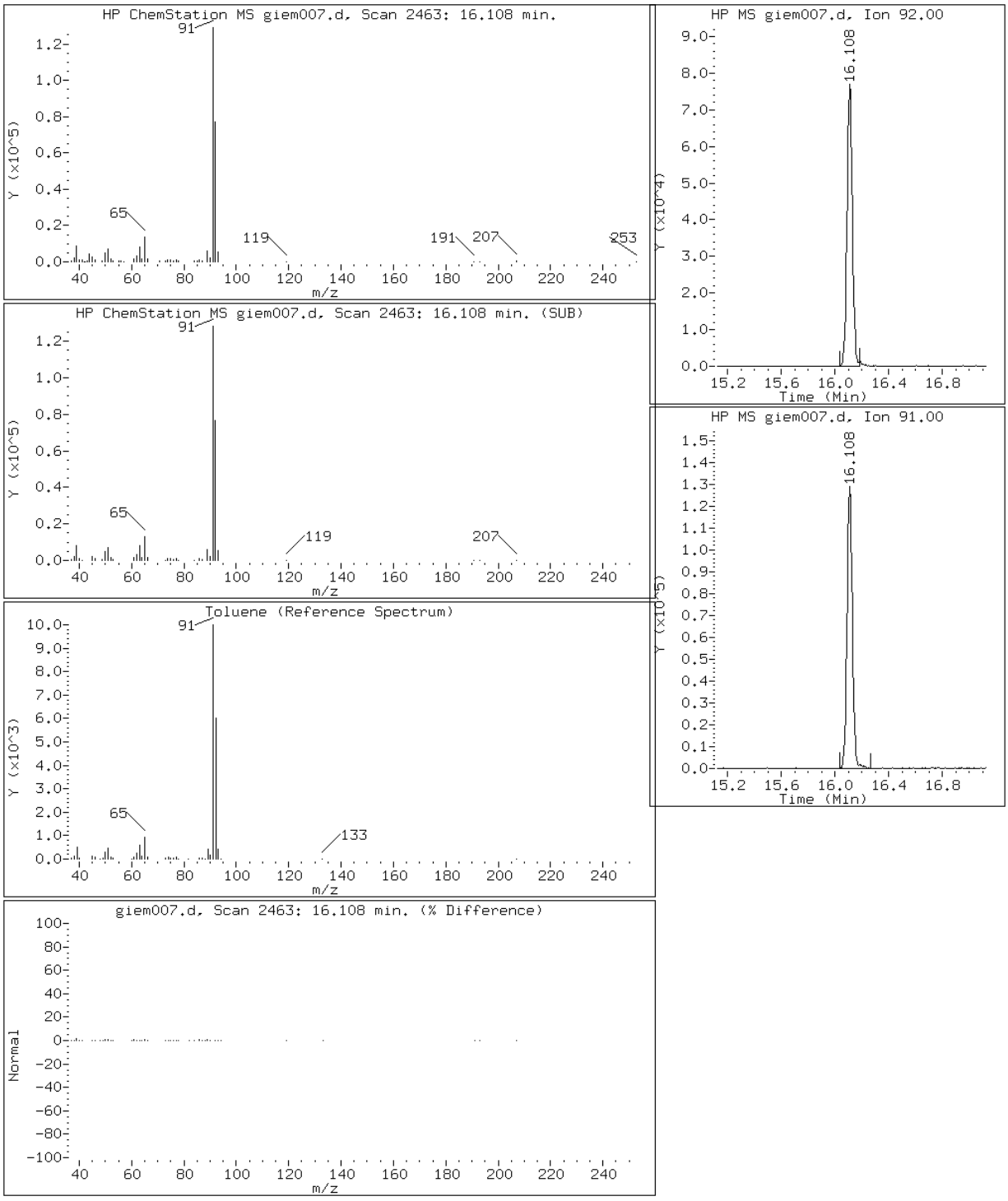
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

58 Toluene



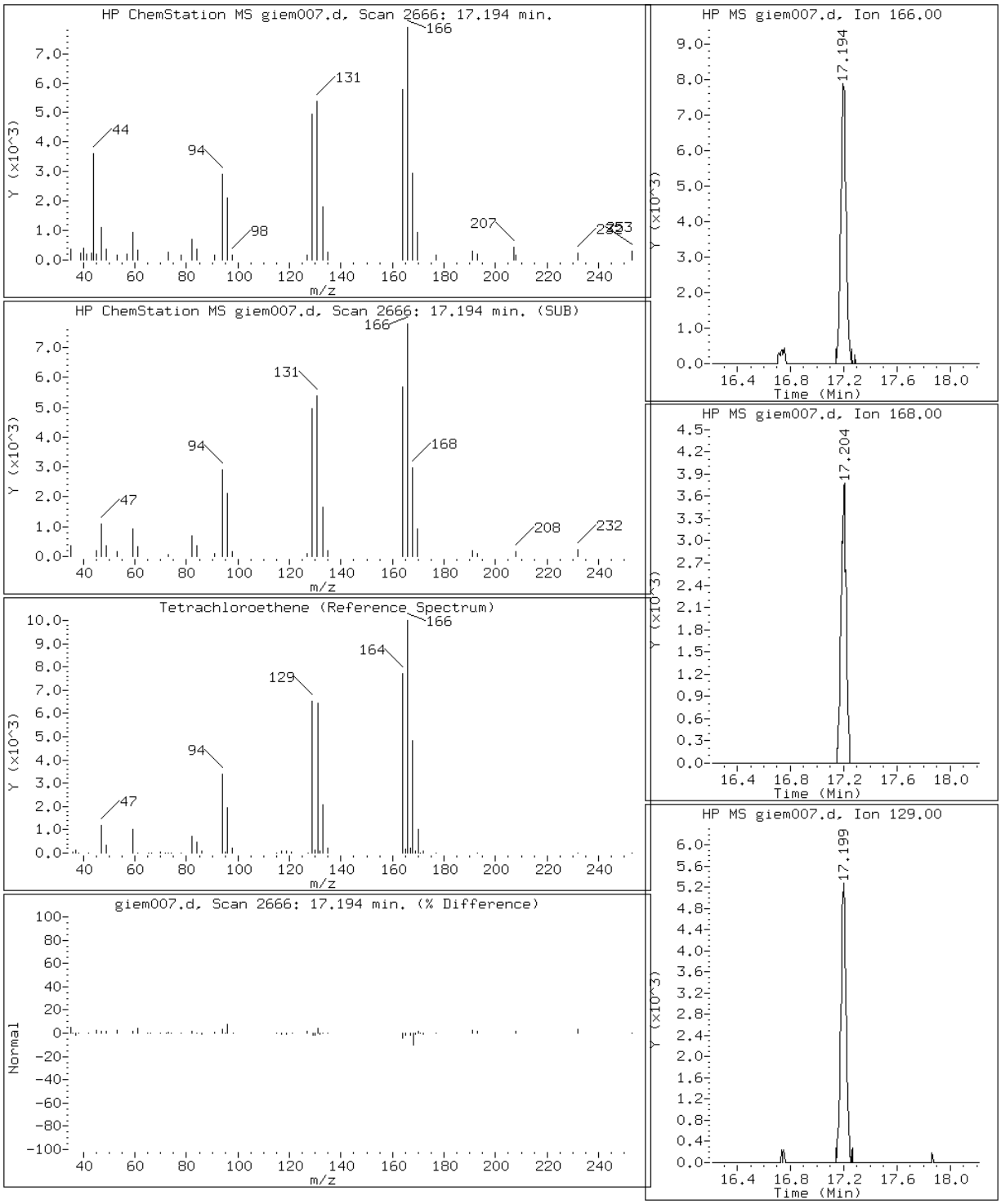
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

61 Tetrachloroethene



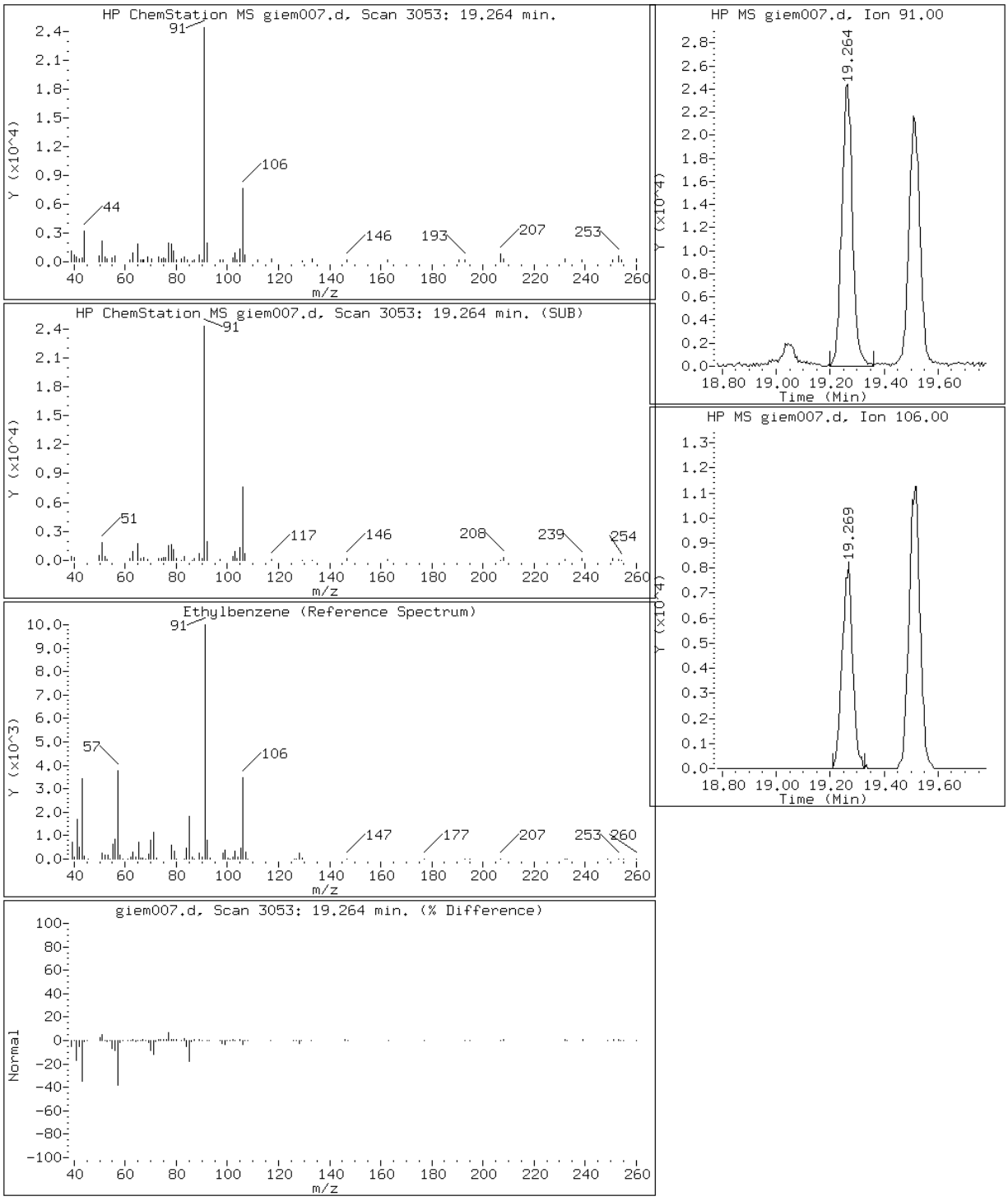
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

68 Ethylbenzene



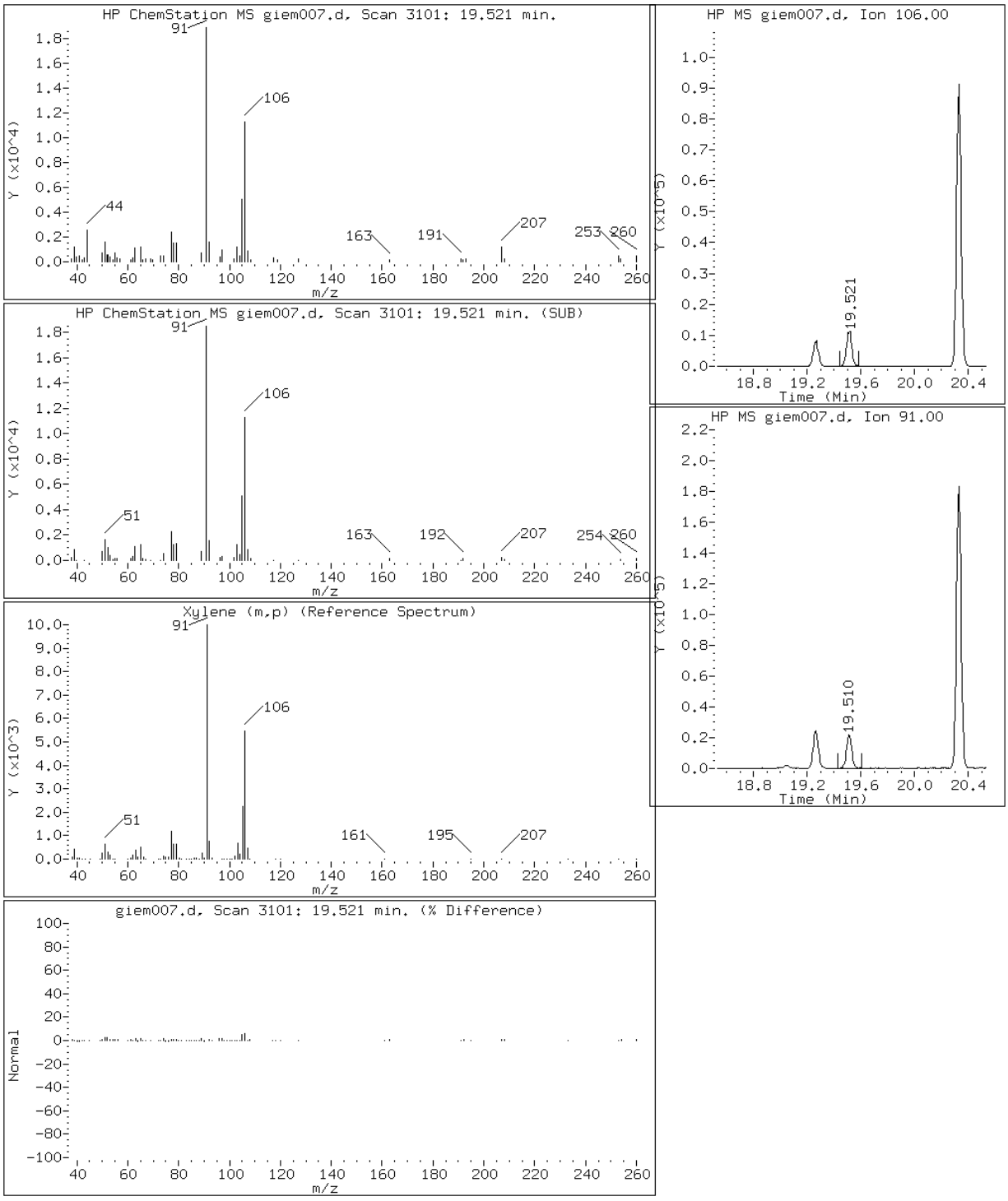
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

69 Xylene (m,p)



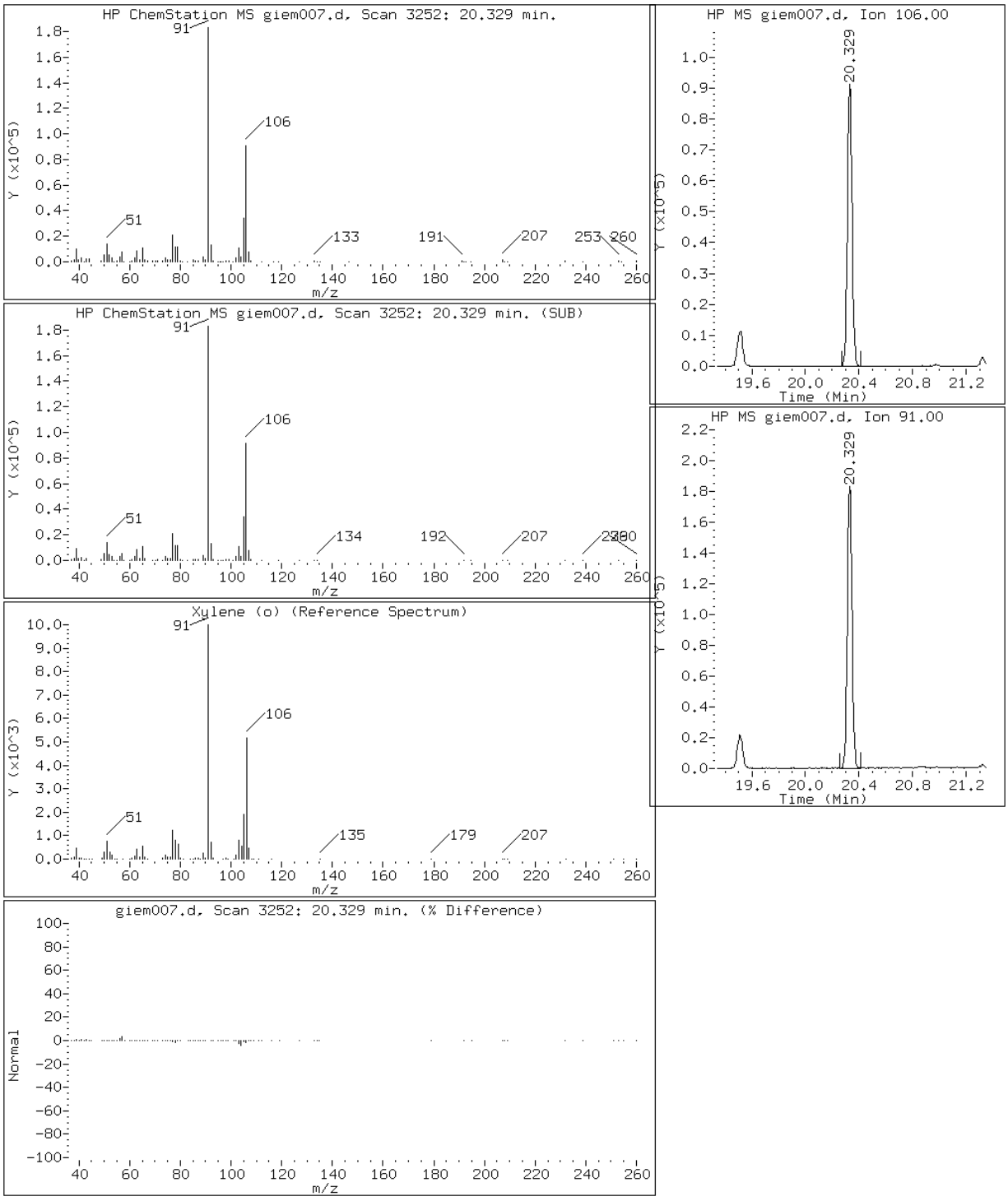
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

71 Xylene (o)



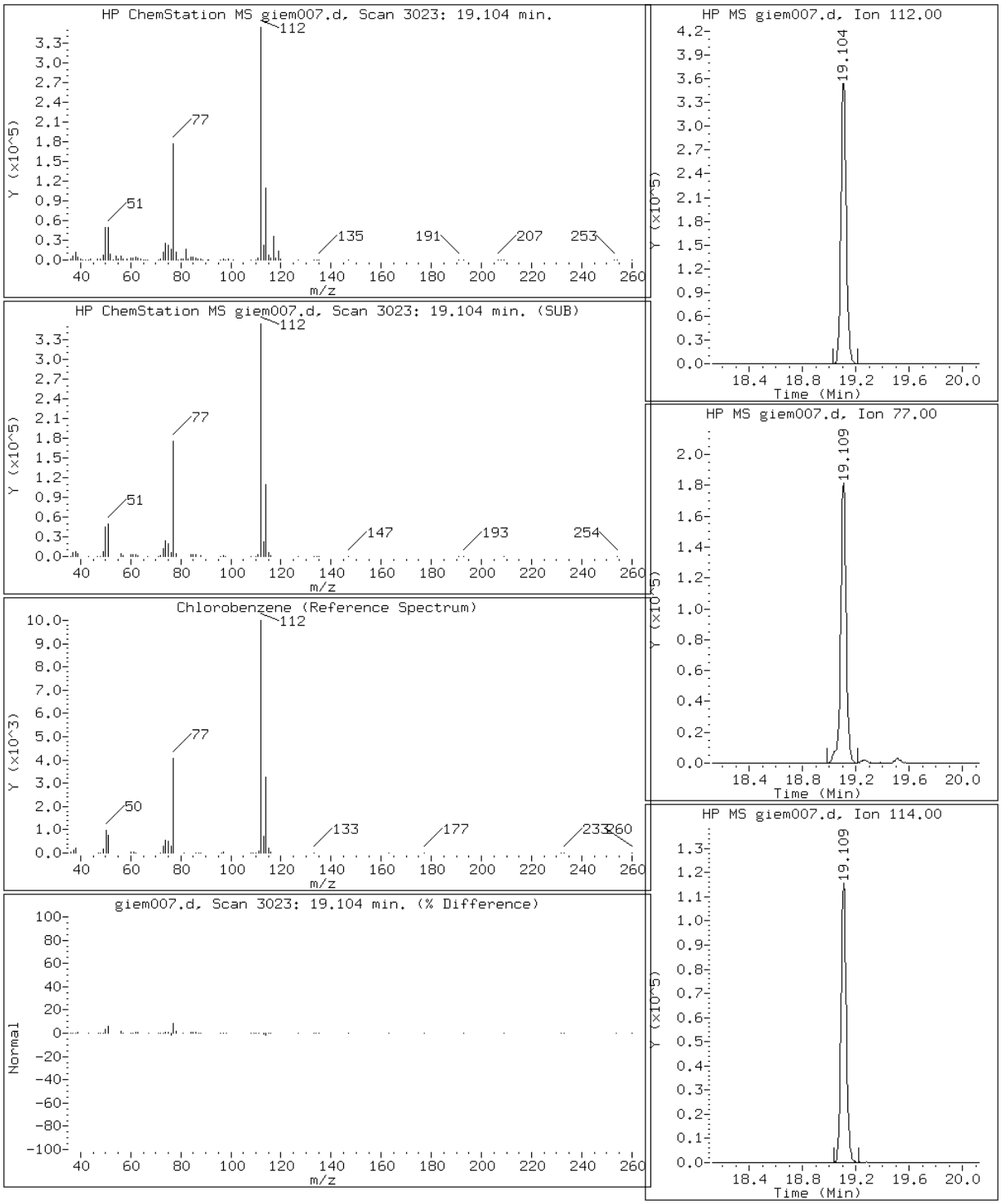
Data File: giem007.d

Lab Sample ID: 200-16861-1 Date: 10-JUN-2013 14:31

Client ID: SV40811-053013 Instrument: G.i

Sample Info: 200-16861-A-1 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40771-053013 Lab Sample ID: 200-16861-2

Matrix: Air Lab File ID: giem008.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:27

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 15:19

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.8		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	2.9		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.070		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.26		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.44	J	0.50	0.022
95-47-6	o-Xylene	106.17	1.7		0.20	0.016
1330-20-7	Xylenes, Total	106.17	2.2		0.20	0.016
108-90-7	Chlorobenzene	112.30	5.2		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40771-053013 Lab Sample ID: 200-16861-2

Matrix: Air Lab File ID: giem008.d

Analysis Method: TO-15 Date Collected: 05/30/2013 11:27

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 15:19

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	18		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	11		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.48		0.27	0.10
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	1.9	J	2.2	0.096
95-47-6	o-Xylene	106.17	7.6		0.87	0.069
1330-20-7	Xylenes, Total	106.17	9.5		0.87	0.069
108-90-7	Chlorobenzene	112.30	24		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-2
Client Smp ID: SV40771-053013
Inj Date : 10-JUN-2013 15:19
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-2
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	3.124	3.156	(0.289)	46248	0.54122	0.54
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	3.793	3.814	(0.351)	473958	19.2395	19
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.					
11	2-Methylbutane	43	5.007	5.018	(0.463)	67953	3.98173	4.0
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	5.446	5.467	(0.504)	13094	0.12655	0.13(a)
14	Pentane	43	5.617	5.622	(0.520)	66025	2.24060	2.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.104	6.120	(0.565)	170619	26.6764	27
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.612)	4009	0.06076	0.061(aM)
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	6.922	6.928	(0.640)	216698	6.26796	6.3
21	Carbon disulfide	76	7.029	7.040	(0.650)	491419	6.08551	6.1
22	Isopropanol	45	7.249	7.254	(0.670)	21283	0.97902	0.98(a)
23	Allyl chloride	41	Compound Not Detected.					
24	Acetonitrile	41	Compound Not Detected.					
25	Methylene chloride	49	7.778	7.800	(0.719)	1973	0.08341	0.083(a)
26	Tert-butyl alcohol	59	8.056	8.062	(0.745)	19349	0.48734	0.49(aQ)
27	Methyl tert-butyl ether	73	Compound Not Detected.					
28	1,2-Dichloroethene (trans)	61	Compound Not Detected.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	8.650	8.656	(0.800)	38045	1.22694	1.2
31	1,1-Dichloroethane	63	Compound Not Detected.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.394	10.416	(0.961)	43486	2.43481	2.4(Q)
* 37	Bromochloromethane	128	10.812	10.828	(1.000)	526707	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	Compound Not Detected.					
40	Cyclohexane	84	11.197	11.207	(0.868)	57469	1.02000	1.0(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	11.994	12.004	(0.930)	878380	5.76088	5.8
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	12.379	12.390	(0.960)	143052	2.12432	2.1
* 47	1,4-Difluorobenzene	114	12.893	12.909	(1.000)	3242273	10.0000	
48	n-Butanol	56	13.321	13.342	(1.033)	4819396	256.890	260(A)
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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.					
57	n-Octane	43	16.167	16.183	(1.254)	75549	0.68402	0.68
58	Toluene	92	16.113	16.124	(0.846)	461144	2.92838	2.9
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	17.199	17.215	(0.903)	12170	0.07011	0.070(a)
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3077239	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	1133755	5.19204	5.2
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.259	19.280	(1.011)	84551	0.26023	0.26
69	Xylene (m,p)	106	19.510	19.532	(1.024)	58239	0.43721	0.44
M 70	Xylenes, Total	106				297382	2.18544	2.2
71	Xylene (o)	106	20.334	20.345	(1.067)	239143	1.74823	1.7
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	218586	0.53769	0.54
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	Compound Not Detected.					
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	49280	0.14907	0.15(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	32645	0.10281	0.10(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	96544	0.31678	0.32
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	66442	0.37553	0.38
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.517	23.528	(1.234)	72749	0.25650	0.26
92	1,2-Dichlorobenzene	146	23.651	23.656	(1.242)	43695	0.21484	0.21
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

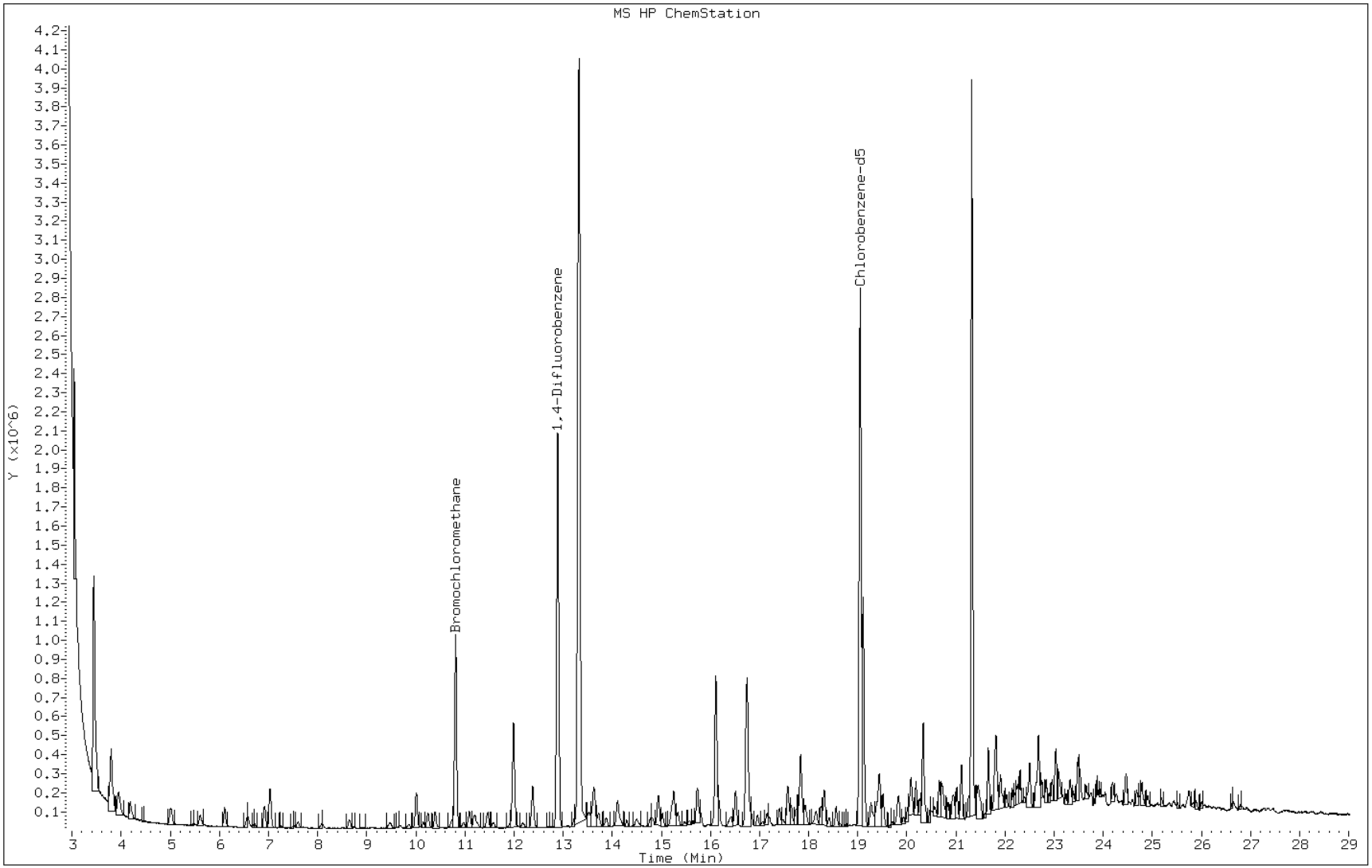
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

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:	giem008.d	Date:	10-JUN-2013 15:19
Client ID:	SV40771-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-2		
Lab Sample ID:	200-16861-2		



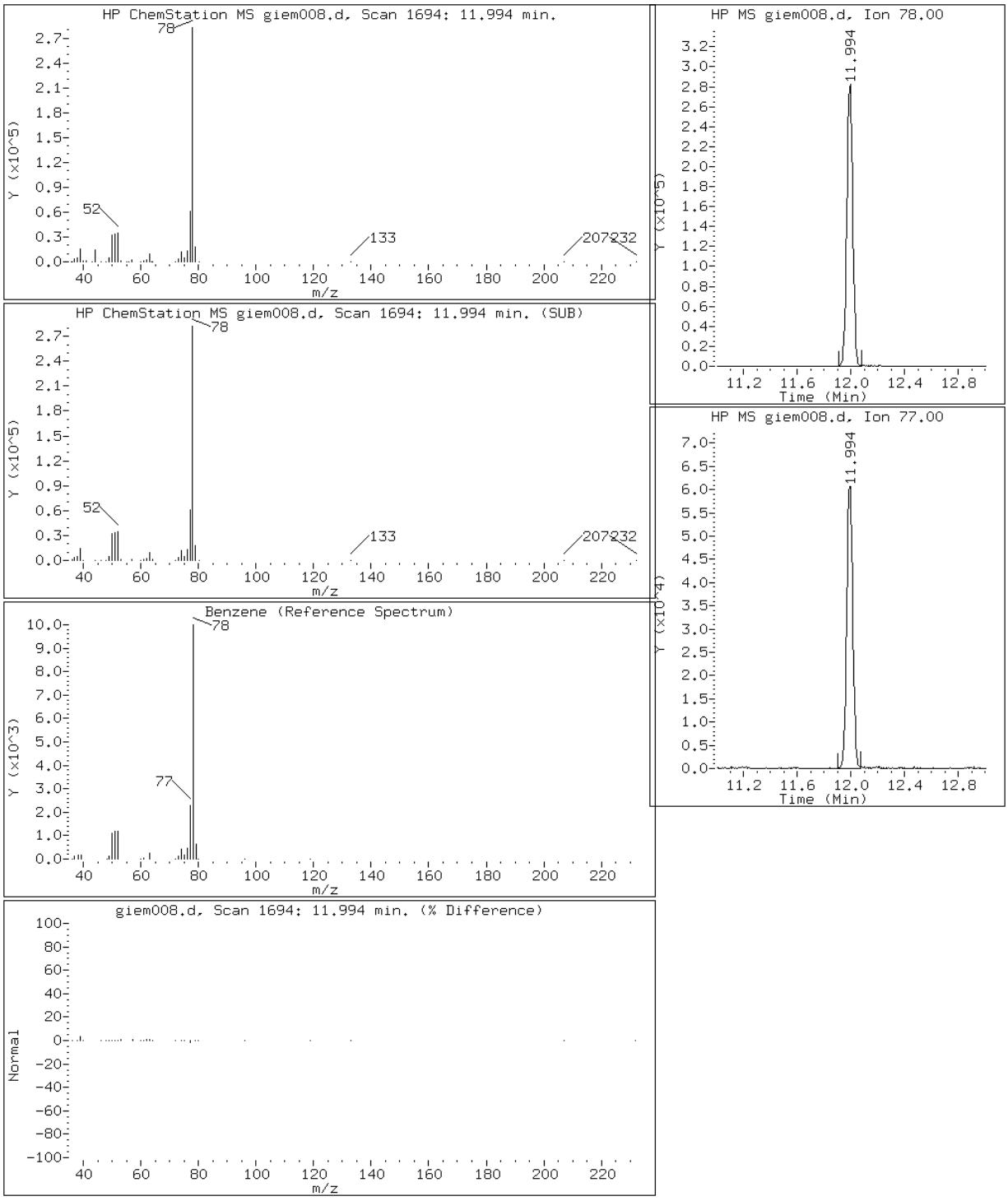
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

44 Benzene



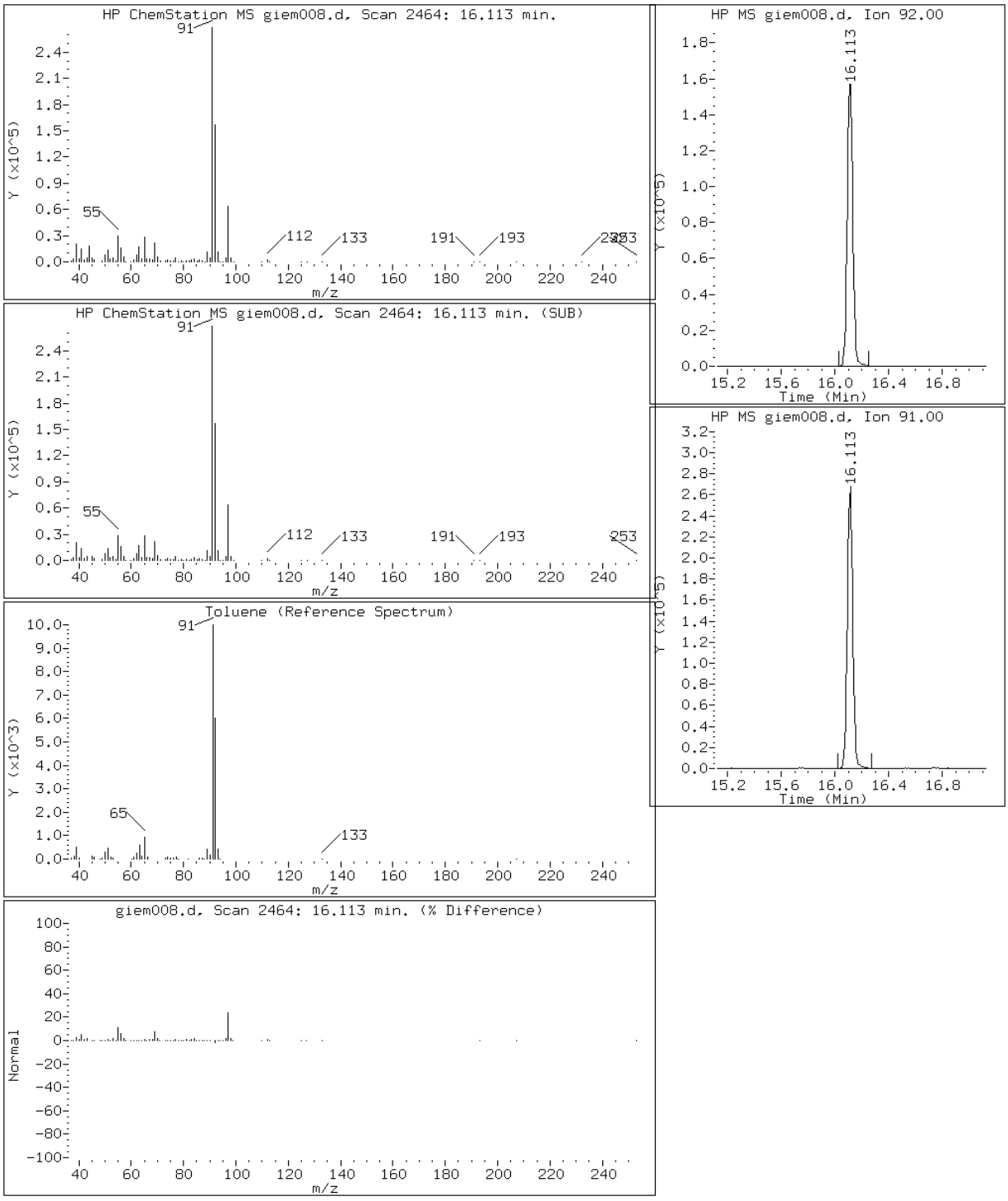
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

58 Toluene



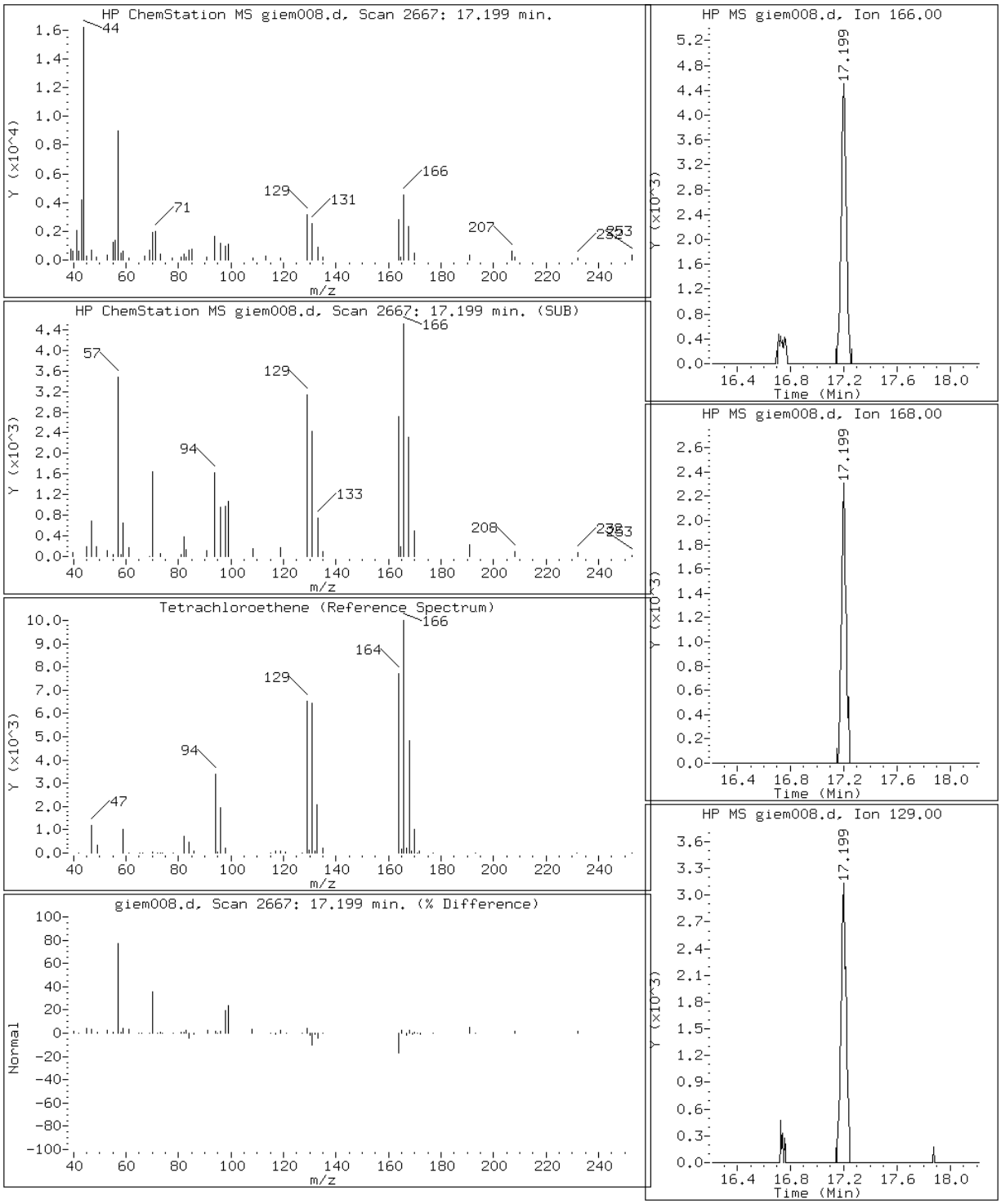
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

61 Tetrachloroethene



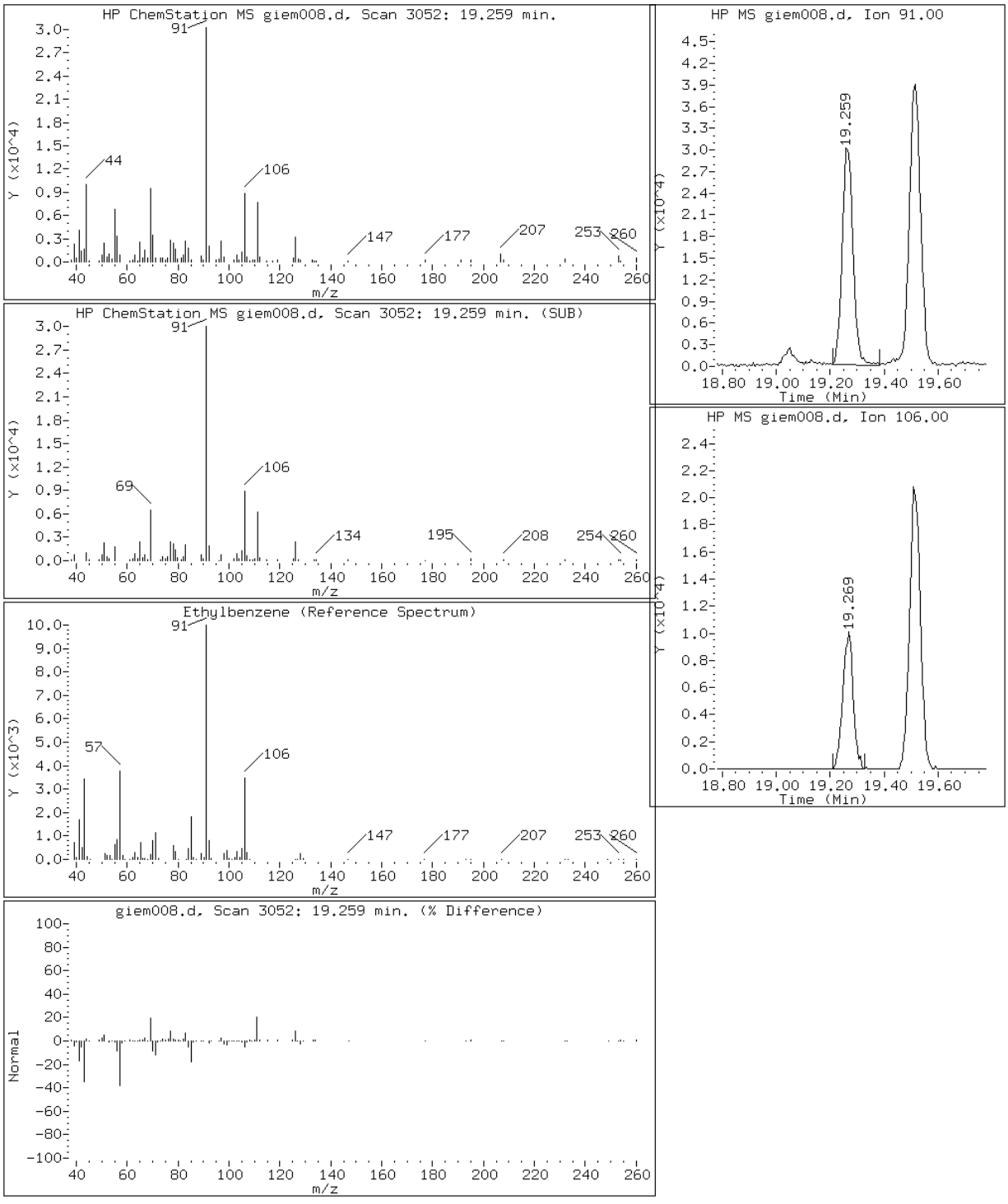
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

68 Ethylbenzene



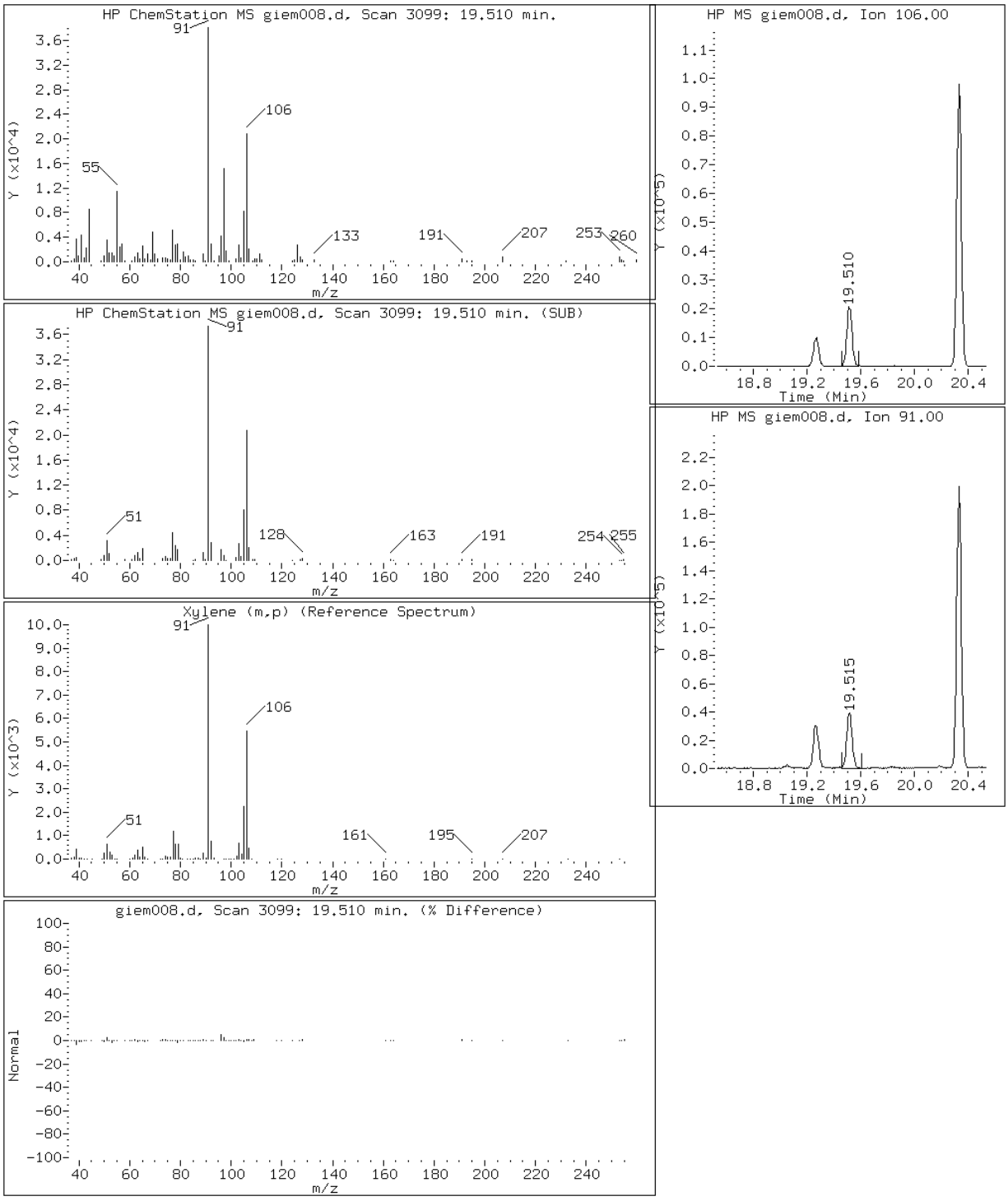
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

69 Xylene (m,p)



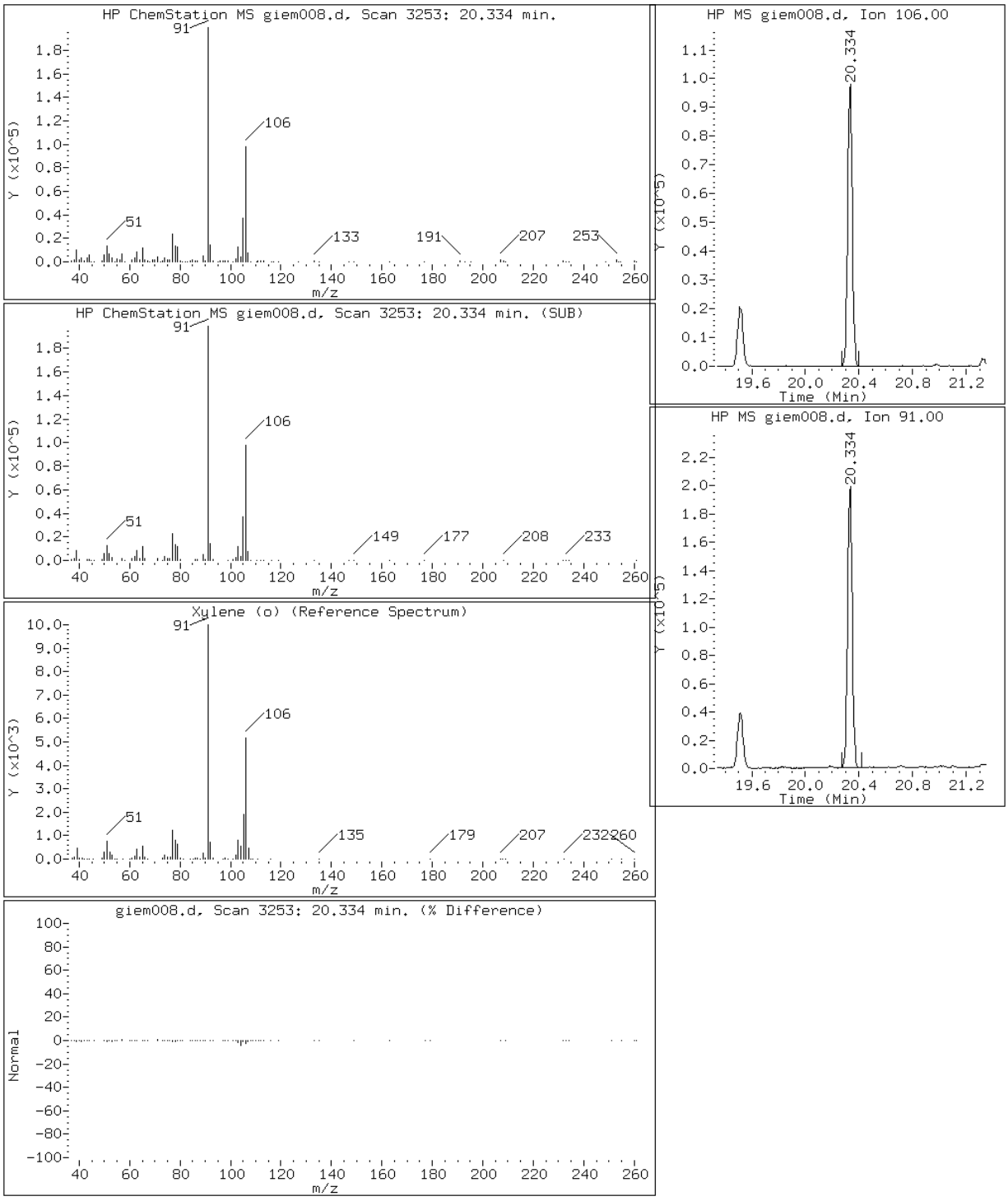
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

71 Xylene (o)



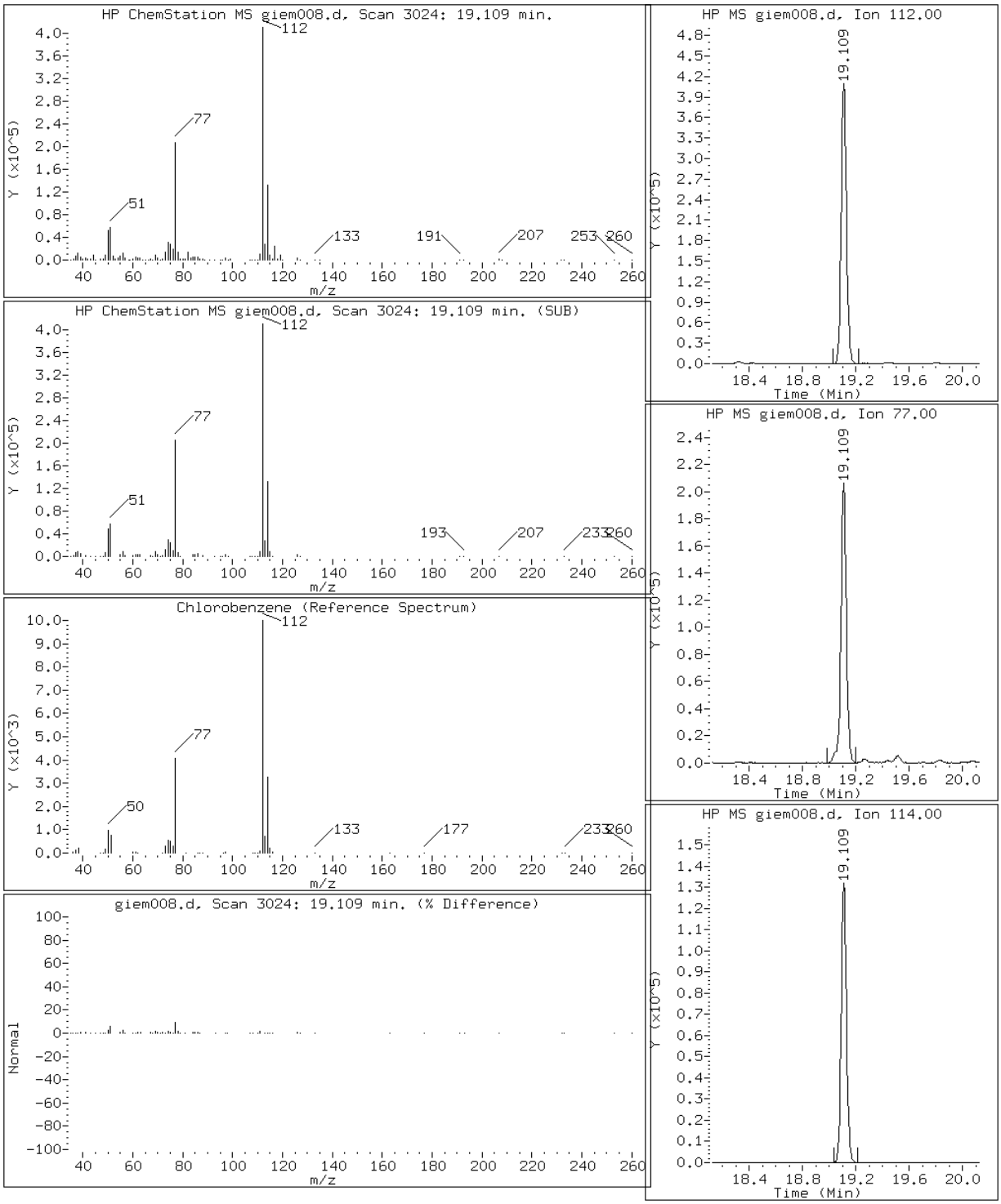
Data File: giem008.d

Lab Sample ID: 200-16861-2 Date: 10-JUN-2013 15:19

Client ID: SV40771-053013 Instrument: G.i

Sample Info: 200-16861-A-2 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40812-053013 Lab Sample ID: 200-16861-3

Matrix: Air Lab File ID: giem009.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:25

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:05

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	5.9		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	3.7		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.079		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.34		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.70		0.50	0.022
95-47-6	o-Xylene	106.17	1.5		0.20	0.016
1330-20-7	Xylenes, Total	106.17	2.2		0.20	0.016
108-90-7	Chlorobenzene	112.30	4.7		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40812-053013 Lab Sample ID: 200-16861-3

Matrix: Air Lab File ID: giem009.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:25

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:05

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	19		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	14		0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.54		0.27	0.10
100-41-4	Ethylbenzene	106.17	1.5		0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	3.0		2.2	0.096
95-47-6	o-Xylene	106.17	6.5		0.87	0.069
1330-20-7	Xylenes, Total	106.17	9.6		0.87	0.069
108-90-7	Chlorobenzene	112.30	22		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-3
Client Smp ID: SV40812-053013
Inj Date : 10-JUN-2013 16:05
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-3
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.151	3.156	(0.291)	46332	0.54579	0.55
3 Chlorodifluoromethane	51	3.210	3.215	(0.297)	152657	4.39762	4.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	3.809	3.814	(0.352)	29600	1.20952	1.2
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.					
11 2-Methylbutane	43	5.018	5.018	(0.464)	49605	2.92588	2.9
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.456	5.467	(0.505)	40086	0.38999	0.39
14 Pentane	43	5.617	5.622	(0.520)	114101	3.89775	3.9

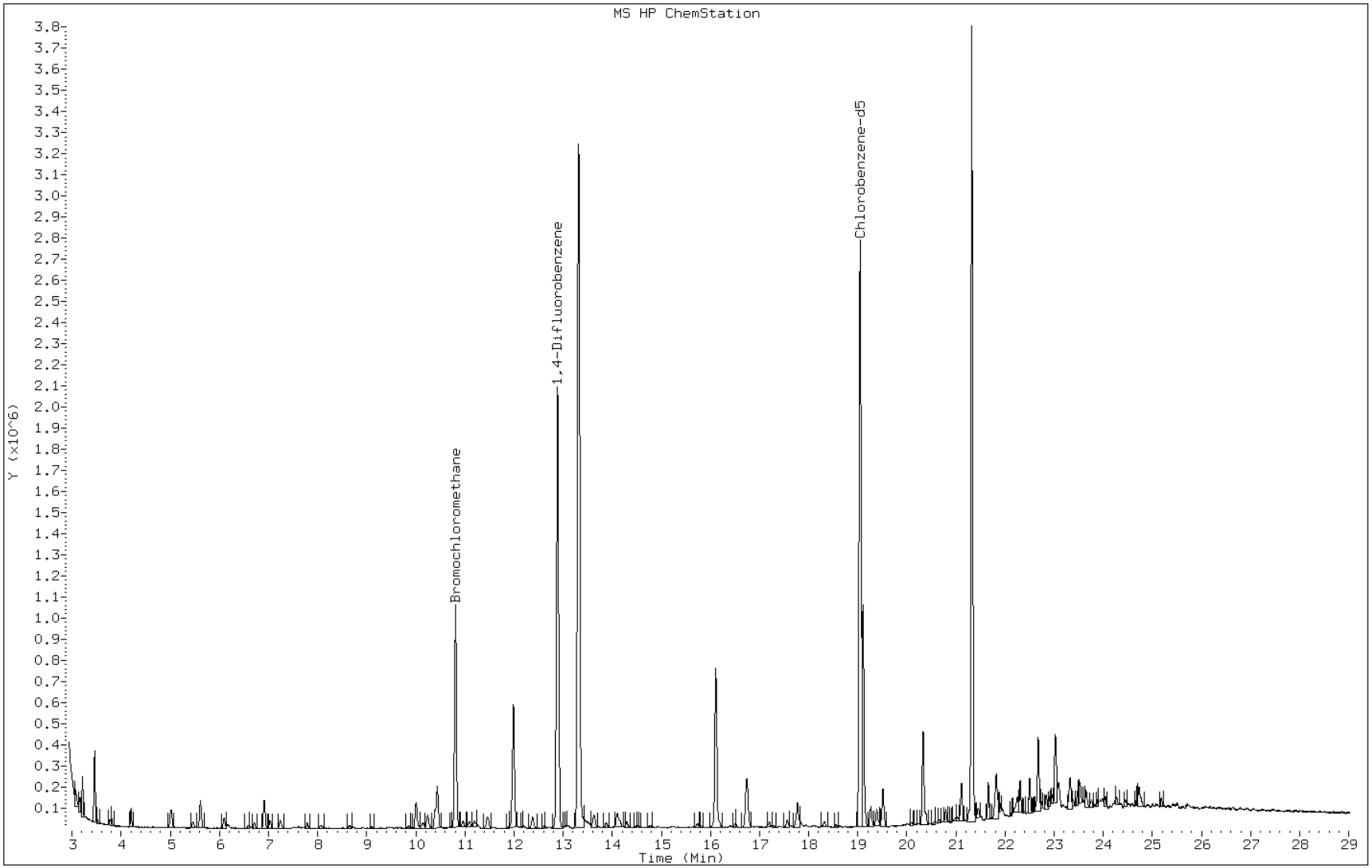
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	6.098	6.120	(0.564)	73397	11.5517	12
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.612	6.617	(0.612)	6046	0.09223	0.092(a)
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	6.912	6.928	(0.639)	209491	6.09965	6.1
	21 Carbon disulfide	76	7.035	7.040	(0.651)	64724	0.80682	0.81
	22 Isopropanol	45	7.243	7.254	(0.670)	68738	3.18290	3.2(a)
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	7.794	7.800	(0.721)	15380	0.65455	0.65
	26 Tert-butyl alcohol	59	8.056	8.062	(0.745)	21021	0.53296	0.53(a)
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	8.645	8.656	(0.800)	9810	0.31847	0.32
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	10.437	10.464	(0.965)	14979	6.04115	6.0
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.812	10.828	(1.000)	523240	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	10.951	10.972	(1.013)	25401	0.25636	0.26
	40 Cyclohexane	84	11.191	11.207	(0.868)	25578	0.45322	0.45
	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	11.988	12.004	(0.930)	896898	5.87261	5.9
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	12.379	12.390	(0.961)	34234	0.50754	0.51
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3247639	10.0000	
	48 n-Butanol	56	13.315	13.342	(1.033)	3620852	192.684	190(A)
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	14.144	14.171	(1.098)	15064	0.23672	0.24(a)
	52 Dibromomethane	174	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	15.830	15.835	(1.228)	5440	0.05147	0.051(a)
	57 n-Octane	43	16.177	16.183	(1.255)	14533	0.13137	0.13(a)
	58 Toluene	92	16.108	16.124	(0.846)	583680	3.69232	3.7
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.199	17.215	(0.903)	13842	0.07944	0.079(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.568	17.584	(0.922)	21748	0.26206	0.26(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3089064	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	1027953	4.68950	4.7
67	n-Nonane	57	19.387	19.403	(1.018)	47555	0.37572	0.38
68	Ethylbenzene	91	19.264	19.280	(1.011)	109448	0.33556	0.34
69	Xylene (m,p)	106	19.515	19.532	(1.024)	93079	0.69608	0.70
M 70	Xylenes, Total	106				300083	2.20357	2.2
71	Xylene (o)	106	20.334	20.345	(1.067)	207004	1.50749	1.5
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	20.971	20.987	(1.101)	11808	0.03113	0.031(a)
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	167630	0.41077	0.41
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	21.821	21.832	(1.145)	110893	0.79938	0.80
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	39200	0.11812	0.12(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	21.939	21.955	(1.152)	21642	0.06790	0.068(a)
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	80822	0.26418	0.26
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	13421	0.06928	0.069(a)
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	49999	0.28151	0.28
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	23.533	23.544	(1.235)	55190	0.38105	0.38(a)
91	n-Butylbenzene	91	23.512	23.528	(1.234)	49823	0.17500	0.17(a)
92	1,2-Dichlorobenzene	146	23.640	23.656	(1.241)	31656	0.15505	0.16(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	giem009.d	Date:	10-JUN-2013 16:05
Client ID:	SV40812-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-3		
Lab Sample ID:	200-16861-3		



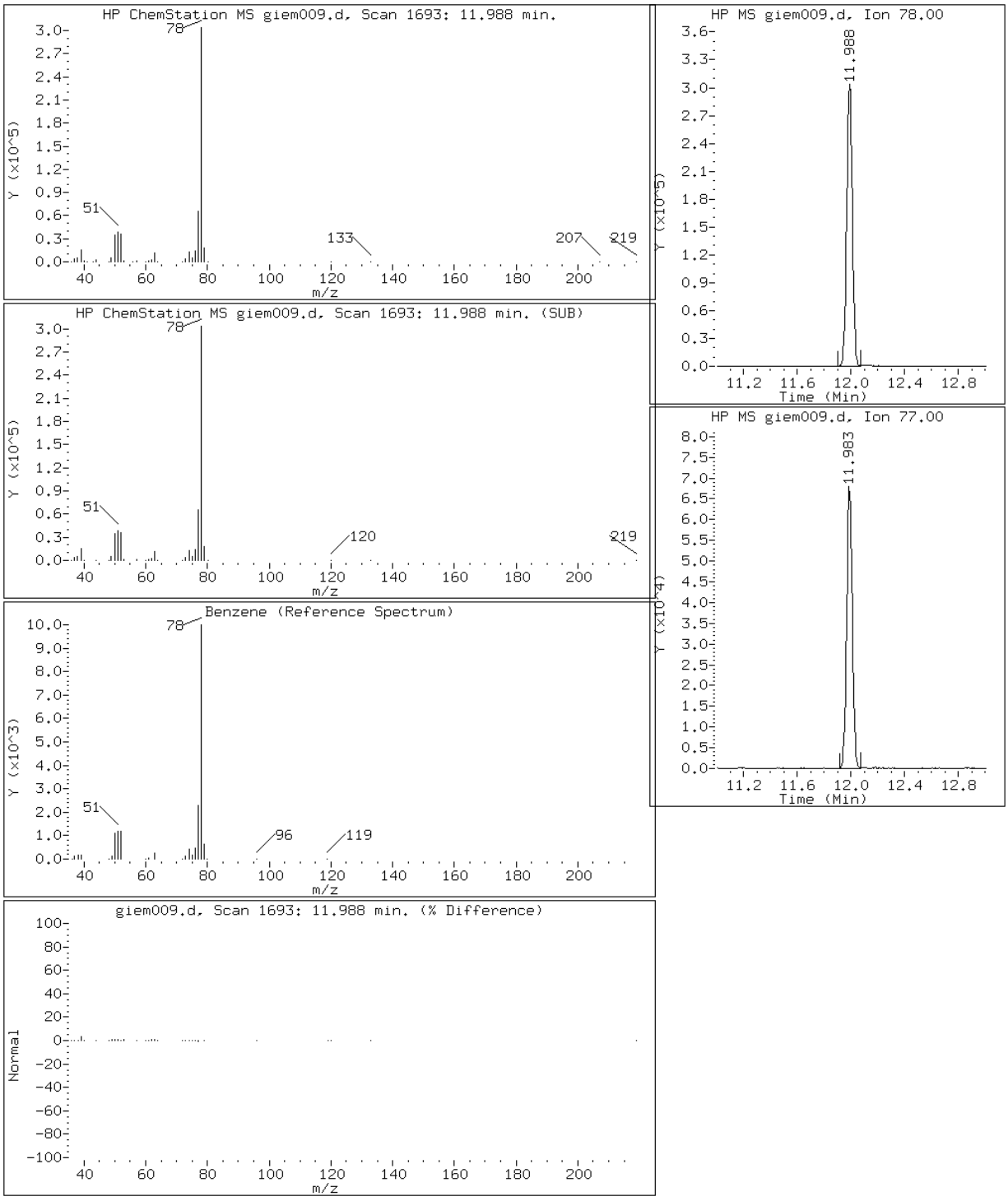
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

44 Benzene



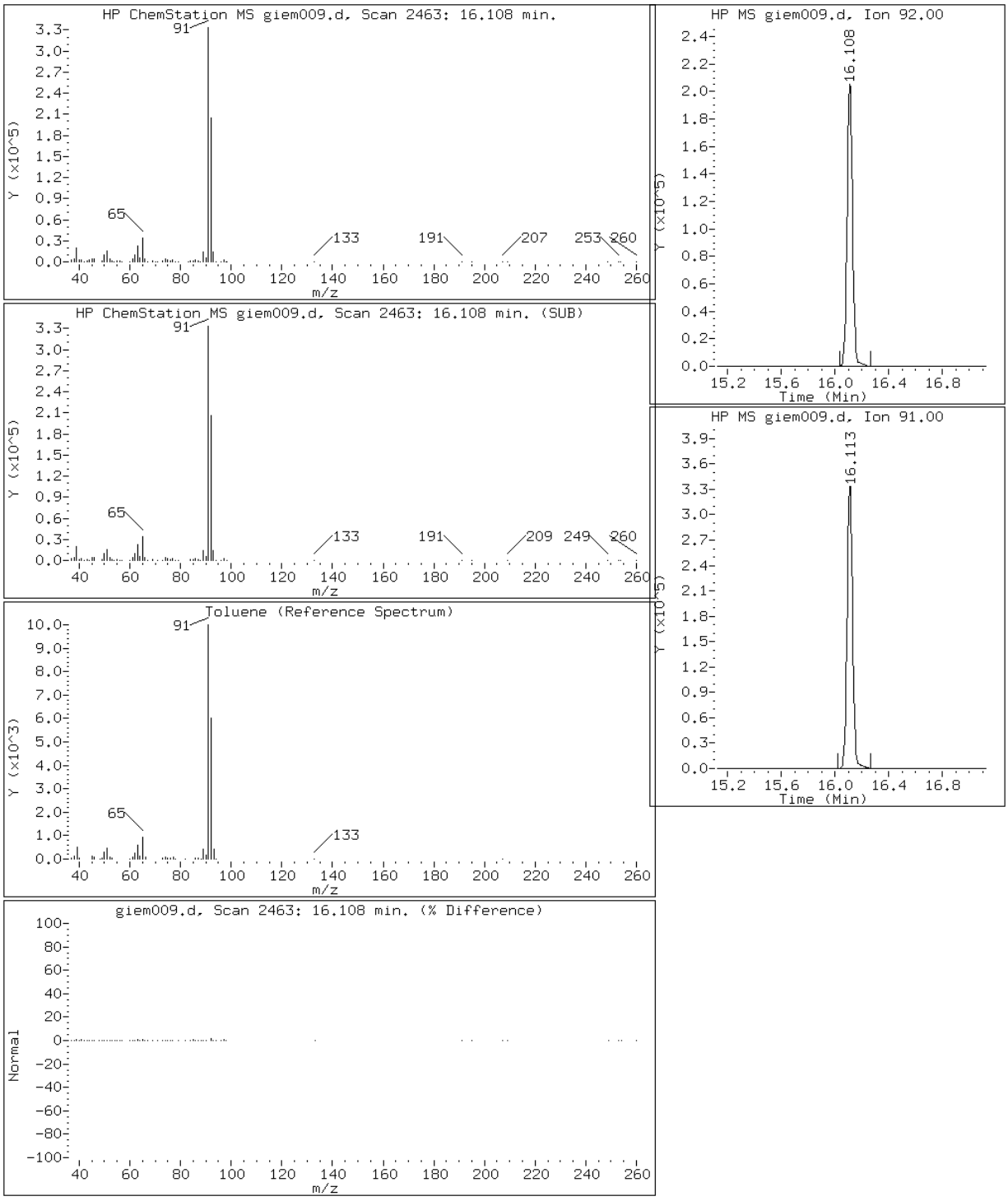
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

58 Toluene



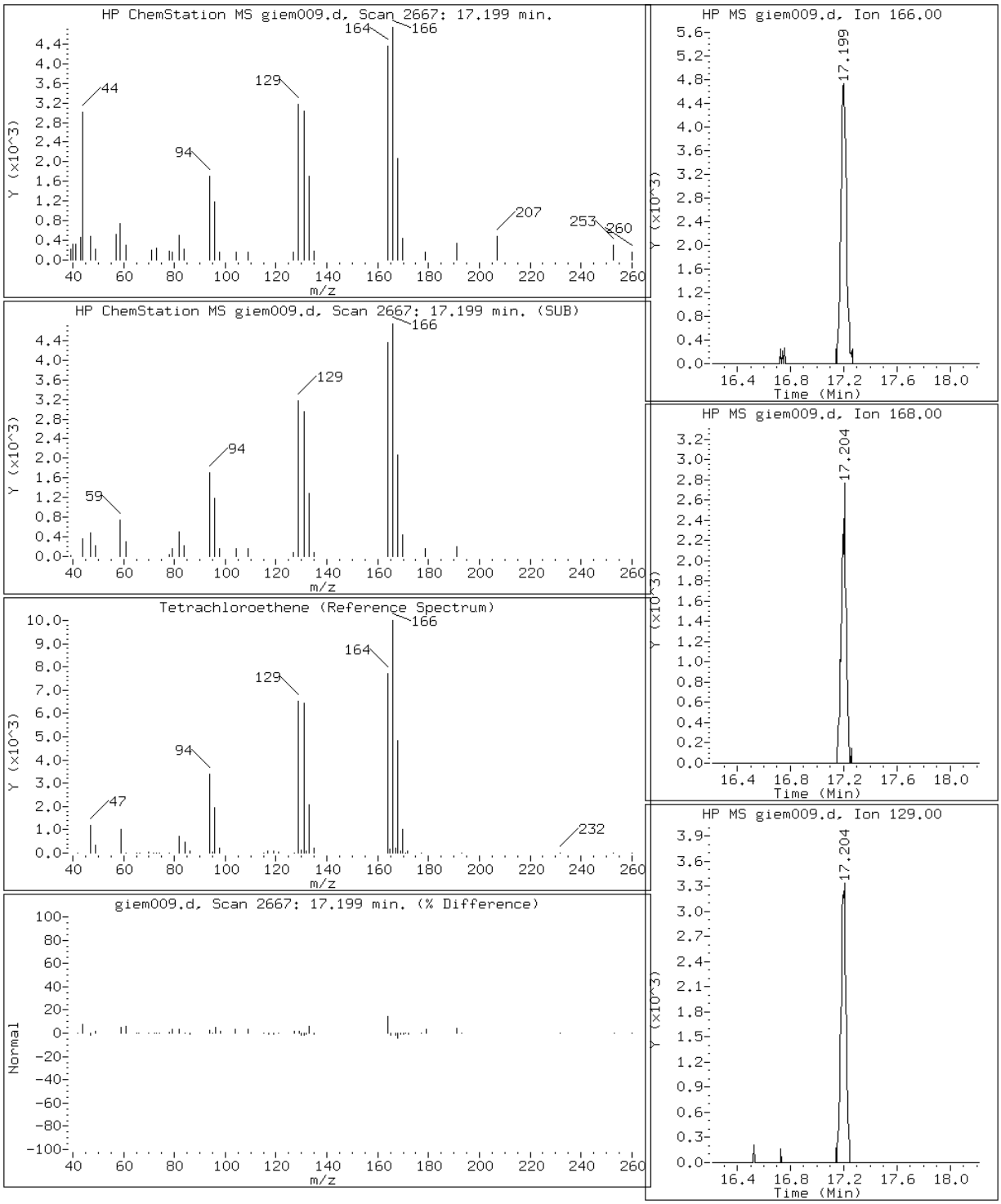
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

61 Tetrachloroethene



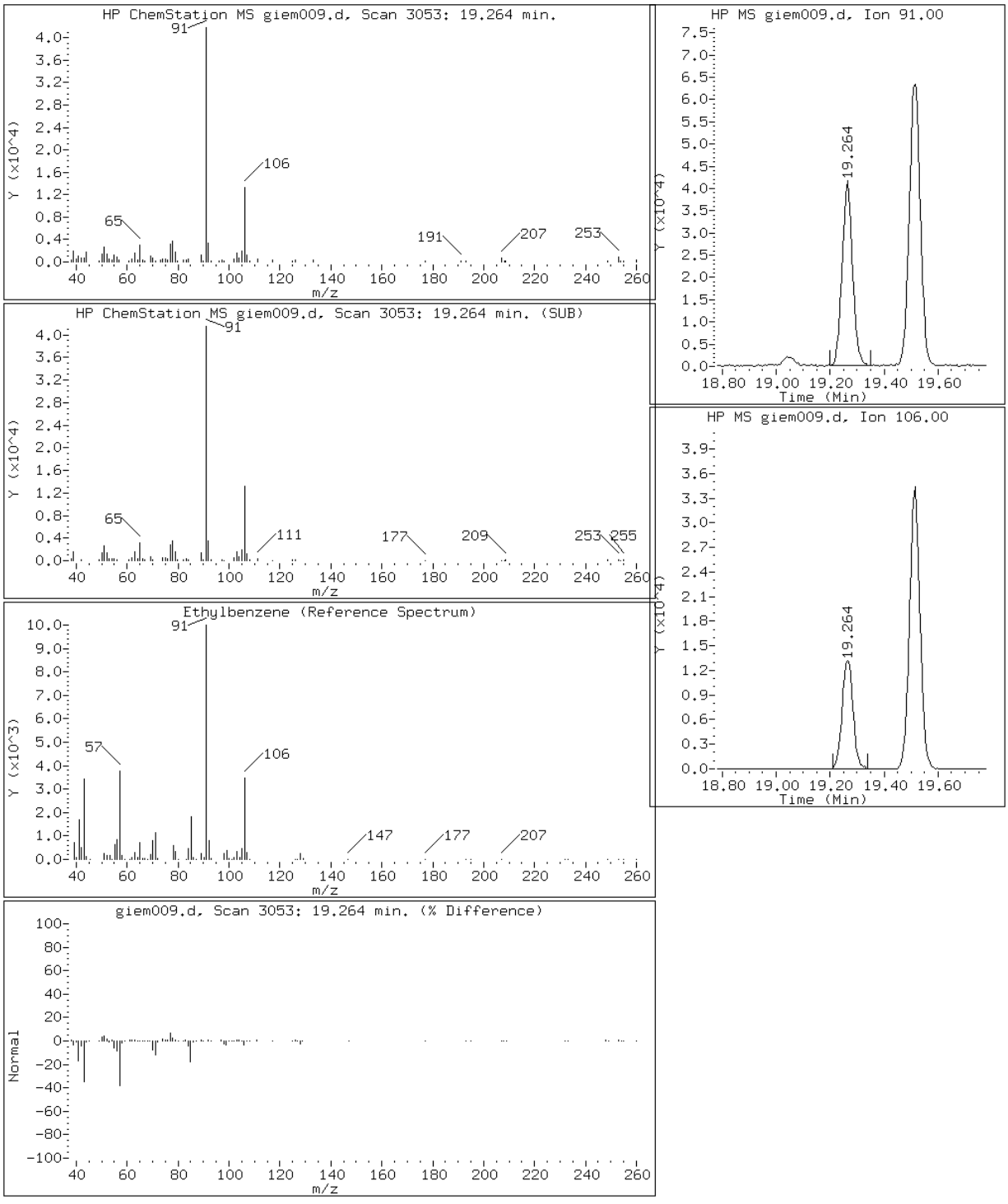
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

68 Ethylbenzene



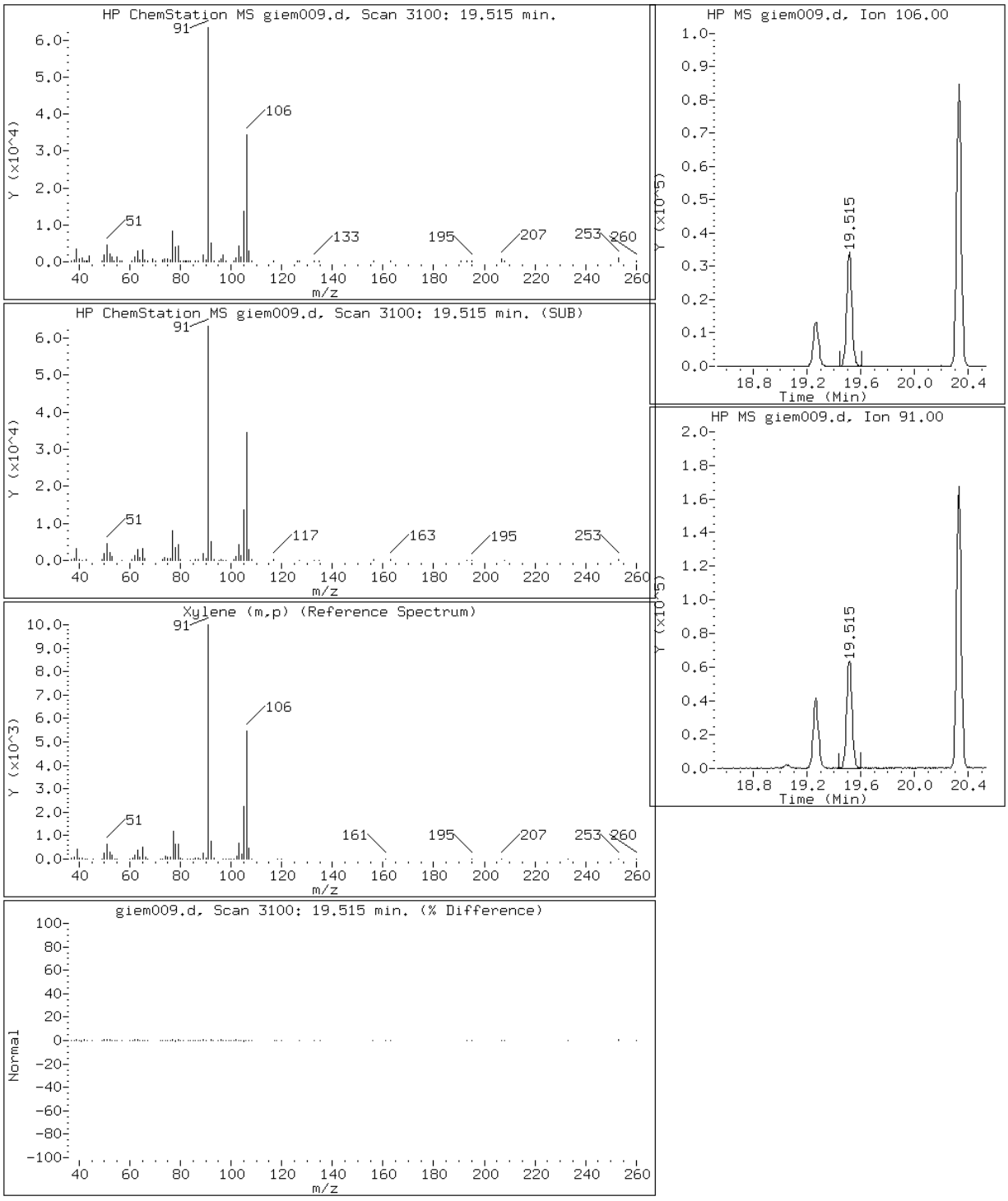
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

69 Xylene (m,p)



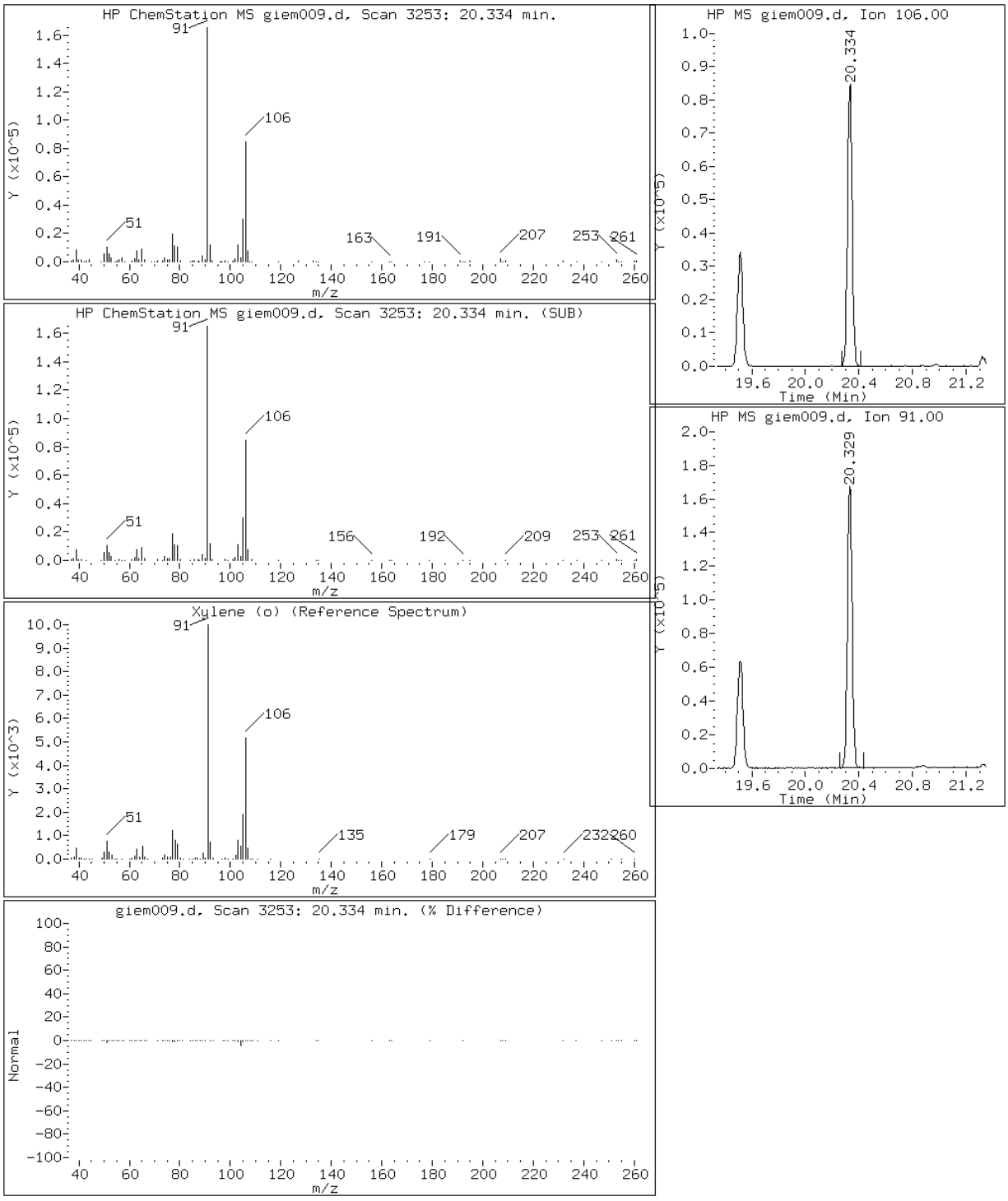
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

71 Xylene (o)



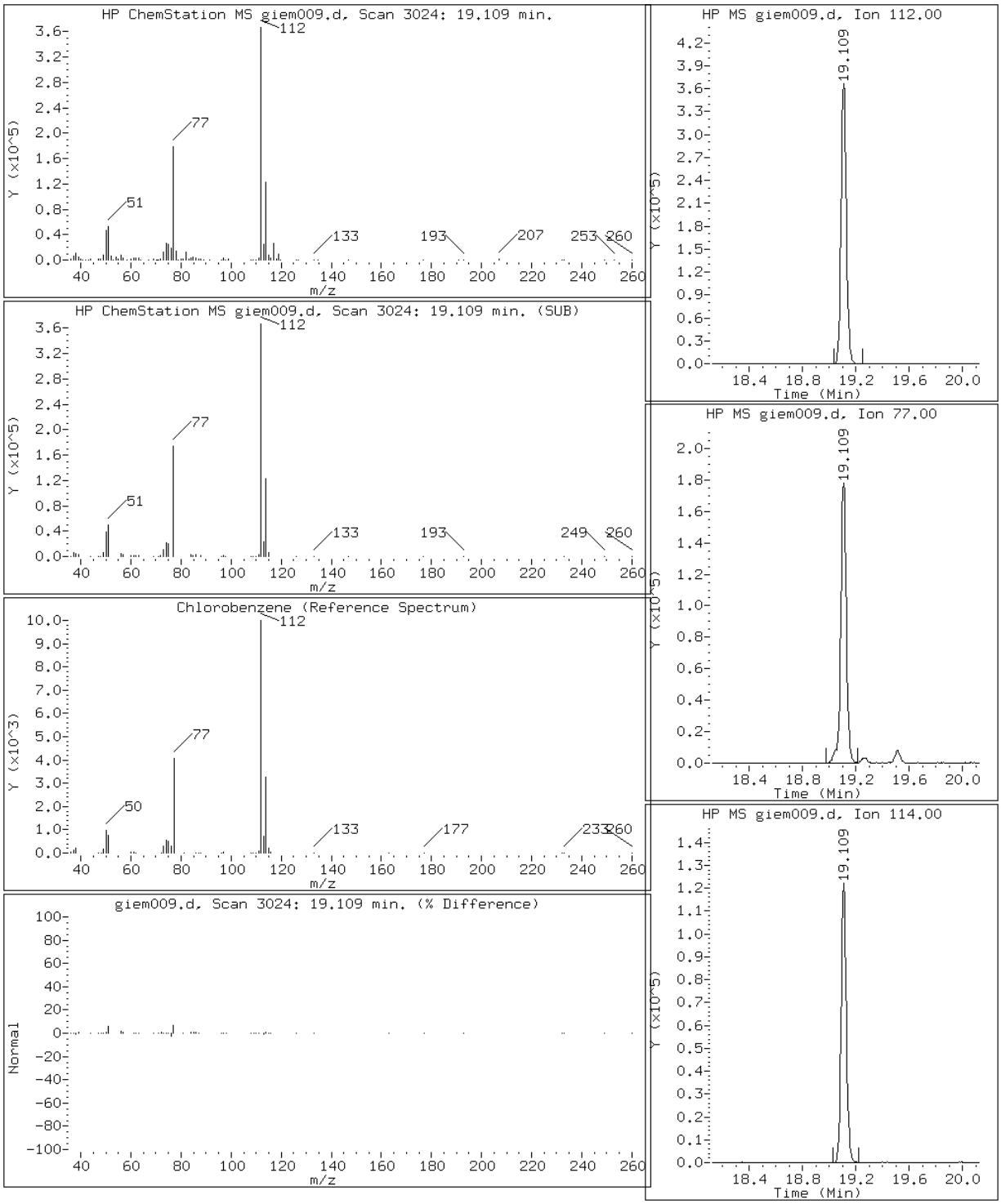
Data File: giem009.d

Lab Sample ID: 200-16861-3 Date: 10-JUN-2013 16:05

Client ID: SV40812-053013 Instrument: G.i

Sample Info: 200-16861-A-3 Operator: WRD

66 Chlorobenzene



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40772-053013 Lab Sample ID: 200-16861-4

Matrix: Air Lab File ID: giem010.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:37

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:52

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	3.4		0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.78		0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.27		0.040	0.015
100-41-4	Ethylbenzene	106.17	0.13	J	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.20	J	0.50	0.022
95-47-6	o-Xylene	106.17	0.80		0.20	0.016
1330-20-7	Xylenes, Total	106.17	1.0		0.20	0.016
108-90-7	Chlorobenzene	112.30	2.8		0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: SV40772-053013 Lab Sample ID: 200-16861-4

Matrix: Air Lab File ID: giem010.d

Analysis Method: TO-15 Date Collected: 05/30/2013 12:37

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 16:52

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	11		0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	2.9		0.75	0.053
127-18-4	Tetrachloroethene	165.83	1.8		0.27	0.10
100-41-4	Ethylbenzene	106.17	0.57	J	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	0.86	J	2.2	0.096
95-47-6	o-Xylene	106.17	3.5		0.87	0.069
1330-20-7	Xylenes, Total	106.17	4.3		0.87	0.069
108-90-7	Chlorobenzene	112.30	13		0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16861-4
Client Smp ID: SV40772-053013
Inj Date : 10-JUN-2013 16:52
Operator : WRD Inst ID: G.i
Smp Info : 200-16861-A-4
Misc Info : 200,1, all74(MOD)
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	3.151	3.156	(0.292)	50174	0.59732	0.60
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	3.589	3.595	(0.332)	4695	0.27736	0.28(a)
6 Butane	43	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.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	5.456	5.467	(0.505)	28598	0.28117	0.28
14 Pentane	43	Compound Not Detected.					

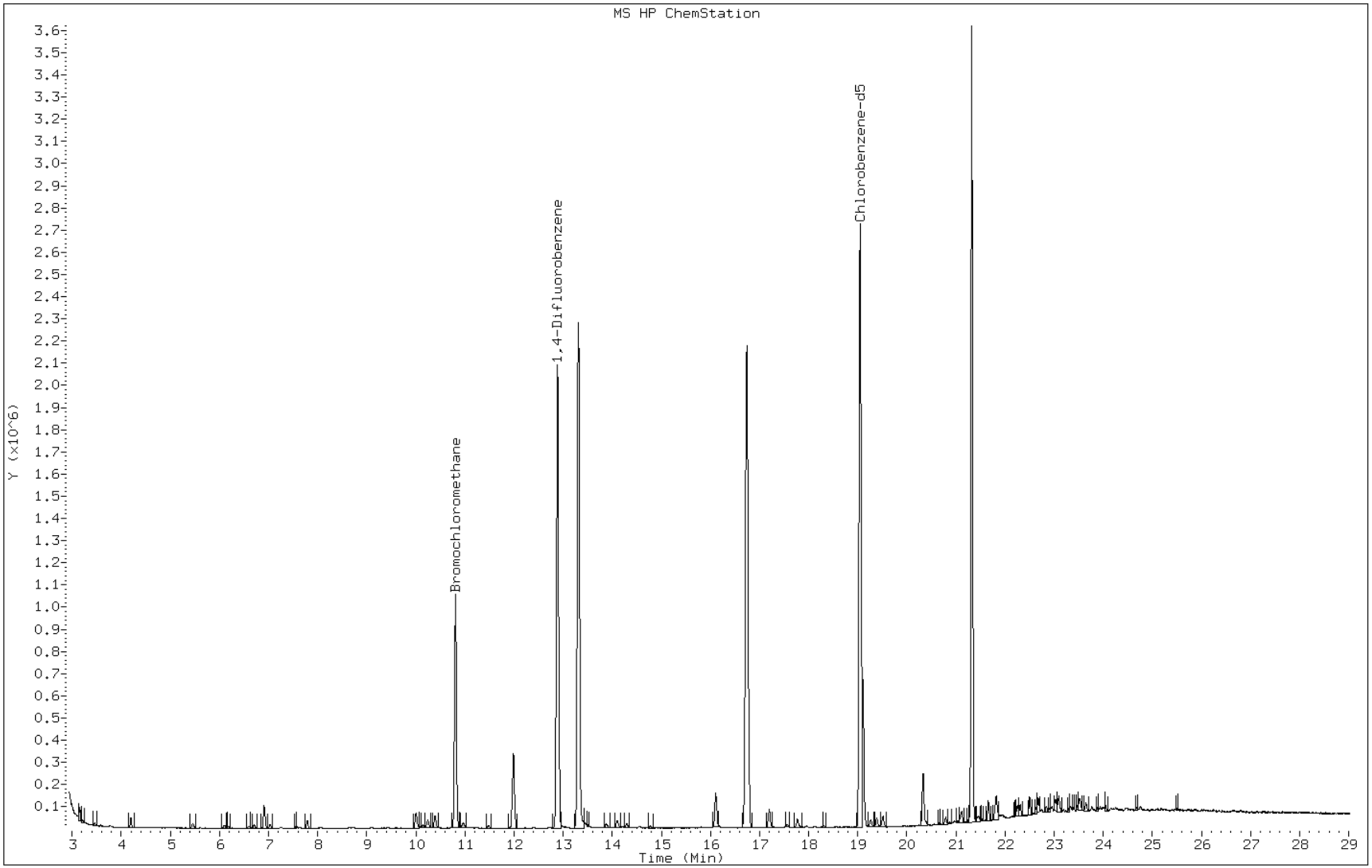
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.098	6.120	(0.564)	21082	3.35321	3.4(a)
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.612)	6017	0.09277	0.093(aM)
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	6.912	6.928	(0.640)	161128	4.74123	4.7(a)
21	Carbon disulfide	76	7.035	7.040	(0.651)	26569	0.33471	0.33(a)
22	Isopropanol	45	7.254	7.254	(0.671)	7349	0.34390	0.34(a)
23	Allyl chloride	41	Compound Not Detected.					
24	Acetonitrile	41	Compound Not Detected.					
25	Methylene chloride	49	7.784	7.800	(0.720)	22113	0.95107	0.95
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.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	Compound Not Detected.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.389	10.416	(0.961)	28884	1.64521	1.6
* 37	Bromochloromethane	128	10.806	10.828	(1.000)	517750	10.0000	
38	Tetrahydrofuran	42	Compound Not Detected.					
39	Chloroform	83	10.951	10.972	(1.013)	7690	0.07843	0.078(a)
40	Cyclohexane	84	Compound Not Detected.					
41	1,1,1-Trichloroethane	97	Compound Not Detected.					
42	Carbon tetrachloride	117	11.496	11.507	(0.892)	7069	0.04490	0.045
43	2,2,4-Trimethylpentane	57	Compound Not Detected.					
44	Benzene	78	11.988	12.004	(0.930)	521268	3.42296	3.4
45	1,2-Dichloroethane	62	Compound Not Detected.					
46	n-Heptane	43	12.384	12.390	(0.961)	2400	0.03568	0.036(aQ)
* 47	1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3238290	10.0000	
48	n-Butanol	56	13.310	13.342	(1.033)	2461002	131.341	130(A)
49	Trichloroethene	95	Compound Not Detected.					
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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	15.813	15.835	(1.227)	4700	0.04459	0.045(a)
57	n-Octane	43	16.167	16.183	(1.254)	4849	0.04396	0.044(a)
58	Toluene	92	16.108	16.124	(0.846)	120571	0.78007	0.78
59	1,3-Dichloropropene (trans)	75	Compound Not Detected.					
60	1,1,2-Trichloroethane	83	Compound Not Detected.					
61	Tetrachloroethene	166	17.194	17.215	(0.903)	45913	0.26949	0.27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	17.568	17.584	(0.922)	14190	0.17487	0.17(a)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.045	19.066	(1.000)	3020372	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	606839	2.83135	2.8
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	19.264	19.280	(1.012)	41565	0.13033	0.13(a)
69	Xylene (m,p)	106	19.515	19.532	(1.025)	25842	0.19765	0.20(a)
M 70	Xylenes, Total	106				133689	1.00090	1.0
71	Xylene (o)	106	20.334	20.345	(1.068)	107847	0.80325	0.80
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	21.661	21.671	(1.137)	94972	0.23802	0.24
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	21.821	21.832	(1.146)	42160	0.31083	0.31(a)
79	4-Ethyltoluene	105	21.837	21.853	(1.147)	23476	0.07235	0.072(a)
80	2-Chlorotoluene	91	Compound Not Detected.					
81	1,3,5-Trimethylbenzene	105	Compound Not Detected.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	22.501	22.517	(1.181)	43820	0.14649	0.15(a)
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.213)	30189	0.17384	0.17(a)
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	23.512	23.528	(1.235)	34674	0.12456	0.12(a)
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.242)	18724	0.09380	0.094(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
199	1,1-Difluoroethane TIC	51	Compound Not Detected.					
200	Chlorotrifluoroethene TIC	116	Compound Not Detected.					
201	Pentafluoroethyl Chloride	85	Compound Not Detected.					
202	22Dichloro111trifluoroethane	83	Compound Not Detected.					
203	Acetic Acid Methyl Ester	43	Compound Not Detected.					
204	Methylcyclohexane TIC	55	Compound Not Detected.					
205	1,2Dibromo3chloropropane	75	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	giem010.d	Date:	10-JUN-2013 16:52
Client ID:	SV40772-053013	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16861-A-4		
Lab Sample ID:	200-16861-4		



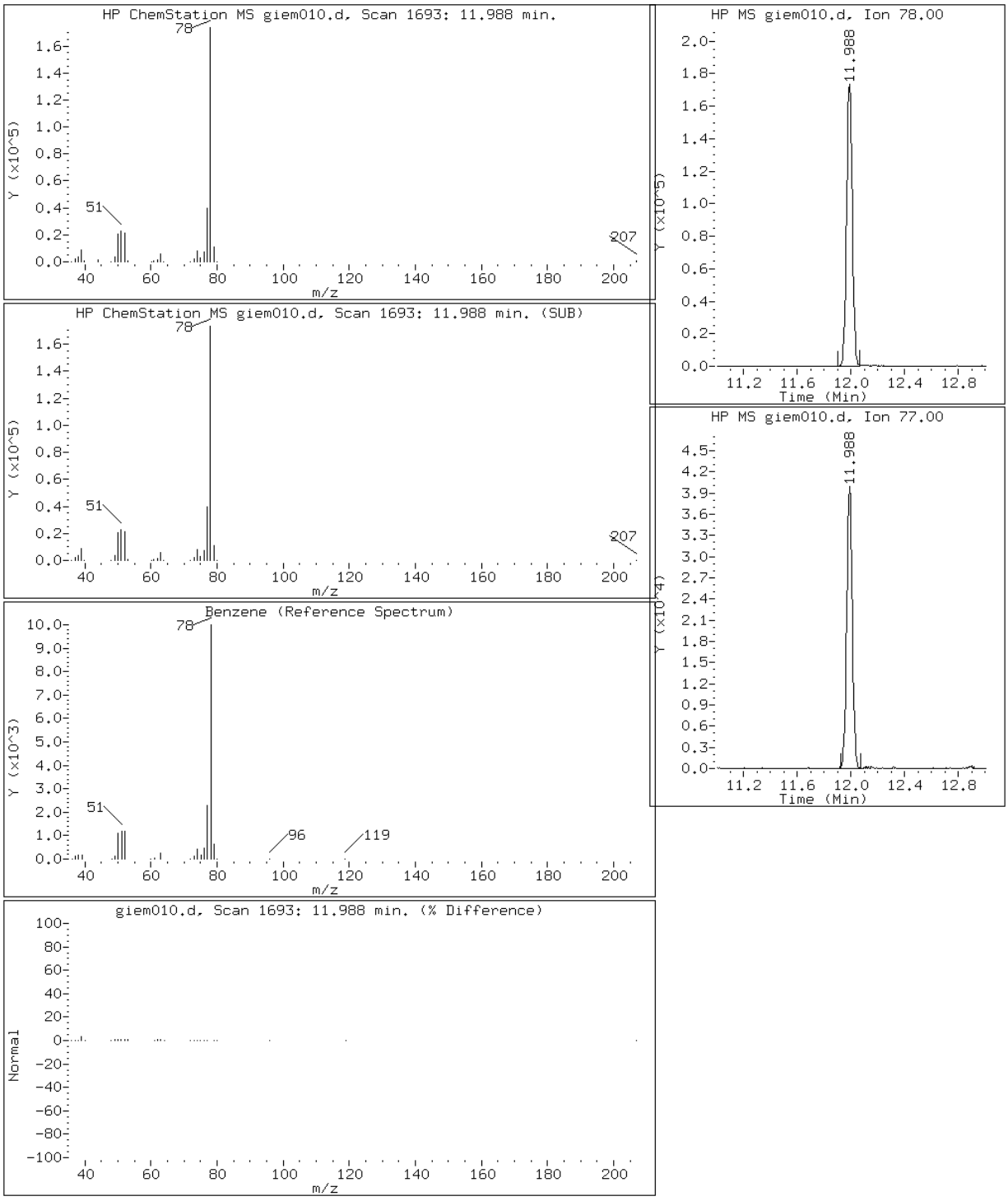
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

44 Benzene



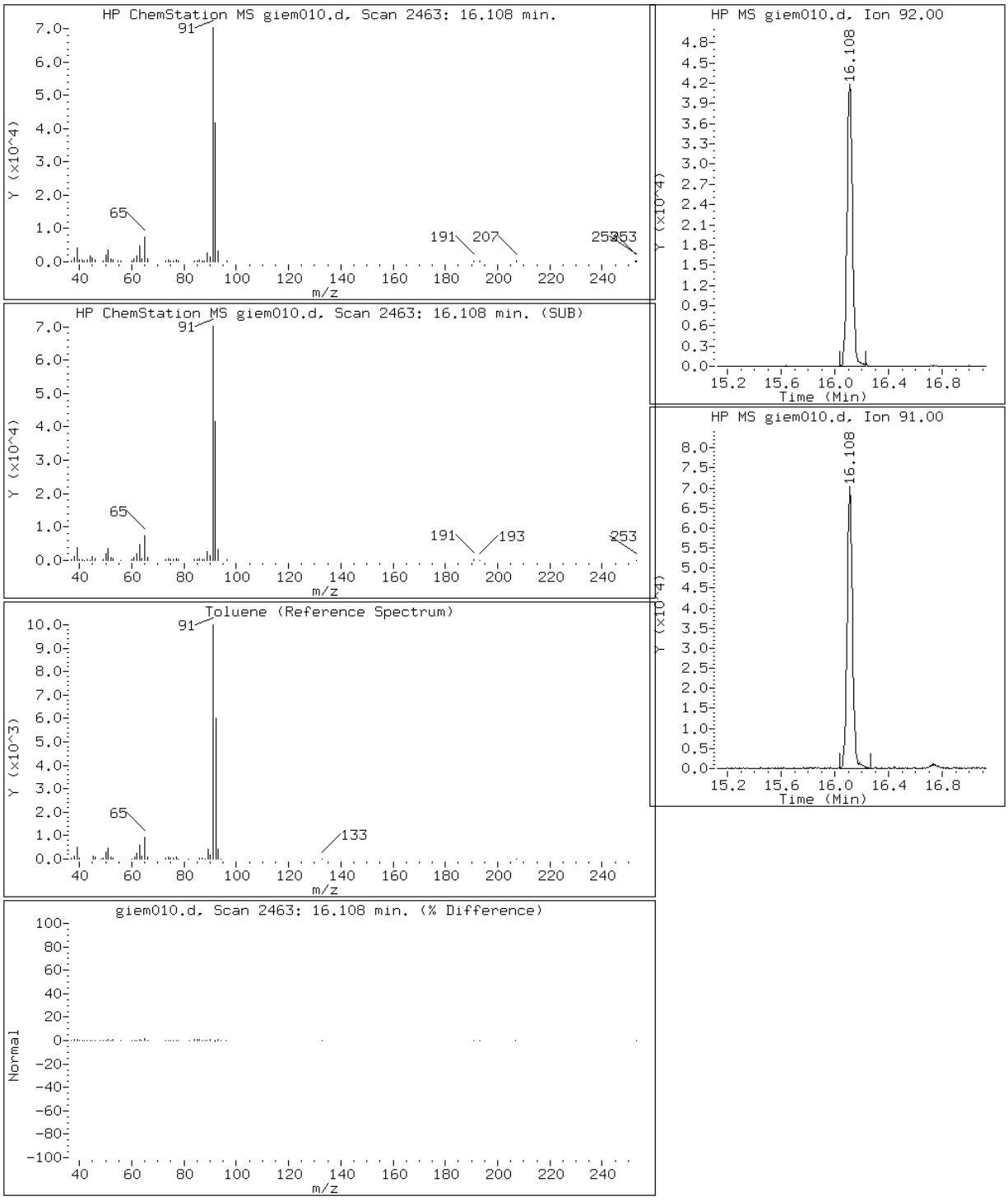
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

58 Toluene



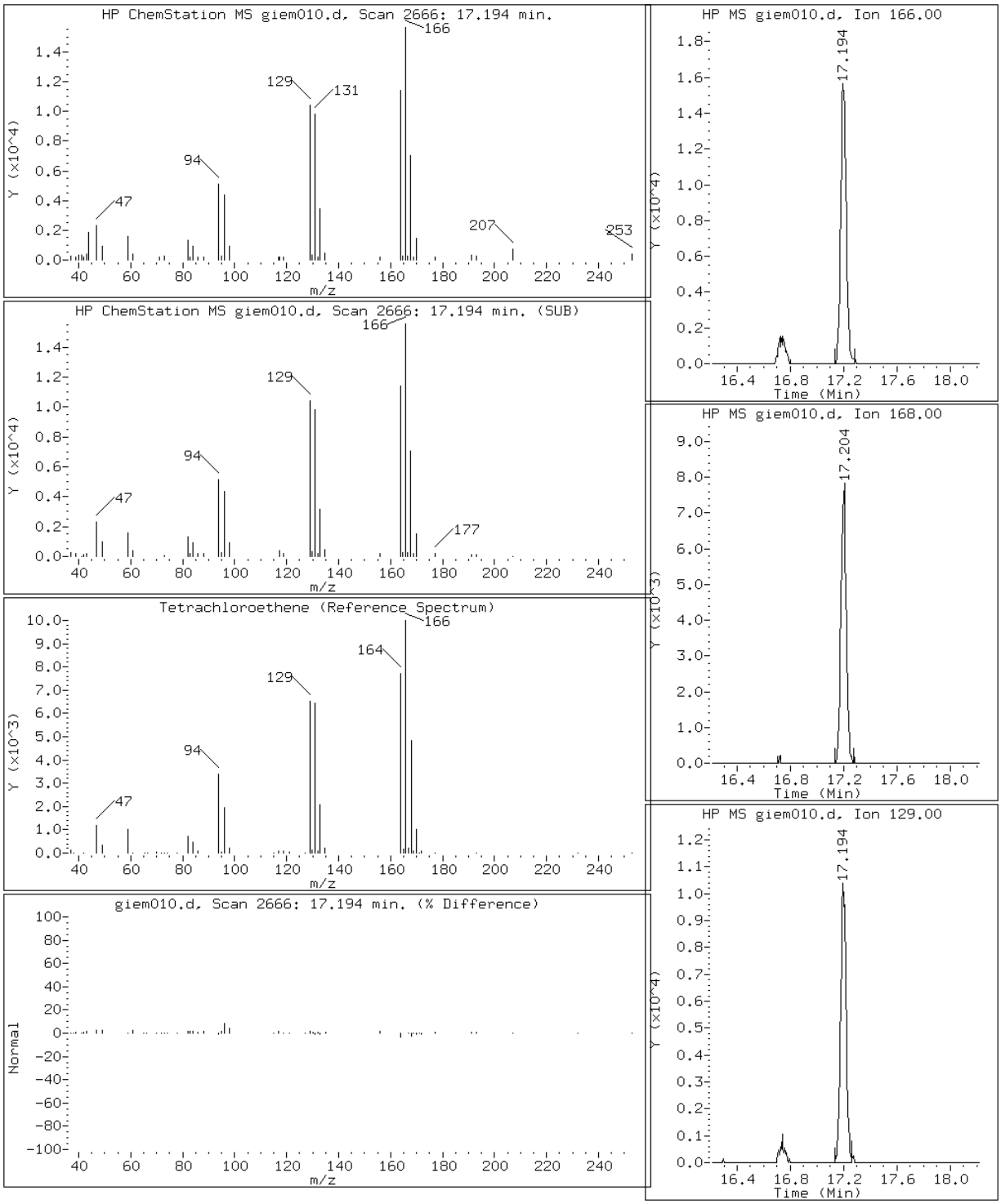
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

61 Tetrachloroethene



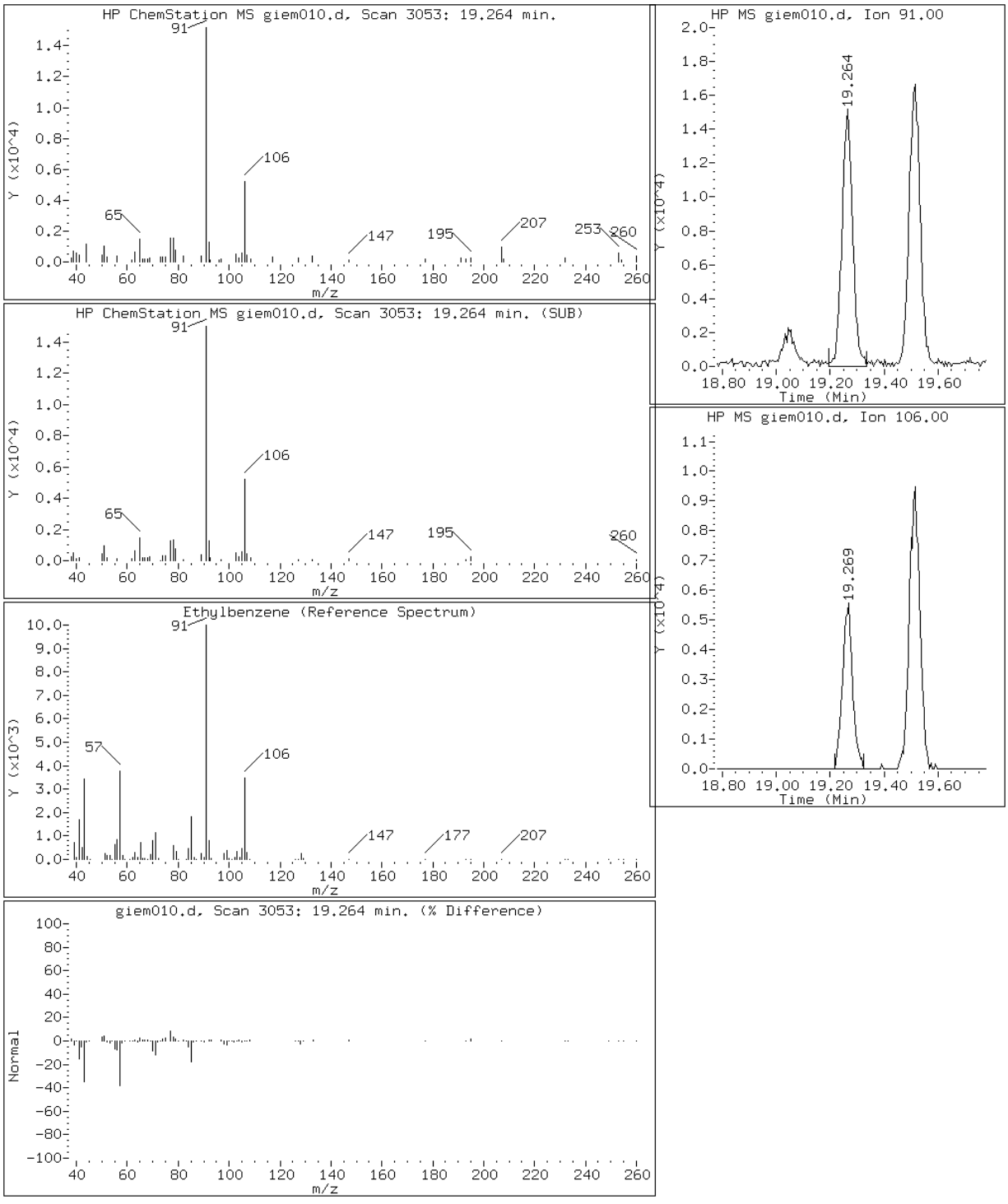
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

68 Ethylbenzene



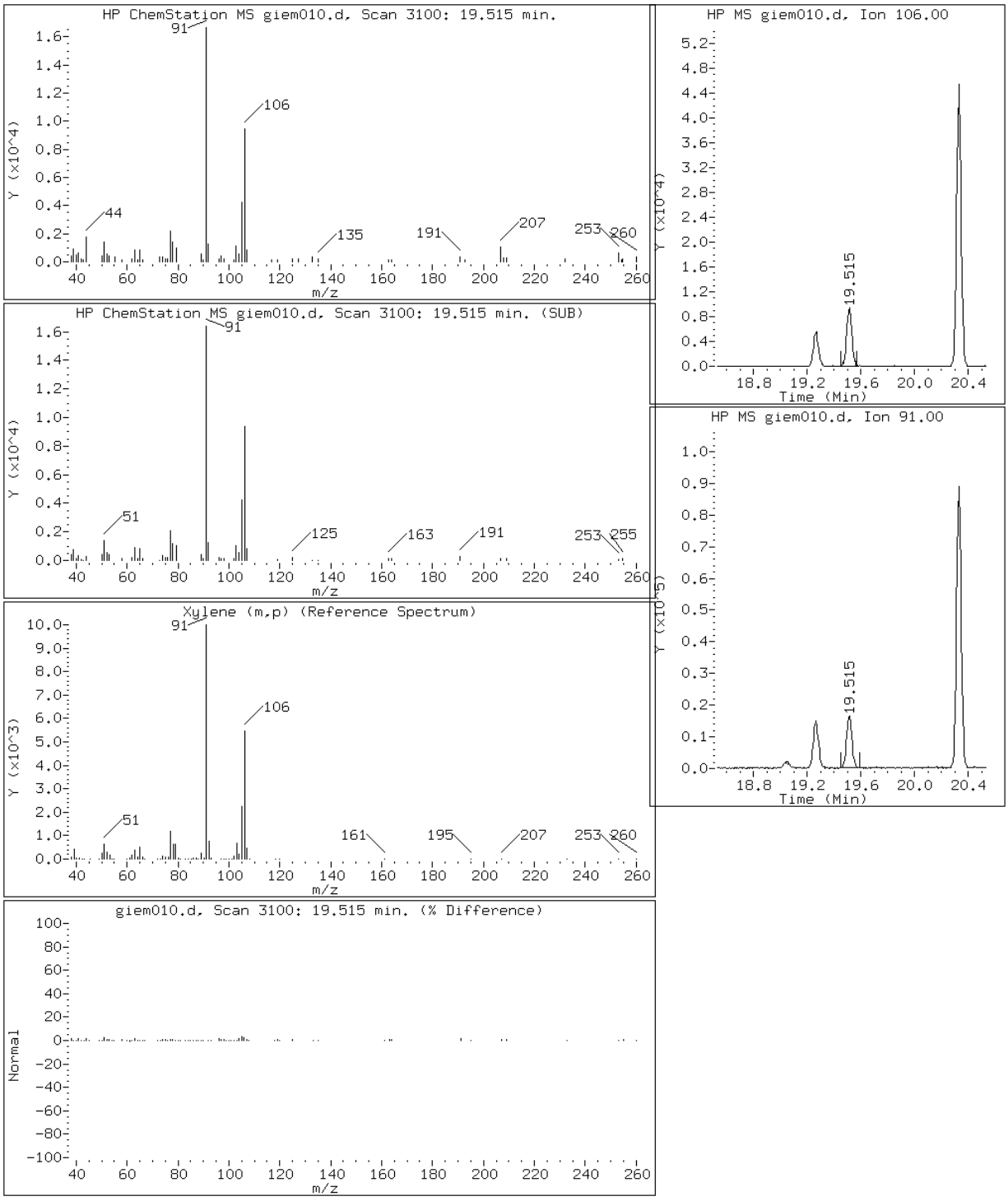
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

69 Xylene (m,p)



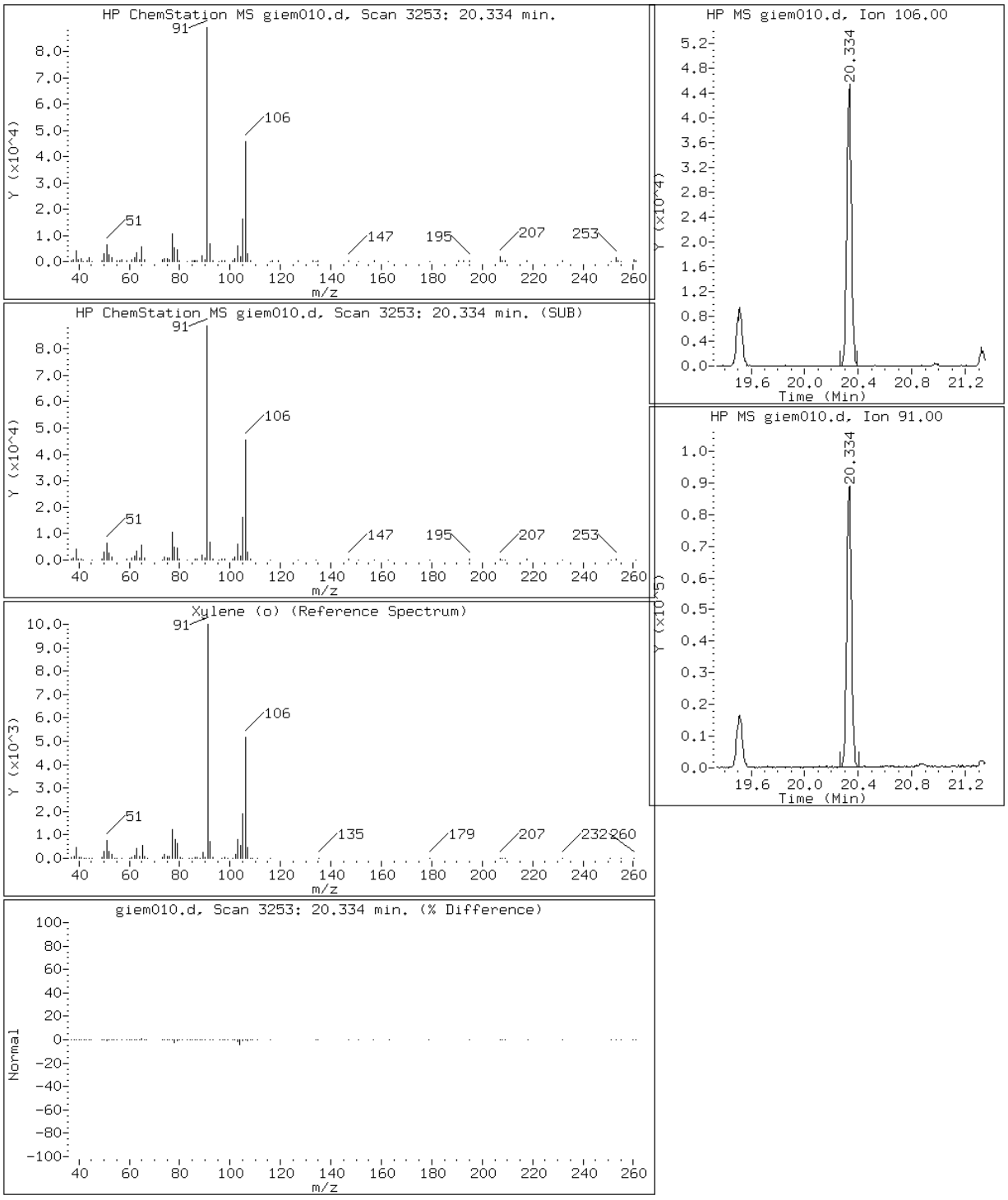
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

71 Xylene (o)



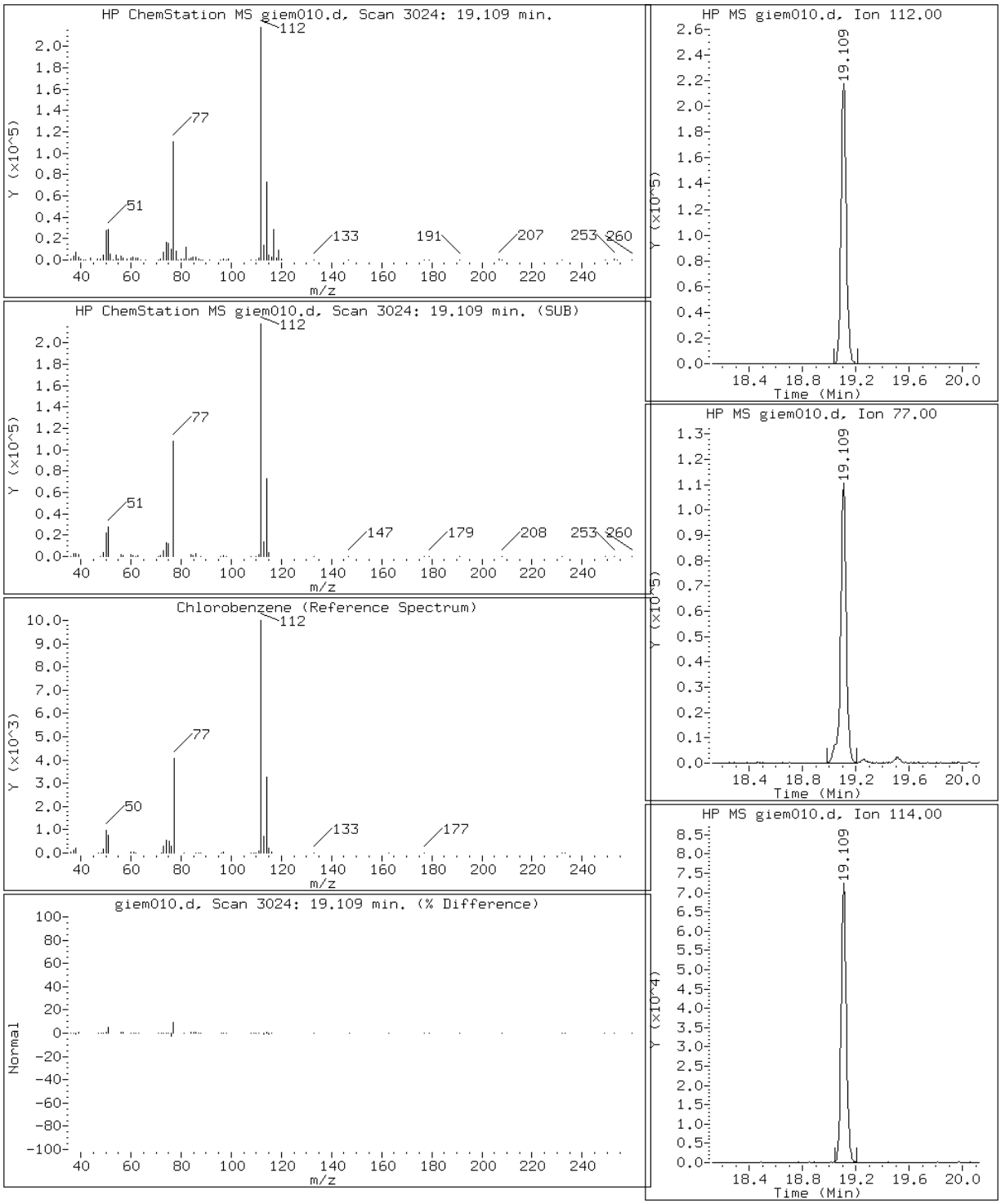
Data File: giem010.d

Lab Sample ID: 200-16861-4 Date: 10-JUN-2013 16:52

Client ID: SV40772-053013 Instrument: G.i

Sample Info: 200-16861-A-4 Operator: WRD

66 Chlorobenzene



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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55724/3	gie003.d
Level 2	IC 200-55724/4	gie004.d
Level 3	IC 200-55724/5	gie005.d
Level 4	IC 200-55724/6	gie006.d
Level 5	ICIS 200-55724/7	gie007.d
Level 6	IC 200-55724/8	gie008.d
Level 7	IC 200-55724/9	gie009.d
Level 8	IC 200-55724/10	gie010.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								
Propylene	+++++ 0.2195	+++++ 0.2083	0.2816 0.1832	0.2192	0.2185	Ave		0.2217				14.6		30.0			
Dichlorodifluoromethane	+++++ 1.6623	+++++ 1.6029	1.7565 1.3812	1.6814	1.6500	Ave		1.6224				7.9		30.0			
Freon 22	+++++ 0.6793	+++++ 0.6597	0.7067 0.5775	0.6813	0.6761	Ave		0.6634				6.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 1.5663	1.5771 1.5056	1.6701 1.2837	1.6024	1.5629	Ave		1.5383				8.0		30.0			
Chloromethane	+++++ 0.3332	+++++ 0.3226	0.3615 0.2827	0.3322	0.3295	Ave		0.3269				7.8		30.0			
n-Butane	+++++ 0.4680	+++++ 0.4508	0.5818 0.3907	0.4608	0.4542	Ave		0.4677				13.3		30.0			
Vinyl chloride	0.5165 0.4350	0.4311 0.4192	0.4234 0.3719	0.4319	0.4217	Ave		0.4313				9.2		30.0			
1,3-Butadiene	+++++ 0.2766	0.2886 0.2690	0.3058 0.2368	0.2805	0.2760	Ave		0.2762				7.6		30.0			
Bromomethane	+++++ 0.5791	0.5660 0.5626	0.5958 0.4930	0.5826	0.5786	Ave		0.5654				6.0		30.0			
Chloroethane	+++++ 0.1758	+++++ 0.1695	0.1795 0.1524	0.1709	0.1729	Ave		0.1702				5.5		30.0			
Isopentane	+++++ 0.3179	0.3411 0.3063	0.3985 0.2711	0.3153	0.3180	Ave		0.3240				12.0		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.6882	0.7013 0.6689	0.6829 0.5863	0.6759	0.6738	Ave		0.6682				5.6		30.0			
Trichlorofluoromethane	+++++ 2.0176	1.9680 1.9474	2.0860 1.7181	2.0268	1.9871	Ave		1.9644				6.0		30.0			
n-Pentane	+++++ 0.5630	+++++ 0.5390	0.6715 0.4687	0.5654	0.5492	Ave		0.5595				11.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
Ethanol	+++++ 0.1171	+++++ 0.1204	0.1394 0.1073	0.1229	0.1216	Ave		0.1214				8.6		30.0			
Ethyl ether	+++++ 0.2829	0.2768 0.2726	0.2720 0.2395	0.2736	0.2743	Ave		0.2702				5.2		30.0			
Acrolein	+++++ 0.1161	+++++ 0.1285	+++++ 0.1176	0.1565	0.1463	Ave		0.1330				13.4		30.0			
Freon TF	+++++ 1.2736	1.3298 1.2232	1.3588 1.0508	1.2813	1.2520	Ave		1.2528				8.0		30.0			
1,1-Dichloroethene	+++++ 0.5302	0.5815 0.5120	0.5621 0.4463	0.5336	0.5215	Ave		0.5268				8.1		30.0			
Acetone	+++++ 0.5723	+++++ 0.5578	+++++ 0.4946	0.9515	0.7057	Ave		0.6564				27.7		30.0			
Carbon disulfide	+++++ 1.5718	+++++ 1.5293	1.6031 1.3453	1.5742	1.5753	Ave		1.5332				6.2		30.0			
Isopropyl alcohol	+++++ 0.4385	+++++ 0.3975	+++++ 0.3609	0.4263	0.4405	Ave		0.4127				8.2		30.0			
3-Chloropropene	+++++ 0.3914	0.4387 0.3839	0.4118 0.3378	0.3881	0.3899	Ave		0.3917				7.8		30.0			
Acetonitrile	+++++ 0.2403	+++++ 0.2320	+++++ 0.2047	0.2547	0.2405	Ave		0.2344				7.9		30.0			
Methylene Chloride	+++++ 0.4459	+++++ 0.4333	0.5407 0.3822	0.4530	0.4393	Ave		0.4491				11.5		30.0			
tert-Butyl alcohol	+++++ 0.7867	+++++ 0.7061	+++++ 0.6568	0.8177	0.8016	Ave		0.7538				9.2		30.0			
Methyl tert-butyl ether	+++++ 1.4144	1.3387 1.3722	1.3980 1.2028	1.4004	1.3843	Ave		1.3587				5.4		30.0			
trans-1,2-Dichloroethene	+++++ 0.6924	0.7192 0.6729	0.7155 0.5811	0.7002	0.6898	Ave		0.6816				6.9		30.0			
Acrylonitrile	+++++ 0.2774	+++++ 0.2691	0.2717 0.2438	0.2714	0.2753	Ave		0.2681				4.6		30.0			
n-Hexane	+++++ 0.5984	0.6028 0.5722	0.6629 0.5028	0.5901	0.5919	Ave		0.5887				8.0		30.0			
1,1-Dichloroethane	1.3640 0.9957	0.9655 0.9705	1.0062 0.8631	0.9878	0.9820	Ave		1.0169				14.5		30.0			
Vinyl acetate	+++++ 1.0430	+++++ 1.0090	+++++ 0.9000	1.0199	1.0169	Ave		0.9978				5.6		30.0			
cis-1,2-Dichloroethene	+++++ 0.8383	0.8274 0.8072	0.8373 0.7120	0.8323	0.8264	Ave		0.8116				5.6		30.0			
Methyl Ethyl Ketone	+++++ 0.2924	+++++ 0.2869	0.5834 0.2520	0.3154	0.3045	Ave		0.3391				35.9	*	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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
Ethyl acetate	+++++ 0.0495	+++++ 0.0478	+++++ 0.0408	0.0493	0.0496	Ave		0.0474				7.9		30.0			
Tetrahydrofuran	+++++ 0.0846	+++++ 0.0809	+++++ 0.0694	0.0904	0.0856	Ave		0.0822				9.6		30.0			
Chloroform	+++++ 1.9588	1.8822 1.8850	1.9895 1.6528	1.9547	1.9325	Ave		1.8936				6.0		30.0			
Cyclohexane	+++++ 0.1730	0.1866 0.1635	0.1950 0.1377	0.1856	0.1749	Ave		0.1738				10.9		30.0			
1,1,1-Trichloroethane	+++++ 0.3830	0.4127 0.3659	0.4111 0.3131	0.4002	0.3820	Ave		0.3811				9.0		30.0			
Carbon tetrachloride	0.5829 0.4876	0.4704 0.4697	0.4925 0.4076	0.4952	0.4836	Ave		0.4862				9.9		30.0			
2,2,4-Trimethylpentane	+++++ 0.5766	0.6490 0.5435	0.6624 0.4484	0.6333	0.5909	Ave		0.5863				12.6		30.0			
Benzene	+++++ 0.4594	0.5472 0.4331	0.5180 0.3597	0.5031	0.4714	Ave		0.4703				13.2		30.0			
1,2-Dichloroethane	+++++ 0.2343	0.2487 0.2256	0.2355 0.1961	0.2400	0.2341	Ave		0.2306				7.3		30.0			
n-Heptane	+++++ 0.2016	0.2347 0.1890	0.2480 0.1575	0.2188	0.2042	Ave		0.2077				14.4		30.0			
n-Butanol	+++++ 0.0647	+++++ 0.0611	+++++ 0.0585	0.0424	0.0626	Ave		0.0579				15.4		30.0			
Trichloroethene	0.3774 0.3043	0.3125 0.2905	0.2944 0.2479	0.3029	0.2994	Ave		0.3037				11.7		30.0			
1,2-Dichloropropane	+++++ 0.2212	0.2178 0.2109	0.2206 0.1794	0.2269	0.2201	Ave		0.2138				7.4		30.0			
Methyl methacrylate	+++++ 0.2076	+++++ 0.1991	0.1899 0.1698	0.2073	0.2020	Ave		0.1959				7.3		30.0			
1,4-Dioxane	+++++ 0.0896	+++++ 0.0831	+++++ 0.0702	0.0904	0.0967	Ave		0.0860				11.7		30.0			
Dibromomethane	+++++ 0.3586	0.3245 0.3479	0.2999 0.3129	0.3343	0.3440	Ave		0.3317				6.2		30.0			
Bromodichloromethane	+++++ 0.5213	0.4726 0.5032	0.4809 0.4356	0.5135	0.5072	Ave		0.4906				6.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.3712	0.3168 0.3602	0.3030 0.3119	0.3607	0.3636	Ave		0.3410				8.5		30.0			
Methyl isobutyl ketone	+++++ 0.3364	+++++ 0.3223	0.3226 0.2706	0.3580	0.3429	Ave		0.3255				9.2		30.0			
Toluene	+++++ 0.5160	0.5409 0.4921	0.5702 0.4148	0.5322	0.5160	Ave		0.5117				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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
n-Octane	+++++ 0.3361	0.3895 0.3138	0.3814 0.2533	0.3670	0.3435	Ave		0.3406				13.7		30.0			
trans-1,3-Dichloropropene	+++++ 0.3734	0.2782 0.3646	0.2842 0.3200	0.3513	0.3635	Ave		0.3336				11.9		30.0			
1,1,2-Trichloroethane	+++++ 0.2629	0.2837 0.2519	0.2939 0.2120	0.2705	0.2651	Ave		0.2629				10.0		30.0			
Tetrachloroethene	0.6971 0.5594	0.5667 0.5443	0.5712 0.4807	0.5489	0.5442	Ave		0.5641				10.8		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.3107	+++++ 0.3054	0.1191 0.2640	0.2927	0.3200	Ave		0.2687				28.2		30.0			
Dibromochloromethane	+++++ 0.6754	0.5584 0.6568	0.6087 0.5736	0.6513	0.6546	Ave		0.6255				7.3		30.0			
1,2-Dibromoethane	+++++ 0.5221	0.4775 0.5093	0.4453 0.4435	0.5010	0.5131	Ave		0.4874				6.7		30.0			
Chlorobenzene	+++++ 0.7440	0.7175 0.7155	0.7166 0.6153	0.7306	0.7279	Ave		0.7096				6.0		30.0			
Ethylbenzene	+++++ 1.0882	1.0942 1.0417	1.1113 0.8703	1.1015	1.0838	Ave		1.0559				8.0		30.0			
n-Nonane	+++++ 0.4064	0.4533 0.3776	0.4748 0.3024	0.4376	0.4160	Ave		0.4097				13.9		30.0			
m-Xylene & p-Xylene	+++++ 0.4500	0.4450 0.4271	0.4533 0.3418	0.4610	0.4520	Ave		0.4329				9.6		30.0			
o-Xylene	+++++ 0.4595	0.4467 0.4420	0.4670 0.3694	0.4686	0.4585	Ave		0.4445				7.8		30.0			
Styrene	+++++ 0.6841	0.5363 0.6590	0.5149 0.5630	0.6462	0.6121	Ave		0.6022				10.8		30.0			
Bromoform	+++++ 0.7301	0.5148 0.7192	0.5218 0.6279	0.6655	0.6903	Ave		0.6385				13.9		30.0			
Cumene	+++++ 1.2588	1.2756 1.2048	1.3270 0.9860	1.2852	1.2589	Ave		1.2280				9.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6571	0.6608 0.6220	0.6750 0.4961	0.6902	0.6687	Ave		0.6386				10.4		30.0			
n-Propylbenzene	+++++ 1.3992	1.3143 1.3240	1.3453 1.0322	1.4256	1.4070	Ave		1.3211				10.2		30.0			
1,2,3-Trichloropropane	+++++ 0.4580	+++++ 0.4352	0.4667 0.3479	0.4739	0.4669	Ave		0.4414				10.8		30.0			
n-Decane	+++++ 0.4446	+++++ 0.3969	0.5707 0.2813	0.5249	0.4761	Ave		0.4491				22.7		30.0			
4-Ethyltoluene	+++++ 1.1343	1.0874 1.0357	1.1301 0.7443	1.2078	1.1805	Ave		1.0743				14.5		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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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								
2-Chlorotoluene	+++++ 0.9066	0.9710 0.8219	0.9834 0.6068	0.9824	0.9401	Ave		0.8875				15.4		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0736	1.0681 1.0175	1.0875 0.8239	1.0868	1.0656	Ave		1.0318				9.2		30.0			
Alpha Methyl Styrene	+++++ 0.5603	0.4032 0.5470	0.2678 0.4689	0.4626	0.3267	Ave		0.4338				25.1		30.0			
tert-Butylbenzene	+++++ 1.0512	1.1004 0.9965	1.1376 0.8096	1.0894	1.0564	Ave		1.0345				10.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0416	0.9802 0.9972	1.0033 0.8058	1.0591	1.0455	Ave		0.9904				8.7		30.0			
sec-Butylbenzene	+++++ 1.5067	1.5747 1.4189	1.6081 1.1163	1.5917	1.5304	Ave		1.4781				11.6		30.0			
4-Isopropyltoluene	+++++ 1.2956	1.2760 1.2249	1.3192 0.9447	1.3396	1.3076	Ave		1.2439				11.0		30.0			
1,3-Dichlorobenzene	+++++ 0.7365	0.4868 0.7293	0.4605 0.6163	0.6507	0.7095	Ave		0.6271				18.1		30.0			
1,4-Dichlorobenzene	+++++ 0.6935	0.3956 0.7027	0.3693 0.6265	0.5776	0.6594	Ave		0.5750				24.0		30.0			
Benzyl chloride	+++++ 0.6602	0.3466 0.6883	0.3230 0.6398	0.5707	0.6568	Ave		0.5551				27.9		30.0			
n-Butylbenzene	+++++ 0.9810	0.8683 0.9191	0.9321 0.6875	1.0454	1.0183	Ave		0.9217				13.0		30.0			
n-Undecane	+++++ 0.4885	+++++ 0.4368	+++++ 0.3101	0.5860	0.5229	Ave		0.4689				22.2		30.0			
1,2-Dichlorobenzene	+++++ 0.7427	0.5628 0.7368	0.5428 0.6410	0.6807	0.7197	Ave		0.6609				12.4		30.0			
n-Dodecane	+++++ 0.4970	+++++ 0.4409	+++++ 0.2024	0.5506	0.5090	Ave		0.4400				31.5	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.4217	+++++ 0.4397	0.1618 0.3661	0.3294	0.3949	Ave		0.3523				28.7		30.0			
Hexachlorobutadiene	+++++ 0.6963	0.7044 0.6874	0.6980 0.4836	0.7183	0.6992	Ave		0.6696				12.3		30.0			
Naphthalene	+++++ 1.0023	+++++ 1.0042	0.5801 0.7746	0.9479	0.9750	Ave		0.8807				19.3		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4872	0.2992 0.4848	0.3253 0.3104	0.4569	0.4783	Ave		0.4060				22.0		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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55724/3	gie003.d
Level 2	IC 200-55724/4	gie004.d
Level 3	IC 200-55724/5	gie005.d
Level 4	IC 200-55724/6	gie006.d
Level 5	ICIS 200-55724/7	gie007.d
Level 6	IC 200-55724/8	gie008.d
Level 7	IC 200-55724/9	gie009.d
Level 8	IC 200-55724/10	gie010.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
Propylene	BCM	Ave	+++++ 202945	+++++ 256266	8648 456386	69287	135000	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1537039	+++++ 1971717	53951 3440117	531385	1019426	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 628062	+++++ 811496	21706 1438472	215312	417745	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1448221	20326 1852037	51295 3197250	506416	965610	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 308068	+++++ 396773	11104 704189	104976	203578	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 432694	+++++ 554545	17871 973196	145616	280604	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1305 402248	5556 515694	13003 926278	136493	260537	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 255776	3719 330924	9394 589846	88637	170529	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 535497	7295 692117	18300 1227996	184124	357460	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 162516	+++++ 208553	5514 379474	54007	106813	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 293930	4396 376754	12241 675149	99648	196444	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 636331	9039 822792	20975 1460177	213597	416297	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1865583	25364 2395540	64069 4279326	640540	1227745	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 520543	+++++ 663036	20625 1167474	178699	339291	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 144364	+++++ 296100	42809 668385	77653	112661	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Ethyl ether	BCM	Ave	+++++ 261545	3568 335322	8355 596625	86461	169472	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 107309	+++++ 158051	+++++ 292840	49460	90360	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1177657	17138 1504652	41734 2617150	404947	773531	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 490278	7495 629797	17264 1111606	168653	322228	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 529183	+++++ 686204	+++++ 1231798	300701	436044	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1453332	+++++ 1881203	49238 3350693	497511	973265	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 405411	+++++ 488983	+++++ 898931	134737	272143	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 361867	5654 472286	12649 841473	122660	240891	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 222154	+++++ 285432	+++++ 509898	80490	148585	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 412322	+++++ 533066	16607 951881	143160	271417	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 727427	+++++ 868636	+++++ 1635992	258424	495255	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1307845	17253 1687929	42940 2995863	442579	855293	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 640216	9269 827761	21975 1447283	221289	426181	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 256532	+++++ 331046	8344 607224	85780	170094	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 553258	7769 703822	20361 1252406	186489	365675	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3446 920630	12444 1193803	30905 2149813	312180	606743	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 964397	+++++ 1241189	+++++ 2241699	322341	628271	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 775159	10663 992994	25718 1773301	263046	510599	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 270335	+++++ 352872	17920 627691	99678	188110	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 45762	+++++ 58771	+++++ 101682	15576	30619	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 472057	+++++ 610095	+++++ 1085323	162351	313186	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Chloroform	BCM	Ave	+++++ 1811173	24258 2318750	61106 4116720	617771	1193962	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 965387	13437 1232361	34413 2154474	333242	640115	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2137064	29718 2757820	72551 4898031	718343	1397857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	8413 2720528	33869 3539998	86924 6375164	889010	1769771	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3217575	46730 4096205	116903 7013600	1136889	2162590	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2563627	39397 3263893	91419 5626806	903049	1725233	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1307404	17906 1700319	41567 3067983	430895	856580	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1124950	16901 1424715	43768 2463713	392816	747142	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 361038	+++++ 460286	+++++ 915370	76136	229110	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	5446 1697845	22504 2189175	51958 3877351	543765	1095532	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 1234080	15682 1589657	38928 2806031	407291	805397	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 1158275	+++++ 1500597	33506 2656205	372204	739196	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 500059	+++++ 626119	+++++ 1098005	162367	353804	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 2000720	23366 2622347	52934 4895298	600164	1258739	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 2908629	34027 3792213	84866 6813885	921763	1856119	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 2071349	22807 2714524	53479 4878657	647497	1330569	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1876911	+++++ 2429032	56938 4233237	642704	1254681	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 2736482	33743 3546972	85381 6236553	890785	1784113	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1875319	28044 2364998	67309 3962281	658822	1257001	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 2083338	20033 2747968	50153 5005180	630591	1330176	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 1394192	17696 1815555	44014 3188222	452728	916459	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
Tetrachloroethene	CBZ	Ave	8630 2966707	35351 3923321	85534 7228014	918709	1881634	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 1647717	+++++ 2201460	17841 3969784	489827	1106499	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 3582274	34829 4733805	91153 8624810	1090049	2263148	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 2768853	29783 3670661	66689 6669252	838577	1773936	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 3945734	44754 5157218	107312 9251478	1222799	2516566	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 5771428	68254 7508092	166421 13086651	1843544	3747370	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 2155380	28276 2721849	71105 4547424	732421	1438324	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 4773833	55512 6156140	135774 10278157	1543117	3125450	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
o-Xylene	CBZ	Ave	+++++ 2437331	27864 3185750	69939 5554107	784247	1585097	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 3628153	33451 4749576	77105 8465265	1081569	2116145	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 3872045	32112 5183474	78145 9441266	1113831	2386786	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 6676329	79570 8683839	198721 14825918	2151061	4352523	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 3485271	41219 4483273	101082 7459449	1155157	2311876	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 7421110	81982 9542751	201463 15520244	2386024	4864496	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 2429379	+++++ 3136768	69887 5231111	793107	1614354	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 2358044	+++++ 2860471	85470 4229539	878525	1646001	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 6016019	67833 7464877	169237 11191444	2021490	4081554	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 4808588	60568 5924051	147258 9124700	1644228	3250507	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 5694260	66623 7333680	162849 12387856	1818963	3684153	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 2971869	25153 3942532	40096 7050144	774295	1129426	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 5575377	68644 7182654	170353 12172816	1823408	3652429	+++++ 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.: 200-16861-1 Analy Batch No.: 55724

SDG No.: 200-16861

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/17/2013 11:22 Calibration End Date: 05/17/2013 17:12 Calibration ID: 21765

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 5524348	61143 7187742	150241 12116052	1772564	3614818	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 7991374	98228 10226533	240810 16784733	2664060	5291261	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 6871612	79595 8828574	197554 14205142	2242011	4520826	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 3906074	30363 5256425	68958 9267559	1089080	2453230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 3678171	24677 5064744	55308 9420431	966762	2279921	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 3501463	21619 4961009	48371 9620527	955200	2270880	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 5203159	54160 6624510	139579 10338126	1749631	3520840	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 2590839	+++++ 3147957	+++++ 4662998	980861	1807992	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 3939346	35107 5310263	81281 9638310	1139337	2488268	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 2635844	+++++ 3177956	+++++ 3043492	921469	1759701	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 2236740	+++++ 3168861	24236 5505447	551370	1365217	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 3692763	43940 4954499	104528 7271392	1202277	2417444	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 5315989	+++++ 7237908	86871 11647365	1586495	3371066	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 2584080	18661 3493898	48718 4666815	764727	1653731	+++++ 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/G.i/Gsvr.p/gieto15.b/gie003.d
Lab Smp Id: ic 491727
Inj Date : 17-MAY-2013 11:22
Operator : pad Inst ID: G.i
Smp Info : ic 491727
Misc Info : 40,1, level 8
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 11:22 Cal File: gie003.d
Als bottle: 3 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	3.862	3.862	(0.357)	1305	0.04000	0.048(aM)
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

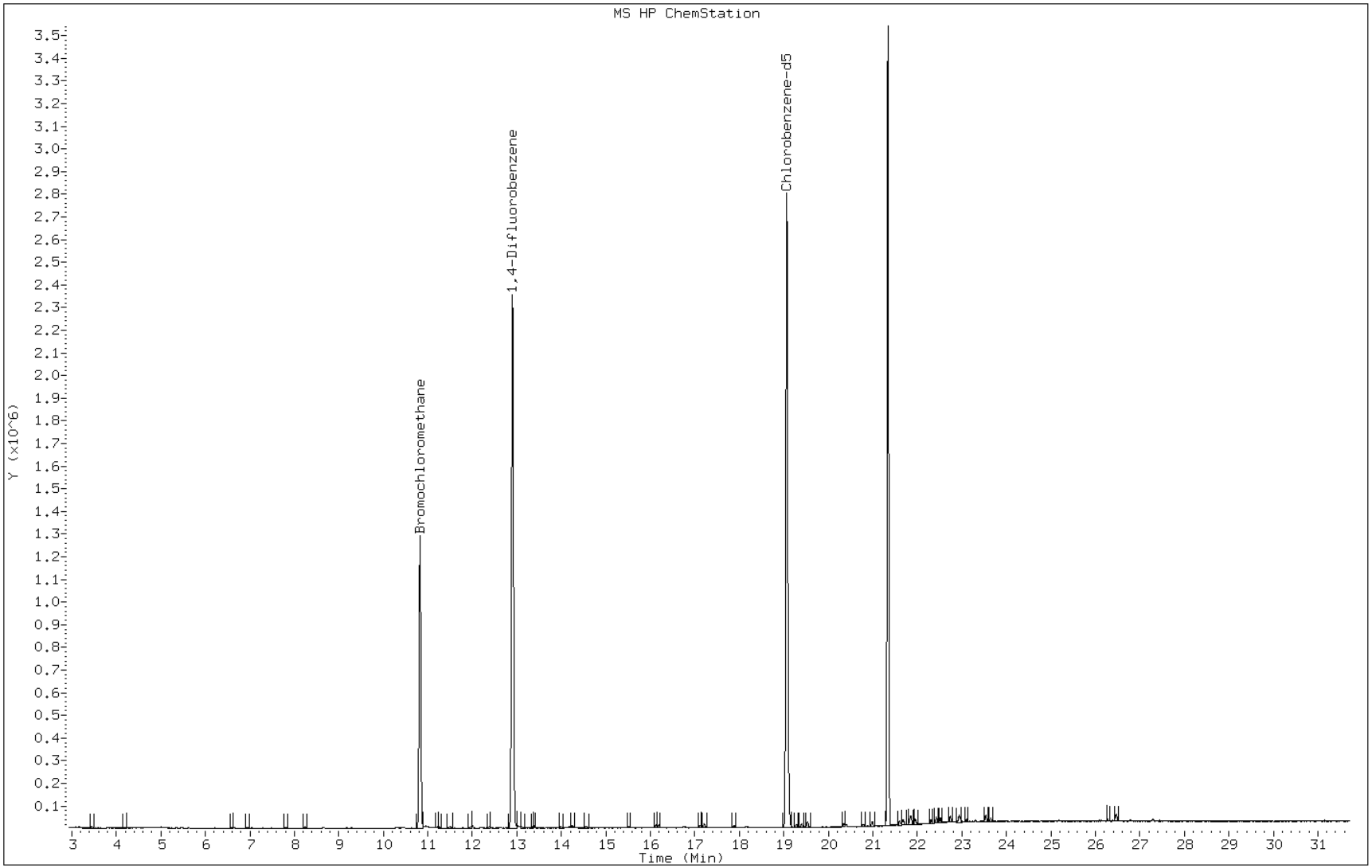
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	Compound Not Detected.					
16	Ethyl ether	59	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	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.					
24	Acetonitrile	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.					
29	Acrylonitrile	53	Compound Not Detected.					
30	n-Hexane	57	Compound Not Detected.					
31	1,1-Dichloroethane	63	9.174	9.174	(0.848)	3446	0.04000	0.054(aM)
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	631600	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	11.502	11.507	(0.891)	8413	0.04000	0.048(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	12.903	12.909	(1.000)	3607968	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	13.385	13.385	(1.037)	5446	0.04000	0.050(a)
50	1,2-Dichloropropane	63	Compound Not Detected.					
51	Methyl methacrylate	69	Compound Not Detected.					
52	Dibromomethane	174	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.					
57	n-Octane	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	17.215	17.215	(0.903)	8630	0.04000	0.049(aQ)
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.061	19.066	(1.000)	3094896	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

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:	gie003.d	Date:	17-MAY-2013 11:22
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491727		
Lab Sample ID:	ic 491727		



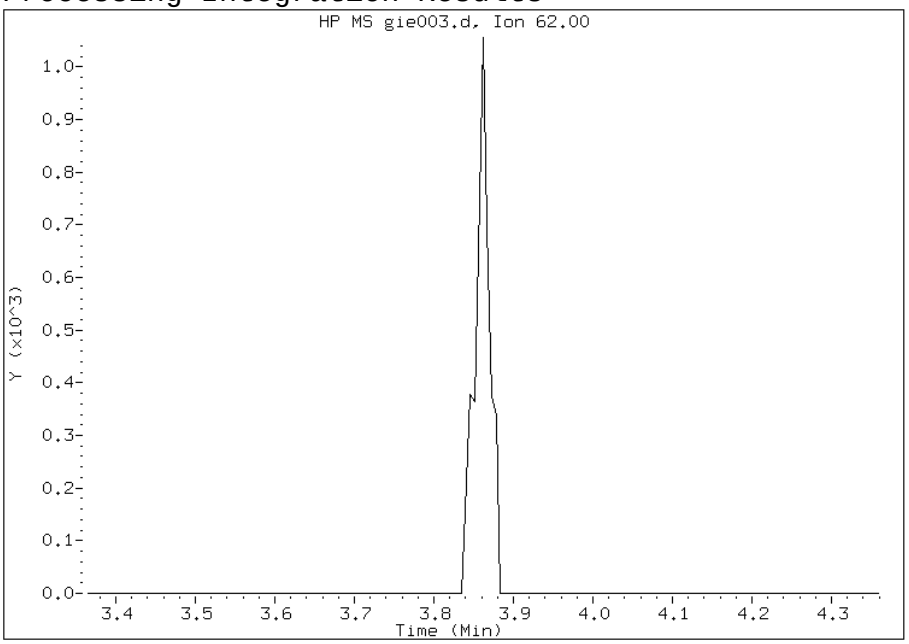
Manual Integration Report

Data File: gie003.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 11:22
Instrument ID: G.i
Client ID:
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 3.86



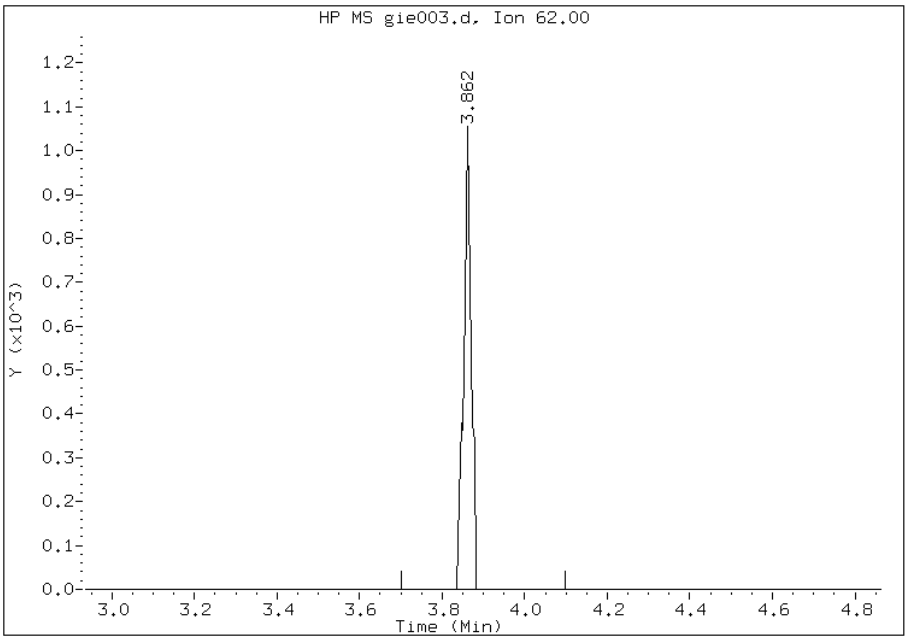
Manual Integration Results

RT: 3.86

Response: 1305

Amount: 0.047901

Conc: 0.047901



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

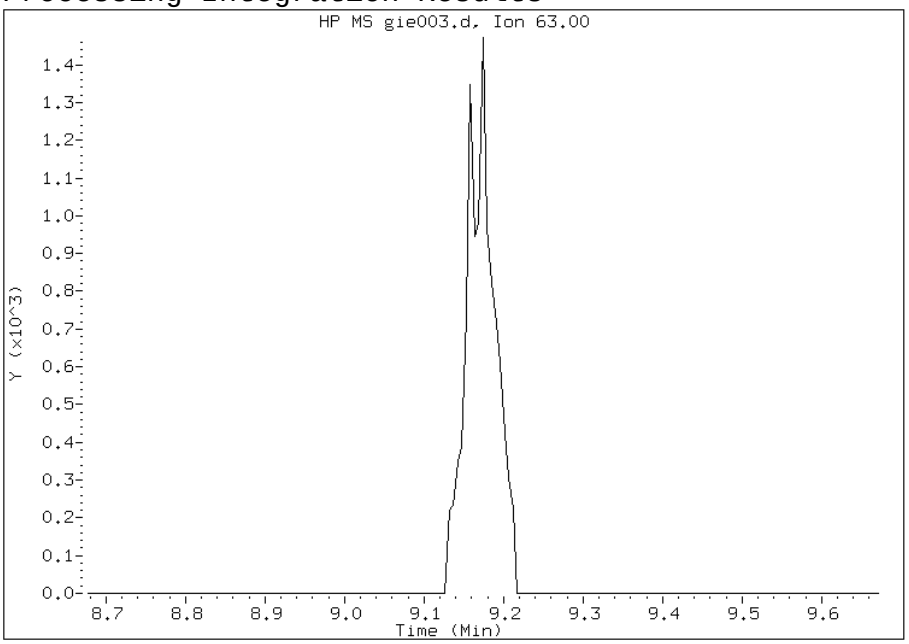
Manual Integration Report

Data File: gie003.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 11:22
Instrument ID: G.i
Client ID:
Compound: 31 1,1-Dichloroethane
CAS #: 75-34-3
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 9.17



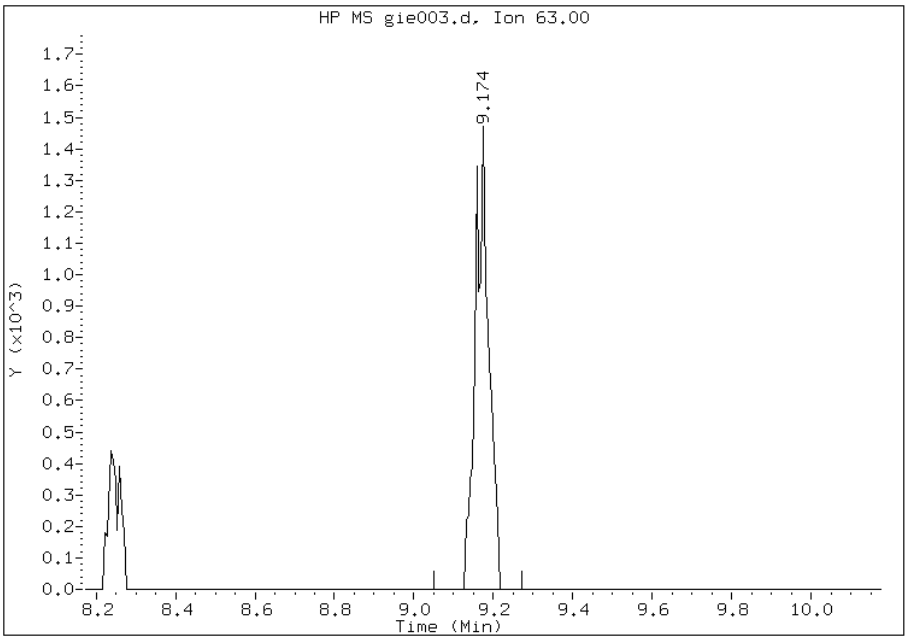
Manual Integration Results

RT: 9.17

Response: 3446

Amount: 0.053655

Conc: 0.053655



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie004.d
Lab Smp Id: ic 491727
Inj Date : 17-MAY-2013 12:12
Operator : pad Inst ID: G.i
Smp Info : ic 491727
Misc Info : 200,1, level 1
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 12:12 Cal File: gie004.d
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)	ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	3311	0.20000	0.23(a)
2	Dichlorodifluoromethane	85	3.156	3.156	(0.292)	22051	0.20000	0.21(a)
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.450	3.445	(0.319)	20326	0.20000	0.21
5	Chloromethane	50	3.595	3.595	(0.332)	4768	0.20000	0.23(a)
6	Butane	43	Compound Not Detected.					
7	Vinyl chloride	62	3.862	3.862	(0.357)	5556	0.20000	0.20
8	1,3-Butadiene	54	3.942	3.948	(0.364)	3719	0.20000	0.21
9	Bromomethane	94	4.675	4.681	(0.432)	7295	0.20000	0.20
10	Chloroethane	64	4.943	4.943	(0.457)	2241	0.20000	0.20(aQ)
11	2-Methylbutane	43	5.023	5.018	(0.464)	4396	0.20000	0.21
12	Vinyl bromide	106	5.355	5.355	(0.495)	9039	0.20000	0.21
13	Trichlorofluoromethane	101	5.462	5.467	(0.505)	25364	0.20000	0.20
14	Pentane	43	5.612	5.622	(0.519)	8280	0.20000	0.23(aM)
15	Ethanol	45	Compound Not Detected.					

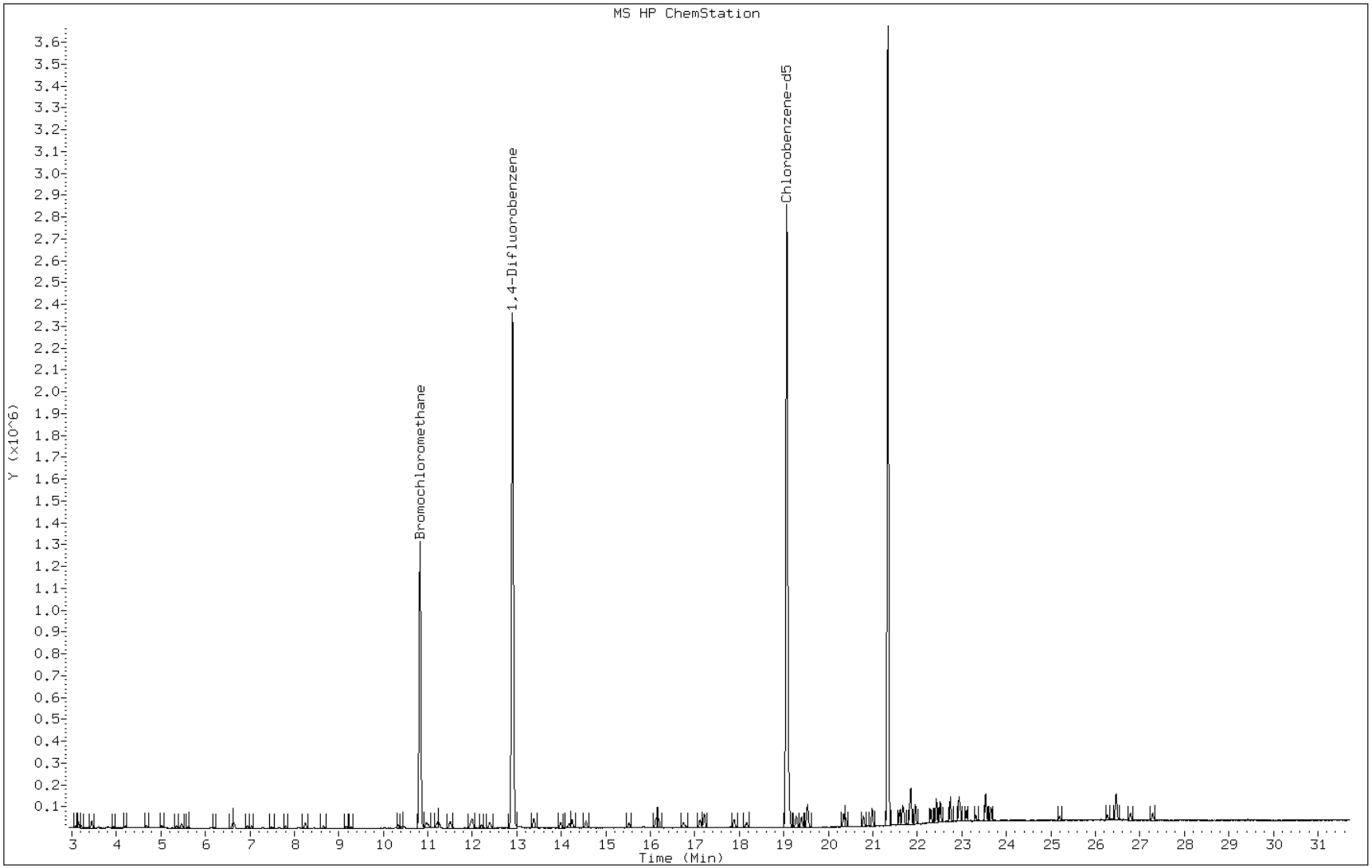
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
16	Ethyl ether	59	6.200	6.184	(0.573)	3568	0.20000	0.20
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	17138	0.20000	0.21
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	6.655	6.655	(0.615)	7495	0.20000	0.22
20	Acetone	43	6.944	6.928	(0.642)	21029	0.20000	0.50(a)
21	Carbon disulfide	76	7.040	7.040	(0.650)	19783	0.20000	0.20(a)
22	Isopropanol	45	7.281	7.254	(0.673)	5451	0.20000	0.20(a)
23	Allyl chloride	41	7.489	7.495	(0.692)	5654	0.20000	0.22(a)
24	Acetonitrile	41	7.650	7.655	(0.707)	3895	0.20000	0.26(a)
25	Methylene chloride	49	7.794	7.800	(0.720)	7373	0.20000	0.25(a)
26	Tert-butyl alcohol	59	Compound Not Detected.					
27	Methyl tert-butyl ether	73	8.238	8.228	(0.761)	17253	0.20000	0.20
28	1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	9269	0.20000	0.21
29	Acrylonitrile	53	8.442	8.442	(0.780)	3587	0.20000	0.21(a)
30	n-Hexane	57	8.656	8.656	(0.800)	7769	0.20000	0.20
31	1,1-Dichloroethane	63	9.169	9.174	(0.847)	12444	0.20000	0.19(a)
32	Vinyl acetate	43	9.276	9.271	(0.857)	13007	0.20000	0.20(a)
M 33	1,2-Dichloroethene,Total	61				19932	0.40000	0.41
34	1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	10663	0.20000	0.20
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	4859	0.20000	0.22(aQ)
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	644404	10.0000	
38	Tetrahydrofuran	42	10.860	10.833	(0.842)	6569	0.20000	0.22(a)
39	Chloroform	83	10.967	10.972	(1.013)	24258	0.20000	0.20
40	Cyclohexane	84	11.202	11.207	(0.868)	13437	0.20000	0.21
41	1,1,1-Trichloroethane	97	11.245	11.250	(0.871)	29718	0.20000	0.22
42	Carbon tetrachloride	117	11.507	11.507	(0.892)	33869	0.20000	0.19(a)
43	2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	46730	0.20000	0.22
44	Benzene	78	11.999	12.004	(0.930)	39397	0.20000	0.23
45	1,2-Dichloroethane	62	12.202	12.208	(0.946)	17906	0.20000	0.22
46	n-Heptane	43	12.395	12.390	(0.961)	16901	0.20000	0.23
* 47	1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3600147	10.0000	
48	n-Butanol	56	Compound Not Detected.					
49	Trichloroethene	95	13.390	13.385	(1.038)	22504	0.20000	0.21
50	1,2-Dichloropropane	63	13.989	13.989	(1.084)	15682	0.20000	0.20
51	Methyl methacrylate	69	14.176	14.171	(1.099)	13629	0.20000	0.19(a)
52	Dibromomethane	174	14.241	14.251	(1.104)	23366	0.20000	0.20
53	1,4-Dioxane	88	Compound Not Detected.					
54	Bromodichloromethane	83	14.562	14.556	(1.129)	34027	0.20000	0.19(a)
55	1,3-Dichloropropene (cis)	75	15.530	15.525	(1.204)	22807	0.20000	0.19(a)
56	Methyl isobutyl ketone	43	15.856	15.835	(1.229)	6880	0.20000	0.059(a)
57	n-Octane	43	16.183	16.183	(1.254)	28044	0.20000	0.23(a)
58	Toluene	92	16.124	16.124	(0.846)	33743	0.20000	0.21
59	1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	20033	0.20000	0.17(a)
60	1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	17696	0.20000	0.22
61	Tetrachloroethene	166	17.215	17.215	(0.903)	35351	0.20000	0.20
62	2-Hexanone	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
63	Dibromochloromethane	129	17.884	17.889	(0.938)	34829	0.20000	0.18(a)
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	29783	0.20000	0.20
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3118906	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	44754	0.20000	0.20
67	n-Nonane	57	19.403	19.403	(1.018)	28276	0.20000	0.22
68	Ethylbenzene	91	19.280	19.280	(1.011)	68254	0.20000	0.21
69	Xylene (m,p)	106	19.526	19.532	(1.024)	55512	0.40000	0.41
M 70	Xylenes, Total	106				83376	0.20000	0.61
71	Xylene (o)	106	20.350	20.345	(1.067)	27864	0.20000	0.20
72	Styrene	104	20.393	20.393	(1.070)	33451	0.20000	0.18(a)
73	Bromoform	173	20.789	20.789	(1.090)	32112	0.20000	0.16(a)
74	Isopropylbenzene	105	20.987	20.987	(1.101)	79570	0.20000	0.21
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	41219	0.20000	0.21
76	n-Propylbenzene	91	21.671	21.671	(1.137)	81982	0.20000	0.20
77	1,2,3-Trichloropropane	75	21.693	21.698	(1.138)	30214	0.20000	0.22(a)
78	n-Decane	57	21.826	21.832	(1.145)	34377	0.20000	0.25(a)
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	67833	0.20000	0.20
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	60568	0.20000	0.22
81	1,3,5-Trimethylbenzene	105	21.950	21.955	(1.151)	66623	0.20000	0.21
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	25153	0.20000	0.19(a)
83	tert-butylbenzene	119	22.426	22.431	(1.176)	68644	0.20000	0.21
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	61143	0.20000	0.20
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	98228	0.20000	0.21
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	79595	0.20000	0.21
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	30363	0.20000	0.16(a)
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	24677	0.20000	0.14(a)
89	Benzyl chloride	91	23.308	23.314	(1.222)	21619	0.20000	0.12(a)
90	Undecane	57	23.544	23.544	(1.235)	34124	0.20000	0.23(a)
91	n-Butylbenzene	91	23.528	23.528	(1.234)	54160	0.20000	0.19(a)
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	35107	0.20000	0.17(a)
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	26.267	26.272	(1.378)	12948	0.20000	0.12(a)
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	43940	0.20000	0.21
96	Naphthalene	128	26.796	26.796	(1.405)	37531	0.20000	0.14(a)
97	1,2,3-Trichlorobenzene	180	27.294	27.289	(1.432)	18661	0.20000	0.15(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:	gie004.d	Date:	17-MAY-2013 12:12
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491727		
Lab Sample ID:	ic 491727		



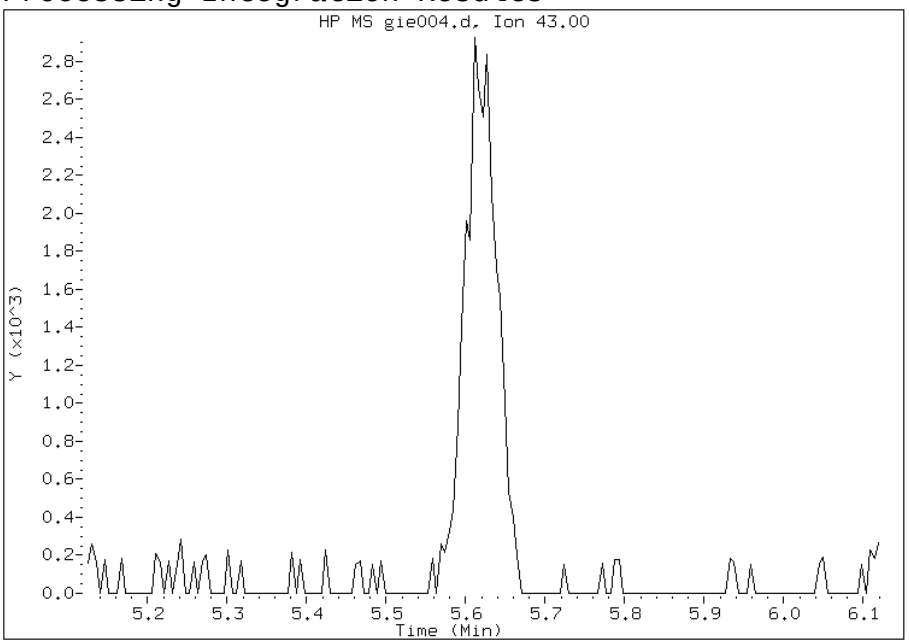
Manual Integration Report

Data File: gie004.d
Lab Sample ID: ic 491727
Inj. Date and Time: 17-MAY-2013 12:12
Instrument ID: G.i
Client ID:
Compound: 14 Pentane
CAS #: 109-66-0
Report Date: 05/20/2013

Processing Integration Results

Not Detected

Expected RT: 5.62



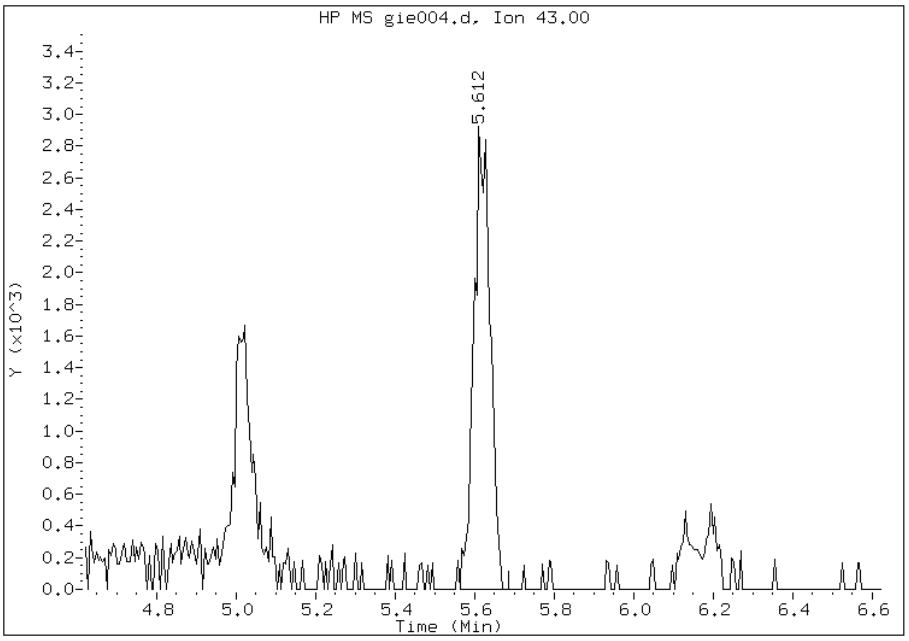
Manual Integration Results

RT: 5.61

Response: 8280

Amount: 0.229666

Conc: 0.229666



File Uploaded By: pd
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie005.d
Lab Smp Id: ic 491513
Inj Date : 17-MAY-2013 13:02
Operator : pad Inst ID: G.i
Smp Info : ic 491513
Misc Info : 200,1, level 2
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 13:02 Cal File: gie005.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	3.081	3.081	(0.285)	8648	0.50000	0.63(a)
2 Dichlorodifluoromethane	85	3.156	3.156	(0.292)	53951	0.50000	0.54
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	21706	0.50000	0.53
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	51295	0.50000	0.54
5 Chloromethane	50	3.595	3.595	(0.332)	11104	0.50000	0.55
6 Butane	43	3.814	3.814	(0.352)	17871	0.50000	0.62
7 Vinyl chloride	62	3.862	3.862	(0.357)	13003	0.50000	0.49
8 1,3-Butadiene	54	3.948	3.948	(0.365)	9394	0.50000	0.55
9 Bromomethane	94	4.681	4.681	(0.432)	18300	0.50000	0.53
10 Chloroethane	64	4.932	4.943	(0.456)	5514	0.50000	0.53
11 2-Methylbutane	43	5.018	5.018	(0.464)	12241	0.50000	0.62
12 Vinyl bromide	106	5.360	5.355	(0.495)	20975	0.50000	0.51
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	64069	0.50000	0.53
14 Pentane	43	5.622	5.622	(0.520)	20625	0.50000	0.60

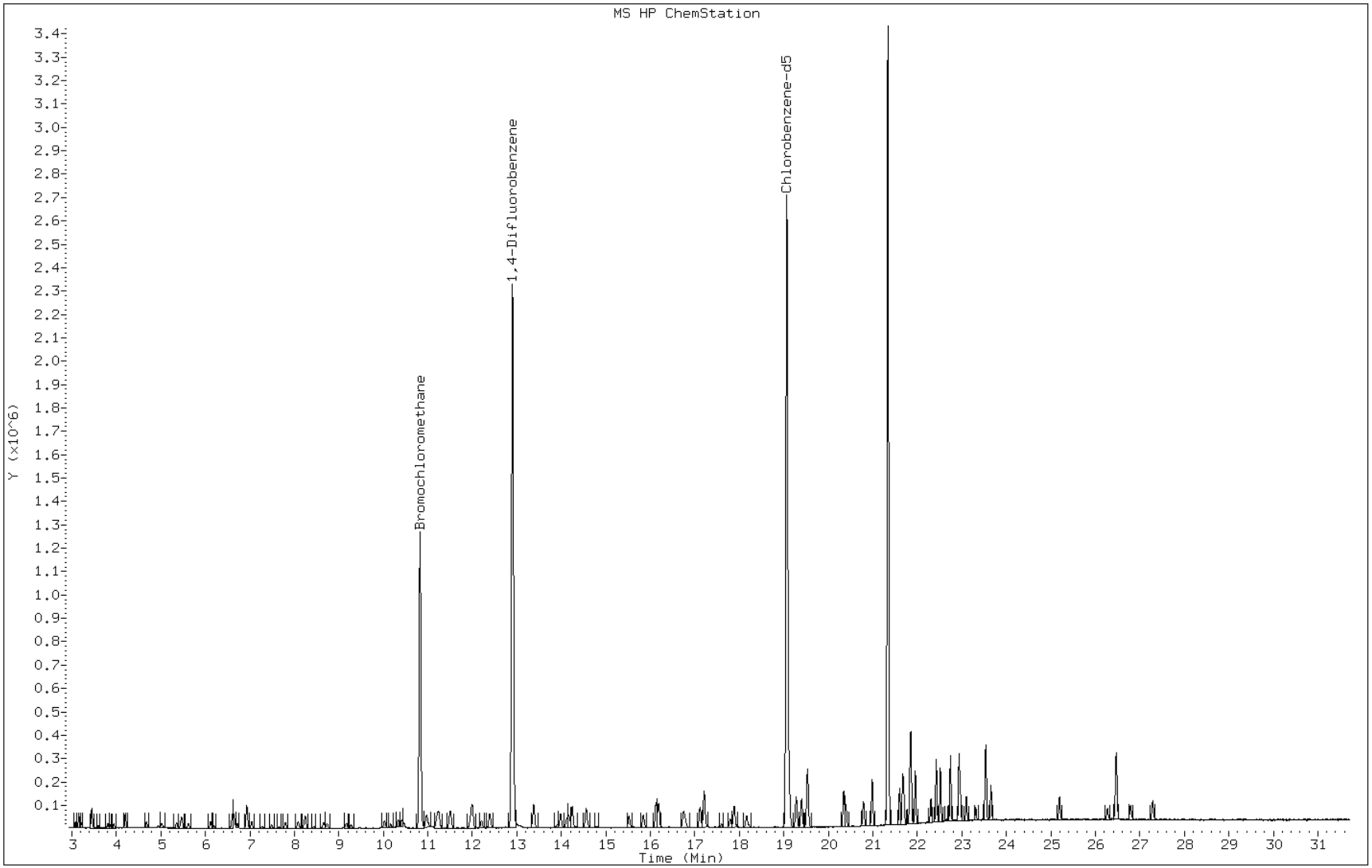
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
15	Ethanol	45	6.120	6.120	(0.565)	42809	5.00000	5.7
16	Ethyl ether	59	6.184	6.184	(0.571)	8355	0.50000	0.50
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	41734	0.50000	0.54
18	Acrolein	56	Compound Not Detected.					
19	1,1-Dichloroethene	96	6.655	6.655	(0.615)	17264	0.50000	0.53
20	Acetone	43	6.933	6.928	(0.641)	158437	0.50000	3.9(a)
21	Carbon disulfide	76	7.040	7.040	(0.650)	49238	0.50000	0.52
22	Isopropanol	45	7.275	7.254	(0.672)	16444	0.50000	0.65(a)
23	Allyl chloride	41	7.484	7.495	(0.692)	12649	0.50000	0.53
24	Acetonitrile	41	7.655	7.655	(0.707)	8276	0.50000	0.57(a)
25	Methylene chloride	49	7.794	7.800	(0.720)	16607	0.50000	0.60
26	Tert-butyl alcohol	59	8.083	8.062	(0.747)	55454	0.50000	1.2(a)
27	Methyl tert-butyl ether	73	8.238	8.228	(0.761)	42940	0.50000	0.51
28	1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	21975	0.50000	0.52
29	Acrylonitrile	53	8.431	8.442	(0.779)	8344	0.50000	0.51
30	n-Hexane	57	8.656	8.656	(0.800)	20361	0.50000	0.56
31	1,1-Dichloroethane	63	9.174	9.174	(0.848)	30905	0.50000	0.49
32	Vinyl acetate	43	9.271	9.271	(0.857)	30848	0.50000	0.50(a)
M 33	1,2-Dichloroethene,Total	61				47693	1.00000	1.0
34	1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	25718	0.50000	0.52
35	Ethyl acetate	88	10.469	10.464	(0.967)	1561	0.50000	0.54(a)
36	Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	17920	0.50000	0.86(Q)
* 37	Bromochloromethane	128	10.822	10.828	(1.000)	614289	10.0000	
38	Tetrahydrofuran	42	10.854	10.833	(0.841)	17156	0.50000	0.59(a)
39	Chloroform	83	10.967	10.972	(1.013)	61106	0.50000	0.53
40	Cyclohexane	84	11.218	11.207	(0.869)	34413	0.50000	0.56
41	1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	72551	0.50000	0.54
42	Carbon tetrachloride	117	11.496	11.507	(0.891)	86924	0.50000	0.51
43	2,2,4-Trimethylpentane	57	11.972	11.978	(0.928)	116903	0.50000	0.56
44	Benzene	78	12.004	12.004	(0.930)	91419	0.50000	0.55
45	1,2-Dichloroethane	62	12.202	12.208	(0.946)	41567	0.50000	0.51
46	n-Heptane	43	12.395	12.390	(0.961)	43768	0.50000	0.60
* 47	1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3529682	10.0000	
48	n-Butanol	56	13.358	13.342	(1.035)	7345	0.50000	0.36(a)
49	Trichloroethene	95	13.379	13.385	(1.037)	51958	0.50000	0.48
50	1,2-Dichloropropane	63	13.984	13.989	(1.084)	38928	0.50000	0.52
51	Methyl methacrylate	69	14.171	14.171	(1.098)	33506	0.50000	0.48(aQ)
52	Dibromomethane	174	14.246	14.251	(1.104)	52934	0.50000	0.45
53	1,4-Dioxane	88	14.235	14.225	(1.103)	9065	0.50000	0.30(a)
54	Bromodichloromethane	83	14.562	14.556	(1.129)	84866	0.50000	0.49
55	1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	53479	0.50000	0.44
56	Methyl isobutyl ketone	43	15.840	15.835	(1.228)	56938	0.50000	0.50
57	n-Octane	43	16.177	16.183	(1.254)	67309	0.50000	0.56
58	Toluene	92	16.124	16.124	(0.846)	85381	0.50000	0.56
59	1,3-Dichloropropene (trans)	75	16.744	16.739	(1.298)	50153	0.50000	0.43
60	1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	44014	0.50000	0.56
61	Tetrachloroethene	166	17.210	17.215	(0.903)	85534	0.50000	0.51

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.590	17.584	(0.923)	17841	0.50000	0.22(aM)
63	Dibromochloromethane	129	17.889	17.889	(0.938)	91153	0.50000	0.49
64	1,2-Dibromoethane	107	18.157	18.162	(0.952)	66689	0.50000	0.46
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	2995021	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	107312	0.50000	0.50
67	n-Nonane	57	19.398	19.403	(1.017)	71105	0.50000	0.58
68	Ethylbenzene	91	19.275	19.280	(1.011)	166421	0.50000	0.53
69	Xylene (m,p)	106	19.531	19.532	(1.024)	135774	1.00000	1.0
M 70	Xylenes, Total	106				205713	0.50000	1.6
71	Xylene (o)	106	20.345	20.345	(1.067)	69939	0.50000	0.53
72	Styrene	104	20.393	20.393	(1.070)	77105	0.50000	0.43
73	Bromoform	173	20.789	20.789	(1.090)	78145	0.50000	0.41
74	Isopropylbenzene	105	20.987	20.987	(1.101)	198721	0.50000	0.54
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	101082	0.50000	0.53
76	n-Propylbenzene	91	21.671	21.671	(1.137)	201463	0.50000	0.51
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	69887	0.50000	0.53
78	n-Decane	57	21.832	21.832	(1.145)	85470	0.50000	0.64
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	169237	0.50000	0.53
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	147258	0.50000	0.55
81	1,3,5-Trimethylbenzene	105	21.950	21.955	(1.151)	162849	0.50000	0.53
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	40096	0.50000	0.31
83	tert-butylbenzene	119	22.426	22.431	(1.176)	170353	0.50000	0.55
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	150241	0.50000	0.51
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	240810	0.50000	0.54
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	197554	0.50000	0.53
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	68958	0.50000	0.37
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	55308	0.50000	0.32
89	Benzyl chloride	91	23.314	23.314	(1.223)	48371	0.50000	0.29
90	Undecane	57	23.544	23.544	(1.235)	89240	0.50000	0.64(a)
91	n-Butylbenzene	91	23.528	23.528	(1.234)	139579	0.50000	0.51
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	81281	0.50000	0.41
93	Dodecane	57	25.197	25.197	(1.322)	49884	0.50000	0.38(a)
94	1,2,4-Trichlorobenzene	180	26.277	26.272	(1.378)	24236	0.50000	0.23(a)
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	104528	0.50000	0.52
96	Naphthalene	128	26.791	26.796	(1.405)	86871	0.50000	0.33(a)
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	48718	0.50000	0.40

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:	gie005.d	Date:	17-MAY-2013 13:02
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491513		
Lab Sample ID:	ic 491513		



Manual Integration Report

Data File: gie005.d
Lab Sample ID: ic 491513
Inj. Date and Time: 17-MAY-2013 13:02
Instrument ID: G.i
Client ID:
Compound: 62 2-Hexanone
CAS #: 591-78-6
Report Date: 05/20/2013

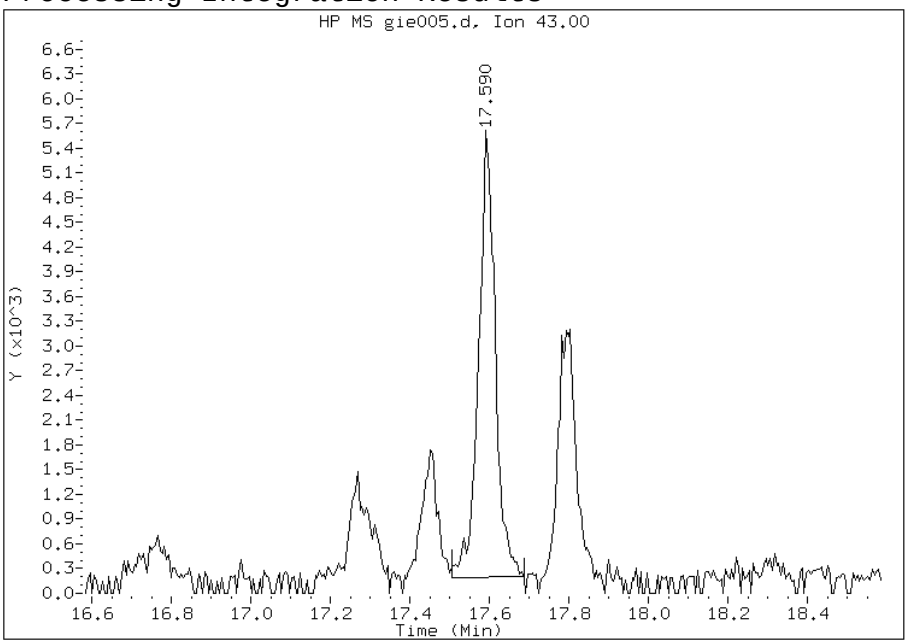
Processing Integration Results

RT: 17.59

Response: 15805

Amount: 0.248009

Conc: 0.248009



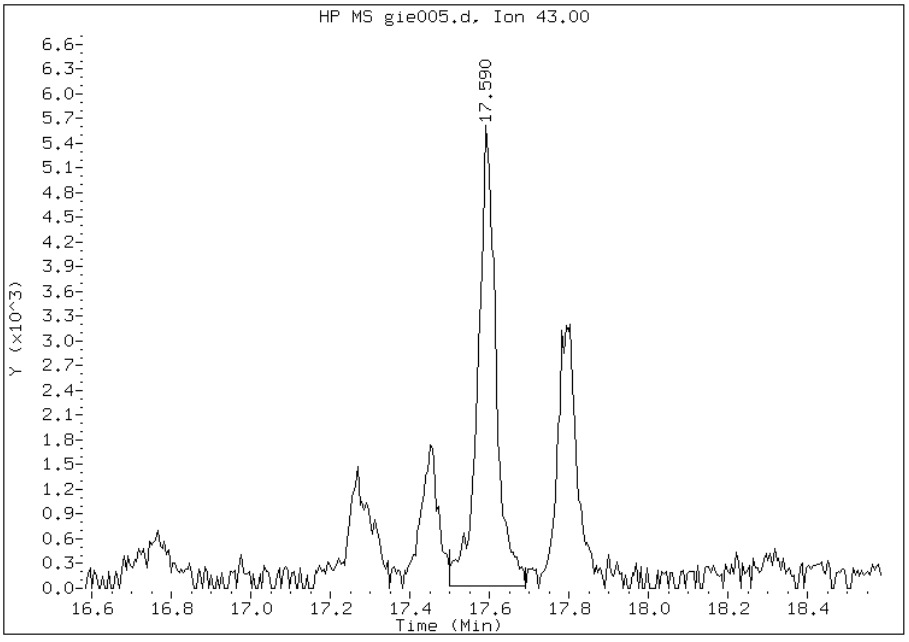
Manual Integration Results

RT: 17.59

Response: 17841

Amount: 0.221727

Conc: 0.221727



File Uploaded By: pd
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie006.d
Lab Smp Id: ic 491510
Inj Date : 17-MAY-2013 13:52
Operator : pad Inst ID: G.i
Smp Info : ic 491510
Misc Info : 200,1, level 3
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 13:52 Cal File: gie006.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1 Propene	41	3.087	3.081	(0.285)	69287	5.00000	4.9(a)
2 Dichlorodifluoromethane	85	3.161	3.156	(0.292)	531385	5.00000	5.2
3 Chlorodifluoromethane	51	3.220	3.215	(0.297)	215312	5.00000	5.1
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	506416	5.00000	5.2
5 Chloromethane	50	3.595	3.595	(0.332)	104976	5.00000	5.1
6 Butane	43	3.814	3.814	(0.352)	145616	5.00000	4.9
7 Vinyl chloride	62	3.862	3.862	(0.357)	136493	5.00000	5.0
8 1,3-Butadiene	54	3.948	3.948	(0.365)	88637	5.00000	5.1
9 Bromomethane	94	4.681	4.681	(0.432)	184124	5.00000	5.2
10 Chloroethane	64	4.943	4.943	(0.456)	54007	5.00000	5.0
11 2-Methylbutane	43	5.012	5.018	(0.463)	99648	5.00000	4.9
12 Vinyl bromide	106	5.355	5.355	(0.495)	213597	5.00000	5.1
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	640540	5.00000	5.2
14 Pentane	43	5.622	5.622	(0.519)	178699	5.00000	5.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	77653	10.0000	10
	16 Ethyl ether	59	6.189	6.184	(0.572)	86461	5.00000	5.1
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	404947	5.00000	5.1
	18 Acrolein	56	6.596	6.596	(0.609)	49460	5.00000	5.9
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	168653	5.00000	5.1
	20 Acetone	43	6.928	6.928	(0.640)	300701	5.00000	7.2
	21 Carbon disulfide	76	7.045	7.040	(0.651)	497511	5.00000	5.1
	22 Isopropanol	45	7.259	7.254	(0.670)	134737	5.00000	5.2
	23 Allyl chloride	41	7.495	7.495	(0.692)	122660	5.00000	5.0
	24 Acetonitrile	41	7.655	7.655	(0.707)	80490	5.00000	5.4
	25 Methylene chloride	49	7.805	7.800	(0.721)	143160	5.00000	5.0
	26 Tert-butyl alcohol	59	8.067	8.062	(0.745)	258424	5.00000	5.4
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	442579	5.00000	5.2
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	221289	5.00000	5.1
	29 Acrylonitrile	53	8.436	8.442	(0.779)	85780	5.00000	5.1
	30 n-Hexane	57	8.661	8.656	(0.800)	186489	5.00000	5.0
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	312180	5.00000	4.9
	32 Vinyl acetate	43	9.276	9.271	(0.857)	322341	5.00000	5.1
M	33 1,2-Dichloroethene,Total	61				484335	10.0000	10
	34 1,2-Dichloroethene (cis)	96	10.335	10.341	(0.955)	263046	5.00000	5.1
	35 Ethyl acetate	88	10.458	10.464	(0.966)	15576	5.00000	5.2
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	99678	5.00000	4.7
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	632078	10.0000	
	38 Tetrahydrofuran	42	10.833	10.833	(0.840)	162351	5.00000	5.5
	39 Chloroform	83	10.967	10.972	(1.013)	617771	5.00000	5.2
	40 Cyclohexane	84	11.207	11.207	(0.869)	333242	5.00000	5.3
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	718343	5.00000	5.2
	42 Carbon tetrachloride	117	11.507	11.507	(0.892)	889010	5.00000	5.1
	43 2,2,4-Trimethylpentane	57	11.972	11.978	(0.928)	1136889	5.00000	5.4
	44 Benzene	78	12.004	12.004	(0.930)	903049	5.00000	5.3
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	430895	5.00000	5.2
	46 n-Heptane	43	12.390	12.390	(0.960)	392816	5.00000	5.3
*	47 1,4-Difluorobenzene	114	12.903	12.909	(1.000)	3590206	10.0000	
	48 n-Butanol	56	13.353	13.342	(1.035)	76136	5.00000	3.7(a)
	49 Trichloroethene	95	13.385	13.385	(1.037)	543765	5.00000	5.0
	50 1,2-Dichloropropane	63	13.984	13.989	(1.084)	407291	5.00000	5.3
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	372204	5.00000	5.3
	52 Dibromomethane	174	14.246	14.251	(1.104)	600164	5.00000	5.0
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	162367	5.00000	5.3
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	921763	5.00000	5.2
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	647497	5.00000	5.3
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	642704	5.00000	5.5
	57 n-Octane	43	16.183	16.183	(1.254)	658822	5.00000	5.4
	58 Toluene	92	16.124	16.124	(0.846)	890785	5.00000	5.2
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	630591	5.00000	5.3
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	452728	5.00000	5.1
	61 Tetrachloroethene	166	17.210	17.215	(0.903)	918709	5.00000	4.9

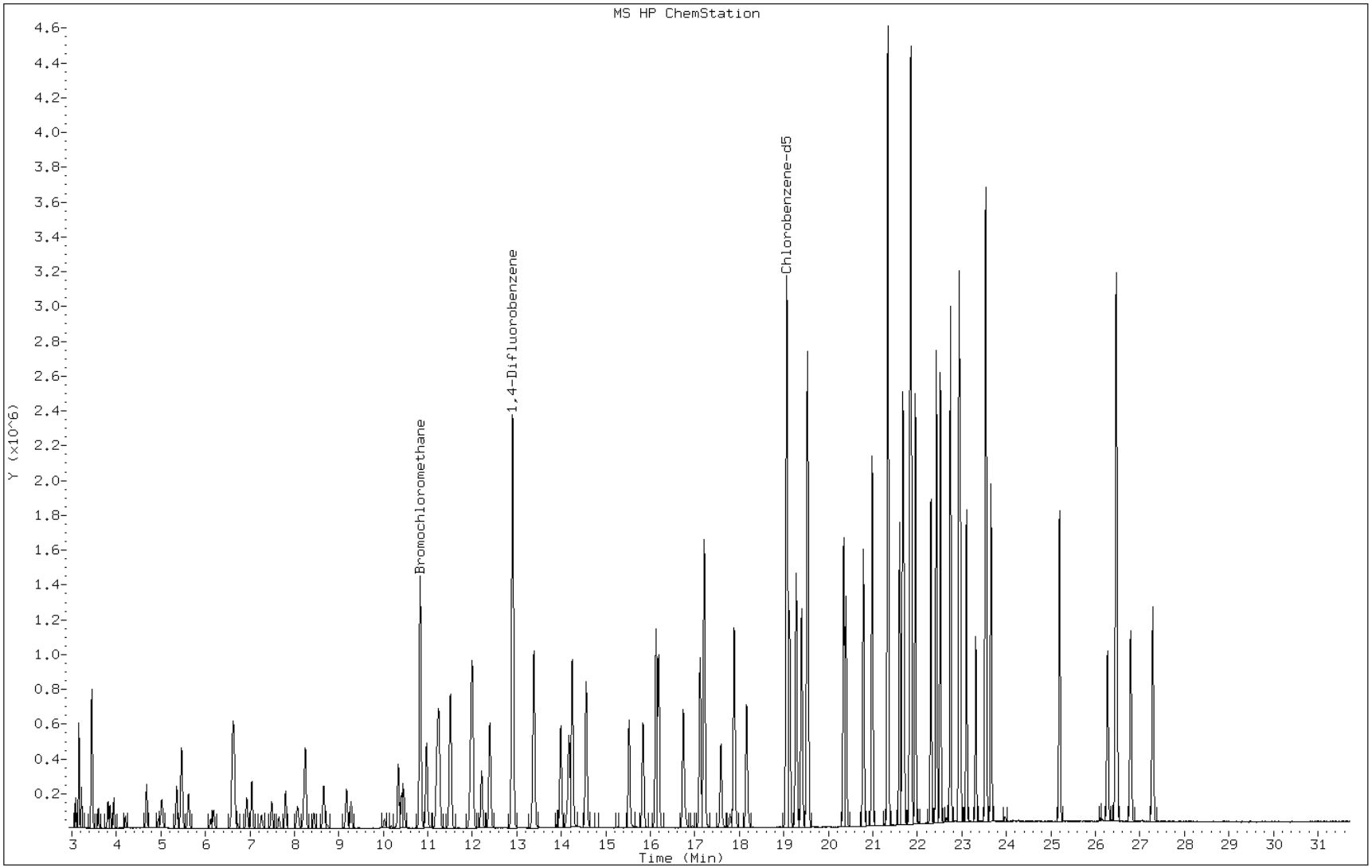
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	489827	5.00000	5.4
63	Dibromochloromethane	129	17.884	17.889	(0.938)	1090049	5.00000	5.2
64	1,2-Dibromoethane	107	18.162	18.162	(0.953)	838577	5.00000	5.1
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3347409	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	1222799	5.00000	5.1
67	n-Nonane	57	19.398	19.403	(1.017)	732421	5.00000	5.3
68	Ethylbenzene	91	19.280	19.280	(1.011)	1843544	5.00000	5.2
69	Xylene (m,p)	106	19.531	19.532	(1.024)	1543117	10.0000	11
M 70	Xylenes, Total	106				2327364	5.00000	16
71	Xylene (o)	106	20.345	20.345	(1.067)	784247	5.00000	5.3
72	Styrene	104	20.393	20.393	(1.070)	1081569	5.00000	5.4
73	Bromoform	173	20.789	20.789	(1.090)	1113831	5.00000	5.2
74	Isopropylbenzene	105	20.987	20.987	(1.101)	2151061	5.00000	5.2
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	1155157	5.00000	5.4
76	n-Propylbenzene	91	21.671	21.671	(1.137)	2386024	5.00000	5.4
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	793107	5.00000	5.4
78	n-Decane	57	21.832	21.832	(1.145)	878525	5.00000	5.8
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	2021490	5.00000	5.6
80	2-Chlorotoluene	91	21.859	21.864	(1.146)	1644228	5.00000	5.5
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	1818963	5.00000	5.3
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	774295	5.00000	5.3
83	tert-butylbenzene	119	22.426	22.431	(1.176)	1823408	5.00000	5.3
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	1772564	5.00000	5.3
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	2664060	5.00000	5.4
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	2242011	5.00000	5.4
87	1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	1089080	5.00000	5.2
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	966762	5.00000	5.0
89	Benzyl chloride	91	23.314	23.314	(1.223)	955200	5.00000	5.1
90	Undecane	57	23.544	23.544	(1.235)	980861	5.00000	6.2
91	n-Butylbenzene	91	23.528	23.528	(1.234)	1749631	5.00000	5.7
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	1139337	5.00000	5.1
93	Dodecane	57	25.197	25.197	(1.322)	921469	5.00000	6.3
94	1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	551370	5.00000	4.7
95	1,3-Hexachlorobutadiene	225	26.465	26.470	(1.388)	1202277	5.00000	5.4
96	Naphthalene	128	26.796	26.796	(1.405)	1586495	5.00000	5.4
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	764727	5.00000	5.6

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: gie006.d
Client ID:
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ic 491510
Lab Sample ID: ic 491510

Date: 17-MAY-2013 13:52
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie007.d
Lab Smp Id: icis 491496
Inj Date : 17-MAY-2013 14:42
Operator : pad Inst ID: G.i
Smp Info : icis 491496
Misc Info : 200,1, level 4
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 14:42 Cal File: gie007.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	3.081	3.081	(0.285)	135000	10.0000	9.9
2	Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1019426	10.0000	10
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	417745	10.0000	10
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	965610	10.0000	10
5	Chloromethane	50	3.595	3.595	(0.332)	203578	10.0000	10
6	Butane	43	3.814	3.814	(0.352)	280604	10.0000	9.7
7	Vinyl chloride	62	3.862	3.862	(0.357)	260537	10.0000	9.8
8	1,3-Butadiene	54	3.948	3.948	(0.365)	170529	10.0000	10
9	Bromomethane	94	4.681	4.681	(0.432)	357460	10.0000	10
10	Chloroethane	64	4.943	4.943	(0.456)	106813	10.0000	10
11	2-Methylbutane	43	5.018	5.018	(0.463)	196444	10.0000	9.8
12	Vinyl bromide	106	5.355	5.355	(0.495)	416297	10.0000	10
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	1227745	10.0000	10
14	Pentane	43	5.622	5.622	(0.519)	339291	10.0000	9.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	112661	15.0000	15
	16 Ethyl ether	59	6.184	6.184	(0.571)	169472	10.0000	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	773531	10.0000	10
	18 Acrolein	56	6.596	6.596	(0.609)	90360	10.0000	11
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	322228	10.0000	9.9
	20 Acetone	43	6.928	6.928	(0.640)	436044	10.0000	11
	21 Carbon disulfide	76	7.040	7.040	(0.650)	973265	10.0000	10
	22 Isopropanol	45	7.254	7.254	(0.670)	272143	10.0000	11
	23 Allyl chloride	41	7.495	7.495	(0.692)	240891	10.0000	10
	24 Acetonitrile	41	7.655	7.655	(0.707)	148585	10.0000	10
	25 Methylene chloride	49	7.800	7.800	(0.720)	271417	10.0000	9.8
	26 Tert-butyl alcohol	59	8.062	8.062	(0.745)	495255	10.0000	11
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	855293	10.0000	10
	28 1,2-Dichloroethene (trans)	61	8.249	8.249	(0.762)	426181	10.0000	10
	29 Acrylonitrile	53	8.442	8.442	(0.780)	170094	10.0000	10
	30 n-Hexane	57	8.656	8.656	(0.799)	365675	10.0000	10
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	606743	10.0000	9.7
	32 Vinyl acetate	43	9.271	9.271	(0.856)	628271	10.0000	10
M	33 1,2-Dichloroethene,Total	61				936780	20.0000	20
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	510599	10.0000	10
	35 Ethyl acetate	88	10.464	10.464	(0.966)	30619	10.0000	10
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.962)	188110	10.0000	9.0
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	617845	10.0000	
	38 Tetrahydrofuran	42	10.833	10.833	(0.839)	313186	10.0000	10
	39 Chloroform	83	10.972	10.972	(1.013)	1193962	10.0000	10
	40 Cyclohexane	84	11.207	11.207	(0.868)	640115	10.0000	10
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	1397857	10.0000	10
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	1769771	10.0000	9.9
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	2162590	10.0000	10
	44 Benzene	78	12.004	12.004	(0.930)	1725233	10.0000	10
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	856580	10.0000	10
	46 n-Heptane	43	12.390	12.390	(0.960)	747142	10.0000	9.8
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3659543	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	229110	10.0000	11
	49 Trichloroethene	95	13.385	13.385	(1.037)	1095532	10.0000	9.9
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	805397	10.0000	10
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	739196	10.0000	10
	52 Dibromomethane	174	14.251	14.251	(1.104)	1258739	10.0000	10
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	353804	10.0000	11
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	1856119	10.0000	10
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	1330569	10.0000	11
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1254681	10.0000	11
	57 n-Octane	43	16.183	16.183	(1.254)	1257001	10.0000	10
	58 Toluene	92	16.124	16.124	(0.846)	1784113	10.0000	10
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	1330176	10.0000	11
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	916459	10.0000	10
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	1881634	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)
62	2-Hexanone	43	17.584	17.584	(0.922)	1106499	10.0000	12
63	Dibromochloromethane	129	17.889	17.889	(0.938)	2263148	10.0000	10
64	1,2-Dibromoethane	107	18.162	18.162	(0.953)	1773936	10.0000	11
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3457464	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	2516566	10.0000	10
67	n-Nonane	57	19.403	19.403	(1.018)	1438324	10.0000	10
68	Ethylbenzene	91	19.280	19.280	(1.011)	3747370	10.0000	10
69	Xylene (m,p)	106	19.532	19.532	(1.024)	3125450	20.0000	21
M 70	Xylenes, Total	106				4710547	10.0000	31
71	Xylene (o)	106	20.345	20.345	(1.067)	1585097	10.0000	10
72	Styrene	104	20.393	20.393	(1.070)	2116145	10.0000	10
73	Bromoform	173	20.789	20.789	(1.090)	2386786	10.0000	11
74	Isopropylbenzene	105	20.987	20.987	(1.101)	4352523	10.0000	10
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	2311876	10.0000	10
76	n-Propylbenzene	91	21.671	21.671	(1.137)	4864496	10.0000	11
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	1614354	10.0000	11
78	n-Decane	57	21.832	21.832	(1.145)	1646001	10.0000	11
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	4081554	10.0000	11
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	3250507	10.0000	11
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	3684153	10.0000	10
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	1129426	10.0000	7.5
83	tert-butylbenzene	119	22.431	22.431	(1.176)	3652429	10.0000	10
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	3614818	10.0000	11
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	5291261	10.0000	10
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	4520826	10.0000	11
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	2453230	10.0000	11
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	2279921	10.0000	11
89	Benzyl chloride	91	23.314	23.314	(1.223)	2270880	10.0000	12
90	Undecane	57	23.544	23.544	(1.235)	1807992	10.0000	11
91	n-Butylbenzene	91	23.528	23.528	(1.234)	3520840	10.0000	11
92	1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	2488268	10.0000	11
93	Dodecane	57	25.197	25.197	(1.322)	1759701	10.0000	12
94	1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	1365217	10.0000	11
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	2417444	10.0000	10
96	Naphthalene	128	26.796	26.796	(1.405)	3371066	10.0000	11
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	1653731	10.0000	12

Data File:	gie007.d	Date:	17-MAY-2013 14:42
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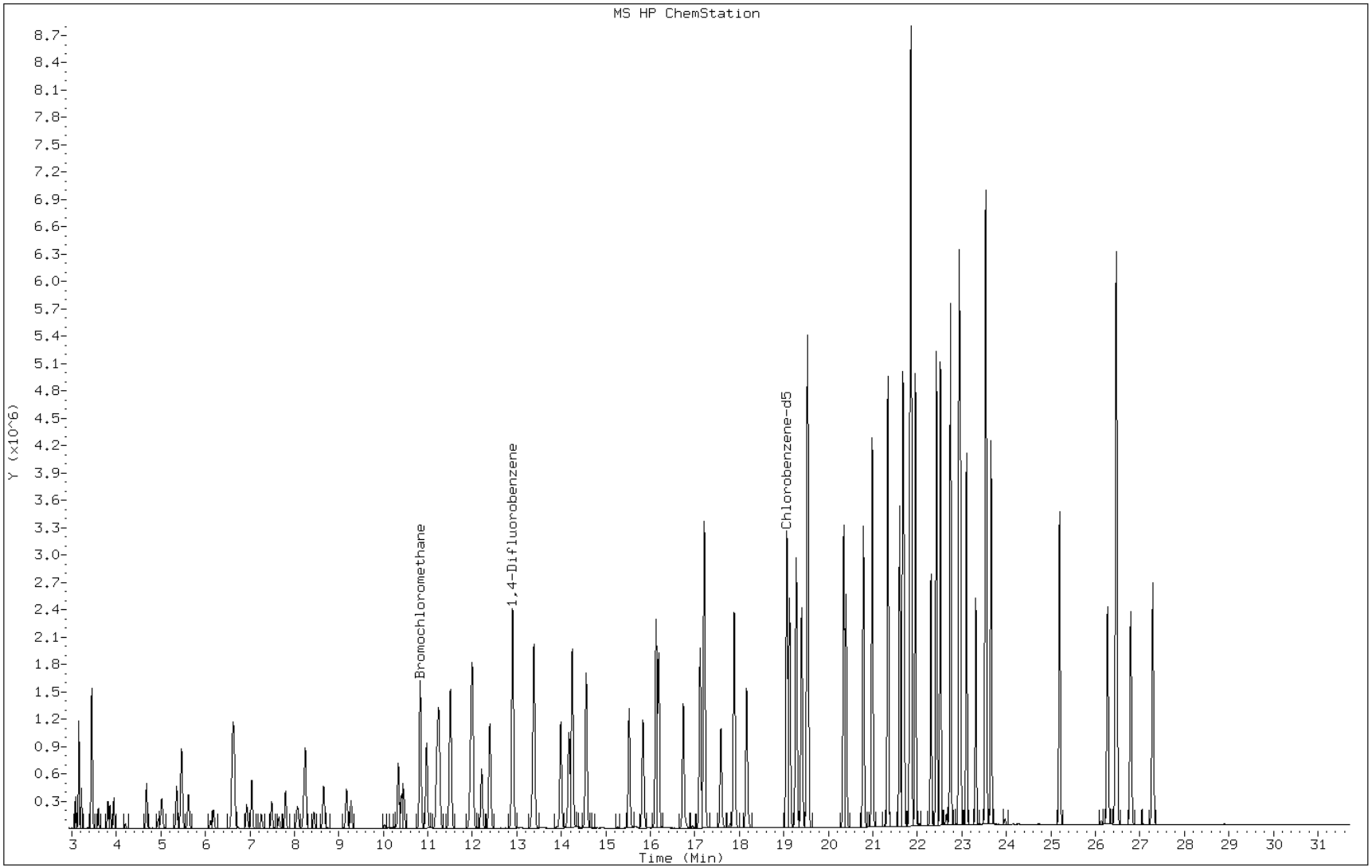
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 491496		
Lab Sample ID:	icis 491496		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie008.d
Lab Smp Id: ic 491507
Inj Date : 17-MAY-2013 15:32
Operator : pad Inst ID: G.i
Smp Info : ic 491507
Misc Info : 200,1, level 5
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 15:32 Cal File: gie008.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

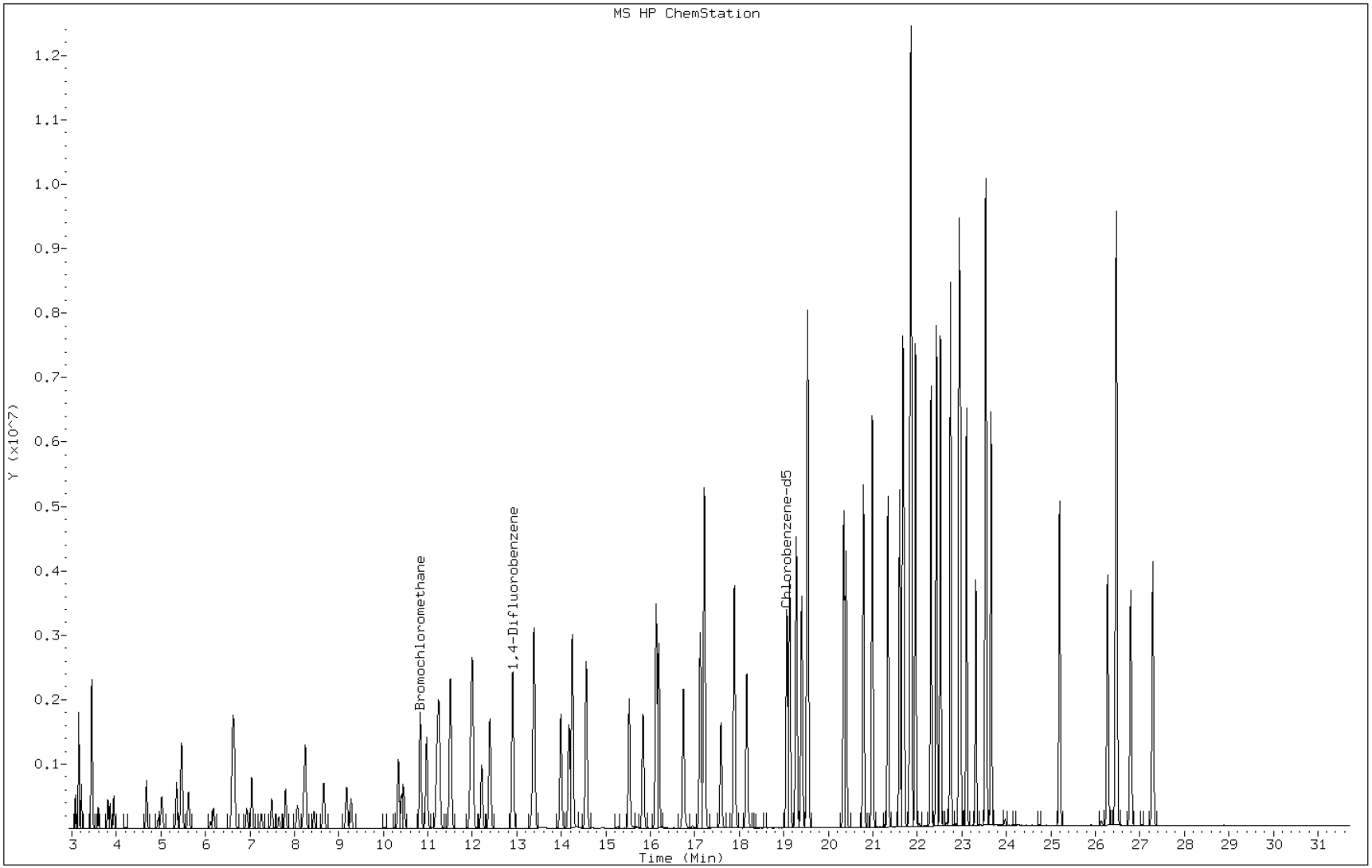
Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	202945	15.0000	15
2	Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1537039	15.0000	15
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	628062	15.0000	15
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1448221	15.0000	15
5	Chloromethane	50	3.589	3.595	(0.332)	308068	15.0000	15
6	Butane	43	3.809	3.814	(0.352)	432694	15.0000	15
7	Vinyl chloride	62	3.857	3.862	(0.356)	402248	15.0000	15
8	1,3-Butadiene	54	3.942	3.948	(0.364)	255776	15.0000	15
9	Bromomethane	94	4.681	4.681	(0.432)	535497	15.0000	15
10	Chloroethane	64	4.938	4.943	(0.456)	162516	15.0000	15
11	2-Methylbutane	43	5.018	5.018	(0.463)	293930	15.0000	15
12	Vinyl bromide	106	5.355	5.355	(0.495)	636331	15.0000	15
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	1865583	15.0000	15
14	Pentane	43	5.622	5.622	(0.519)	520543	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	144364	20.0000	19
	16 Ethyl ether	59	6.184	6.184	(0.571)	261545	15.0000	16
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	1177657	15.0000	15
	18 Acrolein	56	6.596	6.596	(0.609)	107309	15.0000	13
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	490278	15.0000	15
	20 Acetone	43	6.928	6.928	(0.640)	529183	15.0000	13
	21 Carbon disulfide	76	7.040	7.040	(0.650)	1453332	15.0000	15
	22 Isopropanol	45	7.254	7.254	(0.670)	405411	15.0000	16
	23 Allyl chloride	41	7.495	7.495	(0.692)	361867	15.0000	15
	24 Acetonitrile	41	7.655	7.655	(0.707)	222154	15.0000	15
	25 Methylene chloride	49	7.805	7.800	(0.721)	412322	15.0000	15
	26 Tert-butyl alcohol	59	8.067	8.062	(0.745)	727427	15.0000	16
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	1307845	15.0000	16
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	640216	15.0000	15
	29 Acrylonitrile	53	8.442	8.442	(0.780)	256532	15.0000	16
	30 n-Hexane	57	8.661	8.656	(0.800)	553258	15.0000	15
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	920630	15.0000	15
	32 Vinyl acetate	43	9.276	9.271	(0.857)	964397	15.0000	16
M	33 1,2-Dichloroethene,Total	61				1415375	30.0000	31
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	775159	15.0000	15
	35 Ethyl acetate	88	10.464	10.464	(0.966)	45762	15.0000	16
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	270335	15.0000	13
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	616423	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	472057	15.0000	15
	39 Chloroform	83	10.972	10.972	(1.013)	1811173	15.0000	16
	40 Cyclohexane	84	11.213	11.207	(0.869)	965387	15.0000	15
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	2137064	15.0000	15
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	2720528	15.0000	15
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	3217575	15.0000	15
	44 Benzene	78	12.004	12.004	(0.930)	2563627	15.0000	15
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	1307404	15.0000	15
	46 n-Heptane	43	12.390	12.390	(0.960)	1124950	15.0000	15
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3719922	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	361038	15.0000	17
	49 Trichloroethene	95	13.385	13.385	(1.037)	1697845	15.0000	15
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	1234080	15.0000	16
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	1158275	15.0000	16
	52 Dibromomethane	174	14.251	14.251	(1.104)	2000720	15.0000	16
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	500059	15.0000	16
	54 Bromodichloromethane	83	14.562	14.556	(1.128)	2908629	15.0000	16
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	2071349	15.0000	16
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1876911	15.0000	16
	57 n-Octane	43	16.188	16.183	(1.254)	1875319	15.0000	15
	58 Toluene	92	16.129	16.124	(0.846)	2736482	15.0000	15
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	2083338	15.0000	17
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	1394192	15.0000	15
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	2966707	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	1647717	15.0000	17
63	Dibromochloromethane	129	17.889	17.889	(0.938)	3582274	15.0000	16
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	2768853	15.0000	16
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3535838	10.0000	
66	Chlorobenzene	112	19.130	19.125	(1.003)	3945734	15.0000	16
67	n-Nonane	57	19.403	19.403	(1.018)	2155380	15.0000	15
68	Ethylbenzene	91	19.280	19.280	(1.011)	5771428	15.0000	15
69	Xylene (m,p)	106	19.537	19.532	(1.025)	4773833	30.0000	31
M 70	Xylenes, Total	106				7211164	15.0000	47
71	Xylene (o)	106	20.345	20.345	(1.067)	2437331	15.0000	16
72	Styrene	104	20.398	20.393	(1.070)	3628153	15.0000	17
73	Bromoform	173	20.789	20.789	(1.090)	3872045	15.0000	17
74	Isopropylbenzene	105	20.987	20.987	(1.101)	6676329	15.0000	15
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	3485271	15.0000	15
76	n-Propylbenzene	91	21.671	21.671	(1.137)	7421110	15.0000	16
77	1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	2429379	15.0000	16
78	n-Decane	57	21.832	21.832	(1.145)	2358044	15.0000	15
79	4-Ethyltoluene	105	21.853	21.853	(1.146)	6016019	15.0000	16
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	4808588	15.0000	15
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	5694260	15.0000	16
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	2971869	15.0000	19
83	tert-butylbenzene	119	22.431	22.431	(1.176)	5575377	15.0000	15
84	1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	5524348	15.0000	16
85	sec-Butylbenzene	105	22.741	22.741	(1.193)	7991374	15.0000	15
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	6871612	15.0000	16
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	3906074	15.0000	18
88	1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	3678171	15.0000	18
89	Benzyl chloride	91	23.314	23.314	(1.223)	3501463	15.0000	18
90	Undecane	57	23.544	23.544	(1.235)	2590839	15.0000	16
91	n-Butylbenzene	91	23.528	23.528	(1.234)	5203159	15.0000	16
92	1,2-Dichlorobenzene	146	23.661	23.656	(1.241)	3939346	15.0000	17
93	Dodecane	57	25.197	25.197	(1.322)	2635844	15.0000	17
94	1,2,4-Trichlorobenzene	180	26.277	26.272	(1.378)	2236740	15.0000	18
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	3692763	15.0000	16
96	Naphthalene	128	26.796	26.796	(1.405)	5315989	15.0000	17
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	2584080	15.0000	18

Data File:	gie008.d	Date:	17-MAY-2013 15:32
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491507		
Lab Sample ID:	ic 491507		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie009.d
Lab Smp Id: ic 491499
Inj Date : 17-MAY-2013 16:22
Operator : pad Inst ID: G.i
Smp Info : ic 491499
Misc Info : 200,1, level 6
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 16:22 Cal File: gie009.d
Als bottle: 9 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

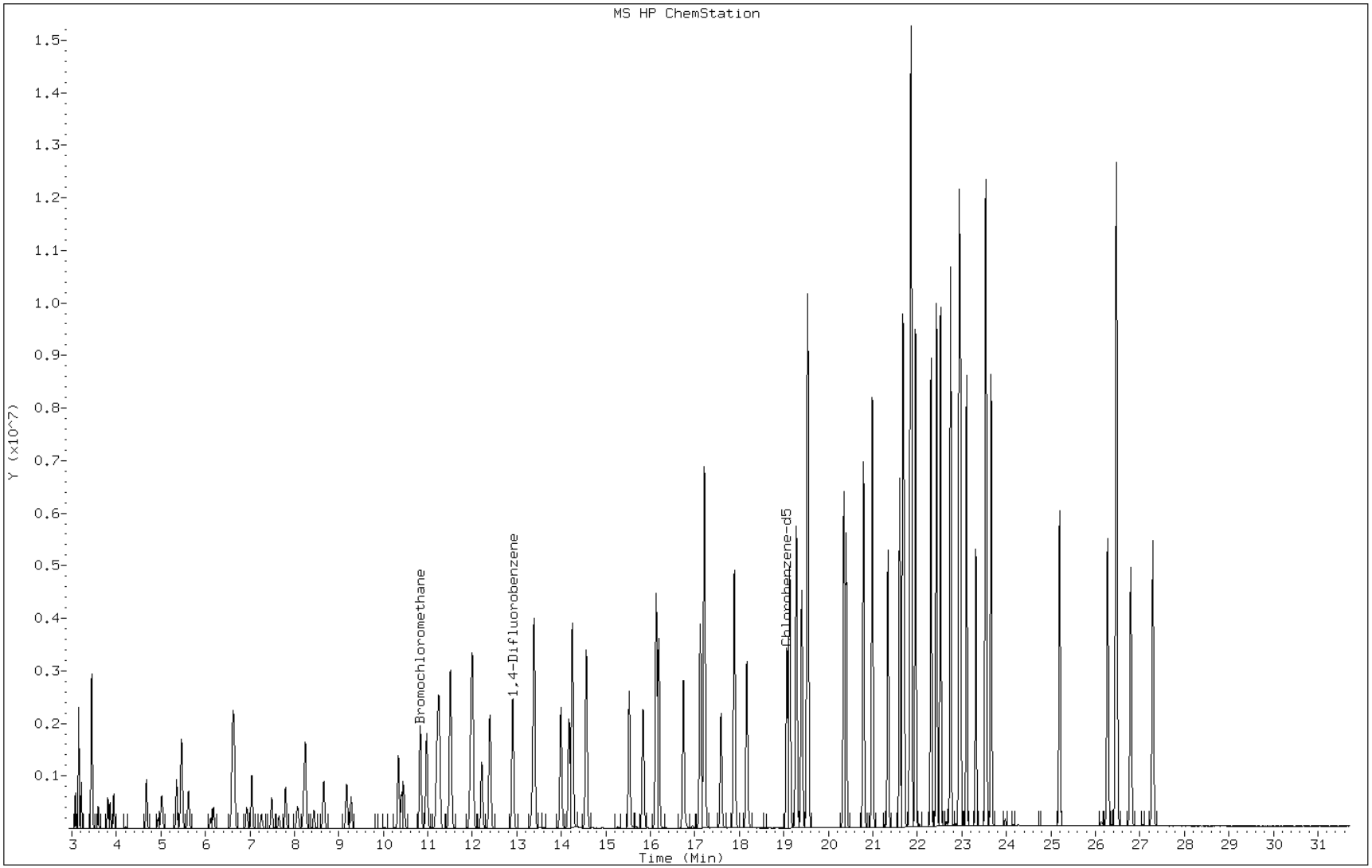
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	3.081	3.081	(0.285)	256266	20.0000	19
2 Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1971717	20.0000	20
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	811496	20.0000	20
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1852037	20.0000	20
5 Chloromethane	50	3.589	3.595	(0.332)	396773	20.0000	20
6 Butane	43	3.809	3.814	(0.352)	554545	20.0000	19
7 Vinyl chloride	62	3.857	3.862	(0.356)	515694	20.0000	19
8 1,3-Butadiene	54	3.943	3.948	(0.364)	330924	20.0000	19
9 Bromomethane	94	4.675	4.681	(0.432)	692117	20.0000	20
10 Chloroethane	64	4.943	4.943	(0.456)	208553	20.0000	20
11 2-Methylbutane	43	5.018	5.018	(0.463)	376754	20.0000	19
12 Vinyl bromide	106	5.355	5.355	(0.495)	822792	20.0000	20
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	2395540	20.0000	20
14 Pentane	43	5.622	5.622	(0.519)	663036	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.120	6.120	(0.565)	296100	40.0000	40
	16 Ethyl ether	59	6.184	6.184	(0.571)	335322	20.0000	20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	1504652	20.0000	20
	18 Acrolein	56	6.596	6.596	(0.609)	158051	20.0000	19
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	629797	20.0000	19
	20 Acetone	43	6.928	6.928	(0.640)	686204	20.0000	17
	21 Carbon disulfide	76	7.040	7.040	(0.650)	1881203	20.0000	20
	22 Isopropanol	45	7.259	7.254	(0.670)	488983	20.0000	19
	23 Allyl chloride	41	7.495	7.495	(0.692)	472286	20.0000	20
	24 Acetonitrile	41	7.655	7.655	(0.707)	285432	20.0000	20
	25 Methylene chloride	49	7.800	7.800	(0.720)	533066	20.0000	19
	26 Tert-butyl alcohol	59	8.072	8.062	(0.746)	868636	20.0000	19
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	1687929	20.0000	20
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	827761	20.0000	20
	29 Acrylonitrile	53	8.442	8.442	(0.780)	331046	20.0000	20
	30 n-Hexane	57	8.661	8.656	(0.800)	703822	20.0000	19
	31 1,1-Dichloroethane	63	9.175	9.174	(0.847)	1193803	20.0000	19
	32 Vinyl acetate	43	9.276	9.271	(0.857)	1241189	20.0000	20
M	33 1,2-Dichloroethene,Total	61				1820755	40.0000	40
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	992994	20.0000	20
	35 Ethyl acetate	88	10.464	10.464	(0.966)	58771	20.0000	20
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	352872	20.0000	17
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	615054	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	610095	20.0000	20
	39 Chloroform	83	10.972	10.972	(1.013)	2318750	20.0000	20
	40 Cyclohexane	84	11.207	11.207	(0.868)	1232361	20.0000	19
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	2757820	20.0000	19
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	3539998	20.0000	19
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	4096205	20.0000	19
	44 Benzene	78	12.010	12.004	(0.930)	3263893	20.0000	18
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	1700319	20.0000	20
	46 n-Heptane	43	12.395	12.390	(0.960)	1424715	20.0000	18
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3768456	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	460286	20.0000	21
	49 Trichloroethene	95	13.385	13.385	(1.037)	2189175	20.0000	19
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	1589657	20.0000	20
	51 Methyl methacrylate	69	14.177	14.171	(1.098)	1500597	20.0000	20
	52 Dibromomethane	174	14.251	14.251	(1.104)	2622347	20.0000	21
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	626119	20.0000	19
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	3792213	20.0000	21
	55 1,3-Dichloropropene (cis)	75	15.530	15.525	(1.203)	2714524	20.0000	21
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	2429032	20.0000	20
	57 n-Octane	43	16.188	16.183	(1.254)	2364998	20.0000	18
	58 Toluene	92	16.129	16.124	(0.846)	3546972	20.0000	19
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	2747968	20.0000	22
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	1815555	20.0000	19
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	3923321	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
62	2-Hexanone	43	17.584	17.584	(0.922)	2201460	20.0000	23
63	Dibromochloromethane	129	17.889	17.889	(0.938)	4733805	20.0000	21
64	1,2-Dibromoethane	107	18.167	18.162	(0.953)	3670661	20.0000	21
* 65	Chlorobenzene-d5	117	19.066	19.066	(1.000)	3603796	10.0000	
66	Chlorobenzene	112	19.125	19.125	(1.003)	5157218	20.0000	20
67	n-Nonane	57	19.403	19.403	(1.018)	2721849	20.0000	18
68	Ethylbenzene	91	19.280	19.280	(1.011)	7508092	20.0000	20
69	Xylene (m,p)	106	19.537	19.532	(1.025)	6156140	40.0000	39
M 70	Xylenes, Total	106				9341890	20.0000	59
71	Xylene (o)	106	20.350	20.345	(1.067)	3185750	20.0000	20
72	Styrene	104	20.398	20.393	(1.070)	4749576	20.0000	22
73	Bromoform	173	20.794	20.789	(1.091)	5183474	20.0000	23
74	Isopropylbenzene	105	20.987	20.987	(1.101)	8683839	20.0000	20
75	1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	4483273	20.0000	19
76	n-Propylbenzene	91	21.671	21.671	(1.137)	9542751	20.0000	20
77	1,2,3-Trichloropropane	75	21.704	21.698	(1.138)	3136768	20.0000	20
78	n-Decane	57	21.832	21.832	(1.145)	2860471	20.0000	18
79	4-Ethyltoluene	105	21.859	21.853	(1.146)	7464877	20.0000	19
80	2-Chlorotoluene	91	21.864	21.864	(1.147)	5924051	20.0000	19
81	1,3,5-Trimethylbenzene	105	21.955	21.955	(1.151)	7333680	20.0000	20
82	Alpha Methyl Styrene	118	22.308	22.308	(1.170)	3942532	20.0000	25
83	tert-butylbenzene	119	22.431	22.431	(1.176)	7182654	20.0000	19
84	1,2,4-Trimethylbenzene	105	22.522	22.517	(1.181)	7187742	20.0000	20
85	sec-Butylbenzene	105	22.747	22.741	(1.193)	10226533	20.0000	19
86	4-Isopropyltoluene	119	22.939	22.939	(1.203)	8828574	20.0000	20
87	1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	5256425	20.0000	23
88	1,4-Dichlorobenzene	146	23.110	23.105	(1.212)	5064744	20.0000	24
89	Benzyl chloride	91	23.314	23.314	(1.223)	4961009	20.0000	25
90	Undecane	57	23.549	23.544	(1.235)	3147957	20.0000	19
91	n-Butylbenzene	91	23.528	23.528	(1.234)	6624510	20.0000	20
92	1,2-Dichlorobenzene	146	23.662	23.656	(1.241)	5310263	20.0000	22
93	Dodecane	57	25.197	25.197	(1.322)	3177956	20.0000	20
94	1,2,4-Trichlorobenzene	180	26.278	26.272	(1.378)	3168861	20.0000	25
95	1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	4954499	20.0000	21
96	Naphthalene	128	26.796	26.796	(1.405)	7237908	20.0000	23
97	1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	3493898	20.0000	24

Data File:	gie009.d	Date:	17-MAY-2013 16:22
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491499		
Lab Sample ID:	ic 491499		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie010.d
Lab Smp Id: ic 491500
Inj Date : 17-MAY-2013 17:12
Operator : pad Inst ID: G.i
Smp Info : ic 491500
Misc Info : 200,1, level 7
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	3.087	3.081	(0.285)	456386	40.0000	33
2	Dichlorodifluoromethane	85	3.161	3.156	(0.292)	3440117	40.0000	34
3	Chlorodifluoromethane	51	3.220	3.215	(0.297)	1438472	40.0000	35
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	3197250	40.0000	33
5	Chloromethane	50	3.595	3.595	(0.332)	704189	40.0000	35
6	Butane	43	3.814	3.814	(0.352)	973196	40.0000	33
7	Vinyl chloride	62	3.862	3.862	(0.357)	926278	40.0000	34
8	1,3-Butadiene	54	3.948	3.948	(0.364)	589846	40.0000	34
9	Bromomethane	94	4.681	4.681	(0.432)	1227996	40.0000	35
10	Chloroethane	64	4.943	4.943	(0.456)	379474	40.0000	36
11	2-Methylbutane	43	5.023	5.018	(0.464)	675149	40.0000	33
12	Vinyl bromide	106	5.360	5.355	(0.495)	1460177	40.0000	35
13	Trichlorofluoromethane	101	5.467	5.467	(0.505)	4279326	40.0000	35
14	Pentane	43	5.622	5.622	(0.519)	1167474	40.0000	34

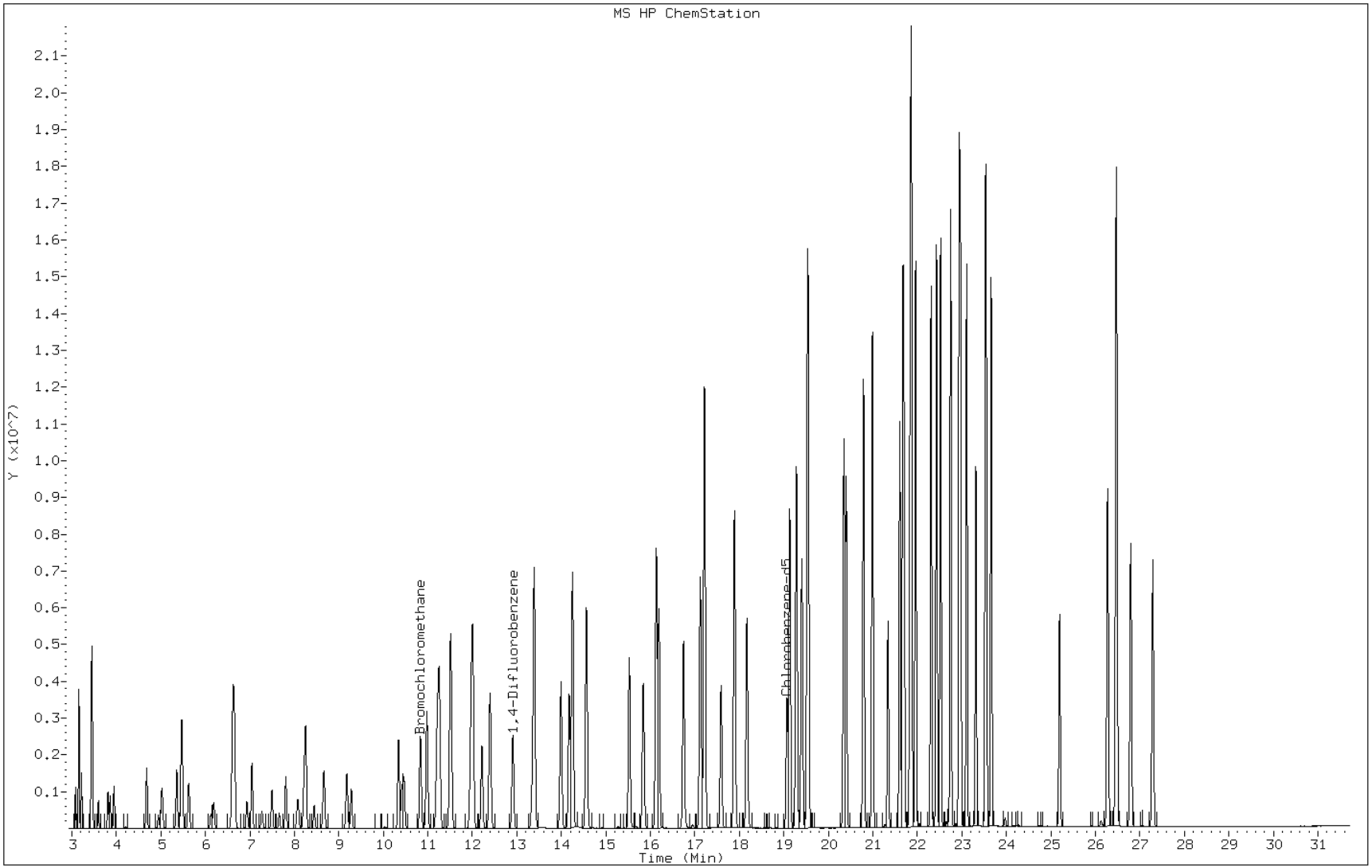
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.125	6.120	(0.565)	668385	100.000	88
	16 Ethyl ether	59	6.189	6.184	(0.571)	596625	40.0000	35
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.623	6.617	(0.611)	2617150	40.0000	34
	18 Acrolein	56	6.601	6.596	(0.609)	292840	40.0000	35
	19 1,1-Dichloroethene	96	6.660	6.655	(0.615)	1111606	40.0000	34
	20 Acetone	43	6.933	6.928	(0.640)	1231798	40.0000	30
	21 Carbon disulfide	76	7.045	7.040	(0.650)	3350693	40.0000	35
	22 Isopropanol	45	7.270	7.254	(0.671)	898931	40.0000	35
	23 Allyl chloride	41	7.500	7.495	(0.692)	841473	40.0000	35
	24 Acetonitrile	41	7.661	7.655	(0.707)	509898	40.0000	35
	25 Methylene chloride	49	7.805	7.800	(0.720)	951881	40.0000	34
	26 Tert-butyl alcohol	59	8.078	8.062	(0.746)	1635992	40.0000	35
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	2995863	40.0000	35
	28 1,2-Dichloroethene (trans)	61	8.260	8.249	(0.762)	1447283	40.0000	34
	29 Acrylonitrile	53	8.447	8.442	(0.780)	607224	40.0000	36
	30 n-Hexane	57	8.661	8.656	(0.800)	1252406	40.0000	34
	31 1,1-Dichloroethane	63	9.180	9.174	(0.847)	2149813	40.0000	34
	32 Vinyl acetate	43	9.282	9.271	(0.857)	2241699	40.0000	36
M	33 1,2-Dichloroethene,Total	61				3220584	80.0000	69
	34 1,2-Dichloroethene (cis)	96	10.346	10.341	(0.955)	1773301	40.0000	35
	35 Ethyl acetate	88	10.464	10.464	(0.966)	101682	40.0000	34
	36 Methyl Ethyl Ketone	72	10.416	10.416	(0.961)	627691	40.0000	30
*	37 Bromochloromethane	128	10.833	10.828	(1.000)	622674	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	1085323	40.0000	34
	39 Chloroform	83	10.977	10.972	(1.013)	4116720	40.0000	35
	40 Cyclohexane	84	11.213	11.207	(0.869)	2154474	40.0000	32
	41 1,1,1-Trichloroethane	97	11.256	11.250	(0.872)	4898031	40.0000	33
	42 Carbon tetrachloride	117	11.512	11.507	(0.892)	6375164	40.0000	34
	43 2,2,4-Trimethylpentane	57	11.978	11.978	(0.928)	7013600	40.0000	31
	44 Benzene	78	12.010	12.004	(0.930)	5626806	40.0000	31
	45 1,2-Dichloroethane	62	12.213	12.208	(0.946)	3067983	40.0000	34
	46 n-Heptane	43	12.395	12.390	(0.960)	2463713	40.0000	30
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3910624	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	915370	40.0000	40(A)
	49 Trichloroethene	95	13.390	13.385	(1.037)	3877351	40.0000	33
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	2806031	40.0000	34
	51 Methyl methacrylate	69	14.177	14.171	(1.098)	2656205	40.0000	35
	52 Dibromomethane	174	14.251	14.251	(1.104)	4895298	40.0000	38
	53 1,4-Dioxane	88	14.225	14.225	(1.102)	1098005	40.0000	33
	54 Bromodichloromethane	83	14.562	14.556	(1.128)	6813885	40.0000	36
	55 1,3-Dichloropropene (cis)	75	15.530	15.525	(1.203)	4878657	40.0000	37
	56 Methyl isobutyl ketone	43	15.840	15.835	(1.227)	4233237	40.0000	33
	57 n-Octane	43	16.188	16.183	(1.254)	3962281	40.0000	30
	58 Toluene	92	16.129	16.124	(0.846)	6236553	40.0000	32
	59 1,3-Dichloropropene (trans)	75	16.744	16.739	(1.297)	5005180	40.0000	38
	60 1,1,2-Trichloroethane	83	17.124	17.119	(0.898)	3188222	40.0000	32
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	7228014	40.0000	34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	62 2-Hexanone	43	17.590	17.584	(0.923)	3969784	40.0000	39
	63 Dibromochloromethane	129	17.889	17.889	(0.938)	8624810	40.0000	37
	64 1,2-Dibromoethane	107	18.167	18.162	(0.953)	6669252	40.0000	36
*	65 Chlorobenzene-d5	117	19.066	19.066	(1.000)	3759093	10.0000	
	66 Chlorobenzene	112	19.130	19.125	(1.003)	9251478	40.0000	35
	67 n-Nonane	57	19.403	19.403	(1.018)	4547424	40.0000	30
	68 Ethylbenzene	91	19.285	19.280	(1.012)	13086651	40.0000	33
	69 Xylene (m,p)	106	19.537	19.532	(1.025)	10278157	80.0000	63
M	70 Xylenes, Total	106				15832264	40.0000	96
	71 Xylene (o)	106	20.350	20.345	(1.067)	5554107	40.0000	33
	72 Styrene	104	20.398	20.393	(1.070)	8465265	40.0000	37
	73 Bromoform	173	20.794	20.789	(1.091)	9441266	40.0000	39
	74 Isopropylbenzene	105	20.992	20.987	(1.101)	14825918	40.0000	32
	75 1,1,2,2-Tetrachloroethane	83	21.607	21.602	(1.133)	7459449	40.0000	31
	76 n-Propylbenzene	91	21.677	21.671	(1.137)	15520244	40.0000	31
	77 1,2,3-Trichloropropane	75	21.704	21.698	(1.138)	5231111	40.0000	32
	78 n-Decane	57	21.832	21.832	(1.145)	4229539	40.0000	25
	79 4-Ethyltoluene	105	21.859	21.853	(1.146)	11191444	40.0000	28
	80 2-Chlorotoluene	91	21.869	21.864	(1.147)	9124700	40.0000	27
	81 1,3,5-Trimethylbenzene	105	21.960	21.955	(1.152)	12387856	40.0000	32
	82 Alpha Methyl Styrene	118	22.313	22.308	(1.170)	7050144	40.0000	43(A)
	83 tert-butylbenzene	119	22.431	22.431	(1.176)	12172816	40.0000	31
	84 1,2,4-Trimethylbenzene	105	22.522	22.517	(1.181)	12116052	40.0000	33
	85 sec-Butylbenzene	105	22.747	22.741	(1.193)	16784733	40.0000	30
	86 4-Isopropyltoluene	119	22.945	22.939	(1.203)	14205142	40.0000	30
	87 1,3-Dichlorobenzene	146	22.971	22.971	(1.205)	9267559	40.0000	39
	88 1,4-Dichlorobenzene	146	23.111	23.105	(1.212)	9420431	40.0000	44(A)
	89 Benzyl chloride	91	23.314	23.314	(1.223)	9620527	40.0000	46(A)
	90 Undecane	57	23.549	23.544	(1.235)	4662998	40.0000	26
	91 n-Butylbenzene	91	23.528	23.528	(1.234)	10338126	40.0000	30
	92 1,2-Dichlorobenzene	146	23.662	23.656	(1.241)	9638310	40.0000	39
	93 Dodecane	57	25.197	25.197	(1.322)	3043492	40.0000	18
	94 1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	5505447	40.0000	42(A)
	95 1,3-Hexachlorobutadiene	225	26.470	26.470	(1.388)	7271392	40.0000	29
	96 Naphthalene	128	26.796	26.796	(1.405)	11647365	40.0000	35
	97 1,2,3-Trichlorobenzene	180	27.289	27.289	(1.431)	4666815	40.0000	31

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	gie010.d	Date:	17-MAY-2013 17:12
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 491500		
Lab Sample ID:	ic 491500		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
Propylene	Ave	0.2217	0.2188		9.87	10.0	-1.3	30.0
Dichlorodifluoromethane	Ave	1.622	1.723		10.6	10.0	6.2	30.0
Freon 22	Ave	0.6634	0.6929		10.4	10.0	4.4	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.538	1.624		10.6	10.0	5.6	30.0
Chloromethane	Ave	0.3269	0.3397		10.4	10.0	3.9	30.0
n-Butane	Ave	0.4677	0.4596		9.83	10.0	-1.7	30.0
Vinyl chloride	Ave	0.4313	0.4451		10.3	10.0	3.2	30.0
1,3-Butadiene	Ave	0.2762	0.2907		10.5	10.0	5.3	30.0
Bromomethane	Ave	0.5654	0.5813		10.3	10.0	2.8	30.0
Chloroethane	Ave	0.1702	0.1779		10.5	10.0	4.5	30.0
Isopentane	Ave	0.3240	0.3222		9.94	10.0	-0.6	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6682	0.7131		10.7	10.0	6.7	30.0
Trichlorofluoromethane	Ave	1.964	2.107		10.7	10.0	7.3	30.0
n-Pentane	Ave	0.5595	0.5492		9.81	10.0	-1.8	30.0
Ethanol	Ave	0.1214	0.1504		18.6	15.0	23.9	30.0
Ethyl ether	Ave	0.2702	0.2722		10.1	10.0	0.7	30.0
Acrolein	Ave	0.1330	0.1269		9.54	10.0	-4.6	30.0
Freon TF	Ave	1.253	1.419		11.3	10.0	13.2	30.0
1,1-Dichloroethene	Ave	0.5268	0.6057		11.5	10.0	15.0	30.0
Acetone	Ave	0.6564	0.8468		12.9	10.0	29.0	30.0
Carbon disulfide	Ave	1.533	1.626		10.6	10.0	6.1	30.0
Isopropyl alcohol	Ave	0.4127	0.4072		9.86	10.0	-1.3	30.0
3-Chloropropene	Ave	0.3917	0.4052		10.3	10.0	3.5	30.0
Acetonitrile	Ave	0.2344	0.2350		10.0	10.0	0.2	30.0
Methylene Chloride	Ave	0.4491	0.5030		11.2	10.0	12.0	30.0
tert-Butyl alcohol	Ave	0.7538	0.7448		9.88	10.0	-1.2	30.0
Methyl tert-butyl ether	Ave	1.359	1.454		10.7	10.0	7.0	30.0
trans-1,2-Dichloroethene	Ave	0.6816	0.7124		10.4	10.0	4.5	30.0
Acrylonitrile	Ave	0.2681	0.2843		10.6	10.0	6.0	30.0
n-Hexane	Ave	0.5887	0.6051		10.3	10.0	2.8	30.0
1,1-Dichloroethane	Ave	1.017	1.024		10.1	10.0	0.7	30.0
Vinyl acetate	Ave	0.998	1.026		10.3	10.0	2.9	30.0
cis-1,2-Dichloroethene	Ave	0.8116	0.8784		10.8	10.0	8.2	30.0
Methyl Ethyl Ketone	Ave	0.3391	0.3141		9.26	10.0	-7.4	30.0
Ethyl acetate	Ave	0.0474	0.0523		11.0	10.0	10.4	30.0
Tetrahydrofuran	Ave	0.0822	0.0868		10.6	10.0	5.6	30.0
Chloroform	Ave	1.894	2.020		10.7	10.0	6.7	30.0
Cyclohexane	Ave	0.1738	0.1805		10.4	10.0	3.9	30.0
1,1,1-Trichloroethane	Ave	0.3811	0.3956		10.4	10.0	3.8	30.0
Carbon tetrachloride	Ave	0.4862	0.4958		10.2	10.0	2.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
2,2,4-Trimethylpentane	Ave	0.5863	0.6061		10.3	10.0	3.4	30.0
Benzene	Ave	0.4703	0.4857		10.3	10.0	3.3	30.0
1,2-Dichloroethane	Ave	0.2306	0.2378		10.3	10.0	3.1	30.0
n-Heptane	Ave	0.2077	0.2085		10.0	10.0	0.4	30.0
n-Butanol	Ave	0.0579	0.0534		9.23	10.0	-7.7	30.0
Trichloroethene	Ave	0.3037	0.3076		10.1	10.0	1.3	30.0
1,2-Dichloropropane	Ave	0.2138	0.2189		10.2	10.0	2.4	30.0
Methyl methacrylate	Ave	0.1959	0.2050		10.5	10.0	4.6	30.0
1,4-Dioxane	Ave	0.0860	0.0833		9.68	10.0	-3.2	30.0
Dibromomethane	Ave	0.3317	0.3499		10.5	10.0	5.5	30.0
Bromodichloromethane	Ave	0.4906	0.5338		10.9	10.0	8.8	30.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3608		10.6	10.0	5.8	30.0
Methyl isobutyl ketone	Ave	0.3255	0.3454		10.6	10.0	6.1	30.0
Toluene	Ave	0.5117	0.5167		10.1	10.0	1.0	30.0
n-Octane	Ave	0.3406	0.3440		10.1	10.0	1.0	30.0
trans-1,3-Dichloropropene	Ave	0.3336	0.3580		10.7	10.0	7.3	30.0
1,1,2-Trichloroethane	Ave	0.2629	0.2542		9.67	10.0	-3.3	30.0
Tetrachloroethene	Ave	0.5641	0.5404		9.58	10.0	-4.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2687	0.3131		11.7	10.0	16.5	30.0
Dibromochloromethane	Ave	0.6255	0.6872		11.0	10.0	9.9	30.0
1,2-Dibromoethane	Ave	0.4874	0.4991		10.2	10.0	2.4	30.0
Chlorobenzene	Ave	0.7096	0.7184		10.1	10.0	1.2	30.0
Ethylbenzene	Ave	1.056	1.082		10.2	10.0	2.5	30.0
n-Nonane	Ave	0.4097	0.4163		10.2	10.0	1.6	30.0
m-Xylene & p-Xylene	Ave	0.4329	0.4450		20.6	20.0	2.8	30.0
o-Xylene	Ave	0.4445	0.4480		10.1	10.0	0.8	30.0
Styrene	Ave	0.6022	0.6127		10.2	10.0	1.7	30.0
Bromoform	Ave	0.6385	0.7055		11.0	10.0	10.5	30.0
Cumene	Ave	1.228	1.264		10.3	10.0	3.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6386	0.6330		9.91	10.0	-0.9	30.0
n-Propylbenzene	Ave	1.321	1.403		10.6	10.0	6.2	30.0
1,2,3-Trichloropropane	Ave	0.4414	0.4588		10.4	10.0	3.9	30.0
n-Decane	Ave	0.4491	0.4681		10.4	10.0	4.2	30.0
4-Ethyltoluene	Ave	1.074	1.182		11.0	10.0	10.0	30.0
2-Chlorotoluene	Ave	0.8875	0.9519		10.7	10.0	7.3	30.0
1,3,5-Trimethylbenzene	Ave	1.032	1.039		10.1	10.0	0.7	30.0
Alpha Methyl Styrene	Ave	0.4338	0.3557		8.20	10.0	-18.0	30.0
tert-Butylbenzene	Ave	1.034	1.053		10.2	10.0	1.8	30.0
1,2,4-Trimethylbenzene	Ave	0.9904	0.9850		9.94	10.0	-0.5	30.0
sec-Butylbenzene	Ave	1.478	1.513		10.2	10.0	2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: ICV 200-55724/15 Calibration Date: 05/17/2013 21:21

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: gie015.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
4-Isopropyltoluene	Ave	1.244	1.287		10.3	10.0	3.4	30.0
1,3-Dichlorobenzene	Ave	0.6271	0.6516		10.4	10.0	3.9	30.0
1,4-Dichlorobenzene	Ave	0.5750	0.5992		10.4	10.0	4.2	30.0
Benzyl chloride	Ave	0.5551	0.6148		11.1	10.0	10.8	30.0
n-Butylbenzene	Ave	0.9217	0.9858		10.7	10.0	7.0	30.0
n-Undecane	Ave	0.4689	0.4881		10.4	10.0	4.1	30.0
1,2-Dichlorobenzene	Ave	0.6609	0.6429		9.73	10.0	-2.7	30.0
n-Dodecane	Ave	0.4400	0.4419		10.0	10.0	0.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3523	0.2954		8.38	10.0	-16.1	30.0
Hexachlorobutadiene	Ave	0.6696	0.5782		8.63	10.0	-13.7	30.0
Naphthalene	Ave	0.8807	0.7330		8.32	10.0	-16.8	30.0
1,2,3-Trichlorobenzene	Ave	0.4060	0.3667		9.03	10.0	-9.7	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie015.d
Lab Smp Id: icv 489438
Inj Date : 17-MAY-2013 21:21
Operator : pad Inst ID: G.i
Smp Info : icv 489438
Misc Info : 200,1, icv
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/to15v5.m
Meth Date : 20-May-2013 10:11 pd Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 3 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)

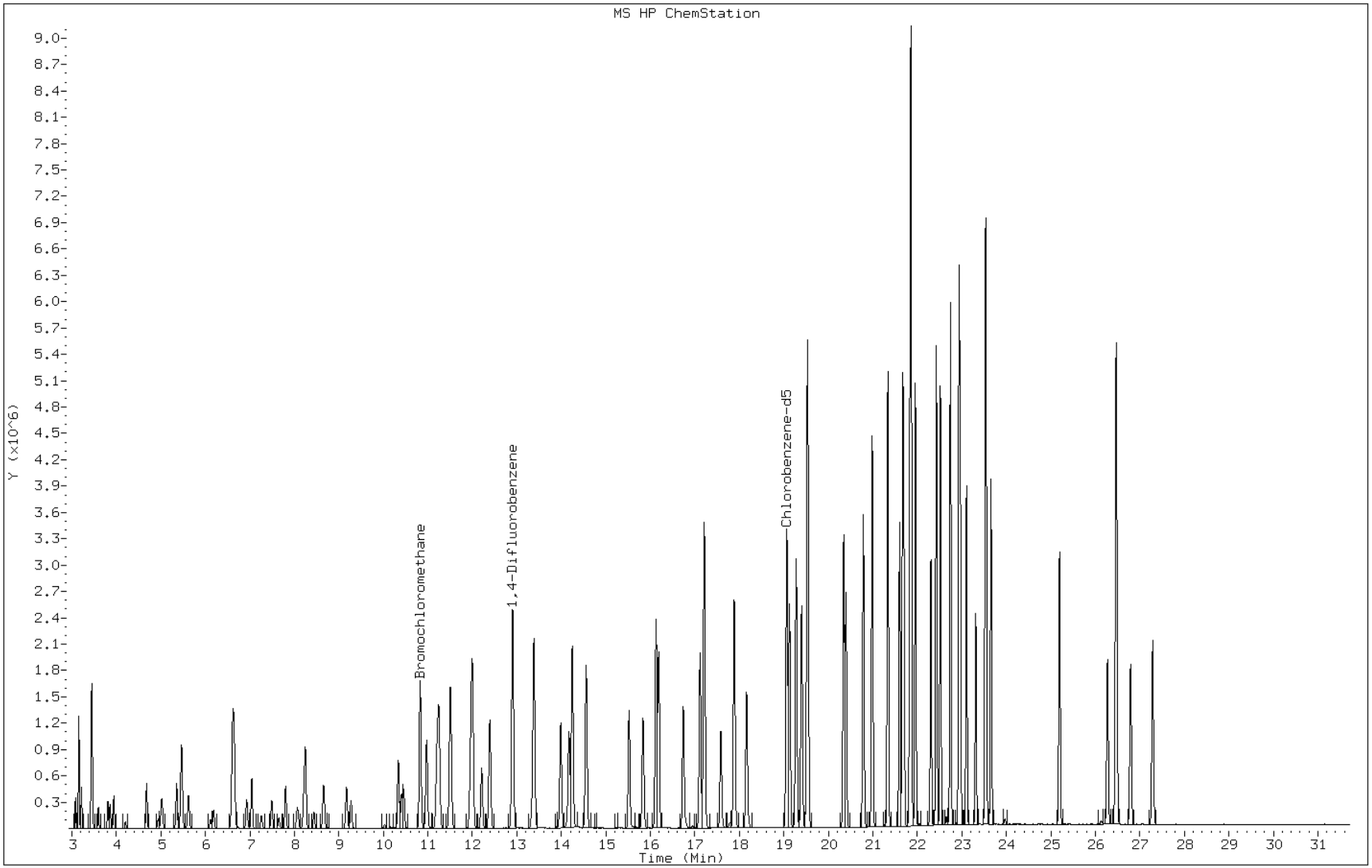
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	3.081	3.081	(0.285)	139780	9.86644	9.9
2 Dichlorodifluoromethane	85	3.156	3.156	(0.291)	1100675	10.6178	11
3 Chlorodifluoromethane	51	3.215	3.215	(0.297)	442614	10.4414	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.318)	1037673	10.5573	11
5 Chloromethane	50	3.595	3.595	(0.332)	217021	10.3888	10
6 Butane	43	3.814	3.814	(0.352)	293634	9.82558	9.8
7 Vinyl chloride	62	3.862	3.862	(0.357)	284337	10.3168	10
8 1,3-Butadiene	54	3.948	3.948	(0.365)	185733	10.5247	11
9 Bromomethane	94	4.681	4.681	(0.432)	371365	10.2795	10
10 Chloroethane	64	4.943	4.943	(0.456)	113624	10.4507	10
11 2-Methylbutane	43	5.018	5.018	(0.463)	205849	9.94285	9.9
12 Vinyl bromide	106	5.355	5.355	(0.495)	455532	10.6699	11
13 Trichlorofluoromethane	101	5.467	5.467	(0.505)	1346295	10.7258	11
14 Pentane	43	5.622	5.622	(0.519)	350835	9.81426	9.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	6.114	6.120	(0.565)	144219	18.5875	19
	16 Ethyl ether	59	6.189	6.184	(0.572)	173904	10.0711	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.617	6.617	(0.611)	906198	11.3209	11
	18 Acrolein	56	6.596	6.596	(0.609)	81080	9.54290	9.5
	19 1,1-Dichloroethene	96	6.655	6.655	(0.615)	386919	11.4957	11
	20 Acetone	43	6.928	6.928	(0.640)	540979	12.8988	13
	21 Carbon disulfide	76	7.045	7.040	(0.651)	1039026	10.6065	11
	22 Isopropanol	45	7.259	7.254	(0.670)	260151	9.86465	9.9
	23 Allyl chloride	41	7.489	7.495	(0.692)	258877	10.3444	10
	24 Acetonitrile	41	7.655	7.655	(0.707)	150127	10.0221	10
	25 Methylene chloride	49	7.800	7.800	(0.720)	321352	11.1994	11
	26 Tert-butyl alcohol	59	8.062	8.062	(0.745)	475783	9.87834	9.9
	27 Methyl tert-butyl ether	73	8.228	8.228	(0.760)	928542	10.6957	11
	28 1,2-Dichloroethene (trans)	61	8.254	8.249	(0.762)	455090	10.4499	10
	29 Acrylonitrile	53	8.436	8.442	(0.779)	181635	10.6021	11
	30 n-Hexane	57	8.656	8.656	(0.799)	386564	10.2765	10
	31 1,1-Dichloroethane	63	9.174	9.174	(0.847)	653963	10.0652	10
	32 Vinyl acetate	43	9.276	9.271	(0.857)	655718	10.2853	10
M	33 1,2-Dichloroethene,Total	61				1016257	21.2717	21
	34 1,2-Dichloroethene (cis)	96	10.341	10.341	(0.955)	561167	10.8217	11
	35 Ethyl acetate	88	10.453	10.464	(0.965)	33410	11.0343	11
	36 Methyl Ethyl Ketone	72	10.410	10.416	(0.961)	200677	9.26214	9.3
*	37 Bromochloromethane	128	10.828	10.828	(1.000)	638955	10.0000	
	38 Tetrahydrofuran	42	10.828	10.833	(0.839)	330953	10.5568	11
	39 Chloroform	83	10.972	10.972	(1.013)	1290546	10.6661	11
	40 Cyclohexane	84	11.207	11.207	(0.868)	688352	10.3851	10
	41 1,1,1-Trichloroethane	97	11.250	11.250	(0.872)	1508726	10.3779	10
	42 Carbon tetrachloride	117	11.507	11.507	(0.891)	1890920	10.1966	10
	43 2,2,4-Trimethylpentane	57	11.972	11.978	(0.927)	2311506	10.3360	10
	44 Benzene	78	12.004	12.004	(0.930)	1852035	10.3250	10
	45 1,2-Dichloroethane	62	12.208	12.208	(0.946)	907006	10.3109	10
	46 n-Heptane	43	12.390	12.390	(0.960)	795067	10.0361	10
*	47 1,4-Difluorobenzene	114	12.909	12.909	(1.000)	3814293	10.0000	
	48 n-Butanol	56	13.342	13.342	(1.034)	203701	9.22960	9.2
	49 Trichloroethene	95	13.385	13.385	(1.037)	1173021	10.1279	10
	50 1,2-Dichloropropane	63	13.989	13.989	(1.084)	834747	10.2346	10
	51 Methyl methacrylate	69	14.171	14.171	(1.098)	781571	10.4573	10
	52 Dibromomethane	174	14.246	14.251	(1.104)	1334471	10.5462	11
	53 1,4-Dioxane	88	14.219	14.225	(1.102)	317641	9.68297	9.7
	54 Bromodichloromethane	83	14.556	14.556	(1.128)	2035688	10.8786	11
	55 1,3-Dichloropropene (cis)	75	15.525	15.525	(1.203)	1375896	10.5769	11
	56 Methyl isobutyl ketone	43	15.835	15.835	(1.227)	1317364	10.6118	11
	57 n-Octane	43	16.183	16.183	(1.254)	1311875	10.0965	10
	58 Toluene	92	16.124	16.124	(0.846)	1860396	10.0956	10
	59 1,3-Dichloropropene (trans)	75	16.739	16.739	(1.297)	1365214	10.7295	11
	60 1,1,2-Trichloroethane	83	17.119	17.119	(0.898)	915237	9.66938	9.7
	61 Tetrachloroethene	166	17.215	17.215	(0.903)	1945714	9.57910	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.579	17.584	(0.922)	1127091	11.6503	12
	63 Dibromochloromethane	129	17.884	17.889	(0.938)	2474204	10.9841	11
	64 1,2-Dibromoethane	107	18.162	18.162	(0.953)	1796785	10.2374	10
*	65 Chlorobenzene-d5	117	19.061	19.066	(1.000)	3601006	10.0000	
	66 Chlorobenzene	112	19.125	19.125	(1.003)	2586617	10.1225	10
	67 n-Nonane	57	19.398	19.403	(1.018)	1498729	10.1576	10
	68 Ethylbenzene	91	19.280	19.280	(1.012)	3897103	10.2497	10
	69 Xylene (m,p)	106	19.531	19.532	(1.025)	3204356	20.5566	21
M	70 Xylenes, Total	106				4817425	30.6336	31
	71 Xylene (o)	106	20.345	20.345	(1.067)	1613069	10.0770	10
	72 Styrene	104	20.398	20.393	(1.070)	2205915	10.1723	10
	73 Bromoform	173	20.789	20.789	(1.091)	2540065	11.0472	11
	74 Isopropylbenzene	105	20.987	20.987	(1.101)	4552568	10.2948	10
	75 1,1,2,2-Tetrachloroethane	83	21.602	21.602	(1.133)	2278927	9.91080	9.9
	76 n-Propylbenzene	91	21.671	21.671	(1.137)	5052302	10.6203	11
	77 1,2,3-Trichloropropane	75	21.698	21.698	(1.138)	1651925	10.3920	10
	78 n-Decane	57	21.832	21.832	(1.145)	1685280	10.4214	10
	79 4-Ethyltoluene	105	21.853	21.853	(1.147)	4254241	10.9969	11
	80 2-Chlorotoluene	91	21.859	21.864	(1.147)	3427188	10.7241	11
	81 1,3,5-Trimethylbenzene	105	21.955	21.955	(1.152)	3741535	10.0697	10
	82 Alpha Methyl Styrene	118	22.308	22.308	(1.170)	1280616	8.19829	8.2
	83 tert-butylbenzene	119	22.426	22.431	(1.177)	3790241	10.1750	10
	84 1,2,4-Trimethylbenzene	105	22.517	22.517	(1.181)	3546350	9.94387	9.9
	85 sec-Butylbenzene	105	22.741	22.741	(1.193)	5447821	10.2351	10
	86 4-Isopropyltoluene	119	22.939	22.939	(1.203)	4633047	10.3429	10
	87 1,3-Dichlorobenzene	146	22.966	22.971	(1.205)	2345884	10.3886	10
	88 1,4-Dichlorobenzene	146	23.105	23.105	(1.212)	2157401	10.4201	10
	89 Benzyl chloride	91	23.314	23.314	(1.223)	2213574	11.0747	11
	90 Undecane	57	23.544	23.544	(1.235)	1757472	10.4092	10
	91 n-Butylbenzene	91	23.528	23.528	(1.234)	3549189	10.6937	11
	92 1,2-Dichlorobenzene	146	23.656	23.656	(1.241)	2314749	9.72581	9.7
	93 Dodecane	57	25.197	25.197	(1.322)	1591101	10.0429	10
	94 1,2,4-Trichlorobenzene	180	26.272	26.272	(1.378)	1063548	8.38397	8.4
	95 1,3-Hexachlorobutadiene	225	26.465	26.470	(1.388)	2081506	8.63254	8.6
	96 Naphthalene	128	26.791	26.796	(1.406)	2639045	8.32148	8.3
	97 1,2,3-Trichlorobenzene	180	27.289	27.289	(1.432)	1320138	9.02950	9.0

Data File:	gie015.d	Date:	17-MAY-2013 21:21
Client ID:		Instrument:	G.i
Operator:	pad	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icv 489438		
Lab Sample ID:	icv 489438		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
Propylene	Ave	0.2217	0.1921		8.66	10.0	-13.4	30.0
Dichlorodifluoromethane	Ave	1.622	1.665		10.3	10.0	2.6	30.0
Freon 22	Ave	0.6634	0.6269		9.45	10.0	-5.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	1.538	1.548		10.1	10.0	0.6	30.0
Chloromethane	Ave	0.3269	0.2968		9.08	10.0	-9.2	30.0
n-Butane	Ave	0.4677	0.4042		8.64	10.0	-13.6	30.0
Vinyl chloride	Ave	0.4313	0.3841		8.90	10.0	-11.0	30.0
1,3-Butadiene	Ave	0.2762	0.2424		8.77	10.0	-12.2	30.0
Bromomethane	Ave	0.5654	0.5500		9.73	10.0	-2.7	30.0
Chloroethane	Ave	0.1702	0.1531		9.00	10.0	-10.0	30.0
Isopentane	Ave	0.3240	0.2732		8.43	10.0	-15.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.6682	0.6483		9.70	10.0	-3.0	30.0
Trichlorofluoromethane	Ave	1.964	2.003		10.2	10.0	2.0	30.0
n-Pentane	Ave	0.5595	0.4804		8.59	10.0	-14.1	30.0
Ethanol	Ave	0.1214	0.1191		14.7	15.0	-1.9	30.0
Ethyl ether	Ave	0.2702	0.2398		8.87	10.0	-11.3	30.0
Acrolein	Ave	0.1330	0.1246		9.37	10.0	-6.3	30.0
Freon TF	Ave	1.253	1.221		9.74	10.0	-2.6	30.0
1,1-Dichloroethene	Ave	0.5268	0.4972		9.44	10.0	-5.6	30.0
Acetone	Ave	0.6564	0.6308		9.61	10.0	-3.9	30.0
Carbon disulfide	Ave	1.533	1.432		9.34	10.0	-6.6	30.0
Isopropyl alcohol	Ave	0.4127	0.3483		8.44	10.0	-15.6	30.0
3-Chloropropene	Ave	0.3917	0.3345		8.54	10.0	-14.6	30.0
Acetonitrile	Ave	0.2344	0.2010		8.57	10.0	-14.3	30.0
Methylene Chloride	Ave	0.4491	0.4053		9.02	10.0	-9.7	30.0
tert-Butyl alcohol	Ave	0.7538	0.6465		8.57	10.0	-14.2	30.0
Methyl tert-butyl ether	Ave	1.359	1.251		9.20	10.0	-8.0	30.0
trans-1,2-Dichloroethene	Ave	0.6816	0.6200		9.09	10.0	-9.0	30.0
Acrylonitrile	Ave	0.2681	0.2303		8.59	10.0	-14.1	30.0
n-Hexane	Ave	0.5887	0.5099		8.66	10.0	-13.4	30.0
1,1-Dichloroethane	Ave	1.017	0.8630		8.49	10.0	-15.1	30.0
Vinyl acetate	Ave	0.998	0.8659		8.68	10.0	-13.2	30.0
cis-1,2-Dichloroethene	Ave	0.8116	0.7612		9.38	10.0	-6.2	30.0
Methyl Ethyl Ketone	Ave	0.3391	0.2556		7.54	10.0	-24.6	30.0
Ethyl acetate	Ave	0.0474	0.0451		9.52	10.0	-4.7	30.0
Tetrahydrofuran	Ave	0.0822	0.0721		8.77	10.0	-12.2	30.0
Chloroform	Ave	1.894	1.834		9.68	10.0	-3.1	30.0
Cyclohexane	Ave	0.1738	0.1524		8.77	10.0	-12.3	30.0
1,1,1-Trichloroethane	Ave	0.3811	0.3689		9.68	10.0	-3.2	30.0
Carbon tetrachloride	Ave	0.4862	0.4635		9.53	10.0	-4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
2,2,4-Trimethylpentane	Ave	0.5863	0.5096		8.69	10.0	-13.1	30.0
Benzene	Ave	0.4703	0.4217		8.97	10.0	-10.3	30.0
1,2-Dichloroethane	Ave	0.2306	0.2146		9.30	10.0	-6.9	30.0
n-Heptane	Ave	0.2077	0.1813		8.73	10.0	-12.7	30.0
n-Butanol	Ave	0.0579	0.0678		11.7	10.0	17.2	30.0
Trichloroethene	Ave	0.3037	0.2930		9.65	10.0	-3.5	30.0
1,2-Dichloropropane	Ave	0.2138	0.2080		9.73	10.0	-2.7	30.0
Methyl methacrylate	Ave	0.1959	0.1888		9.63	10.0	-3.7	30.0
1,4-Dioxane	Ave	0.0860	0.0839		9.76	10.0	-2.4	30.0
Dibromomethane	Ave	0.3317	0.3287		9.91	10.0	-0.9	30.0
Bromodichloromethane	Ave	0.4906	0.5016		10.2	10.0	2.2	30.0
cis-1,3-Dichloropropene	Ave	0.3410	0.3416		10.0	10.0	0.2	30.0
Methyl isobutyl ketone	Ave	0.3255	0.3187		9.79	10.0	-2.1	30.0
Toluene	Ave	0.5117	0.4659		9.10	10.0	-9.0	30.0
n-Octane	Ave	0.3406	0.3327		9.76	10.0	-2.3	30.0
trans-1,3-Dichloropropene	Ave	0.3336	0.3486		10.4	10.0	4.5	30.0
1,1,2-Trichloroethane	Ave	0.2629	0.2505		9.53	10.0	-4.7	30.0
Tetrachloroethene	Ave	0.5641	0.4894		8.67	10.0	-13.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2687	0.2906		10.8	10.0	8.2	30.0
Dibromochloromethane	Ave	0.6255	0.6089		9.73	10.0	-2.7	30.0
1,2-Dibromoethane	Ave	0.4874	0.4846		9.94	10.0	-0.6	30.0
Chlorobenzene	Ave	0.7096	0.6625		9.33	10.0	-6.6	30.0
Ethylbenzene	Ave	1.056	1.005		9.52	10.0	-4.8	30.0
n-Nonane	Ave	0.4097	0.3826		9.34	10.0	-6.6	30.0
m-Xylene & p-Xylene	Ave	0.4329	0.4026		18.6	20.0	-7.0	30.0
o-Xylene	Ave	0.4445	0.4100		9.22	10.0	-7.8	30.0
Styrene	Ave	0.6022	0.5963		9.90	10.0	-1.0	30.0
Bromoform	Ave	0.6385	0.6587		10.3	10.0	3.2	30.0
Cumene	Ave	1.228	1.149		9.36	10.0	-6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6386	0.6372		9.98	10.0	-0.2	30.0
n-Propylbenzene	Ave	1.321	1.316		9.96	10.0	-0.4	30.0
1,2,3-Trichloropropane	Ave	0.4414	0.4295		9.73	10.0	-2.7	30.0
n-Decane	Ave	0.4491	0.4327		9.63	10.0	-3.6	30.0
4-Ethyltoluene	Ave	1.074	1.081		10.1	10.0	0.6	30.0
2-Chlorotoluene	Ave	0.8875	0.8867		9.99	10.0	-0.0	30.0
1,3,5-Trimethylbenzene	Ave	1.032	0.9725		9.42	10.0	-5.8	30.0
Alpha Methyl Styrene	Ave	0.4338	0.4880		11.2	10.0	12.5	30.0
tert-Butylbenzene	Ave	1.034	0.9511		9.19	10.0	-8.1	30.0
1,2,4-Trimethylbenzene	Ave	0.9904	0.9560		9.65	10.0	-3.5	30.0
sec-Butylbenzene	Ave	1.478	1.399		9.46	10.0	-5.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Lab Sample ID: CCVIS 200-56885/3 Calibration Date: 06/10/2013 10:57

Instrument ID: G.i Calib Start Date: 05/17/2013 11:22

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/17/2013 17:12

Lab File ID: giem003.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
4-Isopropyltoluene	Ave	1.244	1.191		9.57	10.0	-4.2	30.0
1,3-Dichlorobenzene	Ave	0.6271	0.6403		10.2	10.0	2.1	30.0
1,4-Dichlorobenzene	Ave	0.5750	0.5956		10.4	10.0	3.6	30.0
Benzyl chloride	Ave	0.5551	0.6500		11.7	10.0	17.1	30.0
n-Butylbenzene	Ave	0.9217	0.9639		10.5	10.0	4.6	30.0
n-Undecane	Ave	0.4689	0.4809		10.3	10.0	2.6	30.0
1,2-Dichlorobenzene	Ave	0.6609	0.6478		9.80	10.0	-2.0	30.0
n-Dodecane	Ave	0.4400	0.4687		10.7	10.0	6.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3523	0.3262		9.26	10.0	-7.4	30.0
Hexachlorobutadiene	Ave	0.6696	0.6253		9.34	10.0	-6.6	30.0
Naphthalene	Ave	0.8807	0.7542		8.56	10.0	-14.4	30.0
1,2,3-Trichlorobenzene	Ave	0.4060	0.3777		9.30	10.0	-7.0	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem003.d
Lab Smp Id: ccvis 504997
Inj Date : 10-JUN-2013 10:57
Operator : WRD Inst ID: G.i
Smp Info : ccvis 504997
Misc Info : 200,1, ccvis
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

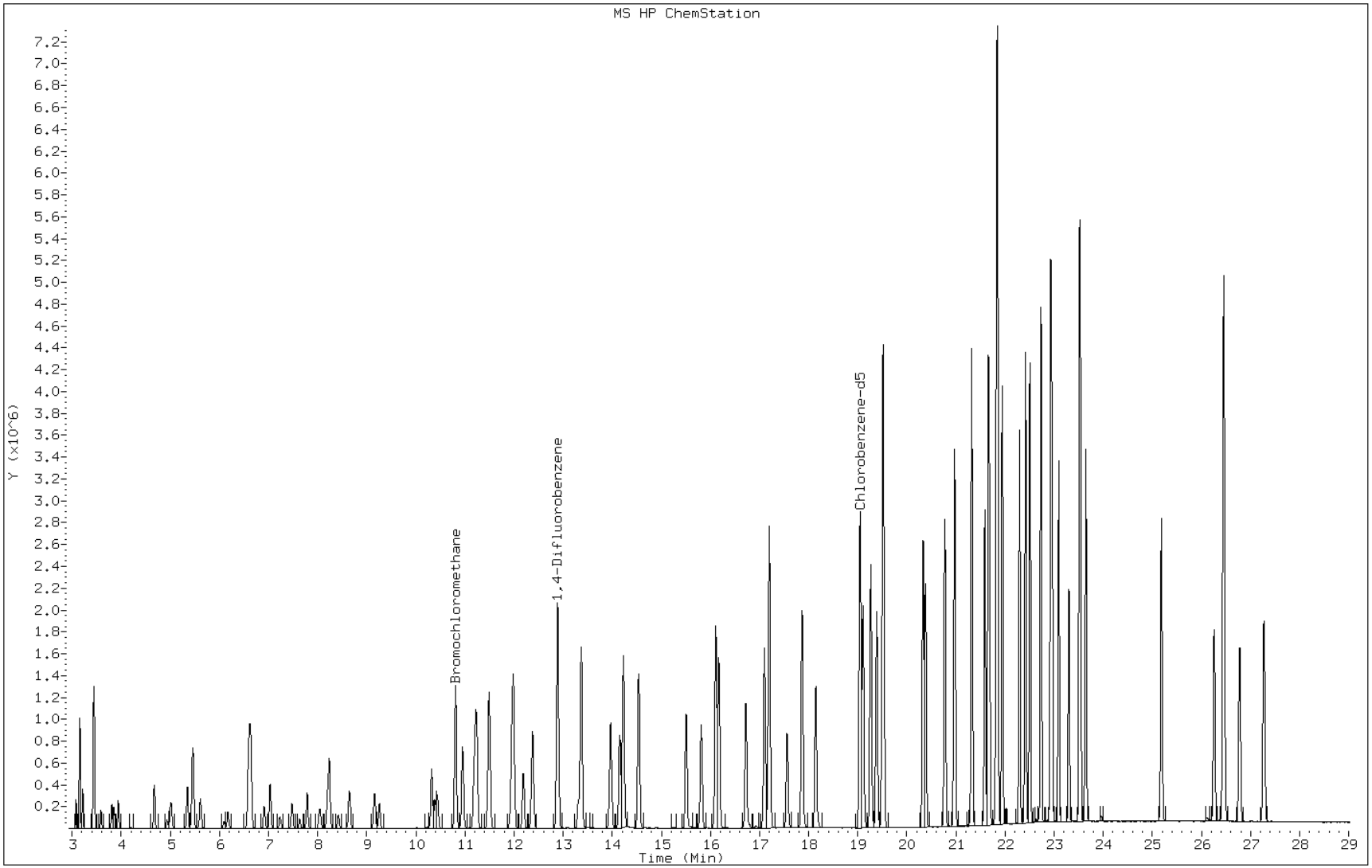
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1	Propene	41	3.081	3.081	(0.285)	99433	10.0000	8.7
2	Dichlorodifluoromethane	85	3.156	3.156	(0.292)	861814	10.0000	10
3	Chlorodifluoromethane	51	3.215	3.215	(0.297)	324524	10.0000	9.4
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.445	3.445	(0.319)	801362	10.0000	10
5	Chloromethane	50	3.589	3.595	(0.332)	153629	10.0000	9.1
6	Butane	43	3.809	3.814	(0.352)	209255	10.0000	8.6
7	Vinyl chloride	62	3.857	3.862	(0.357)	198826	10.0000	8.9
8	1,3-Butadiene	54	3.942	3.948	(0.365)	125471	10.0000	8.8
9	Bromomethane	94	4.670	4.681	(0.432)	284697	10.0000	9.7
10	Chloroethane	64	4.932	4.943	(0.456)	79263	10.0000	9.0
11	2-Methylbutane	43	5.012	5.018	(0.464)	141436	10.0000	8.4
12	Vinyl bromide	106	5.349	5.355	(0.495)	335602	10.0000	9.7
13	Trichlorofluoromethane	101	5.456	5.467	(0.505)	1036899	10.0000	10
14	Pentane	43	5.612	5.622	(0.519)	248703	10.0000	8.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
	15 Ethanol	45	6.093	6.120	(0.564)	92530	15.0000	15
	16 Ethyl ether	59	6.173	6.184	(0.571)	124154	10.0000	8.9
	17 1,1,2-Trichloro-1,2,2-trifluo	101	6.607	6.617	(0.611)	631904	10.0000	9.7
	18 Acrolein	56	6.580	6.596	(0.609)	64480	10.0000	9.4
	19 1,1-Dichloroethene	96	6.644	6.655	(0.615)	257358	10.0000	9.4
	20 Acetone	43	6.912	6.928	(0.639)	326535	10.0000	9.6
	21 Carbon disulfide	76	7.035	7.040	(0.651)	741410	10.0000	9.3
	22 Isopropanol	45	7.238	7.254	(0.669)	180319	10.0000	8.4
	23 Allyl chloride	41	7.479	7.495	(0.692)	173158	10.0000	8.5
	24 Acetonitrile	41	7.634	7.655	(0.706)	104052	10.0000	8.6
	25 Methylene chloride	49	7.789	7.800	(0.720)	209832	10.0000	9.0
	26 Tert-butyl alcohol	59	8.040	8.062	(0.744)	334647	10.0000	8.6
	27 Methyl tert-butyl ether	73	8.211	8.228	(0.760)	647369	10.0000	9.2
	28 1,2-Dichloroethene (trans)	61	8.244	8.249	(0.762)	320928	10.0000	9.1
	29 Acrylonitrile	53	8.420	8.442	(0.779)	119225	10.0000	8.6
	30 n-Hexane	57	8.650	8.656	(0.800)	263945	10.0000	8.7
	31 1,1-Dichloroethane	63	9.158	9.174	(0.847)	446765	10.0000	8.5
	32 Vinyl acetate	43	9.260	9.271	(0.856)	448269	10.0000	8.7
M	33 1,2-Dichloroethene,Total	61				714984	20.0000	18
	34 1,2-Dichloroethene (cis)	96	10.325	10.341	(0.955)	394056	10.0000	9.4
	35 Ethyl acetate	88	10.442	10.464	(0.966)	23367	10.0000	9.5
	36 Methyl Ethyl Ketone	72	10.389	10.416	(0.961)	132302	10.0000	7.5
*	37 Bromochloromethane	128	10.811	10.828	(1.000)	517766	10.0000	
	38 Tetrahydrofuran	42	10.806	10.833	(0.839)	225045	10.0000	8.8
	39 Chloroform	83	10.951	10.972	(1.013)	949459	10.0000	9.7
	40 Cyclohexane	84	11.197	11.207	(0.869)	475409	10.0000	8.8
	41 1,1,1-Trichloroethane	97	11.234	11.250	(0.872)	1151046	10.0000	9.7
	42 Carbon tetrachloride	117	11.491	11.507	(0.892)	1446062	10.0000	9.5
	43 2,2,4-Trimethylpentane	57	11.962	11.978	(0.928)	1589769	10.0000	8.7
	44 Benzene	78	11.988	12.004	(0.930)	1315678	10.0000	9.0
	45 1,2-Dichloroethane	62	12.186	12.208	(0.946)	669545	10.0000	9.3
	46 n-Heptane	43	12.374	12.390	(0.960)	565723	10.0000	8.7
*	47 1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3120448	10.0000	
	48 n-Butanol	56	13.304	13.342	(1.032)	211591	10.0000	12
	49 Trichloroethene	95	13.369	13.385	(1.037)	914061	10.0000	9.6
	50 1,2-Dichloropropane	63	13.968	13.989	(1.084)	648990	10.0000	9.7
	51 Methyl methacrylate	69	14.155	14.171	(1.098)	588997	10.0000	9.6
	52 Dibromomethane	174	14.230	14.251	(1.104)	1025398	10.0000	9.9
	53 1,4-Dioxane	88	14.192	14.225	(1.101)	261815	10.0000	9.8
	54 Bromodichloromethane	83	14.540	14.556	(1.128)	1564954	10.0000	10
	55 1,3-Dichloropropene (cis)	75	15.508	15.525	(1.203)	1065680	10.0000	10
	56 Methyl isobutyl ketone	43	15.808	15.835	(1.227)	994376	10.0000	9.8
	57 n-Octane	43	16.172	16.183	(1.255)	1037836	10.0000	9.8
	58 Toluene	92	16.108	16.124	(0.846)	1419769	10.0000	9.1
	59 1,3-Dichloropropene (trans)	75	16.718	16.739	(1.297)	1087481	10.0000	10
	60 1,1,2-Trichloroethane	83	17.097	17.119	(0.897)	763226	10.0000	9.5
	61 Tetrachloroethene	166	17.199	17.215	(0.903)	1491275	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)
62	2-Hexanone	43	17.557	17.584	(0.922)	885599	10.0000	11
63	Dibromochloromethane	129	17.868	17.889	(0.938)	1855561	10.0000	9.7
64	1,2-Dibromoethane	107	18.146	18.162	(0.953)	1476712	10.0000	9.9
* 65	Chlorobenzene-d5	117	19.050	19.066	(1.000)	3047920	10.0000	
66	Chlorobenzene	112	19.109	19.125	(1.003)	2018905	10.0000	9.3
67	n-Nonane	57	19.387	19.403	(1.018)	1165864	10.0000	9.3
68	Ethylbenzene	91	19.264	19.280	(1.011)	3062504	10.0000	9.5
69	Xylene (m,p)	106	19.515	19.532	(1.024)	2453382	20.0000	19
M 70	Xylenes, Total	106				3702889	10.0000	28
71	Xylene (o)	106	20.329	20.345	(1.067)	1249507	10.0000	9.2
72	Styrene	104	20.382	20.393	(1.070)	1817081	10.0000	9.9
73	Bromoform	173	20.773	20.789	(1.090)	2007270	10.0000	10
74	Isopropylbenzene	105	20.971	20.987	(1.101)	3502859	10.0000	9.4
75	1,1,2,2-Tetrachloroethane	83	21.586	21.602	(1.133)	1941769	10.0000	10
76	n-Propylbenzene	91	21.661	21.671	(1.137)	4010041	10.0000	10
77	1,2,3-Trichloropropane	75	21.682	21.698	(1.138)	1308939	10.0000	9.7
78	n-Decane	57	21.821	21.832	(1.145)	1318629	10.0000	9.6
79	4-Ethyltoluene	105	21.843	21.853	(1.147)	3293220	10.0000	10
80	2-Chlorotoluene	91	21.848	21.864	(1.147)	2702009	10.0000	10
81	1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	2963533	10.0000	9.4
82	Alpha Methyl Styrene	118	22.297	22.308	(1.170)	1486989	10.0000	11
83	tert-butylbenzene	119	22.415	22.431	(1.177)	2898387	10.0000	9.2
84	1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	2913097	10.0000	9.7
85	sec-Butylbenzene	105	22.731	22.741	(1.193)	4262132	10.0000	9.5
86	4-Isopropyltoluene	119	22.929	22.939	(1.204)	3629995	10.0000	9.6
87	1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	1951306	10.0000	10
88	1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	1815124	10.0000	10
89	Benzyl chloride	91	23.303	23.314	(1.223)	1980655	10.0000	12
90	Undecane	57	23.533	23.544	(1.235)	1465526	10.0000	10
91	n-Butylbenzene	91	23.517	23.528	(1.234)	2937399	10.0000	10
92	1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	1973993	10.0000	9.8
93	Dodecane	57	25.186	25.197	(1.322)	1428227	10.0000	11
94	1,2,4-Trichlorobenzene	180	26.256	26.272	(1.378)	993900	10.0000	9.3
95	1,3-Hexachlorobutadiene	225	26.454	26.470	(1.389)	1905524	10.0000	9.3
96	Naphthalene	128	26.780	26.796	(1.406)	2298421	10.0000	8.6
97	1,2,3-Trichlorobenzene	180	27.273	27.289	(1.432)	1150908	10.0000	9.3

Data File: giem003.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 504997
Lab Sample ID: ccvis 504997

Date: 10-JUN-2013 10:57
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



TestAmerica Burlington

Data file : /chem/G.i/Gsvr.p/gieto15.b/gie001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 17-MAY-2013 09:46
Operator : pad Inst ID: G.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/G.i/Gsvr.p/gieto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 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

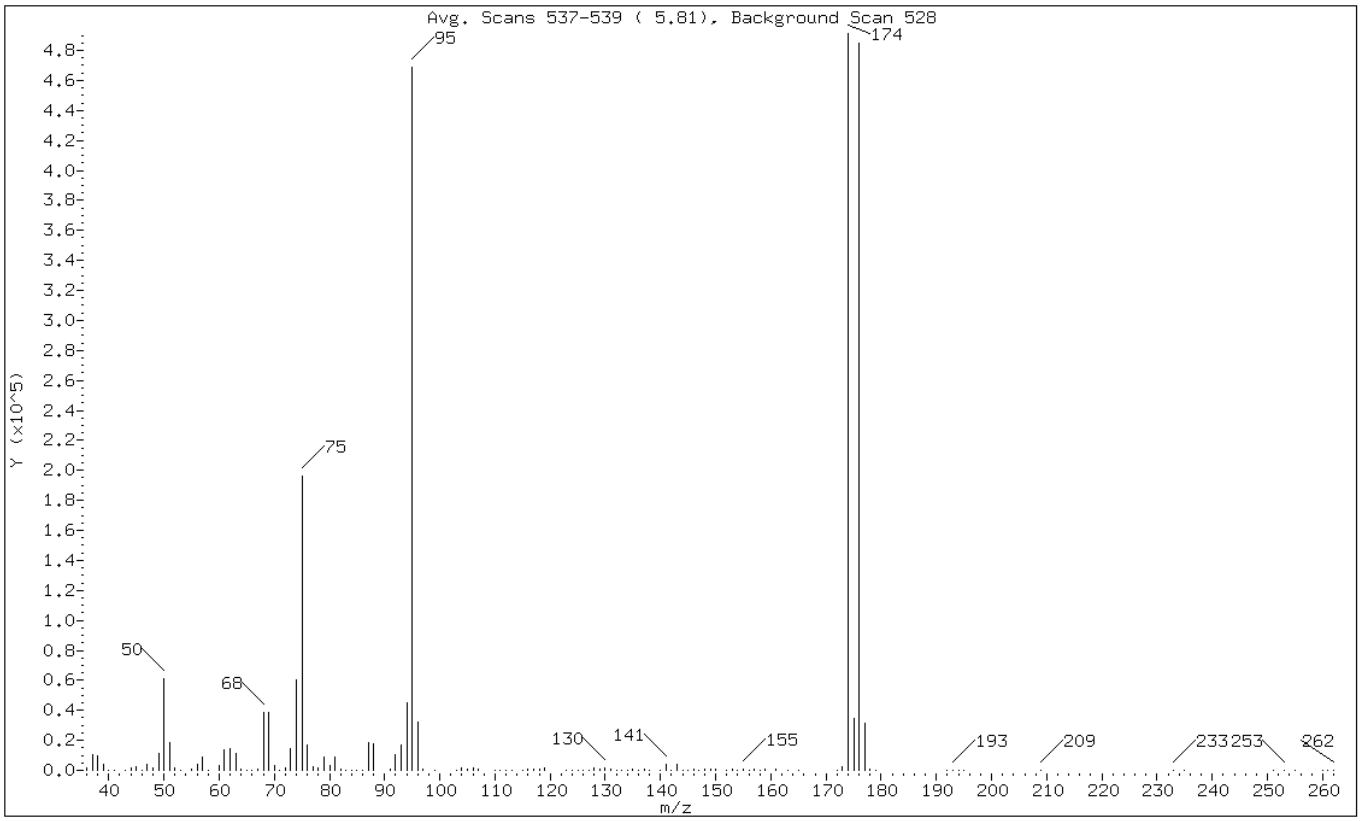
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.809	5.900	-0.091	95	469141			100.00- 100.00	95.50
5.809	5.900	-0.091	50	61164			8.00- 40.00	13.04
5.809	5.900	-0.091	75	196392			30.00- 66.00	41.86
5.809	5.900	-0.091	96	31956			5.00- 9.00	6.81
5.809	5.900	-0.091	173	2167			0.00- 2.00	0.44
5.809	5.900	-0.091	174	491264			50.00- 120.00	104.72
5.809	5.900	-0.091	175	34517			4.00- 9.00	7.03
5.809	5.900	-0.091	176	484949			93.00- 101.00	98.71
5.809	5.900	-0.091	177	31482			5.00- 9.00	6.49

Data File: gie001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 17-MAY-2013 09:46
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	13.04
75	30.00 - 66.00% of mass 95	41.86
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.46 (0.44)
174	50.00 - 120.00% of mass 95	104.72
175	4.00 - 9.00% of mass 174	7.36 (7.03)
176	93.00 - 101.00% of mass 174	103.37 (98.71)
177	5.00 - 9.00% of mass 176	6.71 (6.49)

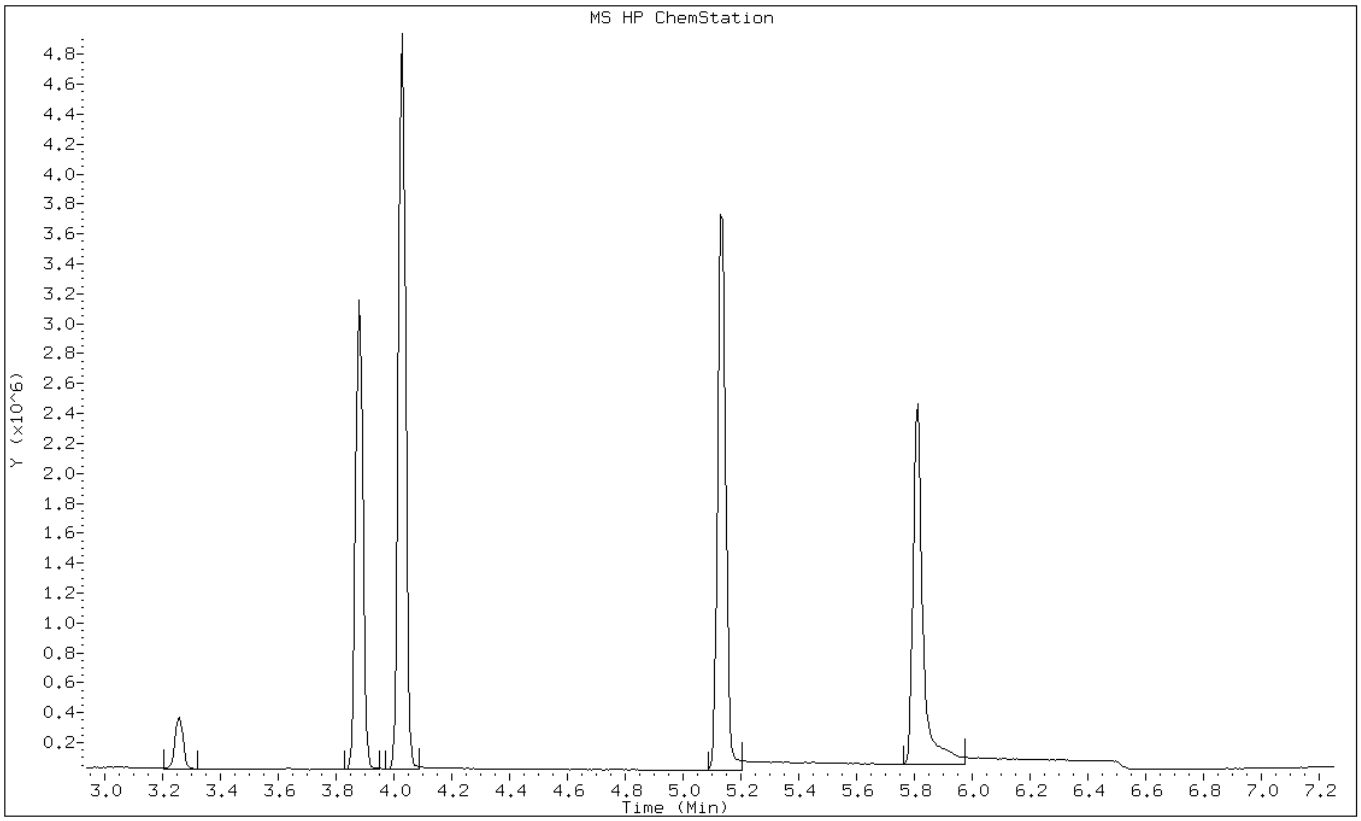
Data File: gie001.d
Client ID: BFB
Operator: pad
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 17-MAY-2013 09:46
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/gieto15.b/gie001.d
Spectrum: Avg. Scans 537-539 (5.81), Background Scan 528
Location of Maximum: 174.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1980	72.00	1628	113.00	352	152.00	211
37.00	10322	73.00	14522	115.00	316	153.00	411
38.00	9940	74.00	60216	116.00	910	154.00	350
39.00	4252	75.00	196352	117.00	1195	155.00	1203
40.00	199	76.00	17208	118.00	1149	156.00	343
41.00	96	77.00	2302	119.00	1630	157.00	896
43.00	199	78.00	1428	123.00	68	158.00	126
44.00	1226	79.00	8504	124.00	250	159.00	610
45.00	2575	80.00	3489	125.00	254	161.00	592
46.00	54	81.00	9175	126.00	96	163.00	163
47.00	3923	82.00	627	127.00	3	165.00	114
48.00	1413	83.00	70	128.00	1520	172.00	256
49.00	11020	84.00	57	129.00	876	173.00	2167
50.00	61160	85.00	127	130.00	1768	174.00	491264
51.00	18848	86.00	337	131.00	767	175.00	34512
52.00	1306	87.00	18136	132.00	57	176.00	484928
53.00	260	88.00	17512	133.00	5	177.00	31480
55.00	768	91.00	919	134.00	75	178.00	1101
56.00	3944	92.00	10804	135.00	623	179.00	192
57.00	8778	93.00	16600	136.00	57	192.00	71
58.00	305	94.00	45280	137.00	714	193.00	76
60.00	2872	95.00	469120	138.00	63	194.00	64
61.00	14022	96.00	31952	140.00	263	195.00	27
62.00	14545	97.00	986	141.00	4250	209.00	85
63.00	11496	99.00	60	142.00	348	233.00	81
64.00	969	103.00	138	143.00	4173	235.00	56
65.00	179	104.00	1625	144.00	344	251.00	56
66.00	196	105.00	593	145.00	375	253.00	338
67.00	1031	106.00	1607	146.00	794	255.00	219
68.00	38216	107.00	403	147.00	302	260.00	58
69.00	38200	110.00	299	148.00	1128	261.00	124
70.00	2832	111.00	311	149.00	455	262.00	59
71.00	130	112.00	274	150.00	641		

Data File:	gie001.d	Date:	17-MAY-2013 09:46
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/giemto15.b/giem001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-JUN-2013 09:23
Operator : WRD Inst ID: G.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:23 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

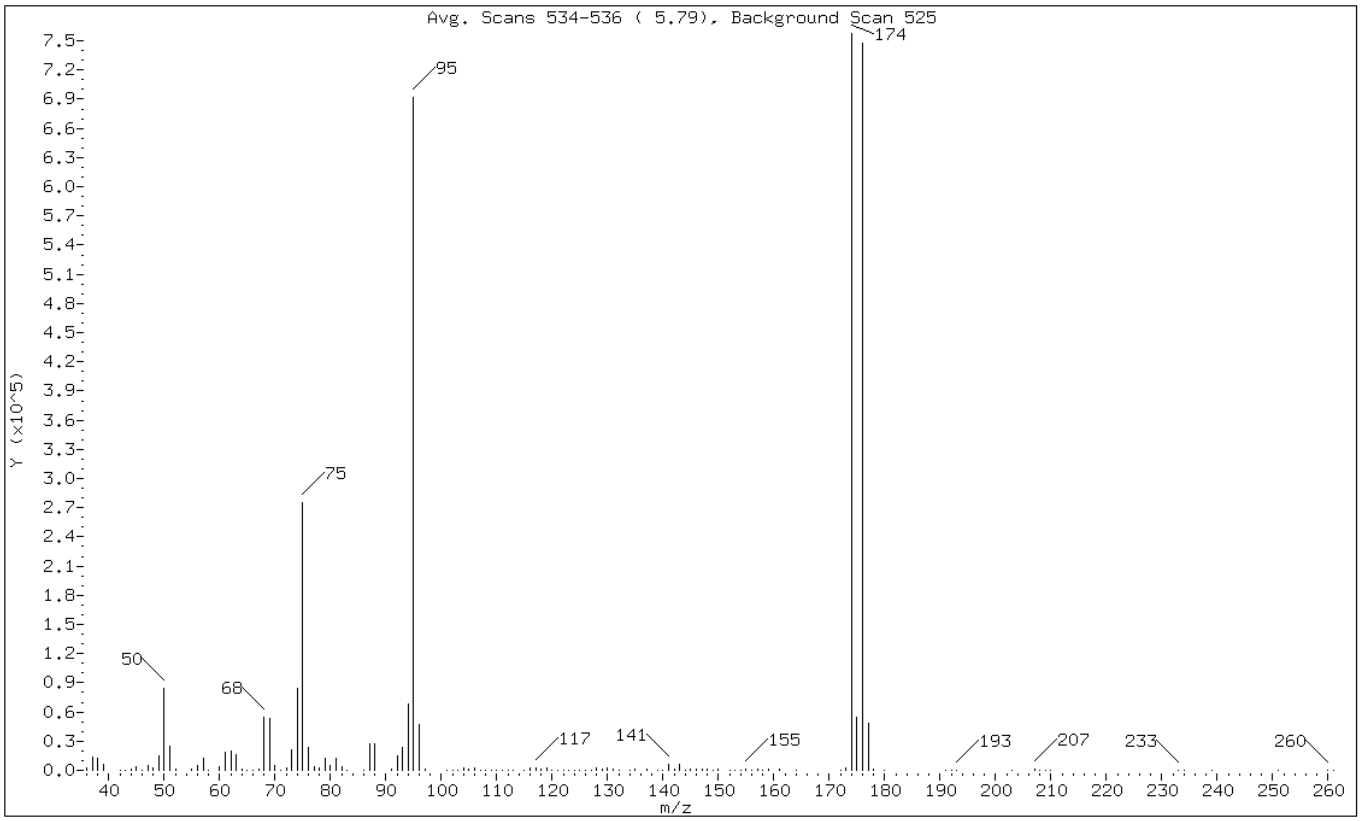
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

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		
5.793	5.900	-0.107	95	691648			100.00- 100.00	91.29
5.793	5.900	-0.107	50	83709			8.00- 40.00	12.10
5.793	5.900	-0.107	75	275434			30.00- 66.00	39.82
5.793	5.900	-0.107	96	46680			5.00- 9.00	6.75
5.793	5.900	-0.107	173	2996			0.00- 2.00	0.40
5.793	5.900	-0.107	174	757610			50.00- 120.00	109.54
5.793	5.900	-0.107	175	54120			4.00- 9.00	7.14
5.793	5.900	-0.107	176	748137			93.00- 101.00	98.75
5.793	5.900	-0.107	177	48936			5.00- 9.00	6.54

Data File: giem001.d
Client ID: BFB
Operator: WRD
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 10-JUN-2013 09:23
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	12.10
75	30.00 - 66.00% of mass 95	39.82
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.43 (0.40)
174	50.00 - 120.00% of mass 95	109.54
175	4.00 - 9.00% of mass 174	7.82 (7.14)
176	93.00 - 101.00% of mass 174	108.17 (98.75)
177	5.00 - 9.00% of mass 176	7.08 (6.54)

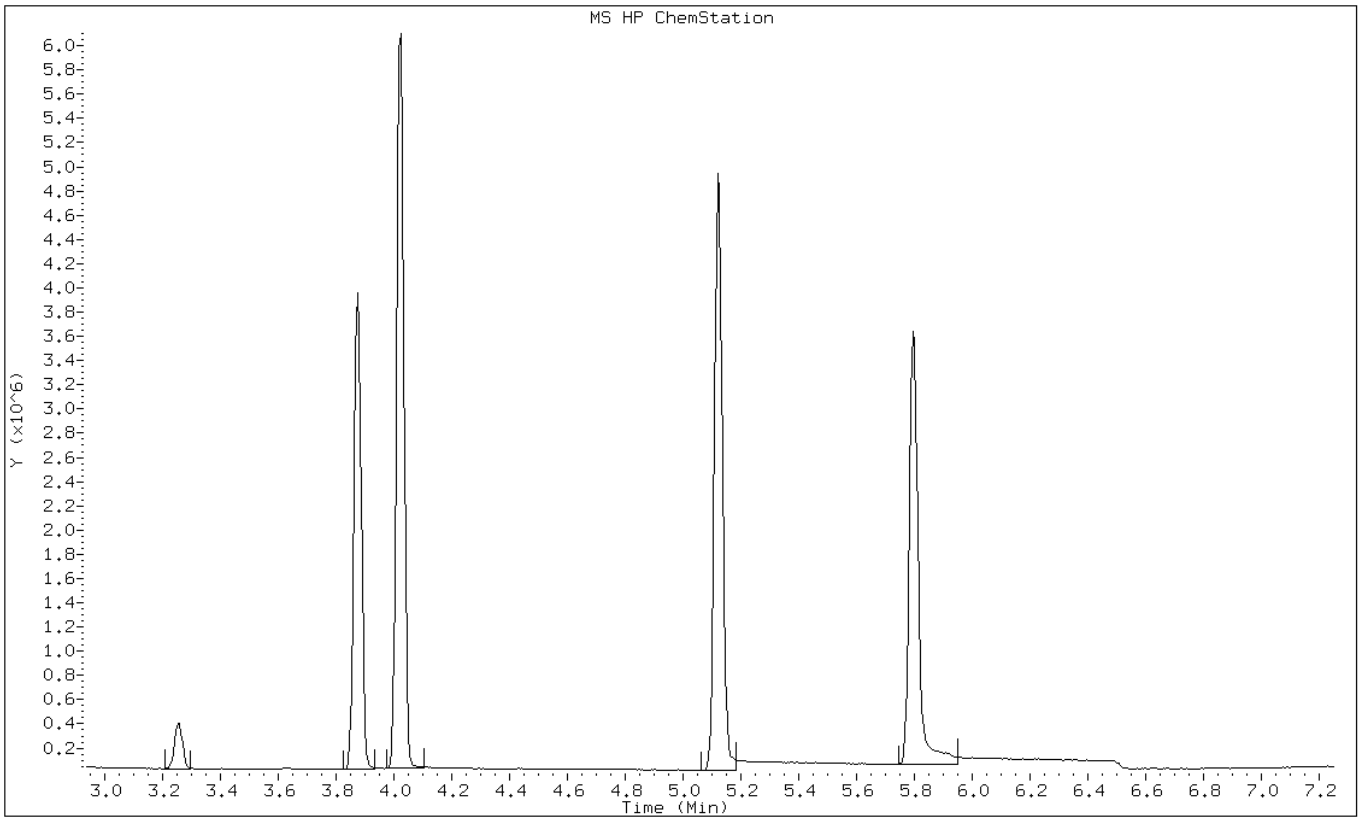
Data File: giem001.d
Client ID: BFB
Operator: WRD
Column Type:
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 10-JUN-2013 09:23
Instrument: G.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/G.i/Gsvr.p/giemto15.b/giem001.d
Spectrum: Avg. Scans 534-536 (5.79), Background Scan 525
Location of Maximum: 174.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2464	74.00	84464	115.00	387	152.00	307
37.00	14027	75.00	275392	116.00	2093	153.00	560
38.00	12327	76.00	22960	117.00	2951	154.00	443
39.00	5758	77.00	3650	118.00	1611	155.00	1733
42.00	31	78.00	1967	119.00	2781	156.00	526
43.00	227	79.00	11824	120.00	135	157.00	1420
44.00	1512	80.00	4703	121.00	55	158.00	425
45.00	3748	81.00	12658	122.00	133	159.00	987
46.00	340	82.00	3318	123.00	284	161.00	911
47.00	4716	83.00	204	124.00	409	164.00	58
48.00	2182	86.00	595	125.00	328	172.00	548
49.00	15019	87.00	26936	126.00	294	173.00	2996
50.00	83704	88.00	26848	127.00	68	174.00	757568
51.00	25008	91.00	1496	128.00	2489	175.00	54120
52.00	836	92.00	15456	129.00	1209	176.00	748096
55.00	772	93.00	23840	130.00	2403	177.00	48936
56.00	5468	94.00	68048	131.00	1065	178.00	1671
57.00	11976	95.00	691648	132.00	143	180.00	55
58.00	228	96.00	46680	134.00	247	191.00	101
60.00	3323	97.00	1554	135.00	994	192.00	206
61.00	18232	101.00	64	137.00	941	193.00	261
62.00	19288	102.00	56	139.00	96	203.00	132
63.00	15659	103.00	142	140.00	452	207.00	1198
64.00	1633	104.00	2216	141.00	6002	208.00	184
65.00	399	105.00	1084	142.00	659	209.00	44
66.00	88	106.00	2252	143.00	5969	210.00	121
67.00	1133	107.00	567	144.00	379	233.00	132
68.00	54408	108.00	120	145.00	708	234.00	50
69.00	53896	109.00	137	146.00	1069	239.00	70
70.00	4368	110.00	240	147.00	710	251.00	124
71.00	82	111.00	617	148.00	1650	260.00	229
72.00	2274	112.00	316	149.00	330	261.00	130
73.00	20560	113.00	400	150.00	849		

Data File:	giem001.d	Date:	10-JUN-2013 09:23
Client ID:	BFB	Instrument:	G.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		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-56885/5

Matrix: Air Lab File ID: giem005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:57

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.040	U	0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
79-01-6	Trichloroethene	131.39	0.040	U	0.040	0.0092
108-88-3	Toluene	92.14	0.20	U	0.20	0.014
127-18-4	Tetrachloroethene	165.83	0.040	U	0.040	0.015
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	0.50	U	0.50	0.022
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.016
1330-20-7	Xylenes, Total	106.17	0.20	U	0.20	0.016
108-90-7	Chlorobenzene	112.30	0.20	U	0.20	0.013

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: MB 200-56885/5

Matrix: Air Lab File ID: giem005.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:57

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.: 56885 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	0.10	U	0.10	0.023
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
79-01-6	Trichloroethene	131.39	0.21	U	0.21	0.049
108-88-3	Toluene	92.14	0.75	U	0.75	0.053
127-18-4	Tetrachloroethene	165.83	0.27	U	0.27	0.10
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.065
179601-23-1	m-Xylene & p-Xylene	106.17	2.2	U	2.2	0.096
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.069
1330-20-7	Xylenes, Total	106.17	0.87	U	0.87	0.069
108-90-7	Chlorobenzene	112.30	0.92	U	0.92	0.060

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem005.d
Lab Smp Id: mb
Inj Date : 10-JUN-2013 12:57
Operator : WRD Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

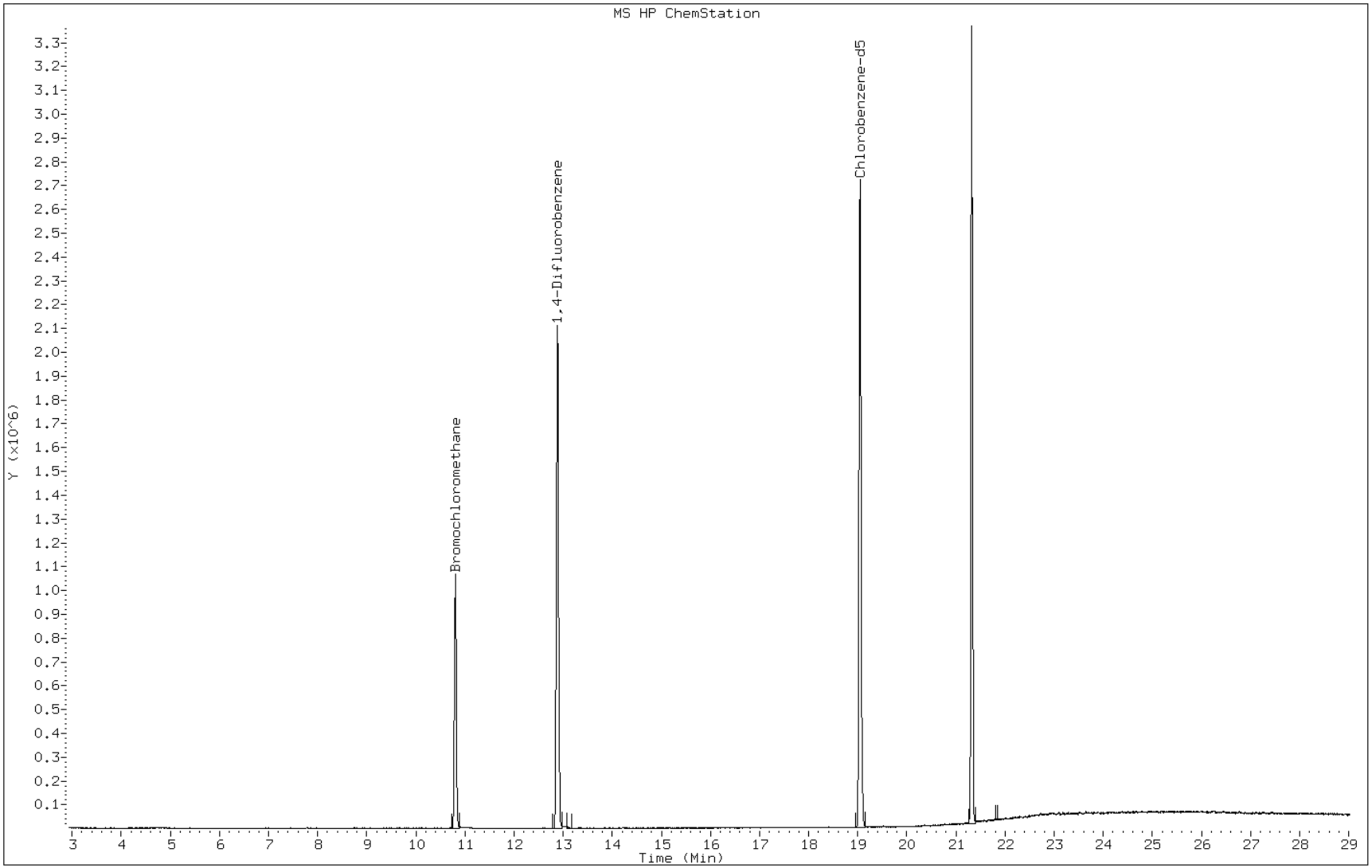
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	Compound Not Detected.					
6	Butane	43	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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	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.					
	24 Acetonitrile	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	10.806	10.828	(1.000)	527784	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	12.887	12.909	(1.000)	3327602	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	19.045	19.066	(1.000)	3072671	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File: giem005.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 10-JUN-2013 12:57
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Client Sample ID: Lab Sample ID: LCS 200-56885/4

Matrix: Air Lab File ID: giem004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 06/10/2013 12:10

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.: 56885 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	10.3		0.040	0.0091
75-35-4	1,1-Dichloroethene	96.94	11.5		0.20	0.086
156-60-5	trans-1,2-Dichloroethene	96.94	10.1		0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	10.6		0.20	0.084
71-43-2	Benzene	78.11	9.29		0.20	0.018
79-01-6	Trichloroethene	131.39	10.3		0.040	0.0092
108-88-3	Toluene	92.14	9.71		0.20	0.014
127-18-4	Tetrachloroethene	165.83	9.46		0.040	0.015
100-41-4	Ethylbenzene	106.17	10.0		0.20	0.015
179601-23-1	m-Xylene & p-Xylene	106.17	19.3		0.50	0.022
95-47-6	o-Xylene	106.17	9.55		0.20	0.016
1330-20-7	Xylenes, Total	106.17	28.9		0.20	0.016
108-90-7	Chlorobenzene	112.30	9.81		0.20	0.013

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/giemto15.b/giem004.d
Lab Smp Id: lcs 507397
Inj Date : 10-JUN-2013 12:10
Operator : WRD Inst ID: G.i
Smp Info : lcs 507397
Misc Info : 200,1,lcs
Comment :
Method : /chem/G.i/Gsvr.p/giemto15.b/to15v5.m
Meth Date : 11-Jun-2013 13:46 lyonsb Quant Type: ISTD
Cal Date : 17-MAY-2013 17:12 Cal File: gie010.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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

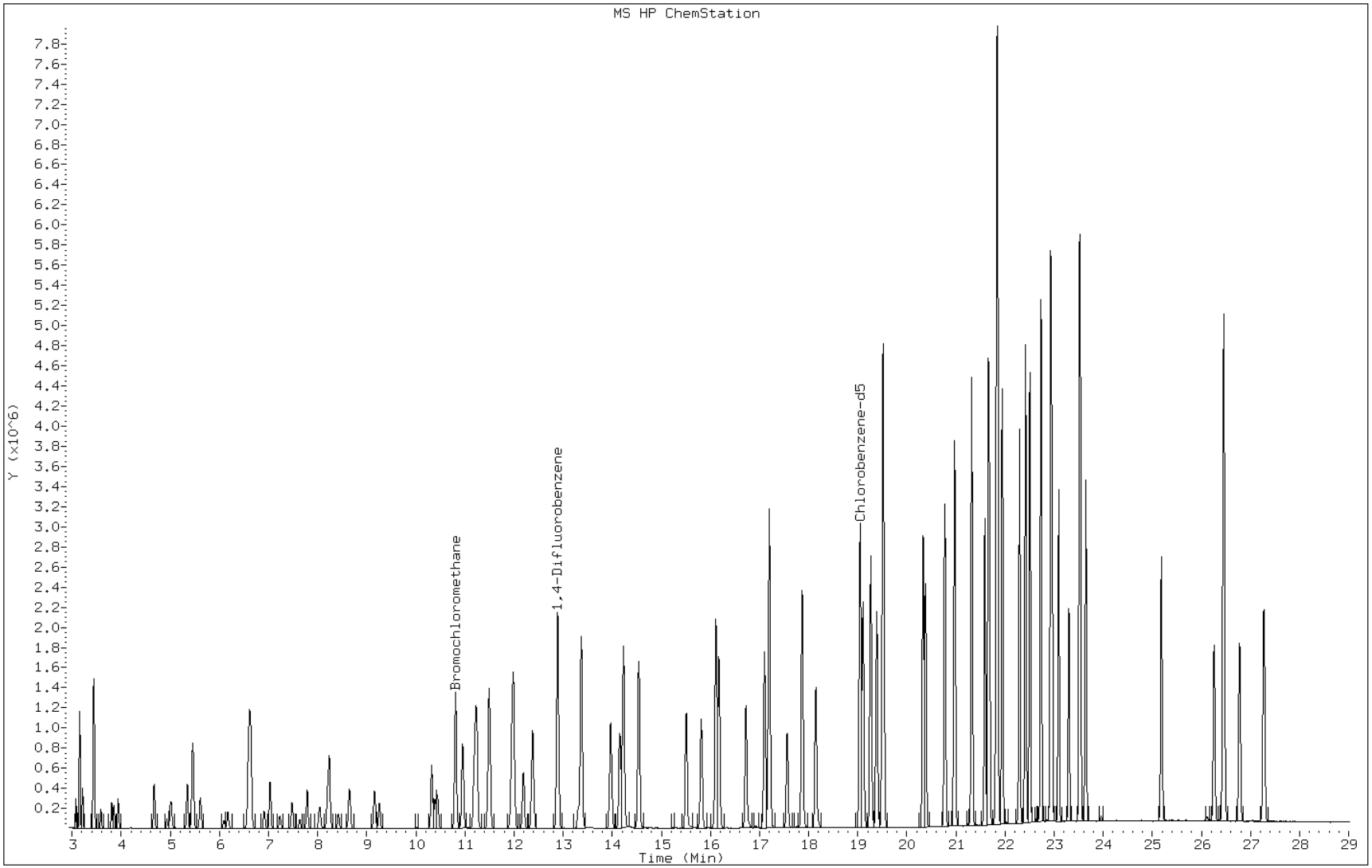
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
1	Propene	41	3.076	3.081	(0.284)	114357	9.81726	9.8
2	Dichlorodifluoromethane	85	3.151	3.156	(0.291)	999232	11.7235	12
3	Chlorodifluoromethane	51	3.209	3.215	(0.297)	369037	10.5880	11
4	1,2-Dichloro-1,1,2,2-tetraflu	85	3.440	3.445	(0.318)	916393	11.3394	11
5	Chloromethane	50	3.584	3.595	(0.331)	176929	10.3009	10
6	Butane	43	3.803	3.814	(0.352)	240421	9.78446	9.8
7	Vinyl chloride	62	3.851	3.862	(0.356)	232419	10.2564	10
8	1,3-Butadiene	54	3.937	3.948	(0.364)	150261	10.3557	10
9	Bromomethane	94	4.670	4.681	(0.432)	314483	10.5872	11
10	Chloroethane	64	4.932	4.943	(0.456)	88609	9.91211	9.9
11	2-Methylbutane	43	5.012	5.018	(0.464)	160372	9.42113	9.4
12	Vinyl bromide	106	5.344	5.355	(0.494)	389574	11.0979	11
13	Trichlorofluoromethane	101	5.456	5.467	(0.505)	1179369	11.4275	11
14	Pentane	43	5.611	5.622	(0.519)	277665	9.44688	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
15	Ethanol	45	6.093	6.120	(0.564)	113923	17.8576	18
16	Ethyl ether	59	6.173	6.184	(0.571)	137236	9.66600	9.7
17	1,1,2-Trichloro-1,2,2-trifluo	101	6.607	6.617	(0.611)	771784	11.7264	12
18	Acrolein	56	6.580	6.596	(0.609)	62702	8.97554	9.0
19	1,1-Dichloroethene	96	6.644	6.655	(0.615)	318277	11.5009	12
20	Acetone	43	6.911	6.928	(0.639)	281811	8.17222	8.2
21	Carbon disulfide	76	7.035	7.040	(0.651)	845413	10.4960	10
22	Isopropanol	45	7.232	7.254	(0.669)	211057	9.73349	9.7
23	Allyl chloride	41	7.479	7.495	(0.692)	199819	9.71092	9.7
24	Acetonitrile	41	7.634	7.655	(0.706)	110019	8.93265	8.9
25	Methylene chloride	49	7.789	7.800	(0.720)	246468	10.4469	10
26	Tert-butyl alcohol	59	8.040	8.062	(0.744)	400165	10.1048	10
27	Methyl tert-butyl ether	73	8.211	8.228	(0.760)	760643	10.6562	11
28	1,2-Dichloroethene (trans)	61	8.244	8.249	(0.762)	362941	10.1359	10
29	Acrylonitrile	53	8.420	8.442	(0.779)	138626	9.84126	9.8
30	n-Hexane	57	8.650	8.656	(0.800)	300220	9.70681	9.7
31	1,1-Dichloroethane	63	9.158	9.174	(0.847)	512263	9.58904	9.6
32	Vinyl acetate	43	9.260	9.271	(0.856)	503585	9.60692	9.6
M 33	1,2-Dichloroethene,Total	61				817004	20.7856	21
34	1,2-Dichloroethene (cis)	96	10.325	10.341	(0.955)	454063	10.6496	11
35	Ethyl acetate	88	10.442	10.464	(0.966)	25248	10.1416	10
36	Methyl Ethyl Ketone	72	10.394	10.416	(0.961)	149262	8.37868	8.4
* 37	Bromochloromethane	128	10.811	10.828	(1.000)	525361	10.0000	
38	Tetrahydrofuran	42	10.806	10.833	(0.839)	257288	9.45164	9.5
39	Chloroform	83	10.956	10.972	(1.013)	1063947	10.6946	11
40	Cyclohexane	84	11.191	11.207	(0.868)	534744	9.29115	9.3
41	1,1,1-Trichloroethane	97	11.234	11.250	(0.872)	1305391	10.3410	10
42	Carbon tetrachloride	117	11.491	11.507	(0.892)	1629143	10.1173	10
43	2,2,4-Trimethylpentane	57	11.962	11.978	(0.928)	1789235	9.21402	9.2
44	Benzene	78	11.988	12.004	(0.930)	1446739	9.28871	9.3
45	1,2-Dichloroethane	62	12.192	12.208	(0.946)	752769	9.85529	9.9
46	n-Heptane	43	12.379	12.390	(0.961)	624239	9.07478	9.1
* 47	1,4-Difluorobenzene	114	12.887	12.909	(1.000)	3312006	10.0000	
48	n-Butanol	56	13.310	13.342	(1.033)	176084	9.18824	9.2
49	Trichloroethene	95	13.369	13.385	(1.037)	1035474	10.2961	10
50	1,2-Dichloropropane	63	13.968	13.989	(1.084)	710580	10.0335	10
51	Methyl methacrylate	69	14.150	14.171	(1.098)	665775	10.2589	10
52	Dibromomethane	174	14.230	14.251	(1.104)	1217543	11.0814	11
53	1,4-Dioxane	88	14.198	14.225	(1.102)	307869	10.8084	11
54	Bromodichloromethane	83	14.540	14.556	(1.128)	1830812	11.2676	11
55	1,3-Dichloropropene (cis)	75	15.508	15.525	(1.203)	1186492	10.5041	11
56	Methyl isobutyl ketone	43	15.813	15.835	(1.227)	1124296	10.4300	10
57	n-Octane	43	16.172	16.183	(1.255)	1119645	9.92388	9.9
58	Toluene	92	16.108	16.124	(0.846)	1615485	9.70852	9.7
59	1,3-Dichloropropene (trans)	75	16.723	16.739	(1.298)	1177036	10.6534	11
60	1,1,2-Trichloroethane	83	17.103	17.119	(0.898)	819208	9.58476	9.6
61	Tetrachloroethene	166	17.199	17.215	(0.903)	1735226	9.46071	9.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.563	17.584	(0.922)	934844	10.7013	11
	63 Dibromochloromethane	129	17.868	17.889	(0.938)	2216112	10.8954	11
	64 1,2-Dibromoethane	107	18.146	18.162	(0.953)	1608459	10.1491	10
*	65 Chlorobenzene-d5	117	19.050	19.066	(1.000)	3251635	10.0000	
	66 Chlorobenzene	112	19.109	19.125	(1.003)	2263769	9.81093	9.8
	67 n-Nonane	57	19.387	19.403	(1.018)	1267631	9.51442	9.5
	68 Ethylbenzene	91	19.264	19.280	(1.011)	3448942	10.0456	10
	69 Xylene (m,p)	106	19.515	19.532	(1.024)	2721349	19.3338	19
M	70 Xylenes, Total	106				4102328	28.8878	29
	71 Xylene (o)	106	20.334	20.345	(1.067)	1380979	9.55406	9.6
	72 Styrene	104	20.382	20.393	(1.070)	1996001	10.1933	10
	73 Bromoform	173	20.773	20.789	(1.090)	2312034	11.1359	11
	74 Isopropylbenzene	105	20.970	20.987	(1.101)	3976941	9.95939	10
	75 1,1,2,2-Tetrachloroethane	83	21.586	21.602	(1.133)	2004202	9.65254	9.7
	76 n-Propylbenzene	91	21.661	21.671	(1.137)	4433255	10.3203	10
	77 1,2,3-Trichloropropane	75	21.682	21.698	(1.138)	1409177	9.81738	9.8
	78 n-Decane	57	21.821	21.832	(1.145)	1389885	9.51819	9.5
	79 4-Ethyltoluene	105	21.842	21.853	(1.147)	3634650	10.4048	10
	80 2-Chlorotoluene	91	21.848	21.864	(1.147)	2976741	10.3154	10
	81 1,3,5-Trimethylbenzene	105	21.944	21.955	(1.152)	3253973	9.69843	9.7
	82 Alpha Methyl Styrene	118	22.292	22.308	(1.170)	1635785	11.5972	12
	83 tert-butylbenzene	119	22.415	22.431	(1.177)	3290811	9.78342	9.8
	84 1,2,4-Trimethylbenzene	105	22.506	22.517	(1.181)	3121303	9.69241	9.7
	85 sec-Butylbenzene	105	22.731	22.741	(1.193)	4725321	9.83158	9.8
	86 4-Isopropyltoluene	119	22.928	22.939	(1.204)	4033787	9.97270	10
	87 1,3-Dichlorobenzene	146	22.955	22.971	(1.205)	2003767	9.82696	9.8
	88 1,4-Dichlorobenzene	146	23.094	23.105	(1.212)	1850410	9.89766	9.9
	89 Benzyl chloride	91	23.298	23.314	(1.223)	1967798	10.9028	11
	90 Undecane	57	23.533	23.544	(1.235)	1537410	10.0842	10
	91 n-Butylbenzene	91	23.512	23.528	(1.234)	3135695	10.4630	10
	92 1,2-Dichlorobenzene	146	23.645	23.656	(1.241)	1993131	9.27427	9.3
	93 Dodecane	57	25.186	25.197	(1.322)	1347762	9.42095	9.4
	94 1,2,4-Trichlorobenzene	180	26.256	26.272	(1.378)	996541	8.69981	8.7
	95 1,3-Hexachlorobutadiene	225	26.454	26.470	(1.389)	1925514	8.84362	8.8
	96 Naphthalene	128	26.775	26.796	(1.406)	2563106	8.95040	9.0
	97 1,2,3-Trichlorobenzene	180	27.272	27.289	(1.432)	1339860	10.1491	10

Data File: giem004.d
Client ID:
Operator: WRD
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 507397
Lab Sample ID: lcs 507397

Date: 10-JUN-2013 12:10
Instrument: G.i
Inj Vol: 200.0
Diameter: 0.32



GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: GIE	Start Date: 5/17/13 Time: 0946	ISTD Container ID: 248062	Instrument ID: G
Test Method: TO15	End Date: 5/18/13 Time: 0946	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 5/17/13		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.*

Bradley W. Chiquin Paul Daigle
Bwc Paul D PAD

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
0946	GIE 001	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
1032	002	4633	VIBLK		1	200		✓	✓		
1122	003	4943	IC-08		2	40		N/A	✓		491727
1212	004	4943	-01		2	200			✓		491727
1302	005	5464	-02		3	200			✓		491513
1352	006	5465	-03		4	200			✓		491510
1442	007	5447	ICIS-04		5	200			✓		491496
1532	008	3646	IC-05		6	200			✓		491507
1622	009	3535	-06		7	200			✓		491499
1712	010	3503	-07		8	200			✓		491500
1801	011	4633	VIBLK		1	200		✓	✓		
1851	012	4633	~~ICV~~ VIBLK		1	200		✓	✓		
1941	013	5414	ICV		9	200		✓	↑		R
2031	014	4633	VIBLK		1	200		✓	✓		
2121	015	5414	ICV		9	200		✓	✓		AG 489438
2211	016	4633	VIBLK	N/A	1	200	PAD	✓	✓	PAD	

5/20/13 PAD

Legend: C=Complete • ~~R=Reanalyze~~ • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: GIEM	Start Date: 6/10/13	Time: 0923	ISTD Container ID: 248CX62	Instrument ID: G
Test Method: TO15	End Date: 6/10/13	Time: 0923	CCV Container ID: 504997	Instrument: 5973
ICAL Date: 55724			ICV/LCS Container ID: 507397	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
0923	GIEM01	N/A	BFB	N/A			BC	—	✓	BC	
1010	02	3155	CCV-X		1	200		—	R		R-Valve Closed
1057	03	3158	CCV15		1			—	✓		All Good
1210	04	3643	LCS		2			✓	✓		
1257	05	12683	MB		3			✓	✓		
1344	06		16830-2	10	4	20		✓	✓		
1431	07	5111	16886-1	1	5	200		✓	✓		
1519	08	5027	-2		6			✓	✓		
1605	09	4150	-3		7			✓	✓		
1652	10	4307	-4		8			✓	✓		
1739	11	4356	16858-10	10	9	20		✓	✓		
1826	12	4258	-11		10			✓	✓		
1913	13	5127	-12		11			✓	✓		
2000	14	5129	16882-01	1	12	200		✓	✓		
2047	15	3029	-02		13			✓	✓		
2134	16	4559	-03		14			✓	✓		
2221	17	4159	16881-01		15			✓	✓		
2308	18	3337	-02		16			✓	✓		
2355	19	4072	-03		1			✓	✓		
0042	20	5084	-04		2			✓	✓		
0129	21	6356	16868-01		3			✓	✓		
0216	22	7485	-02		4			✓	✓		
0303	23	6587	-03		5			✓	✓		
0350	24	12272	-04		6			✓	✓		
0447	25	4912	16905-9	0.2	7	1000	WRD	✓	✓		
0545	26	4297	16912-11		8	1000		✓	✓		ACE, MeCl2, Ethanol, TCFM, Chloroeth, CDFM, DCDFM↑
0841	27	3635	16906-8		9	1000		✓	✓		←BTEX + STYRENE-OK

BC 6/11/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Start Date: 05/17/2013 09:46

Analysis Batch Number: 55724 End Date: 05/17/2013 22:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-55724/1		05/17/2013 09:46	1	gie001.d	RTX-624 0.32(mm)
VIBLK 200-55724/2		05/17/2013 10:32	1		RTX-624 0.32(mm)
IC 200-55724/3		05/17/2013 11:22	1	gie003.d	RTX-624 0.32(mm)
IC 200-55724/4		05/17/2013 12:12	1	gie004.d	RTX-624 0.32(mm)
IC 200-55724/5		05/17/2013 13:02	1	gie005.d	RTX-624 0.32(mm)
IC 200-55724/6		05/17/2013 13:52	1	gie006.d	RTX-624 0.32(mm)
ICIS 200-55724/7		05/17/2013 14:42	1	gie007.d	RTX-624 0.32(mm)
IC 200-55724/8		05/17/2013 15:32	1	gie008.d	RTX-624 0.32(mm)
IC 200-55724/9		05/17/2013 16:22	1	gie009.d	RTX-624 0.32(mm)
IC 200-55724/10		05/17/2013 17:12	1	gie010.d	RTX-624 0.32(mm)
VIBLK 200-55724/11		05/17/2013 18:01	1		RTX-624 0.32(mm)
VIBLK 200-55724/12		05/17/2013 18:51	1		RTX-624 0.32(mm)
ICV 200-55724/13		05/17/2013 19:41	1		RTX-624 0.32(mm)
VIBLK 200-55724/14		05/17/2013 20:31	1		RTX-624 0.32(mm)
ICV 200-55724/15		05/17/2013 21:21	1	gie015.d	RTX-624 0.32(mm)
VIBLK 200-55724/16		05/17/2013 22:11	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16861-1

SDG No.: 200-16861

Instrument ID: G.i Start Date: 06/10/2013 09:23

Analysis Batch Number: 56885 End Date: 06/11/2013 08:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56885/1		06/10/2013 09:23	1	giem001.d	RTX-624 0.32(mm)
CCVIS 200-56885/2		06/10/2013 10:10	1		RTX-624 0.32(mm)
CCVIS 200-56885/3		06/10/2013 10:57	1	giem003.d	RTX-624 0.32(mm)
LCS 200-56885/4		06/10/2013 12:10	1	giem004.d	RTX-624 0.32(mm)
MB 200-56885/5		06/10/2013 12:57	1	giem005.d	RTX-624 0.32(mm)
ZZZZZ		06/10/2013 13:44	10		RTX-624 0.32(mm)
200-16861-1	SV40811-053013	06/10/2013 14:31	1	giem007.d	RTX-624 0.32(mm)
200-16861-2	SV40771-053013	06/10/2013 15:19	1	giem008.d	RTX-624 0.32(mm)
200-16861-3	SV40812-053013	06/10/2013 16:05	1	giem009.d	RTX-624 0.32(mm)
200-16861-4	SV40772-053013	06/10/2013 16:52	1	giem010.d	RTX-624 0.32(mm)
ZZZZZ		06/10/2013 17:39	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 18:26	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 19:13	10		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 20:00	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 20:47	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 21:34	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 22:21	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 23:08	1		RTX-624 0.32(mm)
ZZZZZ		06/10/2013 23:55	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 00:42	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 01:29	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 02:16	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 03:03	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 03:50	1		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 04:47	0.2		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 05:45	0.2		RTX-624 0.32(mm)
ZZZZZ		06/11/2013 08:41	0.2		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Walker + Coke	200-16861	6/7/13	1030	29.4	22	611	BL

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) MA MCP: Check return flow rate for flow controllers	N/A		
(4) 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
16861-1	5111	-4.5	N	4612	Y	5111 CLQH	N/A
-2	5027	-5.4		4977	Y	5027 CLQH	
-3	4150	-5.5		4603	Y	4150 CLQH	
-4	4307	-4.7		4630	Y	4307 CLQH	
-5	3275	-4.4		5000	Y	3275 CLQH	
-6	4305	-7.8		4514	Y	4305 CLQH	
-7	3236	-5.3		5237	Y	3236 CLQH	

BL 6/7/13

[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 # N/A

200-16615-A-1
3236
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-601220

Loc: 200
16615
#1
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	5/23/13	S	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: G8	Gauge ID: G8 / G8
1	3236	-29.8	-30.0	-30.0	0.0	Date: 5/24/13	Date: 5/28/13 / 5/29/13
2	4305					Time: 1043	Time: 1644 / 1220
3	5027					Tech: ANI	Tech: C / C
4	4307					BP: 29.2 ("Hg)	BP: 29.5 / -30.0 ("Hg)
5	3275					Temp 22 (°C)	Temp: 22 / 22 (°C)
6	4150					[3]Acceptance Criteria:	
7	5111					(1) The difference must be less than or equal to + 0.5	
8	4554		-30.1	-30.0	0.0	(2) Pressure readings must be at least 24 hours apart.	
9	3534		Reclean			If time frame was not met, the PM must authorize shipment of canister:	
10	5021		-30.0	-30.0	0.0	*PM Authorization:*	
11	2945						
12	5164					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
3236	5/24/13	CLQH	WM		✓				5/29/13	PAD
4305					✓					
5027					✓					
4307					✓					
3275					✓					
4150					✓					
5111					✓					
4554	5/28/13	CLQI								
3534	Reclean									
5021	5/28/13	CLQI	WM		✓					
2945					✓					
5164					✓					

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 ALL For Routine .04ppb

BR-FAI023.10.19.09.7
TestAmerica

200-16615-A-2
4305
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501221

Loc: 200
16615
#2
A

200-16615-A-3
5027
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501222

Loc: 200
16615
#3
A

200-16615-A-4
4307
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501223

Loc: 200
16615
#4
A

200-16615-A-5
3275
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501224

Loc: 200
16615
#5
A

200-16615-A-6
4160
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501225

Loc: 200
16615
#6
A

200-16615-A-7
5111
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501226

Loc: 200
16615
#7
A

200-16615-A-8
4554
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501227

Loc: 200
16615
#8
A

200-16615-A-9
3534
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501228

Loc: 200
16615
#9
A

200-16615-A-10
5021
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501229

Loc: 200
16615
#10
A

200-16615-A-11
2945
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501230

Loc: 200
16615
#11
A

200-16615-A-12
5164
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/23/2013 12:00 AM 200-501231

Loc: 200
16615
#12
A

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqi03.d

Lab ID: LCS 200-56146/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	11.2	112	70-130	
Dichlorodifluoromethane	10.0	11.3	113	70-130	
Freon 22	10.0	11.1	111	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	70-130	
Chloromethane	10.0	10.3	103	70-130	
n-Butane	10.0	10.5	105	70-130	
Vinyl chloride	10.0	10.3	103	70-130	
1,3-Butadiene	10.0	11.1	111	70-130	
Bromomethane	10.0	9.69	97	70-130	
Chloroethane	10.0	9.84	98	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	11.2	112	70-130	
Ethanol	15.0	18.1	120	70-130	
Freon TF	10.0	11.4	114	70-130	
1,1-Dichloroethene	10.0	11.2	112	70-130	
Acetone	10.0	11.4	114	70-130	
Isopropyl alcohol	10.0	10.7	107	70-130	
Carbon disulfide	10.0	10.3	103	70-130	
3-Chloropropene	10.0	11.0	110	70-130	
Methylene Chloride	10.0	11.3	113	70-130	
tert-Butyl alcohol	10.0	10.9	110	70-130	
Methyl tert-butyl ether	10.0	10.2	102	70-130	
trans-1,2-Dichloroethene	10.0	11.1	111	70-130	
n-Hexane	10.0	10.6	106	70-130	
1,1-Dichloroethane	10.0	10.7	107	70-130	
Vinyl acetate	10.0	9.52	95	70-130	
Ethyl acetate	10.0	9.76	98	70-130	
Methyl Ethyl Ketone	10.0	9.33	93	70-130	
cis-1,2-Dichloroethene	10.0	10.6	106	70-130	
Chloroform	10.0	11.1	111	70-130	
Tetrahydrofuran	10.0	11.3	113	70-130	
1,1,1-Trichloroethane	10.0	12.5	125	70-130	
Cyclohexane	10.0	11.5	115	70-130	
Carbon tetrachloride	10.0	12.6	126	70-130	
2,2,4-Trimethylpentane	10.0	12.0	120	70-130	
Benzene	10.0	11.2	112	70-130	
1,2-Dichloroethane	10.0	12.9	129	70-130	
n-Heptane	10.0	12.3	123	70-130	
Trichloroethene	10.0	11.4	114	70-130	
Methyl methacrylate	10.0	11.1	111	70-130	
1,2-Dichloropropane	10.0	10.6	106	70-130	
1,4-Dioxane	10.0	10.2	102	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqi03.d

Lab ID: LCS 200-56146/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	12.7	127	70-130	
cis-1,3-Dichloropropene	10.0	11.2	112	70-130	
methyl isobutyl ketone	10.0	13.7	137	70-130	*
Toluene	10.0	11.4	114	70-130	
trans-1,3-Dichloropropene	10.0	11.4	114	70-130	
1,1,2-Trichloroethane	10.0	11.1	111	70-130	
Tetrachloroethene	10.0	12.2	122	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	14.7	147	70-130	*
Dibromochloromethane	10.0	13.5	135	70-130	*
1,2-Dibromoethane	10.0	11.9	120	70-130	
Chlorobenzene	10.0	11.4	114	70-130	
Ethylbenzene	10.0	11.5	115	70-130	
m,p-Xylene	20.0	22.4	112	70-130	
Xylene, o-	10.0	11.1	111	70-130	
Styrene	10.0	12.2	122	70-130	
Bromoform	10.0	12.9	129	70-130	
Cumene	10.0	11.7	117	70-130	
1,1,2,2-Tetrachloroethane	10.0	11.0	110	70-130	
n-Propylbenzene	10.0	11.9	119	70-130	
4-Ethyltoluene	10.0	12.3	123	70-130	
1,3,5-Trimethylbenzene	10.0	11.9	119	70-130	
2-Chlorotoluene	10.0	12.3	123	70-130	
tert-Butylbenzene	10.0	11.9	119	70-130	
1,2,4-Trimethylbenzene	10.0	11.9	119	70-130	
sec-Butylbenzene	10.0	11.9	119	70-130	
4-Isopropyltoluene	10.0	12.7	127	70-130	
1,3-Dichlorobenzene	10.0	11.2	112	70-130	
1,4-Dichlorobenzene	10.0	11.0	110	70-130	
Benzyl chloride	10.0	12.8	128	70-130	
n-Butylbenzene	10.0	13.1	132	70-130	*
1,2-Dichlorobenzene	10.0	10.7	107	70-130	
1,2,4-Trichlorobenzene	10.0	11.9	119	70-130	
Hexachlorobutadiene	10.0	12.4	124	70-130	
Naphthalene	10.0	12.3	123	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqh03.d

Lab ID: LCS 200-56177/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	10.9	109	70-130	
Dichlorodifluoromethane	10.0	11.2	112	70-130	
Freon 22	10.0	10.9	109	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.7	107	70-130	
Chloromethane	10.0	10.2	102	70-130	
n-Butane	10.0	10.4	104	70-130	
Vinyl chloride	10.0	10.2	102	70-130	
1,3-Butadiene	10.0	11.0	110	70-130	
Bromomethane	10.0	9.65	97	70-130	
Chloroethane	10.0	9.88	99	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.2	102	70-130	
Trichlorofluoromethane	10.0	11.0	110	70-130	
Ethanol	15.0	18.5	123	70-130	
Freon TF	10.0	11.4	114	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	12.3	123	70-130	
Isopropyl alcohol	10.0	10.3	103	70-130	
Carbon disulfide	10.0	10.2	102	70-130	
3-Chloropropene	10.0	10.9	109	70-130	
Methylene Chloride	10.0	11.1	111	70-130	
tert-Butyl alcohol	10.0	10.8	108	70-130	
Methyl tert-butyl ether	10.0	11.2	112	70-130	
trans-1,2-Dichloroethene	10.0	10.9	109	70-130	
n-Hexane	10.0	10.4	104	70-130	
1,1-Dichloroethane	10.0	10.5	106	70-130	
Vinyl acetate	10.0	11.1	111	70-130	
Ethyl acetate	10.0	10.4	104	70-130	
Methyl Ethyl Ketone	10.0	9.63	96	70-130	
cis-1,2-Dichloroethene	10.0	10.5	105	70-130	
Chloroform	10.0	11.0	110	70-130	
Tetrahydrofuran	10.0	10.9	109	70-130	
1,1,1-Trichloroethane	10.0	11.1	111	70-130	
Cyclohexane	10.0	10.3	103	70-130	
Carbon tetrachloride	10.0	11.2	112	70-130	
2,2,4-Trimethylpentane	10.0	10.6	106	70-130	
Benzene	10.0	10.1	101	70-130	
1,2-Dichloroethane	10.0	11.5	115	70-130	
n-Heptane	10.0	10.8	108	70-130	
Trichloroethene	10.0	10.0	100	70-130	
Methyl methacrylate	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.0	100	70-130	
1,4-Dioxane	10.0	8.96	90	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Matrix: Air Level: Low Lab File ID: clqh03.d

Lab ID: LCS 200-56177/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	11.7	117	70-130	
cis-1,3-Dichloropropene	10.0	10.8	108	70-130	
methyl isobutyl ketone	10.0	11.8	118	70-130	
Toluene	10.0	9.73	97	70-130	
trans-1,3-Dichloropropene	10.0	11.3	113	70-130	
1,1,2-Trichloroethane	10.0	9.33	93	70-130	
Tetrachloroethene	10.0	9.62	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	11.0	110	70-130	
Dibromochloromethane	10.0	11.3	113	70-130	
1,2-Dibromoethane	10.0	10.0	100	70-130	
Chlorobenzene	10.0	9.55	95	70-130	
Ethylbenzene	10.0	10.1	101	70-130	
m,p-Xylene	20.0	19.8	99	70-130	
Xylene, o-	10.0	9.80	98	70-130	
Styrene	10.0	10.8	108	70-130	
Bromoform	10.0	11.2	112	70-130	
Cumene	10.0	10.2	102	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.29	93	70-130	
n-Propylbenzene	10.0	10.3	103	70-130	
4-Ethyltoluene	10.0	10.7	107	70-130	
1,3,5-Trimethylbenzene	10.0	10.2	102	70-130	
2-Chlorotoluene	10.0	10.6	106	70-130	
tert-Butylbenzene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	10.0	100	70-130	
sec-Butylbenzene	10.0	10.2	102	70-130	
4-Isopropyltoluene	10.0	10.6	106	70-130	
1,3-Dichlorobenzene	10.0	9.60	96	70-130	
1,4-Dichlorobenzene	10.0	9.47	95	70-130	
Benzyl chloride	10.0	10.5	105	70-130	
n-Butylbenzene	10.0	10.7	107	70-130	
1,2-Dichlorobenzene	10.0	9.23	92	70-130	
1,2,4-Trichlorobenzene	10.0	9.06	91	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	
Naphthalene	10.0	9.30	93	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqi04.d Lab Sample ID: MB 200-56146/4

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

Instrument ID: C.i Date Analyzed: 05/28/2013 11:48

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 200-56146/3	clqi03.d	05/28/2013 10:55
4554	200-16615-8	clqi13.d	05/28/2013 19:54
5021	200-16615-10	clqi15.d	05/28/2013 21:42
2945	200-16615-11	clqi24.d	05/29/2013 05:35
5164	200-16615-12	clqi25.d	05/29/2013 06:30

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56146/4

Matrix: Air Lab File ID: clqi04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/28/2013 11:48

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.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-56146/4

Matrix: Air | Lab File ID: clqi04.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 05/28/2013 11:48

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.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56146/4

Matrix: Air Lab File ID: clqi04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/28/2013 11:48

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.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clqito15.b/clqi04.d
Lab Smp Id: mb
Inj Date : 28-MAY-2013 11:48
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.375)	1289	0.05105	0.051(a)
6	Butane	43	4.382	4.387	(0.397)	4962	0.11269	0.11(a)
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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

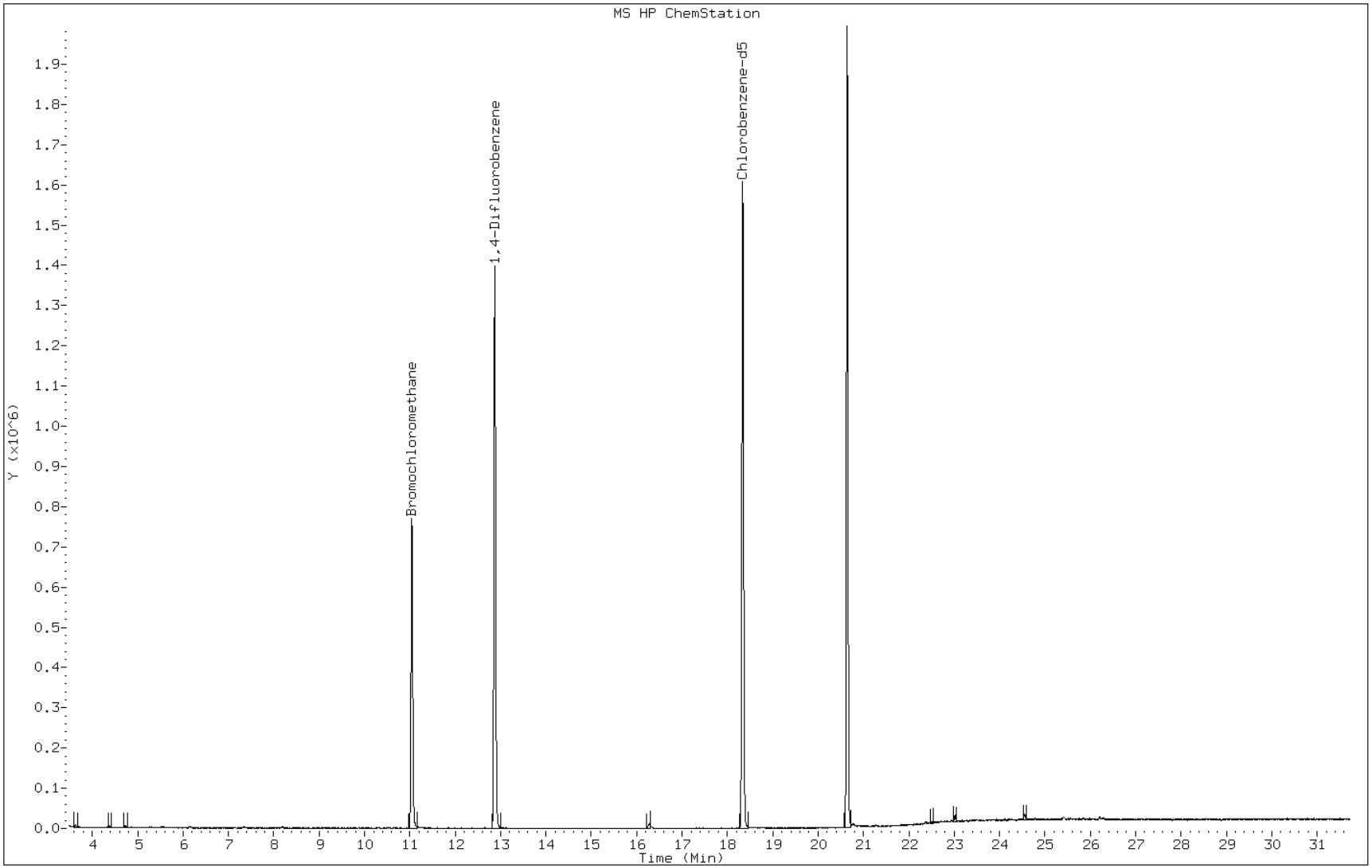
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.344	7.328	(0.665)	7389	0.21098	0.21(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	8.182	8.198	(0.741)	3189	0.10314	0.10(aM)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	282960	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	12.873	12.883	(1.000)	1596998	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.338	18.348	(1.000)	1406026	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	23.013	23.018	(1.255)	4992	0.08832	0.088(a)
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	25.420	25.425	(1.386)	2379	0.05289	0.053(a)
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	clqi04.d	Date:	28-MAY-2013 11:48
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		



Manual Integration Report

Data File: clqi04.d
Lab Sample ID: mb
Inj. Date and Time: 28-MAY-2013 11:48
Instrument ID: C.i
Client ID:
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

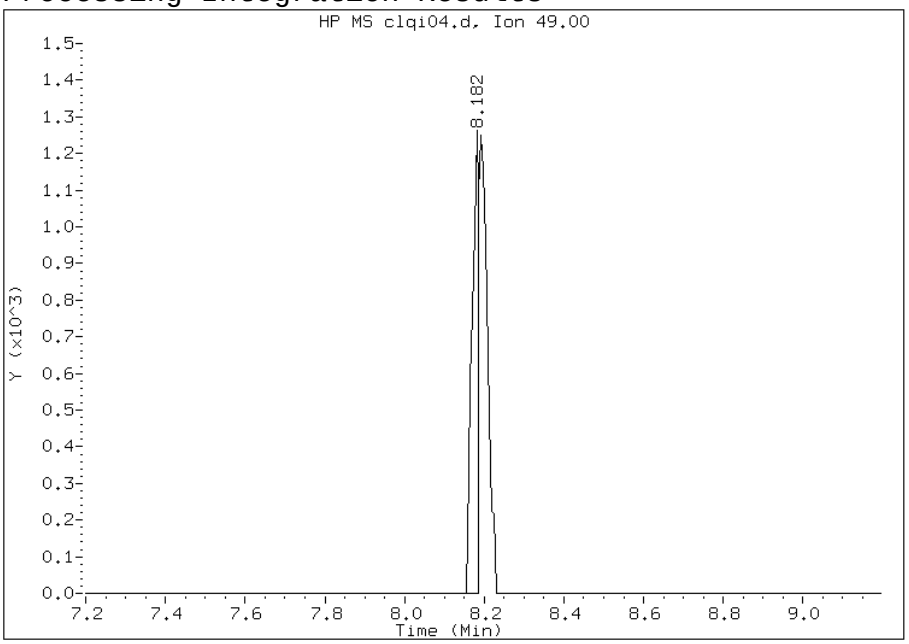
Processing Integration Results

RT: 8.18

Response: 1605

Amount: 0.051895

Conc: 0.051895



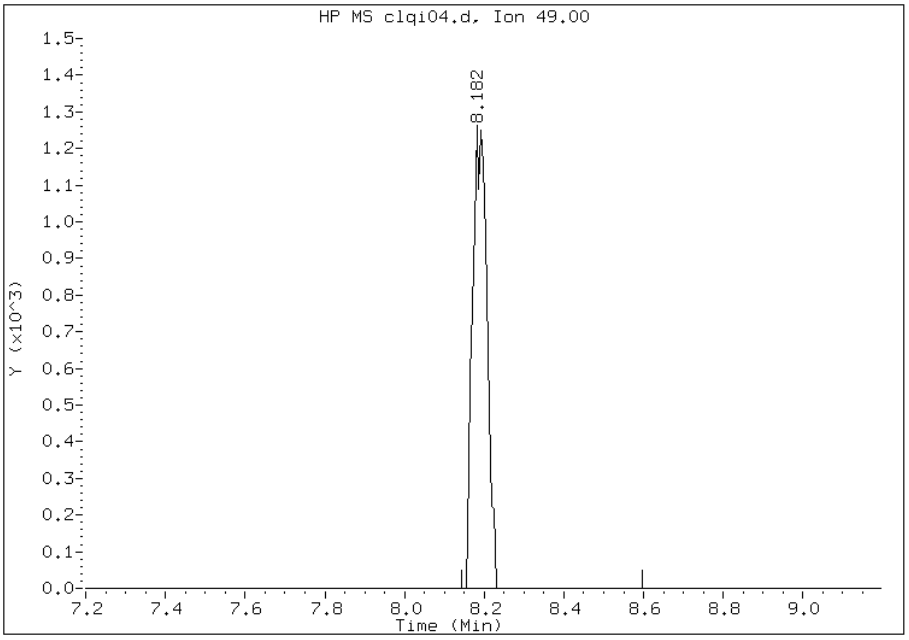
Manual Integration Results

RT: 8.18

Response: 3189

Amount: 0.103141

Conc: 0.103141



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqh04.d Lab Sample ID: MB 200-56177/4

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

Instrument ID: C.i Date Analyzed: 05/24/2013 11:39

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 200-56177/3	clqh03.d	05/24/2013 10:47
3236	200-16615-1	clqh20.d	05/25/2013 01:41
4305	200-16615-2	clqh21.d	05/25/2013 02:36
5027	200-16615-3	clqh22.d	05/25/2013 03:30
4307	200-16615-4	clqh25.d	05/25/2013 06:14
3275	200-16615-5	clqh26.d	05/25/2013 07:08
4150	200-16615-6	clqh27.d	05/25/2013 08:02
5111	200-16615-7	clqh28.d	05/25/2013 08:55

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56177/4

Matrix: Air Lab File ID: clqh04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/24/2013 11:39

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.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-56177/4

Matrix: Air | Lab File ID: clqh04.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 05/24/2013 11:39

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.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-56177/4

Matrix: Air Lab File ID: clqh04.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 05/24/2013 11:39

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.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/clqhto15.b/clqh04.d
Lab Smp Id: mb
Inj Date : 24-MAY-2013 11:39
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.374)	1152	0.04468	0.045(aQ)
6	Butane	43	4.382	4.387	(0.397)	4274	0.09500	0.095(a)
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.					
11	2-Methylbutane	43	Compound Not Detected.					
12	Vinyl bromide	106	Compound Not Detected.					
13	Trichlorofluoromethane	101	Compound Not Detected.					
14	Pentane	43	Compound Not Detected.					

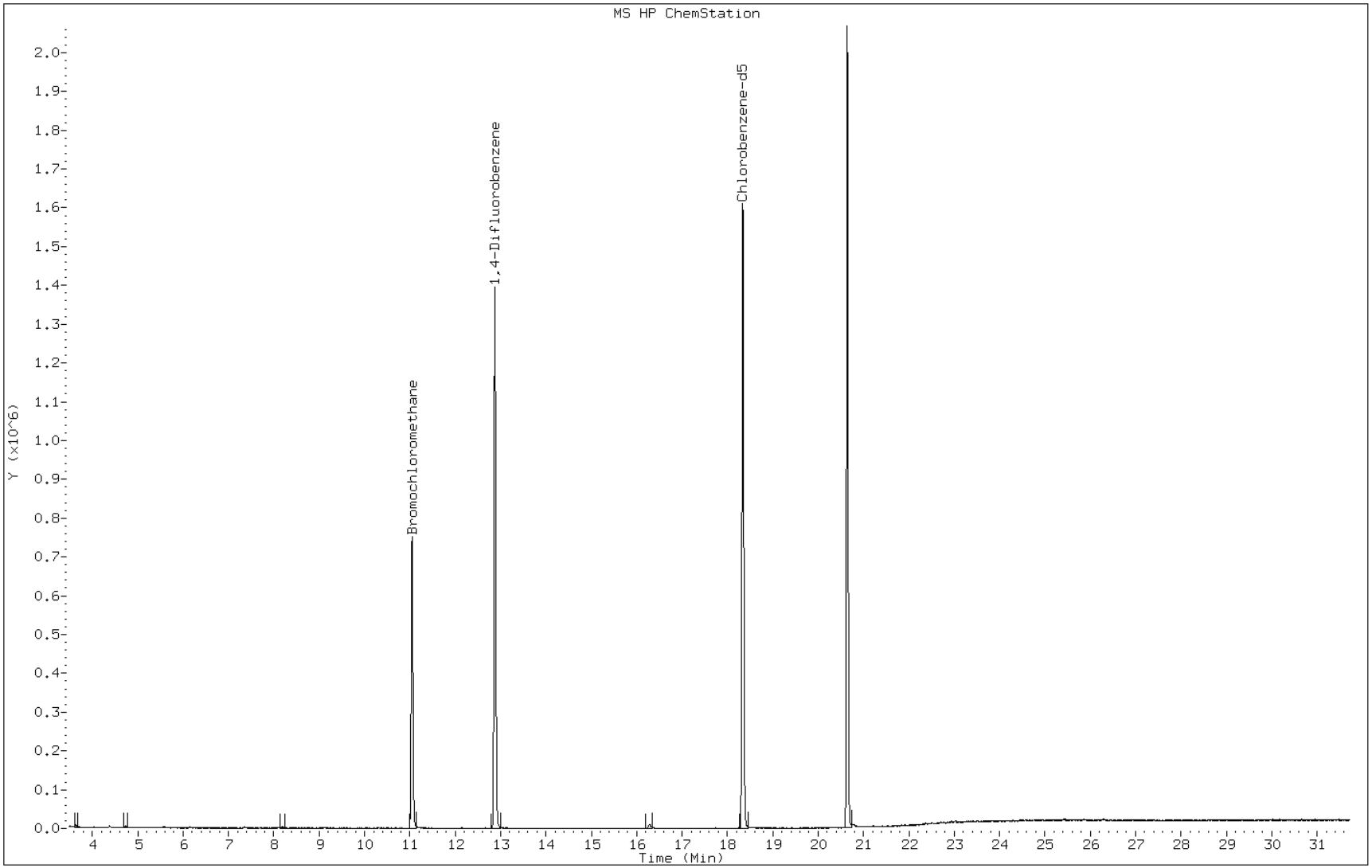
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	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.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3299	0.10441	0.10(a)
	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.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	289157	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	12.873	12.883	(1.000)	1608032	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	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.					
	57 n-Octane	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.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.343	18.348	(1.000)	1430254	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
67	n-Nonane	57	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					
72	Styrene	104	Compound Not Detected.					
73	Bromoform	173	Compound Not Detected.					
74	Isopropylbenzene	105	Compound Not Detected.					
75	1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76	n-Propylbenzene	91	Compound Not Detected.					
77	1,2,3-Trichloropropane	75	Compound Not Detected.					
78	n-Decane	57	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.					
82	Alpha Methyl Styrene	118	Compound Not Detected.					
83	tert-butylbenzene	119	Compound Not Detected.					
84	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85	sec-Butylbenzene	105	Compound Not Detected.					
86	4-Isopropyltoluene	119	Compound Not Detected.					
87	1,3-Dichlorobenzene	146	Compound Not Detected.					
88	1,4-Dichlorobenzene	146	Compound Not Detected.					
89	Benzyl chloride	91	Compound Not Detected.					
90	Undecane	57	Compound Not Detected.					
91	n-Butylbenzene	91	Compound Not Detected.					
92	1,2-Dichlorobenzene	146	Compound Not Detected.					
93	Dodecane	57	Compound Not Detected.					
94	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95	1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96	Naphthalene	128	Compound Not Detected.					
97	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh04.d	Date:	24-MAY-2013 11:39
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 V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clq01.d BFB Injection Date: 05/12/2013

Instrument ID: C.i BFB Injection Time: 21:15

Analysis Batch No.: 55509

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	20.6	
75	30.0 - 66.0% of mass 95	52.8	
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	0.4	(0.5)1
174	50.0 - 120.0% of mass 95	67.9	
175	4.0 - 9.0 % of mass 174	4.7	(6.9)1
176	93.0 - 101.0% of mass 174	65.6	(96.6)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 200-55509/4	clq04.d	05/12/2013	23:49
	IC 200-55509/5	clq05.d	05/13/2013	00:42
	IC 200-55509/6	clq06.d	05/13/2013	01:35
	IC 200-55509/7	clq07.d	05/13/2013	02:27
	ICIS 200-55509/8	clq08.d	05/13/2013	03:20
	IC 200-55509/9	clq09.d	05/13/2013	04:12
	IC 200-55509/10	clq10.d	05/13/2013	05:05
	IC 200-55509/11	clq11.d	05/13/2013	05:58
	ICV 200-55509/14	clq14.d	05/13/2013	08:36

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqh01.d BFB Injection Date: 05/24/2013

Instrument ID: C.i BFB Injection Time: 09:02

Analysis Batch No.: 56177

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.3	
75	30.0 - 66.0% of mass 95	54.5	
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	0.3	(0.5)1
174	50.0 - 120.0% of mass 95	65.1	
175	4.0 - 9.0 % of mass 174	4.6	(7.1)1
176	93.0 - 101.0% of mass 174	62.7	(96.3)1
177	5.0 - 9.0% of mass 176	4.2	(6.7)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-56177/2	clqh02.d	05/24/2013	09:54
	LCS 200-56177/3	clqh03.d	05/24/2013	10:47
	MB 200-56177/4	clqh04.d	05/24/2013	11:39
3236	200-16615-1	clqh20.d	05/25/2013	01:41
4305	200-16615-2	clqh21.d	05/25/2013	02:36
5027	200-16615-3	clqh22.d	05/25/2013	03:30
4307	200-16615-4	clqh25.d	05/25/2013	06:14
3275	200-16615-5	clqh26.d	05/25/2013	07:08
4150	200-16615-6	clqh27.d	05/25/2013	08:02
5111	200-16615-7	clqh28.d	05/25/2013	08:55

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab File ID: clqi01.d BFB Injection Date: 05/28/2013

Instrument ID: C.i BFB Injection Time: 09:09

Analysis Batch No.: 56146

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	21.6	
75	30.0 - 66.0% of mass 95	54.0	
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	63.9	
175	4.0 - 9.0 % of mass 174	4.5	(7.1)1
176	93.0 - 101.0% of mass 174	61.4	(96.0)1
177	5.0 - 9.0% of mass 176	4.1	(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 200-56146/2	clqi02.d	05/28/2013	10:03
	LCS 200-56146/3	clqi03.d	05/28/2013	10:55
	MB 200-56146/4	clqi04.d	05/28/2013	11:48
4554	200-16615-8	clqi13.d	05/28/2013	19:54
5021	200-16615-10	clqi15.d	05/28/2013	21:42
2945	200-16615-11	clqi24.d	05/29/2013	05:35
5164	200-16615-12	clqi25.d	05/29/2013	06:30

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: ICIS 200-55509/8 Date Analyzed: 05/13/2013 03:20

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clq08.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		429129	11.06	2382390	12.88	2156504	18.35
UPPER LIMIT		600781	11.39	3335346	13.21	3019106	18.68
LOWER LIMIT		257477	10.73	1429434	12.55	1293902	18.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-55509/14		431213	11.06	2377178	12.88	2146153	18.35

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: CCVIS 200-56177/2 Date Analyzed: 05/24/2013 09:54

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clqh02.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		308509	11.05	1674497	12.88	1553660	18.34
UPPER LIMIT		431913	11.38	2344296	13.21	2175124	18.67
LOWER LIMIT		185105	10.72	1004698	12.55	932196	18.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56177/3		310390	11.05	1708533	12.88	1568069	18.34
MB 200-56177/4		289157	11.05	1608032	12.87	1430254	18.34
200-16615-1	3236	312151	11.05	1740838	12.87	1528761	18.34
200-16615-2	4305	281704	11.05	1598588	12.88	1412067	18.34
200-16615-3	5027	279948	11.05	1572193	12.87	1350977	18.34
200-16615-4	4307	271952	11.05	1540081	12.87	1349063	18.34
200-16615-5	3275	277648	11.05	1544007	12.88	1361445	18.34
200-16615-6	4150	274867	11.05	1530070	12.88	1351268	18.34
200-16615-7	5111	272838	11.05	1534207	12.88	1355604	18.34

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 TO-15

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Sample No.: CCVIS 200-56146/2 Date Analyzed: 05/28/2013 10:03

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): clqi02.d Heated Purge: (Y/N) N

Calibration ID: 21477

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		308660	11.05	1691284	12.88	1452806	18.34
UPPER LIMIT		432124	11.38	2367798	13.21	2033928	18.67
LOWER LIMIT		185196	10.72	1014770	12.55	871684	18.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-56146/3		309336	11.05	1525036	12.88	1191934	18.34
MB 200-56146/4		282960	11.04	1596998	12.87	1406026	18.34
200-16615-8	4554	266490	11.04	1476702	12.87	1324304	18.34
200-16615-10	5021	260376	11.05	1454811	12.87	1283059	18.34
200-16615-11	2945	256860	11.04	1435164	12.87	1250642	18.34
200-16615-12	5164	254230	11.05	1431281	12.87	1235288	18.34

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 TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 Lab Sample ID: 200-16615-1

Matrix: Air Lab File ID: clqh20.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 | Lab Sample ID: 200-16615-1

Matrix: Air | Lab File ID: clqh20.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3236 Lab Sample ID: 200-16615-1

Matrix: Air Lab File ID: clqh20.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 01:41

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-1
Client Smp ID: 3236
Inj Date : 25-MAY-2013 01:41
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-1
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 6
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1362	0.04889	0.0098(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

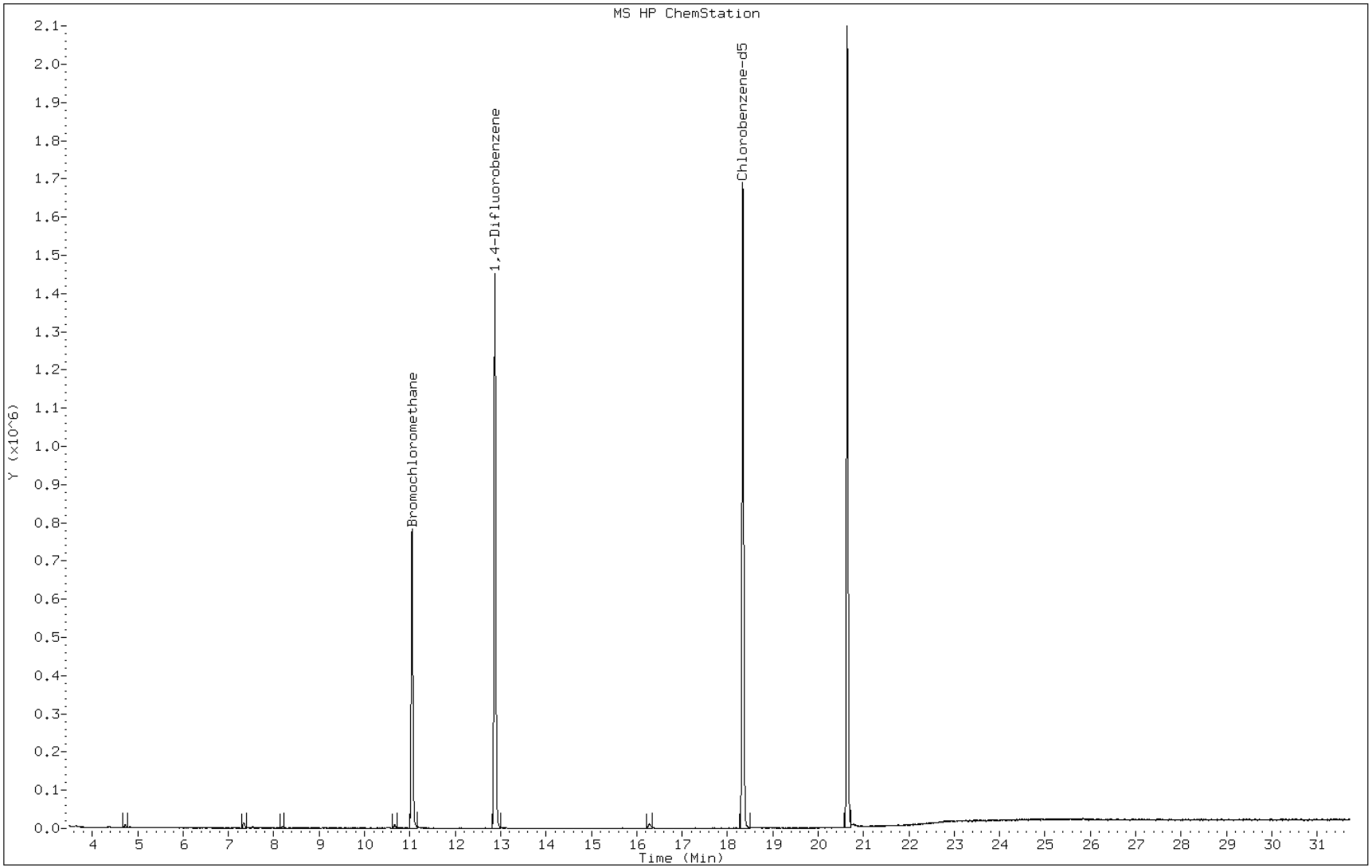
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.664)	24542	0.63521	0.13(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.192	8.198	(0.742)	3424	0.10036	0.020(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	10.674	10.653	(0.966)	4451	0.32358	0.065(aQ)
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	312151	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	12.873	12.883	(1.000)	1740838	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1528761	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh20.d	Date:	25-MAY-2013 01:41
Client ID:	3236	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-1		
Lab Sample ID:	200-16615-1		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 | Lab Sample ID: 200-16615-2

Matrix: Air | Lab File ID: clqh21.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 | Lab Sample ID: 200-16615-2

Matrix: Air | Lab File ID: clqh21.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4305 Lab Sample ID: 200-16615-2

Matrix: Air Lab File ID: clqh21.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 02:36

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-2
Client Smp ID: 4305
Inj Date : 25-MAY-2013 02:36
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-2
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 7
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1014	0.04034	0.0081(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

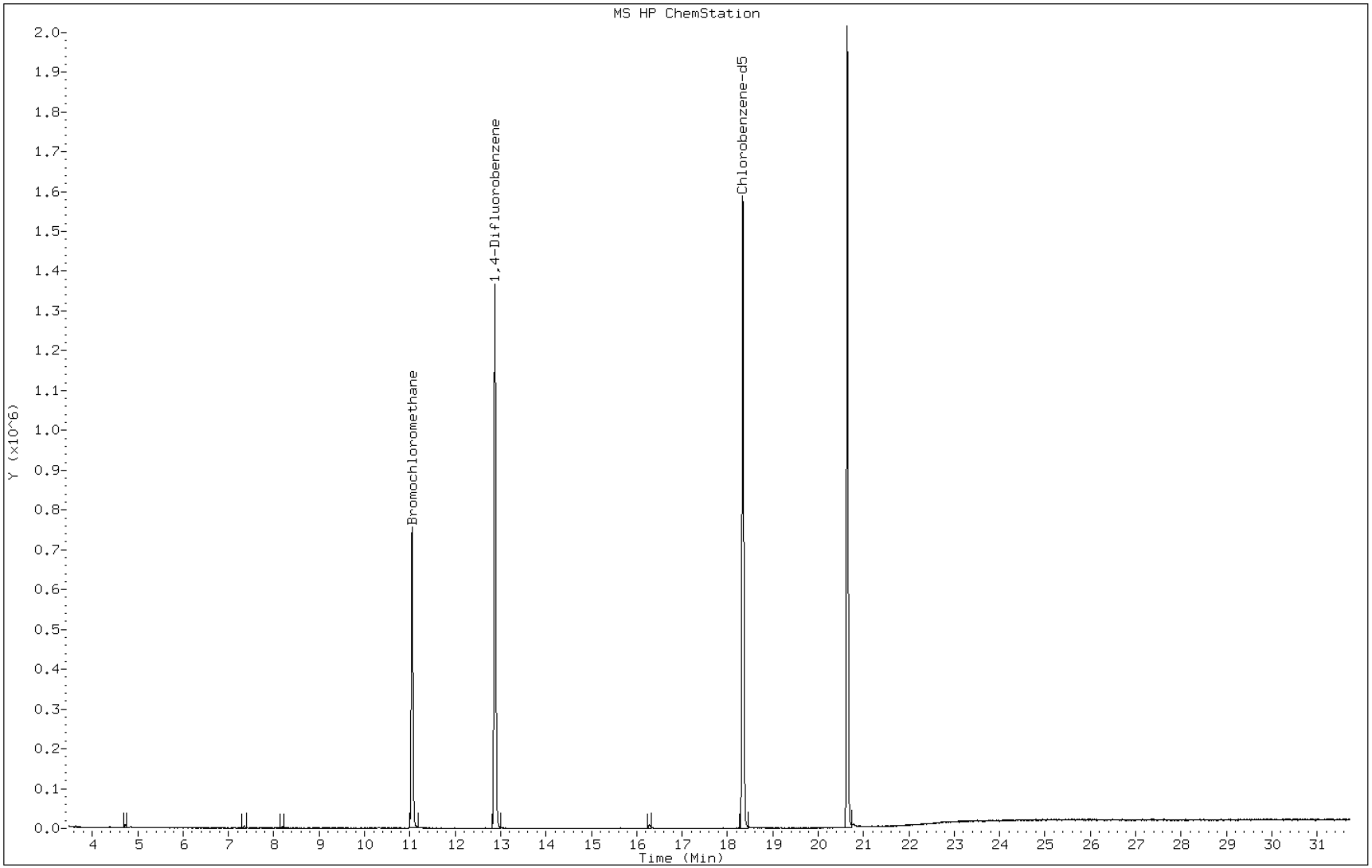
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	9497	0.27237	0.054(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.192	8.198	(0.742)	3280	0.10654	0.021(aM)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	281704	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	12.878	12.883	(1.000)	1598588	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1412067	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	clqh21.d	Date:	25-MAY-2013 02:36
Client ID:	4305	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-2		
Lab Sample ID:	200-16615-2		



Manual Integration Report

Data File: clqh21.d
Lab Sample ID: 200-16615-2
Inj. Date and Time: 25-MAY-2013 02:36
Instrument ID: C.i
Client ID: 4305
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

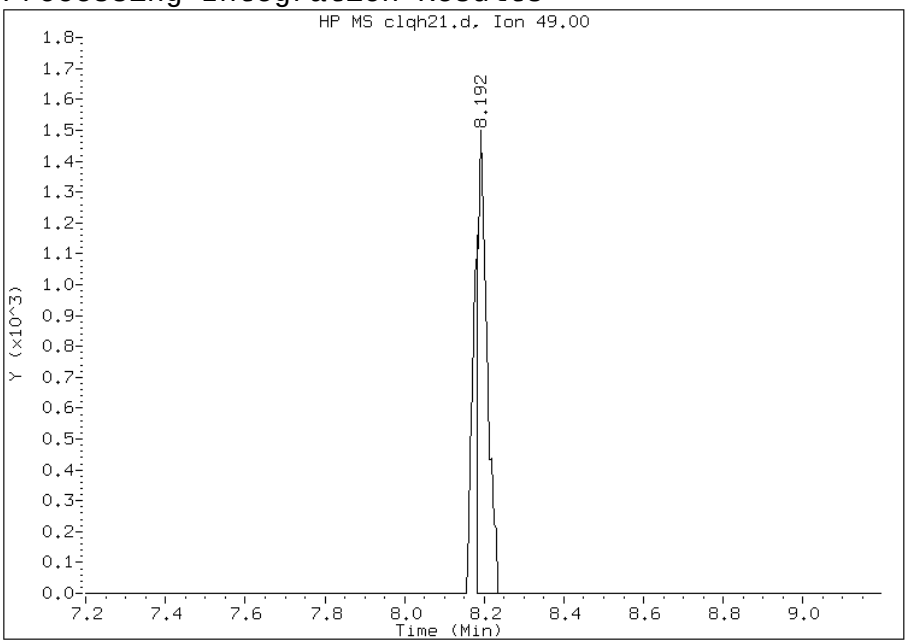
Processing Integration Results

RT: 8.19

Response: 2521

Amount: 0.081894

Conc: 0.016379



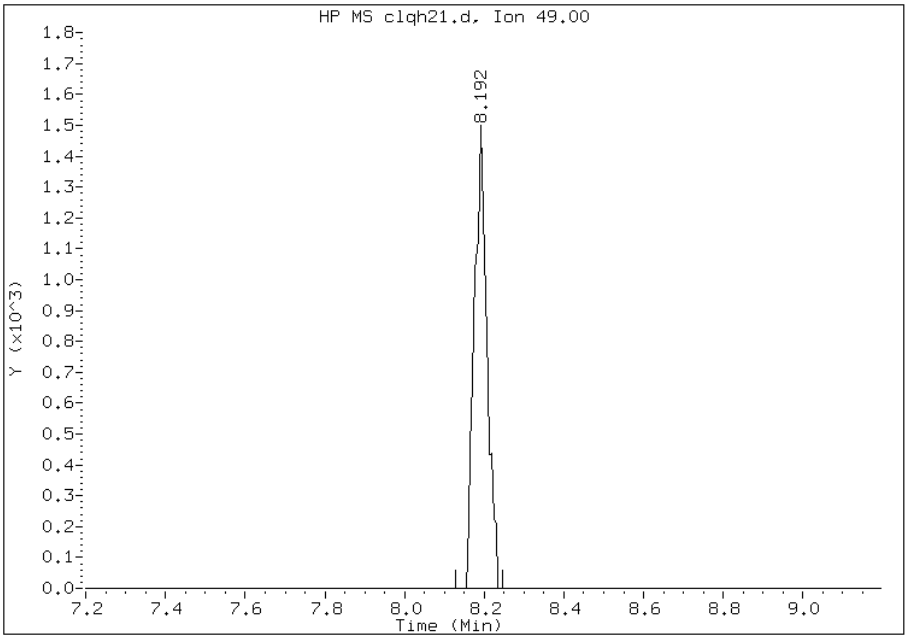
Manual Integration Results

RT: 8.19

Response: 3280

Amount: 0.106535

Conc: 0.021307



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.: 200-16615-1

SDG No.:

Client Sample ID: 5027 | Lab Sample ID: 200-16615-3

Matrix: Air | Lab File ID: clqh22.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5027 | Lab Sample ID: 200-16615-3

Matrix: Air | Lab File ID: clqh22.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5027 Lab Sample ID: 200-16615-3

Matrix: Air Lab File ID: clqh22.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 03:30

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-3
Client Smp ID: 5027
Inj Date : 25-MAY-2013 03:30
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-3
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 8
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1005	0.04025	0.0081(a)
6	Butane	43	4.382	4.387	(0.397)	3346	0.07683	0.015(aQ)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

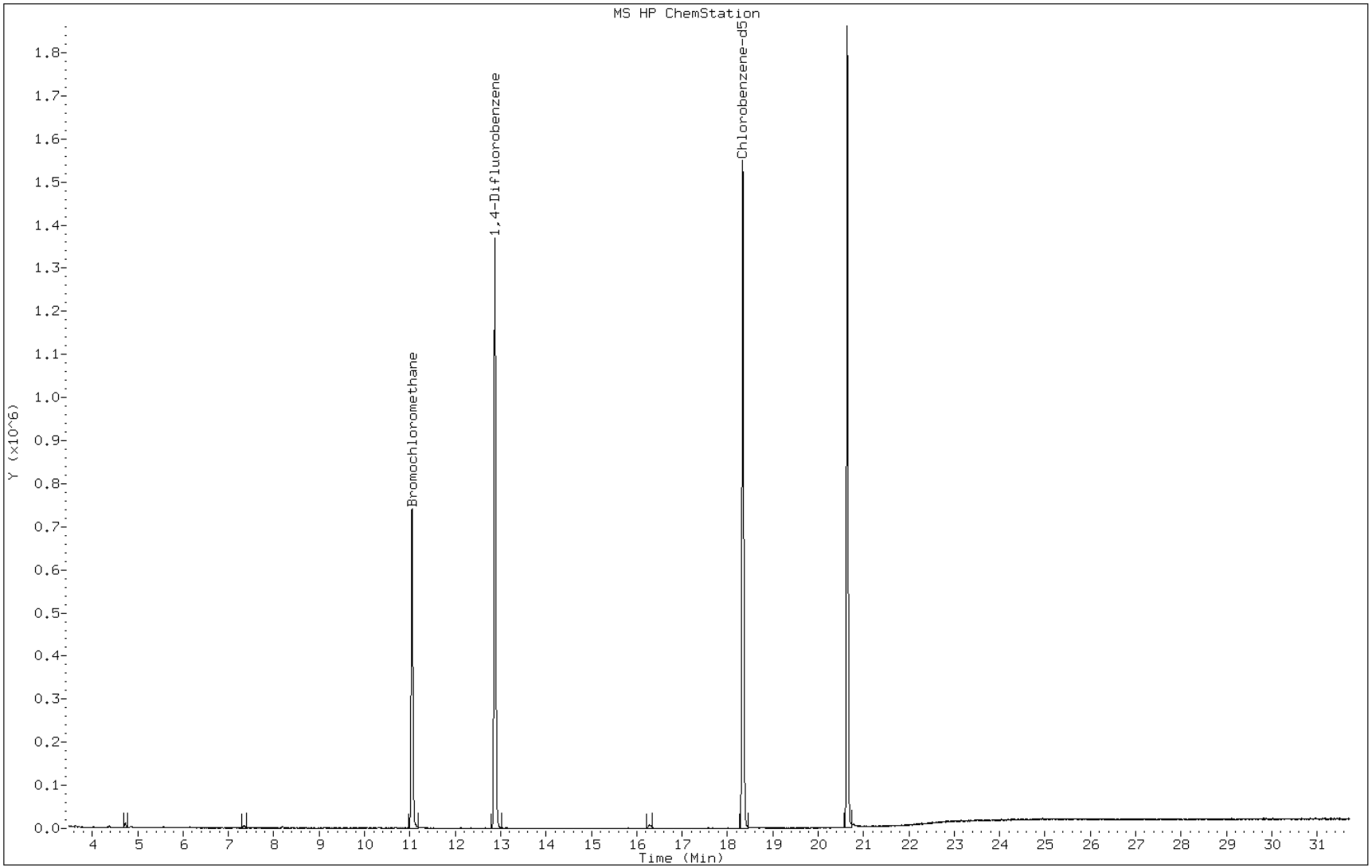
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	10831	0.31259	0.063(aQ)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	279948	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	12.873	12.883	(1.000)	1572193	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1350977	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqh22.d	Date:	25-MAY-2013 03:30
Client ID:	5027	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-3		
Lab Sample ID:	200-16615-3		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 | Lab Sample ID: 200-16615-4

Matrix: Air | Lab File ID: clqh25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 | Lab Sample ID: 200-16615-4

Matrix: Air | Lab File ID: clqh25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4307 Lab Sample ID: 200-16615-4

Matrix: Air Lab File ID: clqh25.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 06:14

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-4
Client Smp ID: 4307
Inj Date : 25-MAY-2013 06:14
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-4
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 11
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1318	0.05431	0.011(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

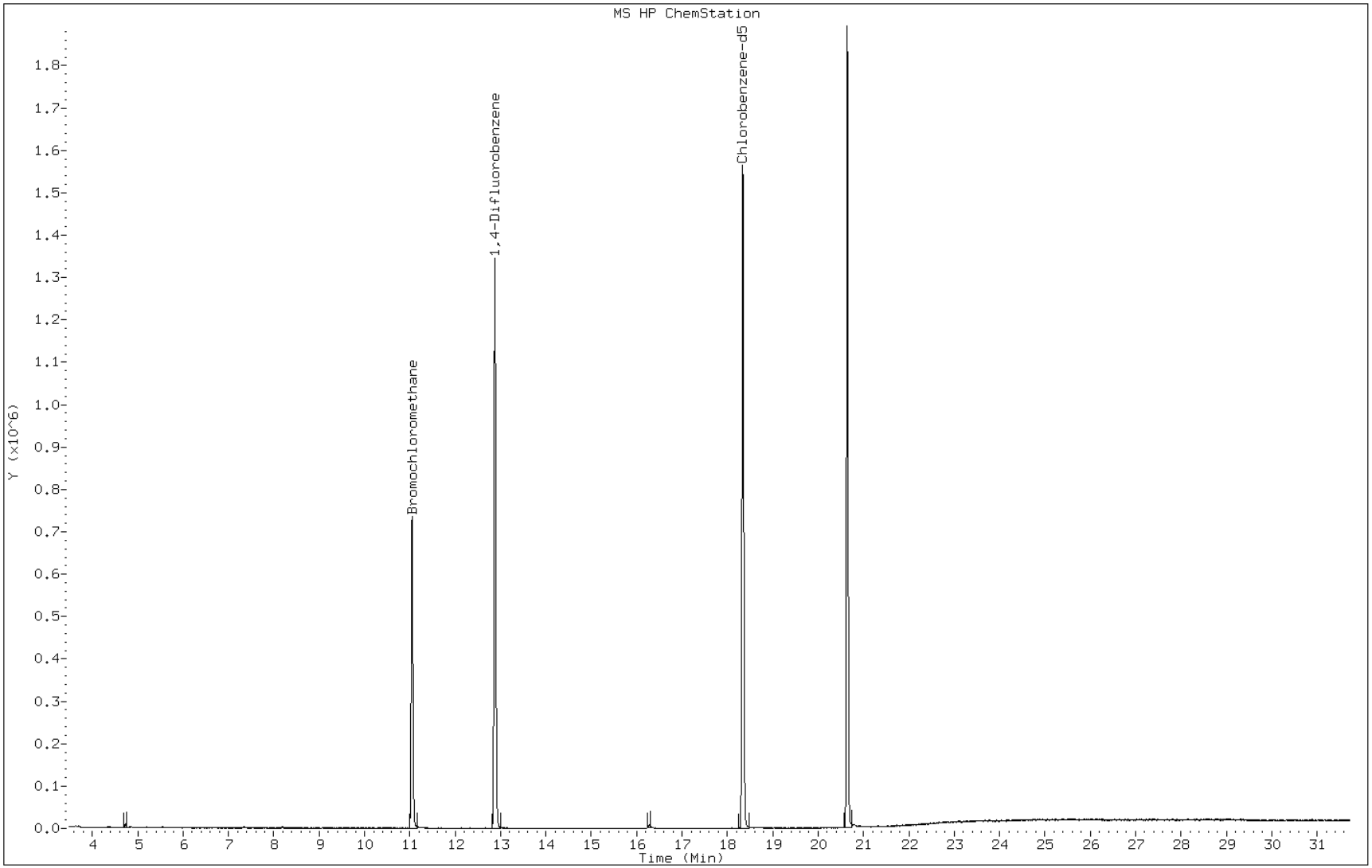
							CONCENTRATIONS	
		QUANT SIG					ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb v/v)	(ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	5363	0.15933	0.032(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3410	0.11472	0.023(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	271952	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	12.873	12.883	(1.000)	1540081	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1349063	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh25.d	Date:	25-MAY-2013 06:14
Client ID:	4307	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-4		
Lab Sample ID:	200-16615-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 Lab Sample ID: 200-16615-5

Matrix: Air Lab File ID: clqh26.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 | Lab Sample ID: 200-16615-5

Matrix: Air | Lab File ID: clqh26.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 3275 Lab Sample ID: 200-16615-5

Matrix: Air Lab File ID: clqh26.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 07:08

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-5
Client Smp ID: 3275
Inj Date : 25-MAY-2013 07:08
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-5
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 12
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1224	0.04940	0.0099(a)
6	Butane	43	4.382	4.387	(0.397)	2912	0.06740	0.013(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

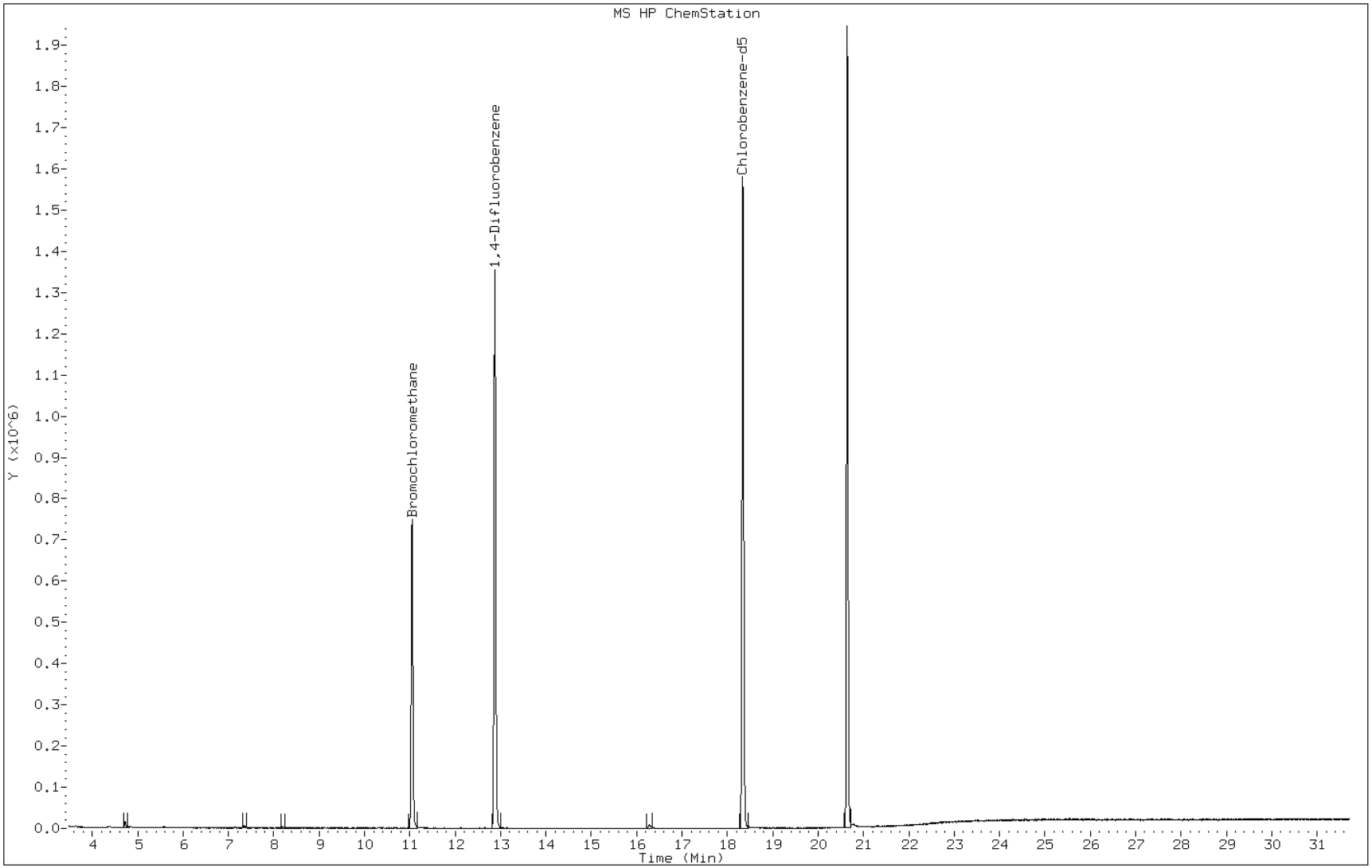
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
19	1,1-Dichloroethene	96	Compound Not Detected.					
20	Acetone	43	7.344	7.328	(0.665)	11897	0.34619	0.069(a)
21	Carbon disulfide	76	Compound Not Detected.					
22	Isopropanol	45	Compound Not Detected.					
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.					
32	Vinyl acetate	43	Compound Not Detected.					
M 33	1,2-Dichloroethene,Total	61	Compound Not Detected.					
34	1,2-Dichloroethene (cis)	96	Compound Not Detected.					
35	Ethyl acetate	88	Compound Not Detected.					
36	Methyl Ethyl Ketone	72	Compound Not Detected.					
* 37	Bromochloromethane	128	11.048	11.058	(1.000)	277648	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	12.878	12.883	(1.000)	1544007	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.					
62	2-Hexanone	43	Compound Not Detected.					
63	Dibromochloromethane	129	Compound Not Detected.					
64	1,2-Dibromoethane	107	Compound Not Detected.					
* 65	Chlorobenzene-d5	117	18.338	18.348	(1.000)	1361445	10.0000	
66	Chlorobenzene	112	Compound Not Detected.					
68	Ethylbenzene	91	Compound Not Detected.					
69	Xylene (m,p)	106	Compound Not Detected.					
M 70	Xylenes, Total	106	Compound Not Detected.					
71	Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh26.d	Date:	25-MAY-2013 07:08
Client ID:	3275	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-5		
Lab Sample ID:	200-16615-5		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 | Lab Sample ID: 200-16615-6

Matrix: Air | Lab File ID: clqh27.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 | Lab Sample ID: 200-16615-6

Matrix: Air | Lab File ID: clqh27.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4150 Lab Sample ID: 200-16615-6

Matrix: Air Lab File ID: clqh27.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:02

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-6
Client Smp ID: 4150
Inj Date : 25-MAY-2013 08:02
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-6
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 13
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1180	0.04811	0.0096(a)
6	Butane	43	4.387	4.387	(0.397)	10674	0.24956	0.050(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

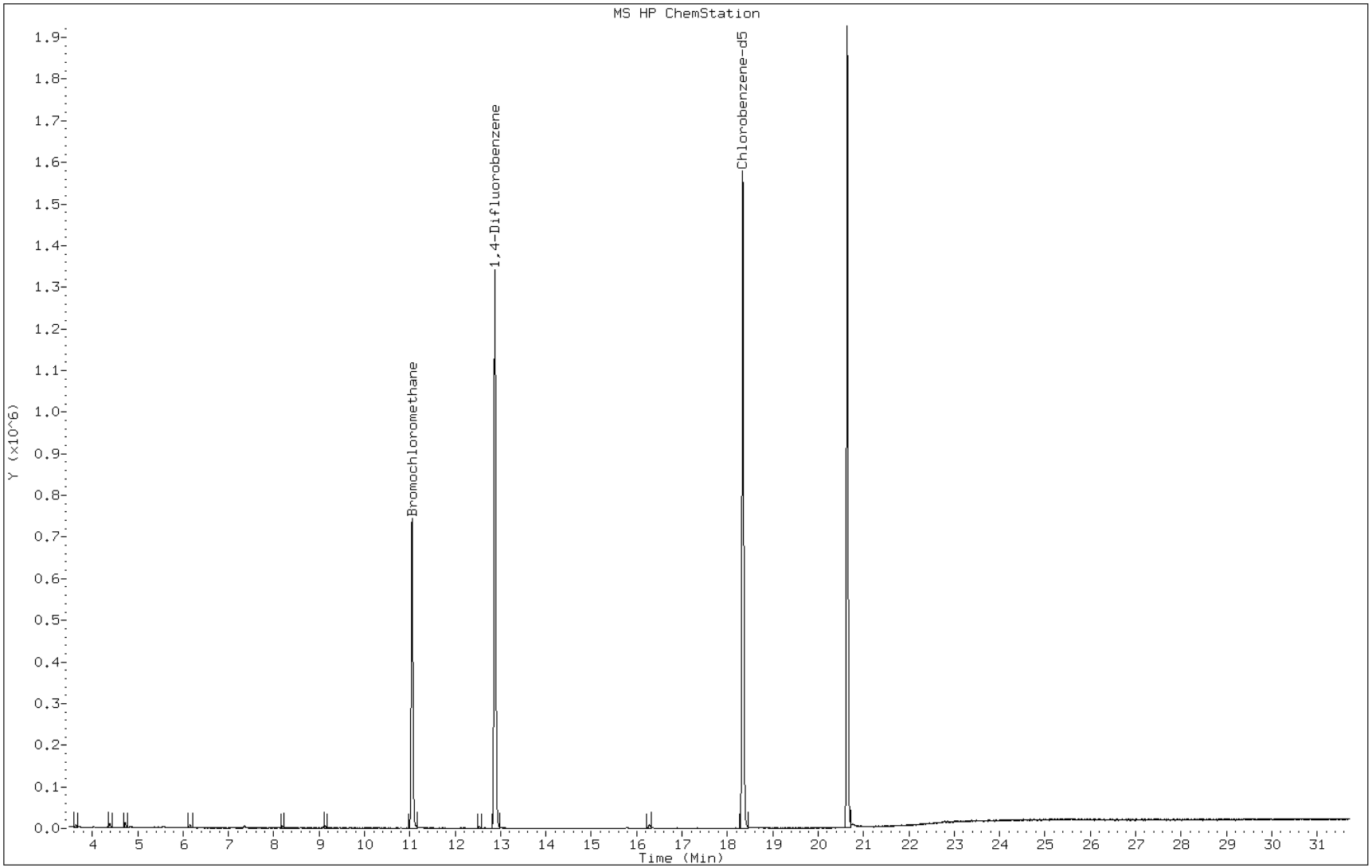
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	9854	0.28964	0.058(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	3402	0.11327	0.023(aM)
	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	9.126	9.132	(0.826)	3173	0.06930	0.014(aQ)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	274867	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	12.531	12.537	(0.973)	2416	0.04694	0.0094(a)
*	47 1,4-Difluorobenzene	114	12.878	12.883	(1.000)	1530070	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1351268	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

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:	clqh27.d	Date:	25-MAY-2013 08:02
Client ID:	4150	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-6		
Lab Sample ID:	200-16615-6		



Manual Integration Report

Data File: clqh27.d
Lab Sample ID: 200-16615-6
Inj. Date and Time: 25-MAY-2013 08:02
Instrument ID: C.i
Client ID: 4150
Compound: 25 Methylene chloride
CAS #: 75-09-2
Report Date: 05/29/2013

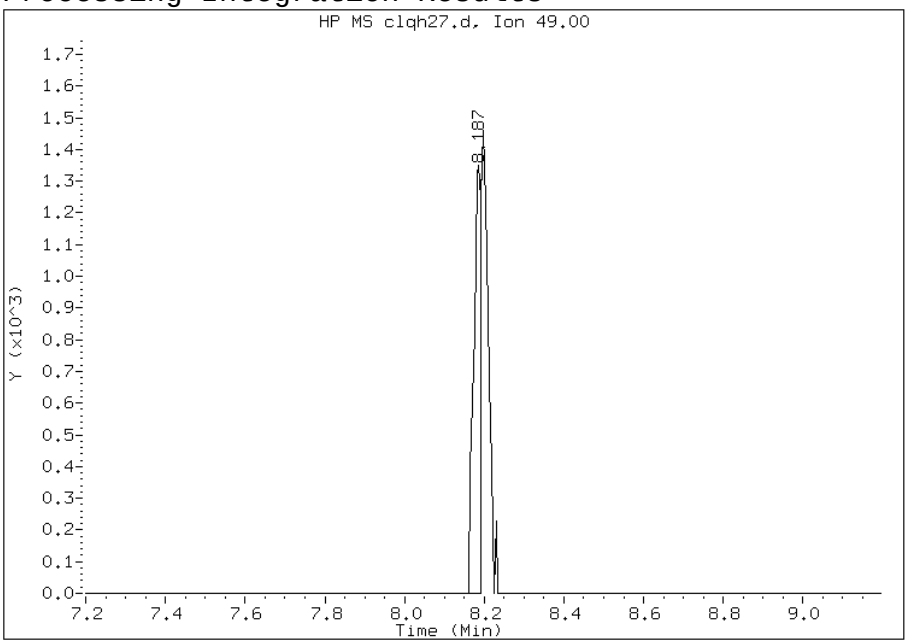
Processing Integration Results

RT: 8.19

Response: 1836

Amount: 0.061112

Conc: 0.012222



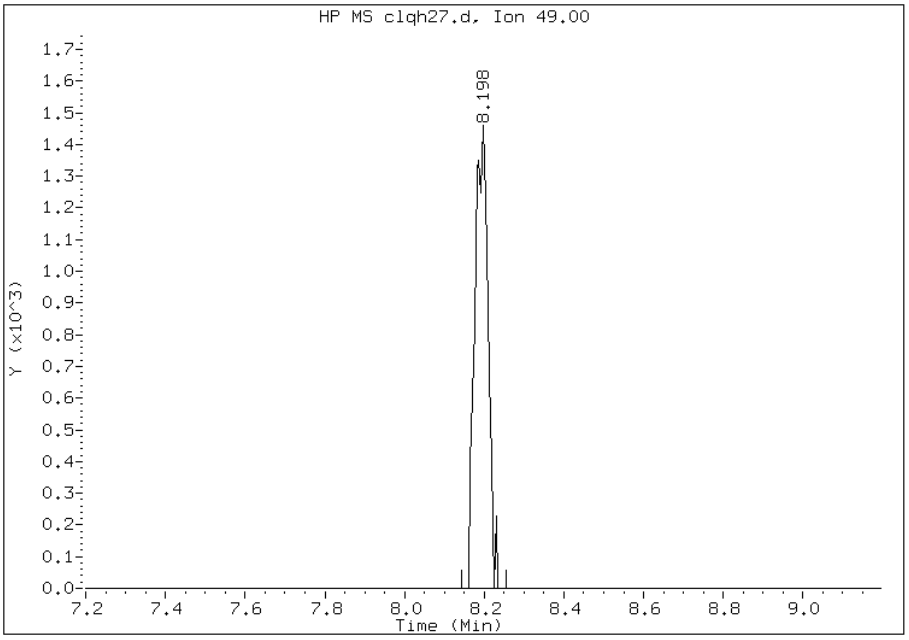
Manual Integration Results

RT: 8.20

Response: 3402

Amount: 0.113267

Conc: 0.022653



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.: 200-16615-1

SDG No.:

Client Sample ID: 5111 Lab Sample ID: 200-16615-7

Matrix: Air Lab File ID: clqh28.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5111 | Lab Sample ID: 200-16615-7

Matrix: Air | Lab File ID: clqh28.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56177 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5111 Lab Sample ID: 200-16615-7

Matrix: Air Lab File ID: clqh28.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/25/2013 08:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56177 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-7
Client Smp ID: 5111
Inj Date : 25-MAY-2013 08:55
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-7
Misc Info : 1000,0.2,all74+mn
Comment :
Method : /chem/C.i/Csvr.p/clqhto15.b/to15v5.m
Meth Date : 24-May-2013 11:17 wrd Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 14
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1413	0.05803	0.012(a)
6	Butane	43	4.382	4.387	(0.397)	7199	0.16956	0.034(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

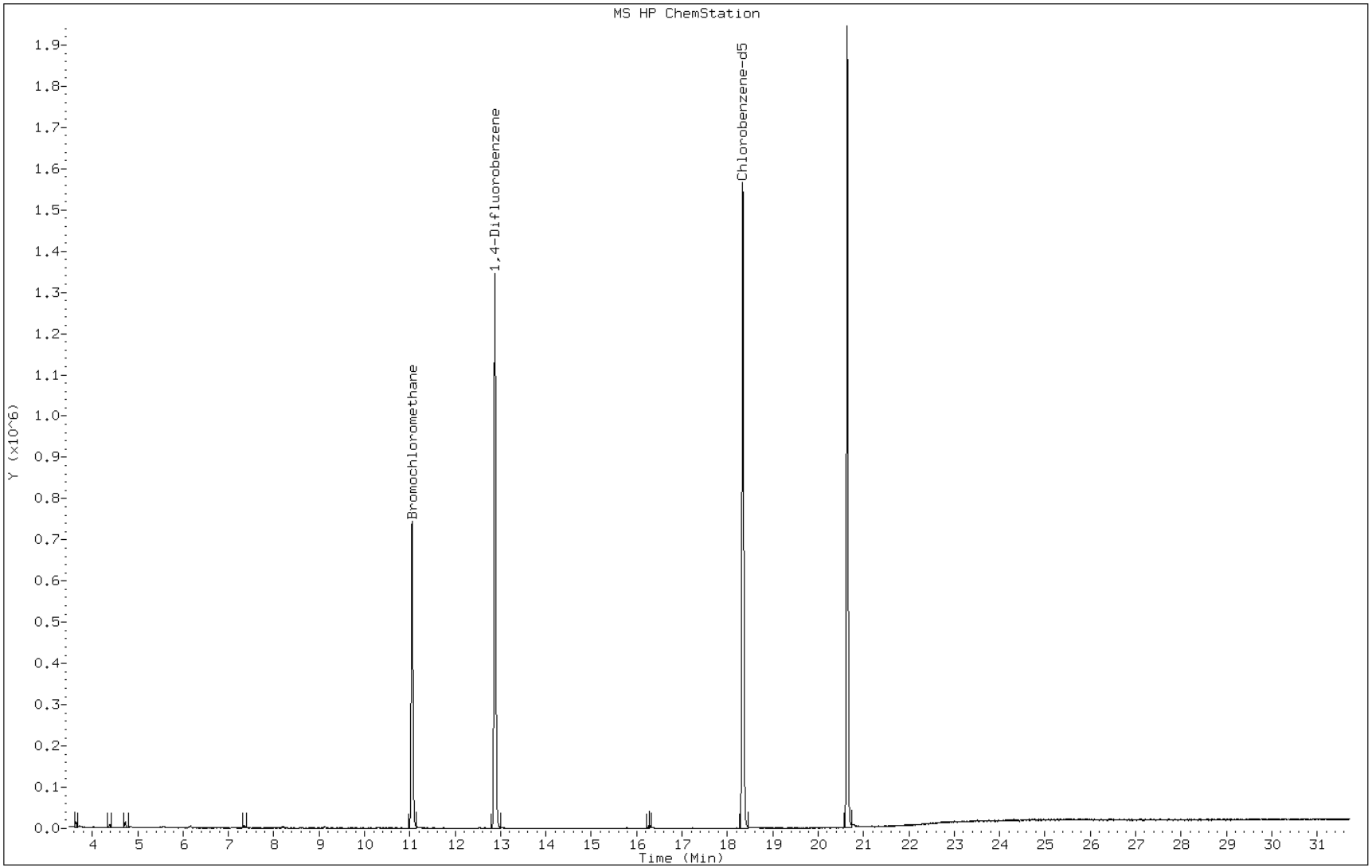
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.349	7.328	(0.665)	11721	0.34708	0.069(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.048	11.058	(1.000)	272838	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	12.878	12.883	(1.000)	1534207	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1355604	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqh28.d	Date:	25-MAY-2013 08:55
Client ID:	5111	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-7		
Lab Sample ID:	200-16615-7		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 4554 Lab Sample ID: 200-16615-8

Matrix: Air Lab File ID: clqi13.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 19:54

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-8
Client Smp ID: 4554
Inj Date : 28-MAY-2013 19:54
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-8
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 14
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.136	4.147	(0.375)	1439	0.06051	0.012(a)
6	Butane	43	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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

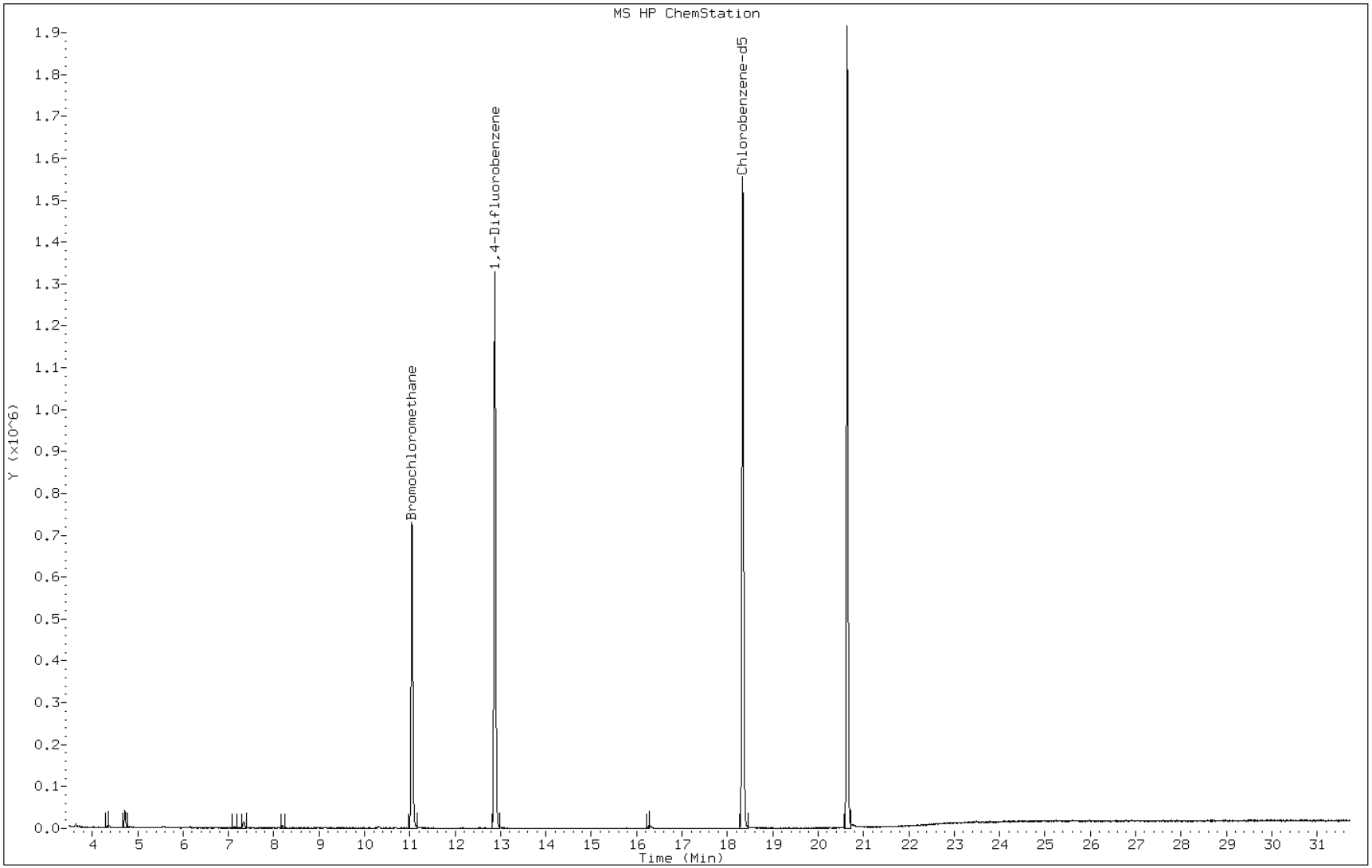
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.665)	27792	0.84258	0.17(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.187	8.198	(0.741)	3960	0.13595	0.027(a)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	266490	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	12.873	12.883	(1.000)	1476702	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1324304	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	clqi13.d	Date:	28-MAY-2013 19:54
Client ID:	4554	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-8		
Lab Sample ID:	200-16615-8		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 Lab Sample ID: 200-16615-10

Matrix: Air Lab File ID: clqi15.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 | Lab Sample ID: 200-16615-10

Matrix: Air | Lab File ID: clqi15.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5021 Lab Sample ID: 200-16615-10

Matrix: Air Lab File ID: clqi15.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/28/2013 21:42

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-10
Client Smp ID: 5021
Inj Date : 28-MAY-2013 21:42
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-10
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 16
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.141	4.147	(0.375)	1518	0.06533	0.013(a)
6	Butane	43	4.376	4.387	(0.396)	3059	0.07550	0.015(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

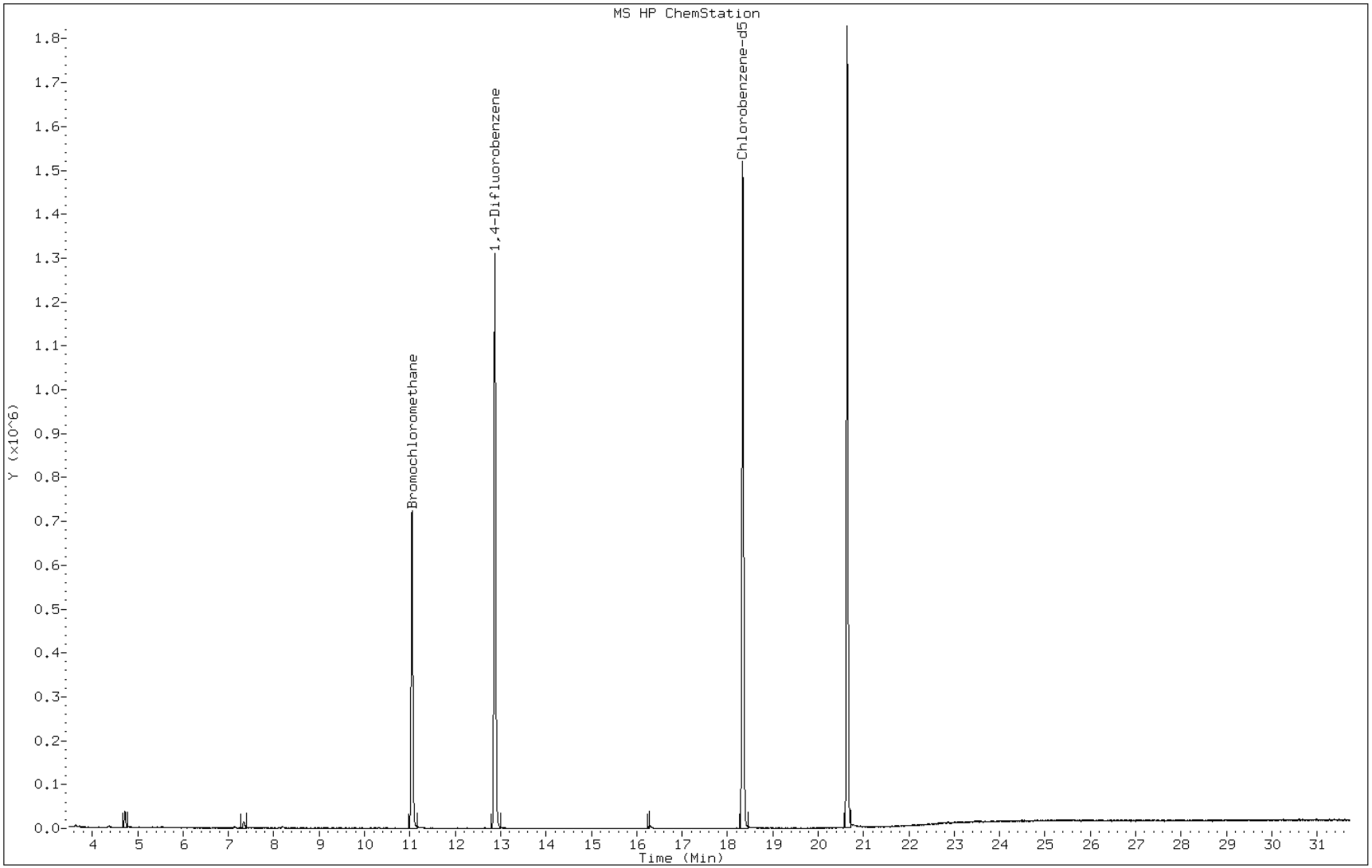
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.338	7.328	(0.664)	28306	0.87831	0.18(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.187	8.198	(0.741)	3541	0.12442	0.025(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	260376	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	12.873	12.883	(1.000)	1454811	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1283059	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqi15.d	Date:	28-MAY-2013 21:42
Client ID:	5021	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-10		
Lab Sample ID:	200-16615-10		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 | Lab Sample ID: 200-16615-11

Matrix: Air | Lab File ID: clqi24.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 | Lab Sample ID: 200-16615-11

Matrix: Air | Lab File ID: clqi24.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 2945 Lab Sample ID: 200-16615-11

Matrix: Air Lab File ID: clqi24.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/29/2013 05:35

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-11
Client Smp ID: 2945
Inj Date : 29-MAY-2013 05:35
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-11
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 10
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.142	4.147	(0.375)	1240	0.05412	0.011(a)
6	Butane	43	4.376	4.387	(0.396)	2083	0.05213	0.010(a)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

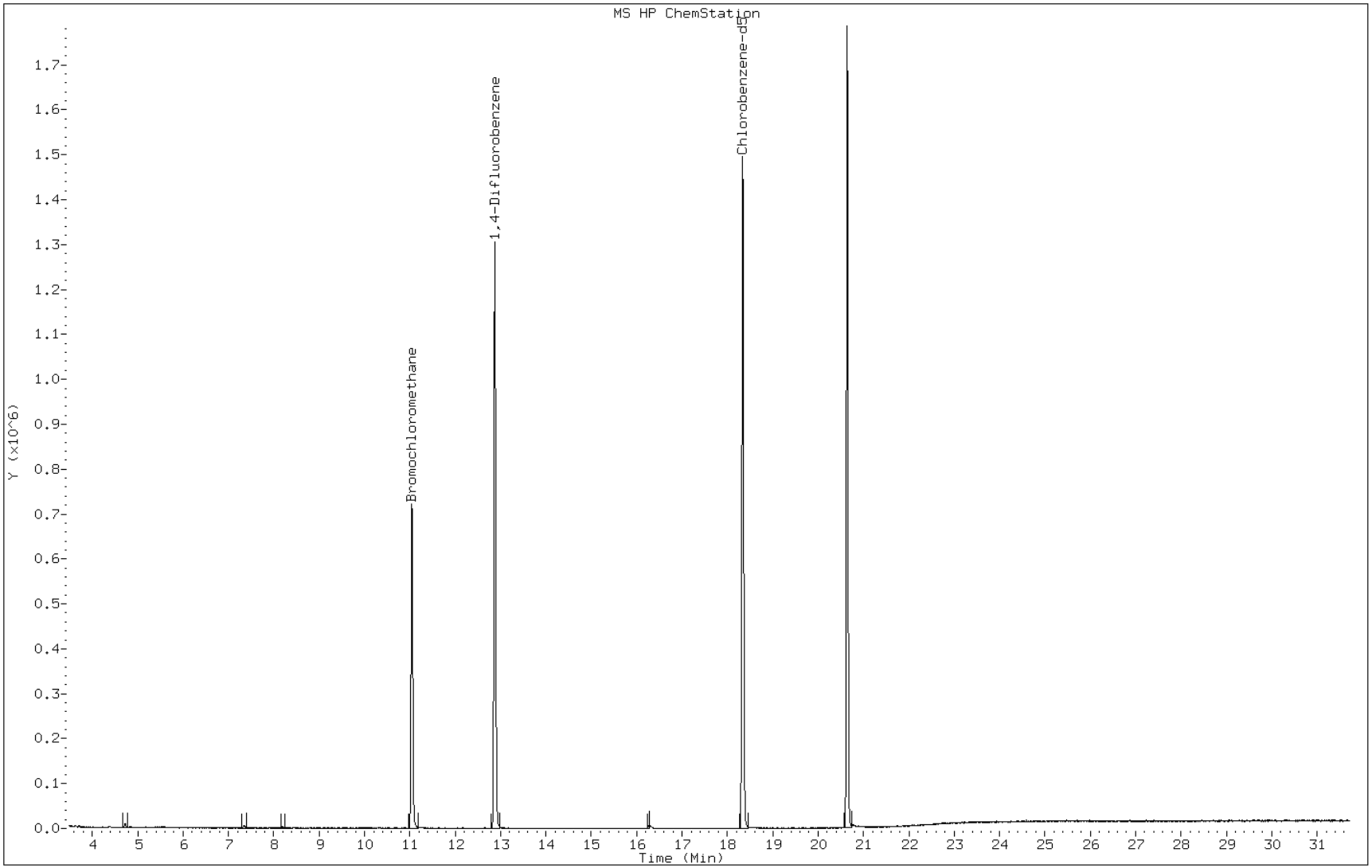
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.354	7.328	(0.666)	9412	0.29606	0.059(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.182	8.198	(0.741)	3590	0.12790	0.026(aQ)
	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.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.042	11.058	(1.000)	256860	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	12.873	12.883	(1.000)	1435164	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1250642	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	clqi24.d	Date:	29-MAY-2013 05:35
Client ID:	2945	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-11		
Lab Sample ID:	200-16615-11		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 | Lab Sample ID: 200-16615-12

Matrix: Air | Lab File ID: clqi25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 | Lab Sample ID: 200-16615-12

Matrix: Air | Lab File ID: clqi25.d

Analysis Method: TO-15 | Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

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

Analysis Batch No.: 56146 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U *	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U *	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U *	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Client Sample ID: 5164 Lab Sample ID: 200-16615-12

Matrix: Air Lab File ID: clqi25.d

Analysis Method: TO-15 Date Collected: 05/23/2013 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/29/2013 06:30

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 56146 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U *	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-16615-12
Client Smp ID: 5164
Inj Date : 29-MAY-2013 06:30
Operator : wrd Inst ID: C.i
Smp Info : 200-16615-A-12
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/C.i/Csvr.p/clqito15.b/to15v5.m
Meth Date : 28-May-2013 11:28 lyonsb Quant Type: ISTD
Cal Date : 13-MAY-2013 05:58 Cal File: clq11.d
Als bottle: 11
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	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)
1	Propene	41	Compound Not Detected.					
2	Dichlorodifluoromethane	85	Compound Not Detected.					
3	Chlorodifluoromethane	51	Compound Not Detected.					
4	1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5	Chloromethane	50	4.147	4.147	(0.375)	1389	0.06122	0.012(a)
6	Butane	43	4.382	4.387	(0.397)	6417	0.16221	0.032(aQ)
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.					
15	Ethanol	45	Compound Not Detected.					
17	1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

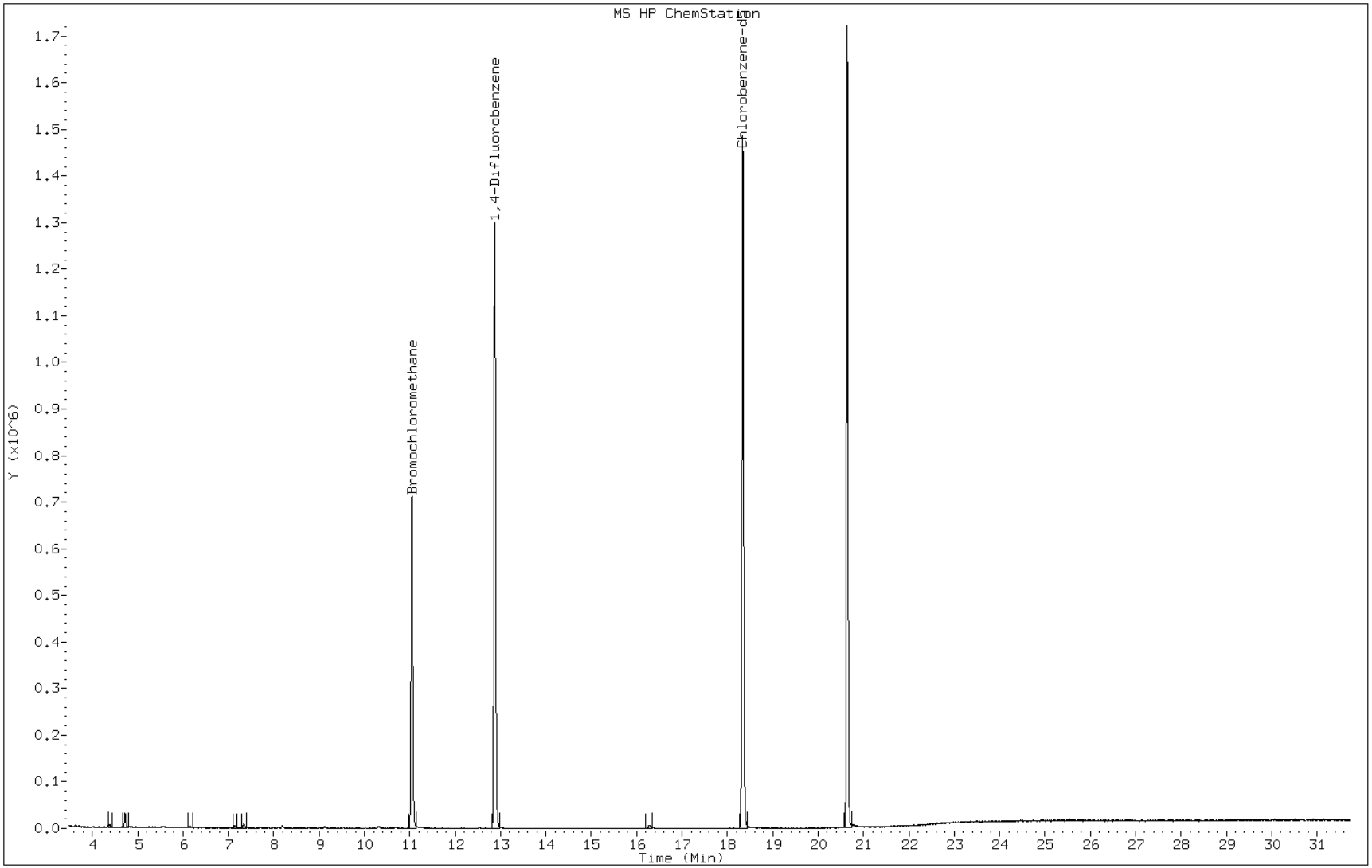
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.344	7.328	(0.665)	17059	0.54212	0.11(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.198	8.198	(0.742)	4419	0.15903	0.032(a)
	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	9.121	9.132	(0.826)	2038	0.04815	0.0096(aQM)
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.047	11.058	(1.000)	254230	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	12.873	12.883	(1.000)	1431281	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.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	18.338	18.348	(1.000)	1235288	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	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.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	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.					
96 Naphthalene	128	Compound Not Detected.					

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:	clqi25.d	Date:	29-MAY-2013 06:30
Client ID:	5164	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-16615-A-12		
Lab Sample ID:	200-16615-12		



Manual Integration Report

Data File: clqi25.d
Lab Sample ID: 200-16615-12
Inj. Date and Time: 29-MAY-2013 06:30
Instrument ID: C.i
Client ID: 5164
Compound: 30 n-Hexane
CAS #: 110-54-3
Report Date: 05/29/2013

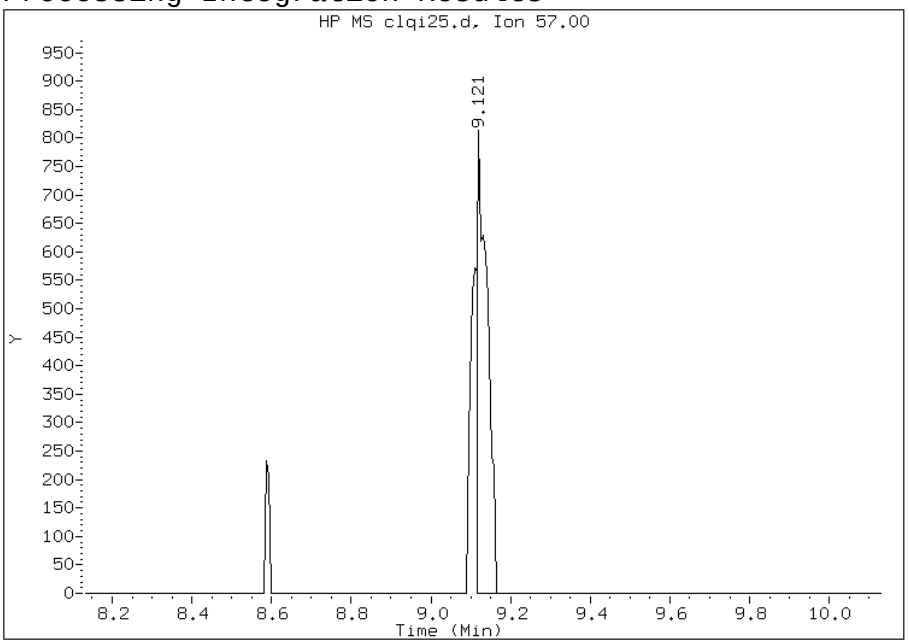
Processing Integration Results

RT: 9.12

Response: 1480

Amount: 0.034950

Conc: 0.006990



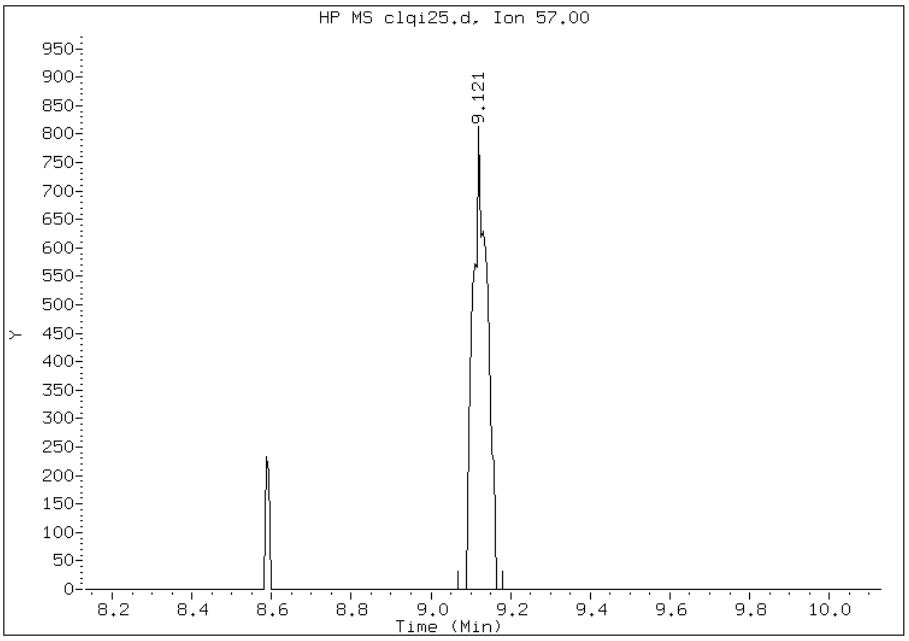
Manual Integration Results

RT: 9.12

Response: 2038

Amount: 0.048145

Conc: 0.009629



File Uploaded By: lyonsb
Manual Integration Reason: Baseline event

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55509/4	clq04.d
Level 2	IC 200-55509/5	clq05.d
Level 3	IC 200-55509/6	clq06.d
Level 4	IC 200-55509/7	clq07.d
Level 5	ICIS 200-55509/8	clq08.d
Level 6	IC 200-55509/9	clq09.d
Level 7	IC 200-55509/10	clq10.d
Level 8	IC 200-55509/11	clq11.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								
Propylene	+++++ 0.6993	+++++ 0.6618	+++++ 0.6030	0.7715	0.7479	Ave		0.6967				9.7		30.0			
Dichlorodifluoromethane	+++++ 3.1391	+++++ 3.0759	3.3656 2.9515	3.2507	3.2580	Ave		3.1735				4.7		30.0			
Freon 22	+++++ 1.5793	+++++ 1.5322	1.7659 1.4314	1.7122	1.6729	Ave		1.6156				7.7		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 3.0945	3.2340 2.9899	3.2253 2.7867	3.2090	3.2011	Ave		3.1058				5.4		30.0			
Chloromethane	+++++ 0.8599	+++++ 0.8148	1.0740 0.7565	0.9417	0.9074	Ave		0.8924				12.4		30.0			
n-Butane	+++++ 1.5090	+++++ 1.4167	1.8955 1.2801	1.6360	1.5992	Ave		1.5561				13.5		30.0			
Vinyl chloride	1.1366 1.0175	1.0850 0.9773	1.0978 0.9018	1.0785	1.0711	Ave		1.0457				7.3		30.0			
1,3-Butadiene	+++++ 0.7710	0.7924 0.7356	0.7818 0.6827	0.8012	0.8043	Ave		0.7670				5.7		30.0			
Bromomethane	+++++ 0.9505	0.9622 0.9269	1.0277 0.8792	0.9985	0.9832	Ave		0.9612				5.1		30.0			
Chloroethane	+++++ 0.4981	+++++ 0.4816	0.5421 0.4442	0.5407	0.5247	Ave		0.5052				7.6		30.0			
Isopentane	+++++ 1.0478	1.3024 0.9914	1.2677 0.9048	1.1640	1.1300	Ave		1.1154				12.9		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.0526	0.9831 1.0227	1.0389 0.9870	1.0454	1.0546	Ave		1.0263				2.9		30.0			
Trichlorofluoromethane	+++++ 3.2260	3.1494 3.2110	3.2420 3.1674	3.2486	3.2880	Ave		3.2189				1.5		30.0			
n-Pentane	+++++ 1.7770	+++++ 1.6957	2.0349 1.5624	1.9007	1.8705	Ave		1.8069				9.2		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
Ethanol	+++++ 0.2355	+++++ 0.3204	0.3496 0.3069	0.2887	0.2958	Ave		0.2995				12.7		30.0			
Ethyl ether	+++++ 0.4690	0.5714 0.5985	0.6402 0.6018	0.5718	0.6787	Ave		0.5902				11.1		30.0			
Acrolein	+++++ 0.1975	+++++ 0.2835	+++++ 0.2791	0.2667	0.3214	Ave		0.2697				16.8		30.0			
Freon TF	+++++ 2.0915	2.0273 2.0563	2.1035 1.9614	2.1370	2.1592	Ave		2.0766				3.3		30.0			
1,1-Dichloroethene	+++++ 1.0605	1.0246 0.9758	0.9752 0.9204	1.0247	1.0285	Ave		1.0014				4.7		30.0			
Acetone	+++++ 0.9528	+++++ 1.1556	+++++ 1.1440	1.5724	1.3637	Ave		1.2377				19.1		30.0			
Carbon disulfide	+++++ 3.0643	+++++ 2.9883	3.0989 2.8740	3.3032	3.1718	Ave		3.0834				4.8		30.0			
Isopropyl alcohol	+++++ 0.8517	+++++ 0.9807	+++++ 0.9577	0.9754	0.9950	Ave		0.9521				6.1		30.0			
3-Chloropropene	+++++ 1.1529	1.3075 1.1143	1.2349 1.0839	1.3647	1.3285	Ave		1.2267				9.1		30.0			
Acetonitrile	+++++ 0.4560	+++++ 0.6721	+++++ 0.6732	0.5837	0.6556	Ave		0.6081				15.2		30.0			
Methylene Chloride	+++++ 1.0394	+++++ 1.0037	1.3307 0.9292	1.1376	1.1174	Ave		1.0930				12.7		30.0			
tert-Butyl alcohol	+++++ 1.3933	+++++ 1.5728	+++++ 1.5753	1.5468	1.5397	Ave		1.5256				5.0		30.0			
trans-1,2-Dichloroethene	+++++ 1.5219	1.5251 1.4669	1.5740 1.3533	1.6112	1.6057	Ave		1.5226				5.9		30.0			
Methyl tert-butyl ether	+++++ 2.0239	2.6618 2.4652	2.6493 2.5337	2.2740	2.7448	Ave		2.4790				10.2		30.0			
Acrylonitrile	+++++ 0.4899	+++++ 0.5717	0.5891 0.5691	0.5406	0.6505	Ave		0.5685				9.3		30.0			
n-Hexane	+++++ 1.6259	1.8299 1.5538	1.7841 1.4336	1.7139	1.7183	Ave		1.6657				8.3		30.0			
1,1-Dichloroethane	2.1723 1.9297	1.9877 1.8805	1.9619 1.7736	2.0239	2.0398	Ave		1.9712				6.0		30.0			
Vinyl acetate	+++++ 1.4815	+++++ 1.8600	+++++ 1.8926	1.7612	2.1661	Ave		1.8323				13.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.1270	1.1170 1.1036	1.1383 1.0554	1.1363	1.1672	Ave		1.1207				3.1		30.0			
Methyl Ethyl Ketone	+++++ 0.3316	+++++ 0.3912	0.6837 0.4025	0.3797	0.4553	Ave		0.4407				28.5		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
Ethyl acetate	+++++ 0.0572	+++++ 0.0699	+++++ 0.0756	0.0609	0.0807	Ave		0.0689				14.2		30.0			
Tetrahydrofuran	+++++ 0.1247	+++++ 0.1511	+++++ 0.1530	0.1581	0.1736	Ave		0.1521				11.6		30.0			
Chloroform	+++++ 2.4438	2.3953 2.4139	2.4572 2.3245	2.5055	2.5358	Ave		2.4394				2.9		30.0			
1,1,1-Trichloroethane	+++++ 0.5099	0.4790 0.5137	0.4949 0.5096	0.5302	0.5131	Ave		0.5072				3.2		30.0			
Cyclohexane	+++++ 0.2834	0.2760 0.2789	0.2870 0.2633	0.3041	0.2889	Ave		0.2831				4.4		30.0			
Carbon tetrachloride	0.5019 0.5445	0.4572 0.5512	0.4910 0.5630	0.5480	0.5427	Ave		0.5249				7.1		30.0			
Benzene	+++++ 0.5920	0.6470 0.6076	0.6455 0.5688	0.6690	0.6373	Ave		0.6239				5.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.9317	0.9541 0.9076	0.9649 0.8368	1.0390	0.9819	Ave		0.9451				6.7		30.0			
1,2-Dichloroethane	+++++ 0.2780	0.2753 0.2957	0.2943 0.2828	0.3168	0.3022	Ave		0.2922				5.0		30.0			
n-Heptane	+++++ 0.3270	0.3410 0.3178	0.3607 0.2872	0.3730	0.3482	Ave		0.3364				8.5		30.0			
n-Butanol	+++++ 0.0681	+++++ 0.0871	+++++ 0.0854	0.0741	0.0785	Ave		0.0786				10.0		30.0			
Trichloroethene	0.3394 0.3170	0.2754 0.2969	0.2884 0.2862	0.3154	0.3003	Ave		0.3023				6.8		30.0			
1,2-Dichloropropane	+++++ 0.1771	0.2121 0.2038	0.2223 0.1861	0.2195	0.2215	Ave		0.2061				8.8		30.0			
Methyl methacrylate	+++++ 0.1269	+++++ 0.1580	0.1328 0.1727	0.1310	0.1756	Ave		0.1495				14.7		30.0			
Dibromomethane	+++++ 0.2364	0.2126 0.2605	0.2116 0.2658	0.2495	0.2499	Ave		0.2409				9.0		30.0			
1,4-Dioxane	+++++ 0.0614	+++++ 0.0772	+++++ 0.0735	0.0795	0.0805	Ave		0.0744				10.4		30.0			
Bromodichloromethane	+++++ 0.4322	0.3942 0.5030	0.4270 0.4812	0.5035	0.5081	Ave		0.4642				9.9		30.0			
cis-1,3-Dichloropropene	+++++ 0.2619	0.2865 0.3314	0.3087 0.3189	0.3241	0.3467	Ave		0.3112				9.2		30.0			
methyl isobutyl ketone	+++++ 0.2524	+++++ 0.2919	0.2453 0.2984	0.2810	0.3042	Ave		0.2789				8.8		30.0			
Toluene	+++++ 0.3676	0.4416 0.5158	0.4824 0.4372	0.5249	0.4875	Ave		0.4653				11.7		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 CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
n-Octane	+++++ 0.3269	0.4486 0.4014	0.4610 0.3624	0.4641	0.4619	Ave		0.4180				13.3		30.0			
trans-1,3-Dichloropropene	+++++ 0.2457	0.2514 0.3307	0.2775 0.3338	0.3006	0.3439	Ave		0.2977				13.6		30.0			
1,1,2-Trichloroethane	+++++ 0.1756	0.2086 0.2520	0.2332 0.2095	0.2577	0.2391	Ave		0.2251				12.8		30.0			
Tetrachloroethene	0.4196 0.4034	0.3915 0.5150	0.4188 0.4443	0.5205	0.4413	Ave		0.4443				10.9		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2764	+++++ 0.3651	0.2545 0.3178	0.3472	0.3101	Ave		0.3119				13.4		30.0			
Dibromochloromethane	+++++ 0.4103	0.3481 0.6168	0.3935 0.5451	0.5646	0.5377	Ave		0.4880				20.9		30.0			
1,2-Dibromoethane	+++++ 0.3391	0.3201 0.5014	0.3819 0.4297	0.4863	0.4553	Ave		0.4163				17.1		30.0			
Chlorobenzene	+++++ 0.4751	0.5885 0.7076	0.6360 0.6119	0.7041	0.6492	Ave		0.6246				12.7		30.0			
Ethylbenzene	+++++ 0.7460	0.8594 1.0754	0.9615 0.9765	1.0405	1.0229	Ave		0.9546				12.1		30.0			
n-Nonane	+++++ 0.3147	0.3796 0.4532	0.4325 0.3676	0.4896	0.4602	Ave		0.4139				14.9		30.0			
m,p-Xylene	+++++ 0.2930	0.3246 0.4137	0.3662 0.3649	0.4076	0.3969	Ave		0.3667				12.2		30.0			
Xylene, o-	+++++ 0.2886	0.3144 0.4034	0.3578 0.3653	0.3958	0.3869	Ave		0.3589				12.0		30.0			
Styrene	+++++ 0.4211	0.2559 0.6259	0.3594 0.5798	0.4505	0.5614	Ave		0.4649				28.5		30.0			
Bromoform	+++++ 0.3801	0.2690 0.5976	0.3230 0.5679	0.4941	0.5121	Ave		0.4491				28.1		30.0			
Cumene	+++++ 0.8513	0.9060 1.1890	1.0121 1.1211	1.1366	1.1234	Ave		1.0485				12.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4292	0.4788 0.5768	0.5350 0.5104	0.6070	0.5762	Ave		0.5305				11.8		30.0			
1,2,3-Trichloropropane	+++++ 0.3308	+++++ 0.4496	0.4207 0.3981	0.4752	0.4504	Ave		0.4208				12.2		30.0			
n-Propylbenzene	+++++ 1.0200	1.0125 1.3965	1.1283 1.2840	1.3765	1.3589	Ave		1.2253				13.8		30.0			
2-Chlorotoluene	+++++ 0.7370	0.8204 1.0297	0.9156 0.8704	1.0570	1.0104	Ave		0.9201				12.9		30.0			
4-Ethyltoluene	+++++ 0.8553	0.7938 1.1683	0.8879 1.0495	1.1280	1.1307	Ave		1.0019				15.3		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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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								
n-Decane	+++++ 0.3911	+++++ 0.5142	0.3770 0.4400	0.4795	0.5350	Ave		0.4561				14.2		30.0			
1,3,5-Trimethylbenzene	+++++ 0.7369	0.6560 1.0249	0.7769 0.9687	0.9650	0.9751	Ave		0.8719				16.6		30.0			
Alpha Methyl Styrene	+++++ 0.3475	0.0689 0.5022	0.1880 0.4782	0.1318	0.4539	Ave		0.3101				57.7	*	30.0			
tert-Butylbenzene	+++++ 0.6983	0.7382 0.9668	0.8186 0.9261	0.9106	0.9207	Ave		0.8542				12.1		30.0			
1,2,4-Trimethylbenzene	+++++ 0.7314	0.6076 1.0125	0.7173 0.9539	0.9380	0.9536	Ave		0.8449				18.5		30.0			
sec-Butylbenzene	+++++ 1.0240	0.9881 1.4215	1.1422 1.3335	1.3542	1.3679	Ave		1.2330				14.4		30.0			
4-Isopropyltoluene	+++++ 0.8755	0.6714 1.1796	0.8105 1.0891	1.0776	1.1395	Ave		0.9776				19.7		30.0			
1,3-Dichlorobenzene	+++++ 0.4836	0.4603 0.6975	0.5196 0.6214	0.6562	0.6298	Ave		0.5812				15.9		30.0			
1,4-Dichlorobenzene	+++++ 0.4842	0.4585 0.7045	0.4866 0.6652	0.6342	0.6158	Ave		0.5784				17.2		30.0			
Benzyl chloride	+++++ 0.5902	0.4285 0.8599	0.4911 0.7942	0.7338	0.7548	Ave		0.6646				24.5		30.0			
n-Butylbenzene	+++++ 0.7995	0.5293 1.0456	0.6230 0.9769	0.9345	1.0094	Ave		0.8455				23.8		30.0			
n-Undecane	+++++ 0.4131	+++++ 0.4352	+++++ 0.3220	0.5044	0.3353	Ave		0.4020				18.7		30.0			
1,2-Dichlorobenzene	+++++ 0.4764	0.4464 0.6690	0.5189 0.6119	0.6477	0.6176	Ave		0.5697				15.5		30.0			
n-Dodecane	+++++ 0.3762	+++++ 0.3768	+++++ 0.0708	0.4731	0.2434	Ave		0.3081				50.6	*	30.0			
1,2,4-Trichlorobenzene	+++++ 0.3567	+++++ 0.4000	0.2641 0.1883	0.4061	0.3041	Ave		0.3199				26.5		30.0			
Hexachlorobutadiene	+++++ 0.3747	0.2916 0.4869	0.3163 0.2050	0.4414	0.4532	Ave		0.3670				27.7		30.0			
Naphthalene	+++++ 0.8278	+++++ 0.8268	0.5217 0.3522	0.9598	0.6147	Ave		0.6838				33.2	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.3363	0.2290 0.3564	0.2445 0.1113	0.3958	0.2737	Ave		0.2781				34.3	*	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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-55509/4	clq04.d
Level 2	IC 200-55509/5	clq05.d
Level 3	IC 200-55509/6	clq06.d
Level 4	IC 200-55509/7	clq07.d
Level 5	ICIS 200-55509/8	clq08.d
Level 6	IC 200-55509/9	clq09.d
Level 7	IC 200-55509/10	clq10.d
Level 8	IC 200-55509/11	clq11.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
Propylene	BCM	Ave	+++++ 466050	+++++ 598405	+++++ 1140332	157104	320957	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 2092131	+++++ 2781117	65190 5581818	661987	1398107	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1052572	+++++ 1385364	34204 2707139	348677	717869	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2062450	25368 2703352	62472 5270296	653482	1373706	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 573094	+++++ 736703	20803 1430762	191777	389385	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 1005750	+++++ 1280920	36714 2420868	333159	686273	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1780 678121	8511 883635	21263 1705503	219626	459637	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 513890	6216 665143	15142 1291208	163155	345137	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 633505	7548 838101	19906 1662828	203341	421908	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 331998	+++++ 435433	10501 840093	110103	225175	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 698312	10216 896432	24554 1711218	237036	484896	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 701567	7712 924739	20122 1866666	212881	452558	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 2150060	24705 2903320	62796 5990206	661565	1410960	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 1184359	+++++ 1533180	39415 2954793	387058	802677	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	+++++ 209302	+++++ 579425	67721 1451227	117580	190395	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0

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

Lab Name: TestAmerica Burlington Job No.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Ethyl ether	BCM	Ave	+++++ 312579	4482 541174	12400 1138060	116439	291270	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 131631	+++++ 256370	+++++ 527909	54309	137928	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1393961	15903 1859209	40744 3709433	435185	926577	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 706828	8037 882260	18889 1740701	208667	441345	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 635051	+++++ 1044903	+++++ 2163626	320215	585207	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 2042314	+++++ 2701895	60023 5435388	672682	1361132	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 567636	+++++ 886675	+++++ 1811231	198634	426966	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 768368	10256 1007539	23919 2049889	277907	570088	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 303897	+++++ 607683	+++++ 1273246	118870	281349	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 692768	+++++ 907543	25775 1757224	231671	479503	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 928590	+++++ 1422040	+++++ 2979225	315003	660735	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1014308	11963 1326336	30487 2559365	328103	689037	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1348867	20880 2228917	51316 4791645	463090	1177893	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 326518	+++++ 516882	11411 1076225	110084	279132	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 1083662	14354 1404915	34557 2711237	349029	737377	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	3402 1286140	15592 1700316	38001 3354288	412148	875332	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 987403	+++++ 1681754	+++++ 3579269	358657	929546	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 751102	8762 997825	22048 1995975	231408	500878	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 220991	+++++ 353705	13243 761278	77323	195373	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 38138	+++++ 63210	+++++ 143027	12402	34617	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 449659	+++++ 731923	+++++ 1523853	168424	413540	+++++ 15.0	+++++ 20.0	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Chloroform	BCM	Ave	+++++ 1628724	18789 2182568	47595 4396007	510219	1088178	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1838818	20544 2488803	52189 5075331	564855	1222445	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 1022087	11840 1351157	30268 2622128	323910	688238	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4330 1963369	19611 2670530	51784 5606576	583785	1292883	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2134635	27749 2943726	68072 5664521	712649	1518248	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3359773	40923 4397485	101763 8333212	1106786	2339348	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1002402	11807 1432583	31039 2816679	337499	719887	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1179119	14627 1539862	38043 2859835	397348	829534	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 245678	+++++ 421851	+++++ 850160	78890	187076	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2928 1143001	11811 1438623	30411 2849762	335951	715358	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 638545	9099 987598	23442 1853596	233780	527600	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 457493	+++++ 765704	14007 1720274	139594	418375	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 852484	9119 1262086	22315 2647323	265828	595317	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 221372	+++++ 374239	+++++ 731907	84702	191778	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1558566	16910 2437033	45028 4792537	536398	1210533	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 944322	12288 1605515	32554 3175579	345305	825996	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 910113	+++++ 1414329	25871 2971561	299295	724630	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1152187	17138 1981173	44326 4004481	430091	1051259	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1178631	19243 1944680	48617 3609415	494436	1100358	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 886075	10781 1602347	29266 3324352	320265	819299	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 550437	8096 967813	21431 1918803	211201	515528	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
Tetrachloroethene	CBZ	Ave	3305 1264442	15193 1978197	38486 4070011	426470	951741	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 866402	+++++ 1402465	23386 2910916	284510	668830	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1286011	13512 2369089	36156 4992737	462613	1159485	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1062958	12424 1926075	35092 3936084	398460	981821	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1489160	22839 2718133	58445 5604292	576937	1400004	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 2338148	33356 4130654	88348 8944247	852580	2205916	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 986443	14734 1740792	39740 3366796	401173	992447	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 1836521	25195 3178337	67297 6685347	667915	1711896	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 904541	12204 1549455	32878 3345566	324309	834290	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 1320039	9932 2404157	33022 5310269	369183	1210579	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1191288	10441 2295575	29677 5201520	404909	1104327	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 2668457	35164 4567311	93002 10268977	931371	2422657	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1345311	18581 2215653	49164 4675116	497400	1242626	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1036936	+++++ 1727075	38654 3646215	389421	971295	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 3197184	39296 5364244	103681 11761098	1127962	2930394	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 2310071	31842 3955160	84136 7972492	866169	2178896	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 2680724	30808 4487784	81588 9612784	924301	2438287	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1225845	+++++ 1975220	34642 4030342	392935	1153776	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 2309721	25460 3936868	71386 8872556	790703	2102727	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 1089223	2674 1928922	17276 4380405	107975	978878	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 2188841	28652 3713763	75218 8482708	746207	1985542	+++++ 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.: 200-16615-1 Analy Batch No.: 55509

SDG No.:

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/12/2013 23:49 Calibration End Date: 05/13/2013 05:58 Calibration ID: 21477

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
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 2292648	23581 3889177	65910 8737686	768650	2056358	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 3209521	38348 5460157	104956 12214009	1109654	2949787	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 2744114	26059 4530977	74477 9975965	882976	2457373	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1515753	17864 2679160	47742 5691508	537683	1358074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1517685	17794 2706248	44712 6093165	519697	1327926	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 1849849	16629 3302868	45130 7274154	601282	1627703	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 2505956	20544 4016431	57250 8948104	765721	2176777	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 1294869	+++++ 1671694	+++++ 2949199	413297	723024	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1493152	17326 2569700	47678 5604787	530707	1331768	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 1179300	+++++ 1447358	+++++ 648424	387709	524875	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 1118160	+++++ 1536597	24267 1724850	332738	655690	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1174546	11318 1870320	29068 1877490	361714	977282	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 2594794	+++++ 3175972	47935 3226098	786506	1325509	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 1054032	8887 1369007	22468 1019022	324291	590218	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
Propylene	Ave	0.6967	0.6474		9.29	10.0	-7.1	30.0
Dichlorodifluoromethane	Ave	3.173	3.146		9.91	10.0	-0.9	30.0
Freon 22	Ave	1.616	1.514		9.37	10.0	-6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.072		9.89	10.0	-1.1	30.0
Chloromethane	Ave	0.8924	0.8165		9.15	10.0	-8.5	30.0
n-Butane	Ave	1.556	1.404		9.02	10.0	-9.8	30.0
Vinyl chloride	Ave	1.046	0.9823		9.39	10.0	-6.1	30.0
1,3-Butadiene	Ave	0.7670	0.7540		9.83	10.0	-1.7	30.0
Bromomethane	Ave	0.9612	0.9000		9.36	10.0	-6.4	30.0
Chloroethane	Ave	0.5052	0.4746		9.39	10.0	-6.1	30.0
Isopentane	Ave	1.115	0.999		8.96	10.0	-10.4	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.043		10.2	10.0	1.6	30.0
Trichlorofluoromethane	Ave	3.219	3.272		10.2	10.0	1.7	30.0
n-Pentane	Ave	1.807	1.668		9.23	10.0	-7.7	30.0
Ethanol	Ave	0.2995	0.3347		16.8	15.0	11.7	30.0
Ethyl ether	Ave	0.5902	0.6102		10.3	10.0	3.4	30.0
Acrolein	Ave	0.2697	0.2551		9.46	10.0	-5.4	30.0
Freon TF	Ave	2.077	2.280		11.0	10.0	9.8	30.0
1,1-Dichloroethene	Ave	1.001	1.089		10.9	10.0	8.7	30.0
Acetone	Ave	1.238	1.343		10.8	10.0	8.5	30.0
Carbon disulfide	Ave	3.083	3.035		9.84	10.0	-1.6	30.0
Isopropyl alcohol	Ave	0.9521	0.8599		9.03	10.0	-9.7	30.0
3-Chloropropene	Ave	1.227	1.083		8.82	10.0	-11.7	30.0
Acetonitrile	Ave	0.6081	0.6019		9.90	10.0	-1.0	30.0
Methylene Chloride	Ave	1.093	1.081		9.89	10.0	-1.1	30.0
tert-Butyl alcohol	Ave	1.526	1.404		9.20	10.0	-7.9	30.0
Methyl tert-butyl ether	Ave	2.479	2.693		10.9	10.0	8.6	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.509		9.91	10.0	-0.9	30.0
Acrylonitrile	Ave	0.5685	0.5871		10.3	10.0	3.3	30.0
n-Hexane	Ave	1.666	1.584		9.51	10.0	-4.9	30.0
1,1-Dichloroethane	Ave	1.971	1.909		9.68	10.0	-3.1	30.0
Vinyl acetate	Ave	1.832	1.926		10.5	10.0	5.1	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.151		10.3	10.0	2.7	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.4190		9.51	10.0	-4.9	30.0
Ethyl acetate	Ave	0.0689	0.0743		10.8	10.0	7.8	30.0
Tetrahydrofuran	Ave	0.1521	0.1566		10.3	10.0	3.0	30.0
Chloroform	Ave	2.439	2.450		10.0	10.0	0.4	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.5102		10.1	10.0	0.6	30.0
Cyclohexane	Ave	0.2831	0.2765		9.76	10.0	-2.3	30.0
Carbon tetrachloride	Ave	0.5249	0.5383		10.3	10.0	2.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
Benzene	Ave	0.6239	0.6025		9.66	10.0	-3.4	30.0
2,2,4-Trimethylpentane	Ave	0.9451	0.9123		9.65	10.0	-3.5	30.0
1,2-Dichloroethane	Ave	0.2922	0.2909		9.95	10.0	-0.4	30.0
n-Heptane	Ave	0.3364	0.3164		9.40	10.0	-6.0	30.0
n-Butanol	Ave	0.0786	0.0653		8.31	10.0	-16.9	30.0
Trichloroethene	Ave	0.3023	0.2869		9.49	10.0	-5.1	30.0
1,2-Dichloropropane	Ave	0.2061	0.1934		9.38	10.0	-6.1	30.0
Methyl methacrylate	Ave	0.1495	0.1584		10.6	10.0	5.9	30.0
1,4-Dioxane	Ave	0.0744	0.0642		8.62	10.0	-13.7	30.0
Dibromomethane	Ave	0.2409	0.2553		10.6	10.0	6.0	30.0
Bromodichloromethane	Ave	0.4642	0.4947		10.7	10.0	6.6	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3108		9.99	10.0	-0.1	30.0
methyl isobutyl ketone	Ave	0.2789	0.2764		9.91	10.0	-0.9	30.0
Toluene	Ave	0.4653	0.4515		9.70	10.0	-3.0	30.0
n-Octane	Ave	0.4180	0.4062		9.71	10.0	-2.8	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3087		10.4	10.0	3.7	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2062		9.16	10.0	-8.4	30.0
Tetrachloroethene	Ave	0.4443	0.4340		9.77	10.0	-2.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.2889		9.26	10.0	-7.4	30.0
Dibromochloromethane	Ave	0.4880	0.5353		11.0	10.0	9.7	30.0
1,2-Dibromoethane	Ave	0.4163	0.4105		9.86	10.0	-1.4	30.0
Chlorobenzene	Ave	0.6246	0.6021		9.64	10.0	-3.6	30.0
Ethylbenzene	Ave	0.9546	0.9568		10.0	10.0	0.2	30.0
n-Nonane	Ave	0.4139	0.4108		9.92	10.0	-0.8	30.0
m,p-Xylene	Ave	0.3667	0.3701		20.2	20.0	0.9	30.0
Xylene, o-	Ave	0.3589	0.3571		9.95	10.0	-0.5	30.0
Styrene	Ave	0.4649	0.5170		11.1	10.0	11.2	30.0
Bromoform	Ave	0.4491	0.5059		11.3	10.0	12.6	30.0
Cumene	Ave	1.049	1.087		10.4	10.0	3.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.4941		9.31	10.0	-6.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4086		9.71	10.0	-2.9	30.0
n-Propylbenzene	Ave	1.225	1.273		10.4	10.0	3.9	30.0
2-Chlorotoluene	Ave	0.9201	0.9478		10.3	10.0	3.0	30.0
4-Ethyltoluene	Ave	1.002	1.086		10.8	10.0	8.4	30.0
n-Decane	Ave	0.4561	0.4495		9.85	10.0	-1.5	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.9060		10.4	10.0	3.9	30.0
Alpha Methyl Styrene	Ave	0.3101	0.3933		12.7	10.0	26.8	30.0
tert-Butylbenzene	Ave	0.8542	0.8924		10.4	10.0	4.5	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.8638		10.2	10.0	2.2	30.0
sec-Butylbenzene	Ave	1.233	1.286		10.4	10.0	4.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: ICV 200-55509/14 Calibration Date: 05/13/2013 08:36

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clq14.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
4-Isopropyltoluene	Ave	0.9776	1.062		10.9	10.0	8.7	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5737		9.87	10.0	-1.3	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5625		9.72	10.0	-2.8	30.0
Benzyl chloride	Ave	0.6646	0.6907		10.4	10.0	3.9	30.0
n-Butylbenzene	Ave	0.8455	0.8945		10.6	10.0	5.8	30.0
n-Undecane	Ave	0.4020	0.3702		9.21	10.0	-7.9	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5435		9.54	10.0	-4.6	30.0
n-Dodecane	Ave	0.3081	0.2995		9.72	10.0	-2.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.2802		8.76	10.0	-12.4	30.0
Hexachlorobutadiene	Ave	0.3670	0.3781		10.3	10.0	3.0	30.0
Naphthalene	Ave	0.6838	0.6084		8.90	10.0	-11.0	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2588		9.30	10.0	-7.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
Propylene	Ave	0.6967	0.9376		13.5	10.0	34.6*	30.0
Dichlorodifluoromethane	Ave	3.173	3.871		12.2	10.0	22.0	30.0
Freon 22	Ave	1.616	2.069		12.8	10.0	28.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.664		11.8	10.0	18.0	30.0
Chloromethane	Ave	0.8924	1.074		12.0	10.0	20.3	30.0
n-Butane	Ave	1.556	1.988		12.8	10.0	27.7	30.0
Vinyl chloride	Ave	1.046	1.238		11.8	10.0	18.4	30.0
1,3-Butadiene	Ave	0.7670	0.9664		12.6	10.0	26.0	30.0
Bromomethane	Ave	0.9612	1.023		10.6	10.0	6.4	30.0
Chloroethane	Ave	0.5052	0.5599		11.1	10.0	10.8	30.0
Isopentane	Ave	1.115	1.317		11.8	10.0	18.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.074		10.5	10.0	4.7	30.0
Trichlorofluoromethane	Ave	3.219	3.666		11.4	10.0	13.9	30.0
n-Pentane	Ave	1.807	2.250		12.5	10.0	24.5	30.0
Ethanol	Ave	0.2995	0.3204		21.4	20.0	7.0	30.0
Ethyl ether	Ave	0.5902	0.7149		12.1	10.0	21.1	30.0
Acrolein	Ave	0.2697	0.3459		12.8	10.0	28.3	30.0
Freon TF	Ave	2.077	2.271		10.9	10.0	9.4	30.0
1,1-Dichloroethene	Ave	1.001	1.058		10.6	10.0	5.7	30.0
Acetone	Ave	1.238	1.644		13.3	10.0	32.8*	30.0
Carbon disulfide	Ave	3.083	3.354		10.9	10.0	8.8	30.0
Isopropyl alcohol	Ave	0.9521	1.131		11.9	10.0	18.8	30.0
3-Chloropropene	Ave	1.227	1.507		12.3	10.0	22.9	30.0
Acetonitrile	Ave	0.6081	0.7957		13.1	10.0	30.8*	30.0
Methylene Chloride	Ave	1.093	1.270		11.6	10.0	16.2	30.0
tert-Butyl alcohol	Ave	1.526	1.739		11.4	10.0	14.0	30.0
Methyl tert-butyl ether	Ave	2.479	2.759		11.1	10.0	11.3	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.812		11.9	10.0	19.0	30.0
Acrylonitrile	Ave	0.5685	0.6889		12.1	10.0	21.2	30.0
n-Hexane	Ave	1.666	1.905		11.4	10.0	14.4	30.0
1,1-Dichloroethane	Ave	1.971	2.230		11.3	10.0	13.1	30.0
Vinyl acetate	Ave	1.832	2.357		12.9	10.0	28.6	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.236		11.0	10.0	10.3	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.4394		9.97	10.0	-0.3	30.0
Ethyl acetate	Ave	0.0689	0.0723		10.5	10.0	5.0	30.0
Tetrahydrofuran	Ave	0.1521	0.1848		12.1	10.0	21.5	30.0
Chloroform	Ave	2.439	2.819		11.6	10.0	15.6	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.5919		11.7	10.0	16.7	30.0
Cyclohexane	Ave	0.2831	0.3101		11.0	10.0	9.5	30.0
Carbon tetrachloride	Ave	0.5249	0.6234		11.9	10.0	18.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
Benzene	Ave	0.6239	0.6833		11.0	10.0	9.5	30.0
2,2,4-Trimethylpentane	Ave	0.9451	1.111		11.8	10.0	17.6	30.0
1,2-Dichloroethane	Ave	0.2922	0.3707		12.7	10.0	26.9	30.0
n-Heptane	Ave	0.3364	0.4146		12.3	10.0	23.2	30.0
n-Butanol	Ave	0.0786	0.0783		9.96	10.0	-0.4	30.0
Trichloroethene	Ave	0.3023	0.3303		10.9	10.0	9.2	30.0
1,2-Dichloropropane	Ave	0.2061	0.2411		11.7	10.0	17.0	30.0
Methyl methacrylate	Ave	0.1495	0.1655		11.1	10.0	10.7	30.0
1,4-Dioxane	Ave	0.0744	0.0796		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.2409	0.2581		10.7	10.0	7.1	30.0
Bromodichloromethane	Ave	0.4642	0.5708		12.3	10.0	23.0	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3805		12.2	10.0	22.3	30.0
methyl isobutyl ketone	Ave	0.2789	0.3073		11.0	10.0	10.2	30.0
Toluene	Ave	0.4653	0.4957		10.7	10.0	6.5	30.0
n-Octane	Ave	0.4180	0.5369		12.8	10.0	28.4	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3706		12.4	10.0	24.5	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2414		10.7	10.0	7.2	30.0
Tetrachloroethene	Ave	0.4443	0.4461		10.0	10.0	0.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.3036		9.73	10.0	-2.6	30.0
Dibromochloromethane	Ave	0.4880	0.5592		11.5	10.0	14.6	30.0
1,2-Dibromoethane	Ave	0.4163	0.4587		11.0	10.0	10.2	30.0
Chlorobenzene	Ave	0.6246	0.6471		10.4	10.0	3.6	30.0
Ethylbenzene	Ave	0.9546	1.009		10.6	10.0	5.7	30.0
n-Nonane	Ave	0.4139	0.4727		11.4	10.0	14.2	30.0
m,p-Xylene	Ave	0.3667	0.3816		20.8	20.0	4.1	30.0
Xylene, o-	Ave	0.3589	0.3720		10.4	10.0	3.7	30.0
Styrene	Ave	0.4649	0.5401		11.6	10.0	16.2	30.0
Bromoform	Ave	0.4491	0.4896		10.9	10.0	9.0	30.0
Cumene	Ave	1.049	1.085		10.3	10.0	3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.5403		10.2	10.0	1.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4366		10.4	10.0	3.8	30.0
n-Propylbenzene	Ave	1.225	1.297		10.6	10.0	5.9	30.0
2-Chlorotoluene	Ave	0.9201	0.9925		10.8	10.0	7.9	30.0
4-Ethyltoluene	Ave	1.002	1.064		10.6	10.0	6.2	30.0
n-Decane	Ave	0.4561	0.5249		11.5	10.0	15.1	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.9232		10.6	10.0	5.9	30.0
Alpha Methyl Styrene	Ave	0.3101	0.4190		13.5	10.0	35.1*	30.0
tert-Butylbenzene	Ave	0.8542	0.8720		10.2	10.0	2.1	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.9036		10.7	10.0	7.0	30.0
sec-Butylbenzene	Ave	1.233	1.282		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56177/2 Calibration Date: 05/24/2013 09:54

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqh02.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
4-Isopropyltoluene	Ave	0.9776	1.057		10.8	10.0	8.1	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5978		10.3	10.0	2.9	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5778		9.99	10.0	-0.1	30.0
Benzyl chloride	Ave	0.6646	0.6676		10.0	10.0	0.5	30.0
n-Butylbenzene	Ave	0.8455	0.9495		11.2	10.0	12.3	30.0
n-Undecane	Ave	0.4020	0.3228		8.03	10.0	-19.7	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5881		10.3	10.0	3.2	30.0
n-Dodecane	Ave	0.3081	0.2558		8.30	10.0	-17.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.3017		9.43	10.0	-5.7	30.0
Hexachlorobutadiene	Ave	0.3670	0.4317		11.8	10.0	17.6	30.0
Naphthalene	Ave	0.6838	0.6817		9.97	10.0	-0.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2669		9.60	10.0	-4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
Acetonitrile	Ave	0.6081	0.0000		5.00	10.0	-100.0*	30.0
Propylene	Ave	0.6967	1.019		14.6	10.0	46.2*	30.0
Dichlorodifluoromethane	Ave	3.173	4.163		13.1	10.0	31.2*	30.0
Freon 22	Ave	1.616	2.214		13.7	10.0	37.1*	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.106	3.947		12.7	10.0	27.1	30.0
Chloromethane	Ave	0.8924	1.152		12.9	10.0	29.1	30.0
n-Butane	Ave	1.556	2.141		13.8	10.0	37.6*	30.0
Vinyl chloride	Ave	1.046	1.324		12.7	10.0	26.6	30.0
1,3-Butadiene	Ave	0.7670	1.032		13.5	10.0	34.6*	30.0
Bromomethane	Ave	0.9612	1.097		11.4	10.0	14.1	30.0
Chloroethane	Ave	0.5052	0.5983		11.8	10.0	18.4	30.0
Isopentane	Ave	1.115	1.383		12.4	10.0	24.0	30.0
Bromoethene(Vinyl Bromide)	Ave	1.026	1.132		11.0	10.0	10.3	30.0
Trichlorofluoromethane	Ave	3.219	3.899		12.1	10.0	21.1	30.0
n-Pentane	Ave	1.807	2.370		13.1	10.0	31.2*	30.0
Ethanol	Ave	0.2995	0.3169		21.2	20.0	5.8	30.0
Ethyl ether	Ave	0.5902	0.6782		11.5	10.0	14.9	30.0
Acrolein	Ave	0.2697	0.3001		11.1	10.0	11.3	30.0
Freon TF	Ave	2.077	2.389		11.5	10.0	15.1	30.0
1,1-Dichloroethene	Ave	1.001	1.123		11.2	10.0	12.1	30.0
Acetone	Ave	1.238	1.473		11.9	10.0	19.0	30.0
Carbon disulfide	Ave	3.083	3.568		11.6	10.0	15.7	30.0
Isopropyl alcohol	Ave	0.9521	1.179		12.4	10.0	23.8	30.0
3-Chloropropene	Ave	1.227	1.542		12.6	10.0	25.7	30.0
Methylene Chloride	Ave	1.093	1.345		12.3	10.0	23.1	30.0
tert-Butyl alcohol	Ave	1.526	1.867		12.2	10.0	22.3	30.0
Methyl tert-butyl ether	Ave	2.479	2.564		10.3	10.0	3.4	30.0
trans-1,2-Dichloroethene	Ave	1.523	1.913		12.6	10.0	25.6	30.0
Acrylonitrile	Ave	0.5685	0.6329		11.1	10.0	11.3	30.0
n-Hexane	Ave	1.666	2.007		12.0	10.0	20.5	30.0
1,1-Dichloroethane	Ave	1.971	2.361		12.0	10.0	19.8	30.0
Vinyl acetate	Ave	1.832	2.080		11.4	10.0	13.5	30.0
cis-1,2-Dichloroethene	Ave	1.121	1.260		11.2	10.0	12.5	30.0
Methyl Ethyl Ketone	Ave	0.4407	0.3864		8.77	10.0	-12.3	30.0
Ethyl acetate	Ave	0.0689	0.0654		9.50	10.0	-5.0	30.0
Tetrahydrofuran	Ave	0.1521	0.1663		10.9	10.0	9.4	30.0
Chloroform	Ave	2.439	2.930		12.0	10.0	20.1	30.0
1,1,1-Trichloroethane	Ave	0.5072	0.6081		12.0	10.0	19.9	30.0
Cyclohexane	Ave	0.2831	0.3170		11.2	10.0	12.0	30.0
Carbon tetrachloride	Ave	0.5249	0.6417		12.2	10.0	22.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
Benzene	Ave	0.6239	0.7053		11.3	10.0	13.1	30.0
2,2,4-Trimethylpentane	Ave	0.9451	1.149		12.2	10.0	21.5	30.0
1,2-Dichloroethane	Ave	0.2922	0.3820		13.1	10.0	30.8*	30.0
n-Heptane	Ave	0.3364	0.4325		12.9	10.0	28.6	30.0
n-Butanol	Ave	0.0786	0.0828		10.5	10.0	5.3	30.0
Trichloroethene	Ave	0.3023	0.3392		11.2	10.0	12.2	30.0
1,2-Dichloropropane	Ave	0.2061	0.2355		11.4	10.0	14.3	30.0
Methyl methacrylate	Ave	0.1495	0.1407		9.41	10.0	-5.9	30.0
1,4-Dioxane	Ave	0.0744	0.0744		9.99	10.0	-0.0	30.0
Dibromomethane	Ave	0.2409	0.2614		10.8	10.0	8.5	30.0
Bromodichloromethane	Ave	0.4642	0.5815		12.5	10.0	25.3	30.0
cis-1,3-Dichloropropene	Ave	0.3112	0.3680		11.8	10.0	18.3	30.0
methyl isobutyl ketone	Ave	0.2789	0.3182		11.4	10.0	14.1	30.0
Toluene	Ave	0.4653	0.4954		10.6	10.0	6.5	30.0
n-Octane	Ave	0.4180	0.5306		12.7	10.0	26.9	30.0
trans-1,3-Dichloropropene	Ave	0.2977	0.3424		11.5	10.0	15.0	30.0
1,1,2-Trichloroethane	Ave	0.2251	0.2425		10.8	10.0	7.7	30.0
Tetrachloroethene	Ave	0.4443	0.4815		10.8	10.0	8.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3119	0.3499		11.2	10.0	12.2	30.0
Dibromochloromethane	Ave	0.4880	0.5758		11.8	10.0	18.0	30.0
1,2-Dibromoethane	Ave	0.4163	0.4617		11.1	10.0	10.9	30.0
Chlorobenzene	Ave	0.6246	0.6524		10.4	10.0	4.5	30.0
Ethylbenzene	Ave	0.9546	0.9704		10.2	10.0	1.7	30.0
n-Nonane	Ave	0.4139	0.4754		11.5	10.0	14.8	30.0
m,p-Xylene	Ave	0.3667	0.3635		19.8	20.0	-0.9	30.0
Xylene, o-	Ave	0.3589	0.3523		9.81	10.0	-1.8	30.0
Styrene	Ave	0.4649	0.5108		11.0	10.0	9.9	30.0
Bromoform	Ave	0.4491	0.5003		11.1	10.0	11.4	30.0
Cumene	Ave	1.049	1.023		9.75	10.0	-2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5305	0.5205		9.81	10.0	-1.9	30.0
1,2,3-Trichloropropane	Ave	0.4208	0.4138		9.83	10.0	-1.7	30.0
n-Propylbenzene	Ave	1.225	1.208		9.86	10.0	-1.4	30.0
2-Chlorotoluene	Ave	0.9201	0.9611		10.4	10.0	4.5	30.0
4-Ethyltoluene	Ave	1.002	0.9868		9.85	10.0	-1.5	30.0
n-Decane	Ave	0.4561	0.4603		10.1	10.0	0.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8719	0.8495		9.74	10.0	-2.6	30.0
Alpha Methyl Styrene	Ave	0.3101	0.3881		12.5	10.0	25.2	30.0
tert-Butylbenzene	Ave	0.8542	0.7988		9.35	10.0	-6.5	30.0
1,2,4-Trimethylbenzene	Ave	0.8449	0.8289		9.81	10.0	-1.9	30.0
sec-Butylbenzene	Ave	1.233	1.172		9.50	10.0	-5.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Lab Sample ID: CCVIS 200-56146/2 Calibration Date: 05/28/2013 10:03

Instrument ID: C.i Calib Start Date: 05/12/2013 23:49

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 05/13/2013 05:58

Lab File ID: clqi02.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
4-Isopropyltoluene	Ave	0.9776	0.9463		9.68	10.0	-3.2	30.0
1,3-Dichlorobenzene	Ave	0.5812	0.5566		9.58	10.0	-4.2	30.0
1,4-Dichlorobenzene	Ave	0.5784	0.5332		9.22	10.0	-7.8	30.0
Benzyl chloride	Ave	0.6646	0.6115		9.20	10.0	-8.0	30.0
n-Butylbenzene	Ave	0.8455	0.8440		9.98	10.0	-0.2	30.0
n-Undecane	Ave	0.4020	0.4104		10.2	10.0	2.1	30.0
1,2-Dichlorobenzene	Ave	0.5697	0.5371		9.43	10.0	-5.7	30.0
n-Dodecane	Ave	0.3081	0.3213		10.4	10.0	4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3199	0.3118		9.74	10.0	-2.5	30.0
Hexachlorobutadiene	Ave	0.3670	0.3629		9.88	10.0	-1.1	30.0
Naphthalene	Ave	0.6838	0.7439		10.9	10.0	8.8	30.0
1,2,3-Trichlorobenzene	Ave	0.2781	0.2933		10.5	10.0	5.4	30.0

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CLQ	Start Date: 5/13/13 Time: 2115	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/14/13 Time: 2115	CCV Container ID: see comments	Instrument: 5973
ICAL Date: 5/13/13		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 Pal D'A Kristine Dusablon Kristine Dusablon William DesRosiers William DesRosiers WD

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
2115	CLQ 01	N/A	BFB	N/A			PAD	N/A	✓	PAD	
2204	02	12683	VIBLK		1	200		✓	✓		
2257	03	12683	VIBLK		1	200		✓	✓		
2349	04	5466	IC-08		2	40		N/A	✓		
0042	05	5466	-01		2	200			✓		
0135	06	5464	-02		3	200			✓		
0227	07	5449	-03		4	200			✓		Curve Good for all 74 only +MN
0320	08	3152	ICIS-04		5	200			✓		
0412	09	3646	IC-05		6	200			✓		
0505	10	3413	-06		7	200			✓		1 outage - Nap 33.2%
0558	11	3308	-07		8	200			✓		
0650	12	12683	VIBLK		1	200		✓	✓		
0743	13	12683	VIBLK		1	200		✓	✓		
0836	14	4785	ICV		9	200		✓	✓		AG
0928	15	12683	VIBLK		1	200		✓	✓		
1028	CLQ 16	4785	LCS	N/A	9	200	WRD	✓	✓		
1120	17	12683	MB		1	200		✓	✓		
1213	18	4954	16372-1	10	10	20		✓	✓		TICs ✓ C
1305	19	4954	-1DU	10	10	20		✓	✓		TICs ✓ C
1358	20	4465	16390-1	1	11	200		✓	✓		TICs ✓ C
1451	21	4465	-1DU	1	11	200		✓	✓		TICs ✓ C
1545	22	4359	16393-10	0.2	12	1000		✓	✓	WRD	
1640	23	2508	16397-11	0.2	13	1000		✓	✓		
1734	24	4303	16401-6	0.2	14	1000		✓	✓		
1828	25	3044	16402-8	0.2	15	1000		✓	↑		Reclean
1921	CLQ 26	4158	16709-1	1	16	200	WRD	✓	↑	PAD	Acc 45
2013	27	4088	-32	1	1	200		✓	↑		Acc 44
2106	28	5027	-3	1	2	200		✓	↑		Acc 52

PAD 5/14/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: CLQI	Start Date: 5/28/13	Time: 0909	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/29/13	Time: 0909	CCV Container ID: 4199319	Instrument: 5973
ICAL Date: 5#55509			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
0909	CLQI01	N/A	BFB	N/A			WM	—	✓	BL	
1003	02	2640	CCV15		2	200		—	↑		All Fails ↑ - Btex+Styrene+Napth - 05
1055	03	4785	LCS		3	200		✓	↑		⊥ ⊥
1148	04	4632	MB		4	⊥		✓	✓		
1252	05	0843	Cert 28	0.2	6	1000	BL	✓	✓		
1345	06	1785	Cert 29	0.4	7	500		✓	✓	WRD	
1438	07	0848	Cert 30	⊥	8	500		✓	✓		
1530	08	4183	16640-01	1	9	200		✓	✓		
1622	09	5121	- 02		10			✓	✓		
1715	10	2639	- 03		11			✓	✓		
1808	11	4284	- 04		12			✓	✓		
1900	12	3483	- 05		13			✓	✓		
1954	13	4554	16615-08	0.8	14	1000		✓	✓		
2048	14	3534	- 09		15			✓	✓		Reclean
2142	15	5021	- 10		16			✓	✓		
2235	16	3034	16658-01	1	1	200		✓	✓		
2327	17	2734	- 02		2			✓	✓		
0020	18	5132	- 09		3			✓	✓		
0112	19	5110	- 10		4			✓	✓		
0204	20	4073	- 11		86			✓	✓		
0257	21	4822	- 12		87			✓	✓		
0349	22	4908	16643-01		8			✓	✓		
0441	23	3349	⊥ 02		9			✓	✓		
0535	24	2945	16615-11	0.2	10	1000	WM	✓	✓		
0630	25	5164	⊥ -12	⊥	11	⊥	⊥	✓	✓		

BK 5/29/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CLQ	Start Date: 5/13/13 Time: 2115	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 5/14/13 Time: 2115	CCV Container ID: see comments	Instrument: 5973
ICAL Date: 5/13/13		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   Kristine Dusablon   William DeStefano (signature)
PAD   Kristine Dusablon   William DeStefano WD

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
2115	CLQ 01	N/A	BFB	N/A	—	—	PAD	N/A	✓	PAD	
2204	02	12683	VIBLK		1	200		✓	✓		
2257	03	12683	VIBLK		1	200		✓	✓		
2349	04	5466	IC-08		2	40		N/A	✓		
0042	05	5466	-01		2	200			✓		
0135	06	5464	-02		3	200			✓		
0227	07	5449	-03		4	200			✓		Curve Good for all 74 only +MN
0320	08	3152	ICIS-04		5	200			✓		
0412	09	3646	IC-05		6	200			✓		
0505	10	3413	-06		7	200			✓		1 outage - Nap 33.2%
0558	11	3308	-07		8	200			✓		
0650	12	12683	VIBLK		1	200		✓	✓		
0743	13	12683	VIBLK		1	200		✓	✓		
0836	14	4785	ICV		9	200		✓	✓		
0928	15	12683	VIBLK		1	200		✓	✓		AG
1028	CLQ 16	4785	LCS	N/A	9	200		✓	✓		
1120	17	12683	MB		1	200	WRD	✓	✓		
1213	18	4954	16372-1	10	10	20		✓	✓		
1305	19	4954	-10U	10	10	20		✓	✓		TICs ✓ C
1358	20	4465	16320-1	1	11	200		✓	✓		TICs ✓ C
1451	21	4465	-10U	1	11	200		✓	✓		TICs ✓ C
1545	22	4359	16393-10	0.2	12	1000		✓	✓		TICs ✓ C
1640	23	2508	16397-11	0.2	13	1000		✓	✓	WRD	
1734	24	4303	16401-6	0.2	14	1000		✓	✓		
1828	25	3044	16401-8	0.2	15	1000		✓	✓		
1921	CLQ 26	4158	16709-1	1	16	200	WRD	✓	↑		Reclean
2013	27	4088	-32	1	1	200		✓	↑	PAD	Ace 45
2106	28	5027	-3	1	2	200		✓	↑		Ace 44
								✓	↑		Ace 52

PAD 5/14/13

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

BRFAI020:03.21.12:6
TestAmerica Burlington

GC/MS Air Instrument Run Log

Sequence		Standard Traceability		Instrument Information
Target Batch ID: CLGH- Start Date: 5/24/13	Time: 0902	ISTD Container ID:	248052	Instrument ID: C
Test Method: TO15 End Date: 5/25/13	Time: 0902	CCV Container ID:	499518	Instrument: 5973
ICAL Date:		ICV/LCS Container ID:	489492	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

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
0902	CLGH001		BFB	NA	NA	NA	WJB	NA	NA	WJB	
0954	02	5049	CCV/LS		2	100		NA	✓		
1047	03	4785	LCS		3	200		✓	✓		20 ppb propanol, acet AC
1139	04	4632	MB		4	200		✓	✓		
1232	05	3810	16547-9	10	6	20		✓	✓		
1325	06	4655	-10	1	7	200		✓	✓		THF↑
1418	07	3841	-11		8			✓	✓		
1511	08	4486	-12		9			✓	✓		
1604	09	4859	-13		10			✓	✓		
1656	10	4841	-14		11			✓	✓		
1749	11	4844	-15	10	12	20		✓	✓		
1841	12	4650	-16	2.99	13	67		✓	✓		
1934	13	3596	-17	2	14	100		✓	✓		THF↑
2026	14	3722	-18	2	15	100		✓	✓		
2118	15	3618	-19	1	16	200		✓	✓		
2210	16	Bag	16624-1	1	1	200		✓	✓		
2302	17	Bag	-2		2	200		✓	✓		
2355	18	0091	16634-1	44.8	3	20		✓	.		CDF 448 TO3
0047	19	1495	-2	1.64	4	200		✓			1 1.64 ✓
0141	20	3231	16615-1	0.2	6	1000	WAD	✓	✓		
0236	21	4305	-2		7			✓	✓		
0330	22	5027	-3		8			✓	✓		
0425	23	4365	16616-7	0.2	9			✓	✓		
0519	24	4808	16617-2	0.2	10			✓	✓		
0614	25	4307	16615-4	0.2	11	1000	WJB	✓	✓		MeCl2 ↑ OK [illegible]
0708	26	3275	-5	1	12			✓	✓		
0802	27	4150	16615-6	0.2	13	1000	PAD	✓	✓		
0855	28	5111	-7		14			✓	✓		
—	29	4554	-8		15			✓	✓		[illegible]

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • √=Reviewed and Acceptable

BRFAI020:03.21.12:6
TestAmerica Burlington

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/12/2013 21:15

Analysis Batch Number: 55509 End Date: 05/13/2013 21:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-55509/1		05/12/2013 21:15	1	c1q01.d	RTX-624 0.32(mm)
VIBLK 200-55509/2		05/12/2013 22:04	1		RTX-624 0.32(mm)
VIBLK 200-55509/3		05/12/2013 22:57	1		RTX-624 0.32(mm)
IC 200-55509/4		05/12/2013 23:49	1	c1q04.d	RTX-624 0.32(mm)
IC 200-55509/5		05/13/2013 00:42	1	c1q05.d	RTX-624 0.32(mm)
IC 200-55509/6		05/13/2013 01:35	1	c1q06.d	RTX-624 0.32(mm)
IC 200-55509/7		05/13/2013 02:27	1	c1q07.d	RTX-624 0.32(mm)
ICIS 200-55509/8		05/13/2013 03:20	1	c1q08.d	RTX-624 0.32(mm)
IC 200-55509/9		05/13/2013 04:12	1	c1q09.d	RTX-624 0.32(mm)
IC 200-55509/10		05/13/2013 05:05	1	c1q10.d	RTX-624 0.32(mm)
IC 200-55509/11		05/13/2013 05:58	1	c1q11.d	RTX-624 0.32(mm)
VIBLK 200-55509/12		05/13/2013 06:50	1		RTX-624 0.32(mm)
VIBLK 200-55509/13		05/13/2013 07:43	1		RTX-624 0.32(mm)
ICV 200-55509/14		05/13/2013 08:36	1	c1q14.d	RTX-624 0.32(mm)
VIBLK 200-55509/15		05/13/2013 09:28	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 10:28	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 11:20	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 12:13	10		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 13:05	10		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 13:58	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 14:51	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 15:45	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 16:40	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 17:34	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 18:28	0.2		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 19:21	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 20:13	1		RTX-624 0.32(mm)
ZZZZZ		05/13/2013 21:06	1		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/28/2013 09:09

Analysis Batch Number: 56146 End Date: 05/29/2013 06:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56146/1		05/28/2013 09:09	1	clqi01.d	RTX-624 0.32(mm)
CCVIS 200-56146/2		05/28/2013 10:03	1	clqi02.d	RTX-624 0.32(mm)
LCS 200-56146/3		05/28/2013 10:55	1	clqi03.d	RTX-624 0.32(mm)
MB 200-56146/4		05/28/2013 11:48	1	clqi04.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 12:52	0.2		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 12:52	0.2		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 13:45	0.4		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 14:38	0.4		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 15:30	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 16:22	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 17:15	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 18:08	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 19:00	1		RTX-624 0.32(mm)
200-16615-8	4554	05/28/2013 19:54	0.2	clqi13.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 20:48	0.2		RTX-624 0.32(mm)
200-16615-10	5021	05/28/2013 21:42	0.2	clqi15.d	RTX-624 0.32(mm)
ZZZZZ		05/28/2013 22:35	1		RTX-624 0.32(mm)
ZZZZZ		05/28/2013 23:27	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 00:20	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 01:12	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 02:04	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 02:57	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 03:49	1		RTX-624 0.32(mm)
ZZZZZ		05/29/2013 04:41	1		RTX-624 0.32(mm)
200-16615-11	2945	05/29/2013 05:35	0.2	clqi24.d	RTX-624 0.32(mm)
200-16615-12	5164	05/29/2013 06:30	0.2	clqi25.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-16615-1

SDG No.:

Instrument ID: C.i Start Date: 05/24/2013 09:02

Analysis Batch Number: 56177 End Date: 05/25/2013 08:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-56177/1		05/24/2013 09:02	1	c1qh01.d	RTX-624 0.32(mm)
CCVIS 200-56177/2		05/24/2013 09:54	1	c1qh02.d	RTX-624 0.32(mm)
LCS 200-56177/3		05/24/2013 10:47	1	c1qh03.d	RTX-624 0.32(mm)
MB 200-56177/4		05/24/2013 11:39	1	c1qh04.d	RTX-624 0.32(mm)
ZZZZZ		05/24/2013 12:32	10		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 13:25	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 14:18	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 15:11	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 16:04	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 16:56	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 17:49	10		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 18:41	2.99		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 19:34	2		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 20:26	2		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 21:18	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 22:10	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 23:02	1		RTX-624 0.32(mm)
ZZZZZ		05/24/2013 23:55	44.8		RTX-624 0.32(mm)
ZZZZZ		05/25/2013 00:47	1.64		RTX-624 0.32(mm)
200-16615-1	3236	05/25/2013 01:41	0.2	c1qh20.d	RTX-624 0.32(mm)
200-16615-2	4305	05/25/2013 02:36	0.2	c1qh21.d	RTX-624 0.32(mm)
200-16615-3	5027	05/25/2013 03:30	0.2	c1qh22.d	RTX-624 0.32(mm)
ZZZZZ		05/25/2013 04:25	0.2		RTX-624 0.32(mm)
ZZZZZ		05/25/2013 05:19	0.2		RTX-624 0.32(mm)
200-16615-4	4307	05/25/2013 06:14	0.2	c1qh25.d	RTX-624 0.32(mm)
200-16615-5	3275	05/25/2013 07:08	0.2	c1qh26.d	RTX-624 0.32(mm)
200-16615-6	4150	05/25/2013 08:02	0.2	c1qh27.d	RTX-624 0.32(mm)
200-16615-7	5111	05/25/2013 08:55	0.2	c1qh28.d	RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Ripstein	Samples Collected By: B. Kyle Haggard and Eric Rendon	1 of 2 COCs
Company: Walter Coke	Phone: 205-942-1289		
Address: 3500 35th Avenue North	Email: twripstein@terracon.com		
City/State/Zip: Birmingham, AL 35207			
Phone: 205-808-7803	Site Contact: Don Wiggins (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion Characterization	Analysis Turnaround Time		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV40811-053013	5/30/13	1042	1112	-30	-5.0	4612	5111	X									X		
SV40771-053013	5/30/13	1055	1127	-30	-5.0	4977	5027	X									X		
SV40812-053013	5/30/13	1155	1225	-30	-6.5	4603	4150	X									X		
SV40772-053013	5/30/13	1201	1237	-30	-5.0	4630	4307	X									X		
CS40811-053013	5/30-31/13	1121	1121	-30	-2	5000	3275	X											X
DUP-053013	5/30-31/13	1121	1121	-30	-2	4574	4305	X											X

200-16861 COC

Temperature (Fahrenheit)

	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
Other - Air in Crawlspace beneath Residence
Please email report to Project Manager.
Please send the invoice to Client/Site Contact.
Please mail the hard copy/original report to Project Manager @ Terracon - Terry Ripstein 110 12th Street North, Birmingham Alabama 35203

Samples Shipped by: Eric Rendon via FedEx	Date/Time: 5/31/13 - 1600 hours	Samples Received by: FedEx
Samples Relinquished by:	Date/Time:	Received by: [signature] TABUR 6/3/13 945
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Terry Rippstein	Samples Collected By: B. Kyle Hayward and Eric Reardon	2 of 2 COCs
Company: Walter Coke	Phone: 205-942-1289		
Address: 3500 35th Avenue North	Email: trippstein@terracon.com		
City/State/Zip Birmingham, AL 35207			
Phone: 205-505-7803	Site Contact: Dan Wissman (Walter Coke)		
FAX:	TA Contact:		
Project Name: Vapor Intrusion Characterization	**Analysis Turnaround Time**		
Site: Walter Coke	Standard (Specify) ✓		
PO #	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BG-053013	5/30-31/13	1020	1151	-29	-5.5	5237	3236	X								X			
ER																			

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

See page 1 of 2. - ER

Samples Shipped by: Eric Reardon via FedEx	Date/Time: 5/31/13 - 1600 hours	Samples Received by: FedEx	
Samples Relinquished by:	Date/Time:	Received by: Alan Parker TRANSA	6/3/13 945
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

From: (205) 942-1289
Lisa Shaman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: CZCA

FedEx Express

J13111302120326

Ship Date: 31MAY13
ActWgt: 26.0 LB
CAD: 101319659/INET3370

Delivery Address Bar Code

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive, Suite 11

S BURLINGTON, VT 05403

Ref # E1137075
Invoice #
PO #
Dept #

1 of 2

MON - 03 JUN 3:00P
STANDARD OVERNIGHT

TRK# 7998 9513 8952
0201

MASTER

SB BTVA

05403
VT-US
BTV

518G1/D777/33AB

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

From: (205) 942-1289
Lisa Sharman
Gallet a Terracon Company
110 12th Street North

Birmingham, AL 35203

Origin ID: CZCA

FedEx Express

J13111302120326

Ship Date: 31MAY13
ActWgt 33.0 LB
CAD: 101319659/INET3370

Delivery Address Bar Code

Ref # E1137075
Invoice #
PO #
Dept #

SHIP TO: (802) 923-1058 BILL SENDER

Sample Management
Test America Burlington
30 Community Drive, Suite 11

S BURLINGTON, VT 05403

2 of 2

MPS# 7998 9513 9043
0263

Mstr# 7998 9513 8952 0201

SB BTVA

MON - 03 JUN 3:00P
STANDARD OVERNIGHT

05403
VT-US
BTV

518G1/D777/33AB

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Terracon Consultants Inc fka Gallet Asso

Job Number: 200-16861-1
SDG Number: 200-16861

Login Number: 16861
List Source: TestAmerica Burlington
List Number: 1
Creator: Poucher, Stephanie A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	