



DEPARTMENT OF THE AIR FORCE  
AIR FORCE CIVIL ENGINEER CENTER

January 5, 2015

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2

Attn: Robert Morse  
Federal Facilities Section  
290 Broadway, 18 Floor  
New York, NY 10007-1866

New York State Department of Environmental Conservation  
Attn: Ms. Heather Bishop  
Division of Environmental Remediation  
625 Broadway 11<sup>th</sup> Floor  
Albany, NY 12233-7015

Ms. Kristin Kulow  
New York State Department of Health  
Bureau of Environmental Exposure Investigation  
28 Hill Street, Suite 201  
Oneonta, NY 13820

FROM: AFCEC/CIBE – Plattsburgh  
8 Colorado Street, Suite 121  
Plattsburgh NY, 12903

SUBJECT: Final 2<sup>nd</sup> Quarter/ 2014 Operations and Maintenance Report for the Soil Vapor  
Extraction System at ST006 Building 101 AOC  
Former Griffiss Air Force Base (AFB) Rome, New York  
Contract Number FA8903-10-D-8595  
Delivery Order 0014  
December 2014

Accompanying this letter please find the “Final 2<sup>nd</sup> Quarter/ 2014 Operations and Maintenance Report for the Soil Vapor Extraction System at ST006 Building 101 AOC”, for your review and comment. This version of the report incorporates data up until July 2014. The draft report was submitted on November 5, 2014.

We would appreciate review comments by February 6, 2015 so that project schedules and performance milestones can be maintained in accordance with this PBR Contract.

Should you have any questions or concerns please contact me at 518-563-2871.

A handwritten signature in dark ink, appearing to read "David S. Farnsworth", with a stylized flourish extending from the end.

David S. Farnsworth

Program Manager/BRAC Environment Coordinator  
BRAC Program Execution Branch

**FINAL**

**2<sup>ND</sup> QUARTER/2014 OPERATION AND MAINTENANCE REPORT  
SOIL VAPOR EXTRACTION SYSTEM  
ST006 BUILDING 101 AOC**

**FORMER GRIFFISS AIR FORCE BASE SITE  
ROME, NEW YORK**

*Prepared for:*



**Air Force Civil Engineer Center  
Building 171  
2261 Hughes Avenue, Suite 155,  
Joint Base San Antonio Lackland, TX**

*Prepared by:*

**FPM** Remediations, Inc.

**584 Phoenix Drive  
Rome, NY 13441**

*In association with:*



**10901 Lowell Avenue, Suite 271  
Overland Park, Kansas 66210**

**Contract Number FA8903-10-D-8595  
Delivery Order 0014**

**December 2014**

*This page is intentionally left blank.*



## TABLE OF CONTENTS

| SECTION                                                                       | PAGE     |
|-------------------------------------------------------------------------------|----------|
| <b>1 INTRODUCTION.....</b>                                                    | <b>1</b> |
| 1.1 Purpose .....                                                             | 1        |
| <b>2 SITE INFORMATION.....</b>                                                | <b>2</b> |
| 2.1 Site Location and History.....                                            | 2        |
| 2.2 2006 and 2007 Soil Vapor Intrusion Evaluation.....                        | 2        |
| 2.3 Record of Decision.....                                                   | 2        |
| 2.4 2013 Site Closure Evaluation and TCE Delineation Sampling.....            | 3        |
| 2.5 SVE System Installation.....                                              | 3        |
| 2.6 SVE System Operation and Maintenance .....                                | 4        |
| 2.6.1 4 <sup>th</sup> Quarter / Calendar Year 2013 (October - December) ..... | 4        |
| 2.6.2 1 <sup>st</sup> Quarter / Calendar Year 2014 (January - March) .....    | 4        |
| 2.6.2.1 Soil Vapor Monitoring.....                                            | 4        |
| 2.6.3 2 <sup>nd</sup> Quarter / Calendar Year 2014 (April - June).....        | 5        |
| 2.6.3.1 Soil Vapor Monitoring.....                                            | 5        |
| <b>3 CONCLUSIONS .....</b>                                                    | <b>6</b> |
| <b>4 RECOMMENDATIONS.....</b>                                                 | <b>6</b> |
| <b>5 REFERENCES.....</b>                                                      | <b>7</b> |

## **TABLES**

|         |                                                                                         |
|---------|-----------------------------------------------------------------------------------------|
| Table 1 | Risk-based Screening Levels                                                             |
| Table 2 | ST006 Building 101 AOC SVE System Performance Monitoring Sub-Slab Vapor Results         |
| Table 3 | ST006 Building 101 AOC SVE System Performance Monitoring Indoor and Outdoor Air Results |
| Table 4 | ST006 Building 101 AOC SVE System Performance Monitoring Influent Results               |
| Table 5 | ST006 Building 101 SVE System O&M schedule and rationale                                |
| Table 6 | ST006 Building 101 AOC SVE System VMP Vacuum Readings                                   |

## **FIGURES**

|          |                                                                               |
|----------|-------------------------------------------------------------------------------|
| Figure 1 | Building 101 Site Location                                                    |
| Figure 2 | Building 101 Site Layout                                                      |
| Figure 3 | ST006 Building 101 AOC SVE System Layout                                      |
| Figure 4 | ST006 Building 101 AOC SVE System Schematic and Extraction Well Cross Section |
| Figure 5 | 101SVE-1 Long Term Operation Vacuum Rate (October 2013 through June 2014)     |
| Figure 6 | 101SVE-1 Long Term Operation Flow Rate (October 2013 through June 2014)       |
| Figure 7 | Sub-Slab TCE Trend Chart (October 2013 through June 2014)                     |
| Figure 8 | ST006 Building 101 AOC Sub-Slab TCE Concentrations                            |

## **APPENDICES**

|            |                                                                     |
|------------|---------------------------------------------------------------------|
| Appendix A | GAC System Lifespan Calculation and Waste Inventory Tracking Report |
| Appendix B | Operation and Maintenance Field Forms                               |
| Appendix C | Daily Chemical Quality Control Reports                              |
| Appendix D | Validated Laboratory Data                                           |
| Appendix E | Raw Laboratory Data                                                 |
| Appendix F | Mass Contaminant Removal Calculation and Table                      |

## LIST OF ACRONYMS AND ABBREVIATIONS

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>ACFM</b>             | actual cubic feet per minute                          |
| <b>AFB</b>              | Air Force Base                                        |
| <b>AFCEC</b>            | Air Force Civil Engineer Center                       |
| <b>AOC</b>              | Area of Concern                                       |
| <b>BADP</b>             | Battery Acid Disposal Pit                             |
| <b>BADrP</b>            | Battery Acid Drainage Pit                             |
| <b>Bgs</b>              | below grade surface                                   |
| <b>CQCRs</b>            | Chemical Quality Control Reports                      |
| <b>FPM</b>              | FPM Remediations, Inc.                                |
| <b>GAC</b>              | Granular Activated Carbon                             |
| <b>inch w.g.</b>        | inches of water column                                |
| <b>LUC/IC</b>           | Land use Control/Institutional Control                |
| <b>µg/m<sup>3</sup></b> | microgram per cubic meter                             |
| <b>O&amp;M</b>          | Operations and Maintenance                            |
| <b>ROD</b>              | Record of Decision                                    |
| <b>SVE</b>              | Soil Vapor Extraction                                 |
| <b>SVI</b>              | Soil Vapor Intrusion                                  |
| <b>TCE</b>              | trichloroethene                                       |
| <b>UFP QAPP</b>         | Uniform Federal Policy Quality Assurance Project Plan |
| <b>USEPA</b>            | United States Environmental Protection Agency         |
| <b>VMP</b>              | Vapor Monitoring Point                                |
| <b>VOCs</b>             | volatile organic compounds                            |

*This page is intentionally left blank.*

## 1 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., has been contracted by the Air Force Civil Engineer Center (AFCEC) to conduct Operation and Maintenance (O&M) on the Soil Vapor Extraction (SVE) system associated with ST006 Building 101 Area of Concern (AOC) at the former Griffiss Air Force Base (AFB), Rome, New York. The work at this site is conducted in accordance with provisions of the Basic Contract FA8903-10-D-8595 and Delivery Order #0014.

### 1.1 *Purpose*

The SVE system was installed in 2013 based on the 2013 Site Closure Evaluation (CAPE/FPM, September 2013). The objective of the system is to eliminate the potential Soil Vapor Intrusion (SVI) and to achieve site closure with unrestricted use at the ST006 Building 101 AOC. This O&M report is prepared to document the O&M activities for the 2<sup>nd</sup> Quarter of 2014 (April 2014 through June 2014). All activities were performed in accordance with the O&M Manual provided as Attachment 1 in the SVE System Installation and Start-up Completion Report (CAPE/FPM, March 2014). The Updated 2014 Uniform Federal Policy Quality Assurance Project Plan (UFP QAPP) for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, June 2014) and Health and Safety Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, July 2012) were also adhered to.

## **2 SITE INFORMATION**

### **2.1 *Site Location and History***

The former Griffiss AFB, located in Oneida County in central New York State, covered approximately 3,552 contiguous acres in the lowlands of the Mohawk River Valley in the city of Rome. Topography within the valley is relatively flat, with elevations on the former Griffiss AFB ranging from 435 to 595 feet above mean sea level. Three Mile Creek, Six Mile Creek (both of which drain into the New York State Barge Canal, located to the south of the base), and several state-designated wetlands are located on the former Griffiss AFB, which is bordered by the Mohawk River on the west.

The ST006 Building 101 AOC is located south of Apron 3 in the central portion of the base along the northern margin of the industrial complex (Figure 1). It is bounded by Hangar Road to the south, Building 100 to the east, and Apron 4 parking area to the west. Building 101 operates as an aircraft maintenance hangar.

The ST006 Building 101 AOC consists of a former Battery Acid Disposal Pit (BADP) and a former Battery Acid Drainage Pit (BADrP) (Figure 2 and Figure 3). The former BADP was located in the central portion of the building in an area designated as the Lead Battery Room. The BADP was in use from the early 1940s until 1985, when it was excavated. The BADP consisted of a pit beneath the concrete floor measuring approximately 2 feet long by 2 feet wide by 10 feet deep and was covered with a steel grate. Acids from spent batteries were neutralized with baking soda and poured into the BADP, where the neutralized liquid was allowed to percolate into the underlying soil. A 4-inch floor drain and overflow piping from the BADP ran west to the BADrP located beyond the west wall of the Lead Battery Room. The BADrP was approximately 17.5 feet long by 5.5 feet wide. Following removal of the BADP, a new 4-inch floor drain was installed at the former BADP location and piped to the BADrP. The BADrP was removed along with underlying soils in 1997. The former BADrP location was backfilled and sealed with concrete.

### **2.2 *2006 and 2007 Soil Vapor Intrusion Evaluation***

Soil Vapor Intrusion (SVI) sampling was conducted at the ST006 Building 101 AOC in fall 2006 and winter 2007. Soil vapor (exterior) and sub-slab vapor (interior) samples were collected in October 2006. The samples were collected and analyzed for volatile organic compounds (VOCs) using the USEPA Method TO-15. The second round of SVI sampling occurred in February 2007. Indoor and outdoor air samples were collected and also analyzed for VOCs using the United States Environmental Protection Agency (USEPA) Method TO-15. Results indicated that all soil vapor, indoor air, and outdoor air detections were below screening levels for industrial/commercial use (FPM, November 2007).

### **2.3 *Record of Decision***

The Final Record of Decision (ROD) (Air Force, September 2012) identified that the majority of soil and groundwater contamination has been removed from the ST006 Building 101 AOC. The

selected remedy is Land use Control/Institutional Controls (LUC/ICs) in the form of land use restrictions limiting future use to industrial/commercial purposes and re-evaluation for SVI if new construction is performed in the SVI restriction area. The SVI restriction area is shown in Figure 3, as the former battery room (including BADP) and the former BADrP.

#### **2.4 2013 Site Closure Evaluation and TCE Delineation Sampling**

The 2013 site closure evaluation, performed in February and April 2013, included SVI sampling and identification of risk-based screening levels for a residential scenario (Table 1). A total of ten sub-slab vapor samples, two indoor air samples and one outdoor air sample were collected and analyzed for VOCs according to the USEPA Method TO-15. Sub-slab trichloroethene (TCE) concentrations in the BADP (101SS-09, -10, -11, -12, and -13) ranged from non-detect to 200 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). Sub-slab TCE concentrations in the BADrP (101SS-04, -05, -06, -07, and -08) ranged from 950  $\mu\text{g}/\text{m}^3$  to 1,800  $\mu\text{g}/\text{m}^3$ . The residential sub-slab screening level for TCE is 70  $\mu\text{g}/\text{m}^3$ . Risk-based screening levels for a residential scenario were developed (Table 1). The development of the sub-slab vapor screening levels is detailed in the Final ST006 Building 101 AOC Site Closure Evaluation Report (CAPE/FPM, September 2013).

Four additional sub-slab samples west and northwest of the area were collected in July 2013 to delineate the TCE contamination and to ensure that the source emanates from the former BADrP. All samples were analyzed for VOCs using the USEPA Method TO-15. The results confirmed that the TCE source is at the former BADrP (CAPE/FPM, March 2014).

#### **2.5 SVE System Installation**

Results from the 2013 Site Closure Evaluation showed a potential for unacceptable risk, primarily due to TCE, exists for indoor air inhalation resulting from SVI under a residential scenario (CAPE/FPM, September 2013). To remediate this unacceptable risk, an SVE system was installed on October 7, 2013. The SVE system is composed of one vertical well with a total combined screen length of 5 feet (3 to 8 feet below grade surface [bgs]), one vacuum pump capable of a flow rate of 20 actual cubic feet per minute (acfm), a vapor treatment system, and three Vapor monitoring points (VMPs). Extracted soil vapor is treated using two 200-pound granular activated carbon (GAC) drums. The calculated lifespan of the GAC system is approximately 132 days (FPM, September 2013). GAC lifespan was based on expected influent concentrations (the sum of sub-slab vapor samples collected in February 2013), flow rate of the SVE system, and GAC adsorption capacity. The GAC lifespan calculation is provided in Appendix A. The VMPs were also installed on October 7, 2013 and are positioned 10 feet, 20 feet, and 30 feet away from the extraction well to collect performance monitoring data. The SVE system layout is illustrated in Figure 3. Figure 4 provides an illustration of the SVE system schematic and extraction well cross section.

The baseline sampling event was conducted on October 17, 2013 and October 22, 2013 and consisted of sub-slab vapor, indoor air, outdoor air sampling. All samples were analyzed for VOCs using the USEPA Method TO-15. An influent sample was also collected following system start-up on October 22, 2013. That sample was collected from a sampling port on the exhaust stack prior to the vapor treatment system. Results showed TCE concentrations above the

sub-slab vapor screening level of  $70 \mu\text{g}/\text{m}^3$  at all three VMPs. The concentrations ranged from  $76 \mu\text{g}/\text{m}^3$  to  $540 \mu\text{g}/\text{m}^3$ . Exceedances reported in the indoor air or outdoor air samples are attributed to chemicals currently used in the building to perform maintenance, repair and overhaul of airplanes. Sub-slab vapor results are presented in Table 2, Indoor and Outdoor Air results are presented in Table 3, and the Influent sample results are presented in Table 4.

## **2.6 SVE System Operation and Maintenance**

O&M includes weekly system component readings (system temperature, flow, vacuum and motor status), knock-out tank inspections, quarterly vapor monitoring point (VMP) vacuum measurements, and granular activated carbon (GAC) disposal and replacement every four months. Indoor and outdoor air sampling, sub-slab vapor sampling, and influent sampling are conducted quarterly. Table 5 includes the SVE System O&M schedule and rationale. The following section describes the O&M activities performed post SVE system installation.

### **2.6.1 4<sup>th</sup> Quarter / Calendar Year 2013 (October - December)**

The SVE System was installed at ST006 Building 101 AOC during this quarter followed by approximately two months of operation. System flow rates ranged from 16 acfm to 17.83 acfm and the vacuum readings ranged from 8 to 10 inch inches of water column (inch w.g.) during this quarter.

### **2.6.2 1<sup>st</sup> Quarter / Calendar Year 2014 (January - March)**

System flow rates ranged from 14.8 acfm to 18.73 acfm and the vacuum readings ranged from 8 to 10 inch w.g. during this quarter. Sub-slab VMP vacuum readings ranged from 0.075 to 0.09 in w.g. at 101VMP-2 and from 0.005 to 0.01 in w.g. at 101VMP-3.

The system was found not to be operating upon arrival for a system check in January 2014. The shutdown was a result of a facility employee tampering with the system shutdown button (unknown individual). Therefore, a lock was placed on the system shutdown button the following day. In addition to the weekly inspections (conducted every Thursday), a weekly system check on Tuesdays has been implemented starting January 2014. Field notes are only recorded during the Tuesday system checks if operation issues are observed. No additional system shut downs or O&M activities were conducted during this quarter. Also, no water was observed in the knock-out tank. The two 200-pound GAC drums for the vapor treatment system were replaced on March 4, 2014. The waste inventory tracking sheet is provided in Appendix A.

#### **2.6.2.1 Soil Vapor Monitoring**

Sub-slab vapor, indoor and outdoor air sampling occurred on January 29, 2014. TCE was not detected in the indoor air samples. The outdoor air sample had a detection of  $1.1 \mu\text{g}/\text{m}^3$ . The sub-slab TCE concentrations were as follows:

- 101VMP-1 –  $17 \mu\text{g}/\text{m}^3$
- 101VMP-2 –  $18 \mu\text{g}/\text{m}^3$



- 101VMP-3 – 36  $\mu\text{g}/\text{m}^3$

All of the sub-slab results were below vapor screening levels for a residential use scenario.

Influent sampling occurred on January 28, 2014, prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack before carbon treatment. The TCE concentration detected in the influent sample was 32  $\mu\text{g}/\text{m}^3$ .

### 2.6.3 2<sup>nd</sup> Quarter / Calendar Year 2014 (April - June)

System flow rates ranged from 16.88 acfm to 18.72 acfm and the vacuum readings ranged from 9 to 10 inch w.g. during this quarter. The vacuum readings and system flow rates collected in previous two quarters and this quarter are illustrated on Figure 5 and Figure 6, respectively. Additional sub-slab vacuum readings were collected at 101VMP-2 and -3 nine times. Readings were collected once at 101VMP-1 as it is located in a restricted access area. The vacuum reading was 0.015 in w.g. at 101VMP-1, and the vacuum readings ranged from 0.075 to 0.15 in w.g. at 101VMP-2 and from 0.01 to 0.02 in w.g. at 101VMP-3. The vacuum readings are provided in Table 6. The O&M field forms are presented in Appendix B.

The two 200-pound GAC drums for the vapor treatment system were not replaced this quarter based on a 4 month replacement schedule. The waste inventory tracking sheet is provided in Appendix A.

#### 2.6.3.1 Soil Vapor Monitoring

Sub-slab vapor, indoor and outdoor air sampling occurred on April 16, 2014. All Daily Chemical Quality Controls Reports (CQCRs) completed during this event are provided in Appendix C. TCE was not detected in the indoor or outdoor air samples. The sub-slab TCE concentrations were as follows:

- 101VMP-1 – 18  $\mu\text{g}/\text{m}^3$
- 101VMP-2 – 130  $\mu\text{g}/\text{m}^3$
- 101VMP-3 – 50  $\mu\text{g}/\text{m}^3$

The sub-slab TCE concentration in 101VMP-2 was above vapor screening levels for a residential use scenario. All other sub-slab vapor results were below vapor screening levels for a residential use scenario. Figure 7 shows the sub-slab TCE vapor trend chart. Figure 8 illustrates the TCE concentrations and associated VMPs. All raw lab data and validated lab data are provided in Appendix D and Appendix E, respectively. Based on the evaluation of all information in the analytical data groups, the results have been verified to be 100% usable. Sub-slab vapor sample results are presented in Table 2 and Indoor and Outdoor Air sample results are presented in Table 3.

Influent sampling occurred on April 15, 2014 prior to sub-slab vapor sampling to determine effective SVE. The influent sampling location was installed on the SVE system's exhaust stack

before carbon treatment. The TCE concentration detected in the influent sample was 45 µg/m<sup>3</sup>. The influent sample results are provided in Table 4.

### 3 CONCLUSIONS

O&M activities conducted during this period of performance for the ST006 Building 101 AOC SVE system included weekly system component readings (system temperature, flow, vacuum, motor status, and knock-out tank inspection) and quarterly sub-slab vapor vacuum readings and sub-slab vapor, indoor air, outdoor air, and influent sampling. The 2Q/2014 sub-slab vapor sampling results indicated an increase in TCE concentration compared to the baseline sampling event at location 101VMP-02. Based on the original delineation of the site, this location is next to the highest concentrations of residual sub-slab vapor. During SVE system operation, the sub-slab vapor migrates towards the extraction well and therefore pockets of higher concentrations are being pulled past 101VMP-02. Once all residual sub-slab vapors have been extracted, it is expected for the sub-slab vapor concentrations in 101VMP-02 to decrease. Also, the TCE concentration detected in 101VMP-02 during the 2Q/2014 sampling event was above the sub-slab vapor screening level for a residential use scenario. The sampling results from 101VMP-1 and -3 were below screening levels. TCE was not detected in the indoor or outdoor air samples.

Contaminant mass removal has been estimated using the baseline and O&M influent air sampling results. An estimated 150 grams of VOCs have been extracted and treated from the sub-slab at the ST006 Building 101 AOC. The table including the influent concentrations, average flow rate and influent mass removal on a per day basis is provided in Appendix F.

### 4 RECOMMENDATIONS

Continued operation of the SVE system is recommended. The system has been in operation since October 2013. System shut-down and rebound will be evaluated if the October 2014 (4Q/2014) sampling results show that all TCE concentrations are below sub-slab screening levels.

In addition, it is also recommended to conduct effluent sampling in 3Q/2014. This data will be used to verify the previously calculated GAC system lifespan. The results and conclusions will be presented in the 3Q/2014 O&M Report.

## 5 REFERENCES

Air Force, Final Building 101 Area of Concern (ST006) Record of Decision, September 2012.

CAPE/FPM/AECOM, Draft 2013 Update Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York, August 2013.

CAPE/FPM, Final Soil Vapor Intrusion Evaluation for Building 101 AOC at the former Griffiss AFB, New York, September 2013.

CAPE/FPM, Installation and Start-up Completion and 4Q/2013 O&M Report for the SVE System at ST006 Building 101 AOC at the former Griffiss AFB, New York, March 2014.

CAPE/FPM, Draft 1<sup>st</sup> Quarter/2014 Operation and Maintenance Report, Soil Vapor Extraction System, ST006 Building 101 AOC, Former Griffiss Air Force Base, Rome, New York, July 2014.

CAPE/FPM, 2014 Updated Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York, June 2014.

FPM Group Ltd., Draft Report, Soil Vapor Intrusion Sampling, Building 101, former Griffiss Air Force Base, Rome, New York, Revision 0.0, November 2007.

*This page is intentionally left blank.*

## Tables

**Table 1**  
**ST006 Building 101 AOC**  
**Sub-Slab Vapor Screening Levels**

| Contaminant of Concern              | Residential Air RSL<br>( $\mu\text{g}/\text{m}^3$ ) <sup>a</sup> | Residential Sub-Slab<br>Vapor Screening Level<br>( $\mu\text{g}/\text{m}^3$ ) |
|-------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------|
|                                     | TR = 1E-05                                                       | EPA Recommended<br>Value ( $\text{AF}_{\text{s/ia}} = 0.03$ )                 |
| 1,1,1-Trichloroethane               | 5,200 (n)                                                        | 173,333                                                                       |
| 1,2,4-Trichlorobenzene              | 2.1 (n)                                                          | 70                                                                            |
| 1,2,4-Trimethylbenzene              | 7.3 (n)                                                          | 243.3                                                                         |
| 1,2-Dichlorobenzene                 | 210 (n)                                                          | 7,000                                                                         |
| 1,2-Dichloroethane                  | 0.94 (c)                                                         | 31.33                                                                         |
| 1,3,5-Trimethylbenzene              | NA                                                               | NA                                                                            |
| 1,4-Dichlorobenzene                 | 2.2 (c)                                                          | 73.33                                                                         |
| 2,2,4-Trimethylpentane              | NA                                                               | NA                                                                            |
| 4-Ethyltoluene                      | NA                                                               | NA                                                                            |
| 4-Isopropyltoluene                  | NA                                                               | NA                                                                            |
| Acetone                             | 32,000 (n)                                                       | 1,066,667                                                                     |
| Benzene                             | 3.1 (c)                                                          | 103.33                                                                        |
| Carbon disulfide                    | 730 (n)                                                          | 24,333                                                                        |
| Carbon tetrachloride                | 4.1 (c)                                                          | 136.67                                                                        |
| Chloroform                          | 1.1 (c)                                                          | 36.67                                                                         |
| Chloromethane                       | 94 (n)                                                           | 3,133                                                                         |
| Cis-1,2-Dichloroethene              | NA                                                               | NA                                                                            |
| Cumene (isopropylbenzene)           | 420 (n)                                                          | 14,000                                                                        |
| Cyclohexane                         | 6,300 (n)                                                        | 210,000                                                                       |
| Dichlorodifluoromethane             | 100 (n)                                                          | 3,333                                                                         |
| Ethylbenzene                        | 9.7 (c)                                                          | 323.33                                                                        |
| Freon 22 (Chlorodifluoromethane)    | 52,000 (n)                                                       | 1,733,333                                                                     |
| Freon TF (Trichlorotrifluoroethane) | 31,000 (n)                                                       | 1,033,333                                                                     |
| Isopropyl alcohol (isopropanol)     | 7,300 (n)                                                        | 243,333                                                                       |
| m,p-Xylene                          | 100 (n)                                                          | 3,333                                                                         |
| Methyl Butyl Ketone (2-Hexanone)    | 31 (n)                                                           | 1,033                                                                         |
| Methyl Ethyl Ketone                 | 5,200 (n)                                                        | 173,333                                                                       |
| methyl isobutyl ketone              | 3,100 (n)                                                        | 103,333                                                                       |
| Methyl tert-butyl ether             | 110 (c)                                                          | 3,666.67                                                                      |
| Methylene Chloride                  | 63 (n)                                                           | 2,100                                                                         |
| Naphthalene                         | 0.72 (c)                                                         | 24                                                                            |
| n-Butane                            | NA                                                               | NA                                                                            |
| n-Heptane                           | NA                                                               | NA                                                                            |
| n-Hexane                            | 730 (n)                                                          | 24,333                                                                        |
| n-Propylbenzene                     | 1000 (n)                                                         | 33,333                                                                        |
| Styrene                             | 1000 (n)                                                         | 33,333                                                                        |
| tert-Butyl alcohol                  | NA                                                               | NA                                                                            |
| Tetrachloroethene                   | 42 (n)                                                           | 1,400                                                                         |
| Tetrahydrofuran                     | 2,100 (n)                                                        | 70,000                                                                        |
| Toluene                             | 5,200 (n)                                                        | 173,333                                                                       |
| Trans-1,2-Dichloroethene            | 63 (n)                                                           | 2,100                                                                         |
| Trichloroethene                     | 2.1 (n)                                                          | 70                                                                            |
| Trichlorofluoromethane              | 730 (n)                                                          | 24,333                                                                        |
| Xylene, o-                          | 100 (n)                                                          | 3,333                                                                         |

Notes:

$\text{AF}_{\text{s/ia}}$ - Sub-slab vapor to indoor air attenuation factor = Concentration in Indoor Air/Concentration in Sub-Slab Vapor

NA- not available

TR- Target Risk

a- Residential RSL is the smaller (most protective) of the values calculated for the cancer or non-cancer endpoint at a target cancer risk of 1E-05 and a target hazard quotient of 1. RSLs corresponding to the noted cancer risk are indicated by (c). RSLs corresponding to a hazard index of 1 are indicated by (n).

$\mu\text{g}/\text{m}^3$  - microgram per cubic meter.

**Table 2**  
**ST006 Building 101 AOC**  
**SVE System Performance Monitoring**  
**Sub-slab Vapor Results**

| Sample Location                              | Sub-Slab Vapor<br>Screening Level<br>(Residential) <sup>1</sup><br>(µg/m <sup>3</sup> ) | 101VMP-01    |              |              | 101VMP-02    |              |              |
|----------------------------------------------|-----------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Sample ID                                    |                                                                                         | 101VMP0101AA | 101VMP0101BA | 101VMP0101CA | 101VMP0201AA | 101VMP0201BA | 101VMP0201CA |
| Sample Type                                  |                                                                                         | Sub-slab     | Sub-slab     | Sub-slab     | Sub-slab     | Sub-slab     | Sub-slab     |
| Sample Date                                  |                                                                                         | 22-Oct-2013  | 29-Jan-2014  | 16-Apr-2014  | 22-Oct-2013  | 29-Jan-2014  | 16-Apr-2014  |
| Sample Depth (ft bgs)                        |                                                                                         | 1            | 1            | 1            | 1            | 1            | 1            |
| Sample Collection Duration (hr)              |                                                                                         | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          | 0.5          |
| <b>Volatiles (TO-15) in µg/m<sup>3</sup></b> |                                                                                         |              |              |              |              |              |              |
| 1,1,1-Trichloroethane                        | 173,333                                                                                 | 3.9 J        | U            | U            | U            | U            | U            |
| 1,2,4-Trichlorobenzene                       | 70                                                                                      | U            | U            | 1.7 J        | U            | U            | U            |
| 1,2,4-Trimethylbenzene                       | 243.3                                                                                   | 15           | 4.5 ♦        | 4.9          | 12           | 5.1 J        | 24           |
| 1,2-Dichlorobenzene                          | 7000                                                                                    | U            | U            | U            | U            | U            | 8            |
| 1,2-Dichloroethane                           | 31.33                                                                                   | U            | U            | U            | U            | U            | U            |
| 1,3,5-Trimethylbenzene                       | NA                                                                                      | 4.3          | 1.3 J        | 1.5 J        | 3.6 J        | 12 J         | 11           |
| 1,3-Dichlorobenzene                          | NA                                                                                      | 280          | 38 ♦         | 27           | 130          | 26           | U            |
| 2,2,4-Trimethylpentane                       | NA                                                                                      | 7.6          | U            | 2.5 J        | 10           | U            | 2.7          |
| 4-Ethyltoluene                               | NA                                                                                      | 5.3          | 1.5 J        | 1.5 JD♦      | 4.3 J        | 4.1 J        | 8.8          |
| 4-Isopropyltoluene                           | NA                                                                                      | 1.4 J        | U            | U            | U            | U            | 2.3 J        |
| Acetone                                      | 1,066,667                                                                               | 350          | 320 ♦        | 280 D♦       | 3,100 J      | 760          | 98           |
| Benzene                                      | 103.33                                                                                  | 15           | 1.3 J♦       | 1.2 JM       | 22           | 7.3 J        | 2.7          |
| Carbon disulfide                             | 24,333                                                                                  | 23           | U            | 1.3 J♦       | 110          | 28           | 20           |
| Carbon tetrachloride                         | 136.67                                                                                  | 1.2 J        | U            | 0.68 J       | U            | U            | 0.51         |
| Chloroform                                   | 36.67                                                                                   | 24           | 18♦          | 14           | 21           | U            | 0.65 J       |
| Chloromethane                                | 3,133                                                                                   | 0.78 J       | U            | U            | 2.1 J        | U            | U            |
| Cumene (isopropylbenzene)                    | 14,000                                                                                  | 2.1 J        | 0.65J        | 0.81 J       | U            | U            | U            |
| Cyclohexane                                  | 210,000                                                                                 | 39           | 3.1 ♦        | U            | 54           | U            | U            |
| Dichlorodifluoromethane                      | 3,333                                                                                   | 3.6 J        | 3 J♦         | 3.7 J♦       | 3.9 J        | U            | 3.1 J        |
| Ethylbenzene                                 | 323.3                                                                                   | 24           | 4.2 ♦        | 3.0 J        | 19           | 140          | 190          |
| Freon 22 (chlorodifluoromethane)             | 1,733,333                                                                               | 4.5 J        | U            | 1.9 J        | 3.6 J        | U            | 2.2 J        |
| Freon TF (trichlorotrifluoroethane)          | 1,033,333                                                                               | 2.9 J        | U            | U            | U            | U            | U            |
| Isopropyl alcohol                            | 243,333                                                                                 | 6,900 J      | 130 ♦        | 46 J         | 14,000 J     | 160 J        | 38           |
| m,p-Xylene                                   | 3,333                                                                                   | 94           | 13           | 9.3          | 73           | 470          | 640          |
| Methyl Ethyl Ketone                          | 173,333                                                                                 | 700 J        | 39♦          | 48 ♦         | 2,400 J      | 1,200        | 140          |
| methyl isobutyl ketone                       | 103,333                                                                                 | U            | 2.2 J♦       | 5.2 J♦       | U            | 5.4 J        | 7.4          |
| Methyl methacrylate                          | NA                                                                                      | U            | 1 J          | 2.2 J        | U            | U            | 0.55 J       |
| Methyl tert-butyl ether                      | 3,666.67                                                                                | U            | U            | 1.9 J        | U            | U            | U            |
| Methylene Chloride                           | 2,100                                                                                   | 3.1 J        | 2 J♦         | U            | 4.1 J        | 7.9 J        | U            |
| n-Butane                                     | NA                                                                                      | 16           | 8.4 ♦        | 13           | 22           | U            | U            |
| n-Heptane                                    | NA                                                                                      | 16           | 3.3 M♦       | U            | 19           | U            | U            |
| n-Hexane                                     | 24,333                                                                                  | 34           | 1.7 JM♦      | 2.7 J        | 53           | U            | U            |
| n-Propylbenzene                              | 33,333                                                                                  | 3.4 J        | U            | U            | 2.7 J        | U            | U            |
| Styrene                                      | 33,333                                                                                  | 2.4 J        | 3.8          | 4.1          | 1.8 J        | 5.2 J        | U            |
| tert-Butyl alcohol                           | NA                                                                                      | U            | 9.7 J        | 21 J         | U            | U            | U            |
| Tetrachloroethene                            | 1,400                                                                                   | 2.2 J        | U            | U            | U            | U            | 4            |
| Tetrahydrofuran                              | 70,000                                                                                  | 3,100 J      | 43 J ♦       | 49 J♦        | 10,000 J     | 2,000        | 210          |
| Toluene                                      | 173,333                                                                                 | 300          | 21           | 17           | 240          | 170          | 140          |
| trans-1,2-Dichloroethene                     | 2,100                                                                                   | 1.4 J        | U            | U            | U            | U            | U            |
| Trichloroethene                              | 70                                                                                      | 540          | 17 ♦         | 18 ♦         | 82           | 18 J         | 130          |
| Trichlorofluoromethane                       | 24,333                                                                                  | 9.9          | 5.2 ♦        | 3.6 J♦       | 7.7 J        | 4.8 J        | 3.4          |
| Xylene, o-                                   | 3,333                                                                                   | 27           | 4.5          | 3.4 J        | 20           | 130          | 220          |

Notes:

Exceedance of screening level.

♦-Denotes higher nominal value of duplicate sample result.

J- The analyte was positively identified; the quantitation is an estimation.

M - A matrix effect was present.

U- Undetected at the Limit of Detection.

NA- not available

µg/m<sup>3</sup> - microgram per cubic meter.

1- The sub-slab vapor screening levels are risk-based screening levels developed from residential air USEPA RSL (May 2014).

**Table 2**  
**ST006 Building 101 AOC**  
**SVE System Performance Monitoring**  
**Sub-slab Vapor Results**

| Sample Location                        | Sub-Slab Vapor<br>Screening Level<br>(Residential) <sup>1</sup><br>(µg/m <sup>3</sup> ) | 101VMP-03    |              |              |
|----------------------------------------|-----------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Sample ID                              |                                                                                         | 101VMP0301AA | 101VMP0301BA | 101VMP0301CA |
| Sample Type                            |                                                                                         | Sub-slab     | Sub-slab     | Sub-slab     |
| Sample Date                            |                                                                                         | 22-Oct-2013  | 29-Jan-2014  | 16-Apr-2014  |
| Sample Depth (ft bgs)                  |                                                                                         | 1            | 1            | 1            |
| Sample Collection Duration (hr)        |                                                                                         | 0.5          | 0.5          | 0.5          |
| Volatiles (TO-15) in µg/m <sup>3</sup> |                                                                                         |              |              |              |
| 1,1,1-Trichloroethane                  | 173,333                                                                                 | U            | U            | U            |
| 1,2,4-Trichlorobenzene                 | 70                                                                                      | U            | U            | U            |
| 1,2,4-Trimethylbenzene                 | 243.3                                                                                   | 11 J ♦       | 8.5 J        | 1.1 J        |
| 1,2-Dichlorobenzene                    | 7000                                                                                    | U            | U            | U            |
| 1,2-Dichloroethane                     | 31.33                                                                                   | U            | U            | U            |
| 1,3,5-Trimethylbenzene                 | NA                                                                                      | U            | U            | U            |
| 1,3-Dichlorobenzene                    | NA                                                                                      | 170 ♦        | 15 J         | 1.9 J        |
| 2,2,4-Trimethylpentane                 | NA                                                                                      | U            | U            | U            |
| 4-Ethyltoluene                         | NA                                                                                      | U            | U            | U            |
| 4-Isopropyltoluene                     | NA                                                                                      | U            | U            | U            |
| Acetone                                | 1,066,667                                                                               | 640 ♦        | 700          | 310          |
| Benzene                                | 103.33                                                                                  | 23 J ♦       | U            | U            |
| Carbon disulfide                       | 24,333                                                                                  | 110          | 7 J          | U            |
| Carbon tetrachloride                   | 136.67                                                                                  | U            | U            | U            |
| Chloroform                             | 36.67                                                                                   | U            | U            | U            |
| Chloromethane                          | 3,133                                                                                   | U            | U            | U            |
| Cumene (isopropylbenzene)              | 14,000                                                                                  | U            | U            | U            |
| Cyclohexane                            | 210,000                                                                                 | 29 ♦         | U            | U            |
| Dichlorodifluoromethane                | 3,333                                                                                   | U            | U            | U            |
| Ethylbenzene                           | 323.3                                                                                   | 29 J ♦       | 24 J         | 9.9 J        |
| Freon 22 (chlorodifluoromethane)       | 1,733,333                                                                               | U            | U            | U            |
| Freon TF (trichlorotrifluoroethane)    | 1,033,333                                                                               | U            | U            | U            |
| Isopropyl alcohol                      | 243,333                                                                                 | 13,000 J ♦   | U            | 22 J         |
| m,p-Xylene                             | 3,333                                                                                   | 95 ♦         | 92           | 33 J         |
| Methyl Ethyl Ketone                    | 173,333                                                                                 | 1,100 ♦      | 1,300        | 540          |
| methyl isobutyl ketone                 | 103,333                                                                                 | U            | 400          | 230          |
| Methyl methacrylate                    | NA                                                                                      | U            | U            | U            |
| Methyl tert-butyl ether                | 3,666.67                                                                                | U            | U            | U            |
| Methylene Chloride                     | 2,100                                                                                   | 36 J ♦       | U            | U            |
| n-Butane                               | NA                                                                                      | 11 J ♦       | U            | U            |
| n-Heptane                              | NA                                                                                      | 12 J ♦       | U            | U            |
| n-Hexane                               | 24,333                                                                                  | 24 J ♦       | U            | U            |
| n-Propylbenzene                        | 33,333                                                                                  | U            | U            | U            |
| Styrene                                | 33,333                                                                                  | U            | 8.7 J        | U            |
| tert-Butyl alcohol                     | NA                                                                                      | 13 J ♦       | U            | U            |
| Tetrachloroethene                      | 1,400                                                                                   | 32 J ♦       | 23 J         | 29           |
| Tetrahydrofuran                        | 70,000                                                                                  | 25,000 J     | 3,500 J      | 1,300        |
| Toluene                                | 173,333                                                                                 | 3,900 ♦      | 1,100        | 500          |
| trans-1,2-Dichloroethene               | 2,100                                                                                   | U            | U            | U            |
| Trichloroethene                        | 70                                                                                      | 76 ♦         | 36           | 50           |
| Trichlorofluoromethane                 | 24,333                                                                                  | U            | U            | 3.4 J        |
| Xylene, o-                             | 3,333                                                                                   | 27 J ♦       | 37           | 10 J         |

Notes:

Exceedance of screening level.

♦-Denotes higher nominal value of duplicate sample result.

J- The analyte was positively identified; the quantitation is an estimate.

M - A matrix effect was present.

U- Undetected at the Limit of Detection.

NA- not available

µg/m<sup>3</sup> - microgram per cubic meter.

1- The sub-slab vapor screening levels are risk-based screening levels.



**Table 3**  
**ST006 Building 101 AOC**  
**SVE System Performance Monitoring**  
**Indoor and Outdoor Air Results**

| Sample Location                              | Indoor Air<br>Screening Level<br>(Residential) <sup>1</sup><br>(µg/m <sup>3</sup> ) | 1011A-03    |             |             | 1011A-04    |             |             |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Sample ID                                    |                                                                                     | 1011A0305AA | 1011A0305AA | 1011A0305CA | 1011A0405AA | 1011A0405AA | 1011A0405CA |
| Sample Type                                  |                                                                                     | Indoor      | Indoor      | Indoor      | Indoor      | Indoor      | Indoor      |
| Sample Date                                  |                                                                                     | 22-Oct-2013 | 29-Jan-2014 | 15-Apr-2014 | 22-Oct-2013 | 29-Jan-2014 | 15-Apr-2014 |
| Sample Depth (ft ags)                        |                                                                                     | 5           | 5           | 5           | 5           | 5           | 5           |
| Sample Collection Duration (hr)              |                                                                                     | 24          | 24          | 24          | 24          | 24          | 24          |
| <b>Volatiles (TO-15) in µg/m<sup>3</sup></b> |                                                                                     |             |             |             |             |             |             |
| 1,2,4-Trimethylbenzene                       | 7.3                                                                                 | 23          | 3.6 J       | 3.5 J       | 6.4         | 2 J         | 3.9 J       |
| 1,3,5-Trimethylbenzene                       | NA                                                                                  | 6.9         | U           | 1.3 J       | 2           | U           | 1.6 J       |
| 1,3-Butadiene                                | NA                                                                                  | 0.26 J      | U           | U           | 0.15 J      | U           | U           |
| 2,2,4-Trimethylpentane                       | NA                                                                                  | 2.3         | U           | 5.9         | 0.9 J       | U           | 6.9         |
| 4-Ethyltoluene                               | NA                                                                                  | 6.1         | U           | 0.80 J      | 1.6         | U           | 1.4 J       |
| 4-Isopropyltoluene                           | NA                                                                                  | 0.61 J      | U           | U           | U           | U           | U           |
| Acetone                                      | 32,000                                                                              | 470 J       | 570         | 300         | 260 J       | 330         | 320         |
| Benzene                                      | 0.31                                                                                | 1.9         | 1.6 J       | 1.2 J       | 0.97        | 1.3 J       | 1.2 J       |
| Carbon disulfide                             | 730                                                                                 | 2.7         | U           | U           | U           | U           | U           |
| Carbon tetrachloride                         | 0.41                                                                                | 0.6 J       | U           | U           | 0.52 J      | U           | U           |
| Chloroform                                   | 0.11                                                                                | 0.38 J      | U           | U           | 0.22 J      | U           | U           |
| Chloromethane                                | 94                                                                                  | 1.1         | 2.2 J       | U           | 1.1         | 2 J         | U           |
| Cumene (isopropylbenzene)                    | 420                                                                                 | 0.56 J      | U           | U           | 0.2 J       | U           | U           |
| Cyclohexane                                  | 6,300                                                                               | 1.8         | U           | U           | 0.7         | U           | U           |
| Dichlorodifluoromethane                      | 100                                                                                 | 2.9         | 3 J         | 3.5 J       | 2.6         | 3.2 J       | 3.9 J       |
| Ethylbenzene                                 | 0.97                                                                                | 2.5         | 2.4 J       | 2.0 J       | 1.3         | 1.4 J       | 2.4 J       |
| Freon 22 (chlorodifluoromethane)             | 52,000                                                                              | 3.6         | U           | 1.5 J       | 2.2         | U           | 2.0 J       |
| Freon TF (trichlorotrifluoroethane)          | 31,000                                                                              | 0.67 J      | U           | U           | 0.6 J       | U           | U           |
| Isopropyl alcohol                            | 7,300                                                                               | 80          | 91          | 180         | 50          | 58          | 190         |
| m,p-Xylene                                   | 100                                                                                 | 9.3         | 7.8 J       | 7.2 J       | 5.3         | 4.6 J       | 8.9 J       |
| Methyl Butyl Ketone (2-Hexanone)             | 31                                                                                  | 0.37 J      | U           | U           | 0.26 J      | U           | U           |
| Methyl Ethyl Ketone                          | 5,200                                                                               | 23          | 12          | 18          | 16          | 7.9         | 20          |
| methyl isobutyl ketone                       | 3,100                                                                               | 5.2         | 2.8 J       | 2.6 J       | 3.7         | 2.4 J       | 4.8 J       |
| Methylene Chloride                           | 96                                                                                  | 1.5 J       | 3.7 J       | U           | 1.3 J       | 2.4 J       | U           |
| Naphthalene                                  | 0.072                                                                               | 1 J         | U           | U           | U           | U           | U           |
| n-Butane                                     | NA                                                                                  | 11          | 15          | 20          | 5.1         | 10          | 22          |
| n-Heptane                                    | NA                                                                                  | 2.4         | U           | U           | 0.96        | 1.2 J       | U           |
| n-Hexane                                     | 730                                                                                 | 3.5         | 2.4 J       | 2.8 J       | 1.4         | 1.5 J       | 3.0 J       |
| n-Propylbenzene                              | 1,000                                                                               | 3.6         | U           | U           | 1           | U           | U           |
| sec-Butylbenzene                             | NA                                                                                  | 0.56 J      | U           | U           | U           | U           | U           |
| Styrene                                      | 1,000                                                                               | 0.51 J      | U           | U           | 0.23 J      | U           | U           |
| tert-Butyl alcohol                           | NA                                                                                  | 1.3 J       | U           | U           | 1.2 J       | U           | U           |
| Tetrachloroethene                            | 9.4                                                                                 | U           | U           | U           | U           | U           | U           |
| Tetrahydrofuran                              | 2,100                                                                               | 6.4 J       | U           | U           | 11 J        | U           | U           |
| Toluene                                      | 5,200                                                                               | 34          | 19          | 36          | 19          | 12          | 42          |
| Trichloroethene                              | 0.48                                                                                | 0.37 J      | U           | U           | U           | U           | U           |
| Trichlorofluoromethane                       | 730                                                                                 | 12          | 5.8 J       | 3.7 J       | 5.7         | 3.8 J       | 4.3 J       |
| Xylene, o-                                   | 100                                                                                 | 3.2         | 2.6 J       | 2.5 J       | 2.1         | 1.6 J       | 3.1 J       |

Notes:

Exceedance of screening level.

J- The analyte was positively identified; the quantitation is an estimation.

U- Undetected at the Limit of Detection.

NA- not available

µg/m<sup>3</sup>- microgram per cubic meter.

1- The indoor-air screening levels are from residential air USEPA RSL (May 2014).

**Table 3**  
**ST006 Building 101 AOC**  
**SVE System Performance Monitoring**  
**Indoor and Outdoor Air Results**

| Sample Location                              | Indoor Air<br>Screening Level<br>(Residential) <sup>1</sup><br>(µg/m <sup>3</sup> ) | 101OA-03    |             |             |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------------|-------------|-------------|
| Sample ID                                    |                                                                                     | 101OA0305AA | 101OA0305AA | 101OA0305CA |
| Sample Type                                  |                                                                                     | Outdoor     | Outdoor     | Outdoor     |
| Sample Date                                  |                                                                                     | 22-Oct-2013 | 29-Jan-2014 | 17-Apr-2014 |
| Sample Depth (ft ags)                        |                                                                                     | 5           | 5           | 5           |
| Sample Collection Duration (hr)              |                                                                                     | 24          | 24          | 24          |
| <b>Volatiles (TO-15) in µg/m<sup>3</sup></b> |                                                                                     |             |             |             |
| 1,2,4-Trimethylbenzene                       | 7.3                                                                                 | U           | U           | 0.43 J      |
| 1,3,5-Trimethylbenzene                       | NA                                                                                  | U           | U           | 0.20 J      |
| 1,3-Butadiene                                | NA                                                                                  | U           | U           | U           |
| 2,2,4-Trimethylpentane                       | NA                                                                                  | U           | U           | 0.23 J      |
| 4-Ethyltoluene                               | NA                                                                                  | U           | U           | 0.18 J      |
| 4-Isopropyltoluene                           | NA                                                                                  | U           | U           | U           |
| Acetone                                      | 32,000                                                                              | 8.3 J       | 6.7 J       | 9.3 J       |
| Benzene                                      | 0.31                                                                                | 0.25 J      | 0.67        | 0.3 J       |
| Carbon disulfide                             | 730                                                                                 | U           | U           | U           |
| Carbon tetrachloride                         | 0.41                                                                                | 0.49 J      | 0.49 J      | 0.44 J      |
| Chloroform                                   | 0.11                                                                                | U           | U           | U           |
| Chloromethane                                | 94                                                                                  | 1 J         | 1.8         | 1.1         |
| Cumene (isopropylbenzene)                    | 420                                                                                 | U           | U           | U           |
| Cyclohexane                                  | 6,300                                                                               | U           | U           | U           |
| Dichlorodifluoromethane                      | 100                                                                                 | 2.4 J       | 3.2         | 2.7         |
| Ethylbenzene                                 | 0.97                                                                                | U           | U           | U           |
| Freon 22 (chlorodifluoromethane)             | 52,000                                                                              | 0.89 J      | 1.3 J       | 0.93 J      |
| Freon TF (trichlorotrifluoroethane)          | 31,000                                                                              | 0.58 J      | 0.68 J      | 0.54 J      |
| Isopropyl alcohol                            | 7,300                                                                               | U           | U           | 1.5 J       |
| m,p-Xylene                                   | 100                                                                                 | 0.21 J      | U           | U           |
| Methyl Butyl Ketone (2-Hexanone)             | 31                                                                                  | U           | U           | U           |
| Methyl Ethyl Ketone                          | 5,200                                                                               | 0.75 J      | 0.94 J      | 1.3 J       |
| methyl isobutyl ketone                       | 3,100                                                                               | U           | U           | U           |
| Methylene Chloride                           | 96                                                                                  | 0.45 J      | 0.92 J      | U           |
| Naphthalene                                  | 0.072                                                                               | U           | U           | U           |
| n-Butane                                     | NA                                                                                  | 1.1 J       | 2.9         | 3.6         |
| n-Heptane                                    | NA                                                                                  | U           | U           | 2           |
| n-Hexane                                     | 730                                                                                 | 0.28 J      | 0.35 J      | 2.2         |
| n-Propylbenzene                              | 1,000                                                                               | U           | U           | U           |
| sec-Butylbenzene                             | NA                                                                                  | U           | U           | U           |
| Styrene                                      | 1,000                                                                               | U           | U           | U           |
| tert-Butyl alcohol                           | NA                                                                                  | U           | U           | U           |
| Tetrachloroethene                            | 9.4                                                                                 | U           | 2.0         | U           |
| Tetrahydrofuran                              | 2,100                                                                               | 0.25 J      | U           | U           |
| Toluene                                      | 5,200                                                                               | 0.68 J      | 0.54 J      | 1.4         |
| Trichloroethene                              | 0.48                                                                                | U           | 1.1         | U           |
| Trichlorofluoromethane                       | 730                                                                                 | 1.3         | 1.5         | 1.3         |
| Xylene, o-                                   | 100                                                                                 | U           | U           | U           |

Notes:

 Exceedance of screening level.

J- The analyte was positively identified; the quantitation is an estir

U- Undetected at the Limit of Detection.

NA- not available

µg/m<sup>3</sup>- microgram per cubic meter.

1- The indoor-air screening levels are from residential air USEPA

**Table 4**  
**ST006 Building 101 AOC**  
**SVE System Performance Monitoring**  
**Influent Results**

| Sample Location                        | 101CA       |             |             |
|----------------------------------------|-------------|-------------|-------------|
| Sample ID                              | 101CA01AA   | 101CA01BA   | 101CA01CA   |
| Sample Type                            | Influent    | Influent    | Influent    |
| Sample Date                            | 22-Oct-2013 | 28-Jan-2014 | 15-Apr-2014 |
| Sample Collection Duration (hr)        | 0.5         | 0.5         | 0.5         |
| Volatiles (TO-15) in µg/m <sup>3</sup> |             |             |             |
| 1,1,1-Trichloroethane                  | 1.5 J       | 2.5         | 2.6         |
| 1,2,4-Trimethylbenzene                 | 16          | U           | 1.1         |
| 1,3,5-Trimethylbenzene                 | 4.4         | 0.59 J      | 0.37 J      |
| 1,3-Dichlorobenzene                    | 270         | U           | U           |
| 2,2,4-Trimethylpentane                 | 3.1         | 0.33 J      | 1.1         |
| 4-Ethyltoluene                         | 5.5         | 0.68 J      | 0.35 J      |
| 4-Isopropyltoluene                     | 0.54 J      | U           | U           |
| Acetone                                | 40          | 29 J        | 31          |
| Benzene                                | 4.9         | 0.43 J      | 0.38 J      |
| Bromodichloromethane                   | U           | 0.42 J      | 0.63 J      |
| Carbon disulfide                       | U           | 0.24 J      | 2.3         |
| Carbon tetrachloride                   | 2.4 J       | 3.5         | 3.4         |
| Chloroform                             | 34          | 58          | 73          |
| Chloromethane                          | 0.23 J      | 0.29 J      | U           |
| Cumene (isopropylbenzene)              | 1.2 J       | U           | 0.09 J      |
| Cyclohexane                            | 13          | U           | U           |
| Dichlorodifluoromethane                | 2.4 J       | 4           | 3.8         |
| Ethylbenzene                           | 18          | 0.81 J      | 0.45 J      |
| Freon 22 (chlorodifluoromethane)       | 1.3 J       | 2           | 1.5 J       |
| Freon TF (trichlorotrifluoroethane)    | 1.5 J       | 1.1 J       | 1.1 J       |
| Isopropyl alcohol                      | 2,300 J     | 18          | 6.2 J       |
| m,p-Xylene                             | 74          | 2.9         | 2.1 J       |
| Methyl Ethyl Ketone                    | 74          | 3.7         | 3.2         |
| methyl isobutyl ketone                 | U           | 1.8 J       | 0.58 J      |
| Methylene Chloride                     | 1.8 J       | 0.97 J      | 3.0         |
| n-Butane                               | 0.52 J      | 1.3         | 1.8         |
| n-Heptane                              | 6.7         | U           | U           |
| n-Hexane                               | 6.1         | 0.35 J      | 0.28 J      |
| n-Propylbenzene                        | 3.3         | 0.41 J      | U           |
| Styrene                                | 1.5 J       | 0.22 J      | U           |
| tert-Butyl alcohol                     | 0.71 J      | 1.1 J       | U           |
| Tetrachloroethene                      | 2.3 J       | 8.7         | 14          |
| Tetrahydrofuran                        | 740 J       | 3.5 J       | U           |
| Toluene                                | 120         | 4.1         | 3.0         |
| Trichloroethene                        | 100         | 32          | 45          |
| Trichlorofluoromethane                 | 4.7         | 5.2         | 4.7         |
| Xylene, o-                             | 22          | 1.1         | 0.77        |

Notes:

J- The analyte was positively identified; the quantitation is an estimation.

U- Undetected at the Limit of Detection.

µg/m<sup>3</sup>- microgram per cubic meter.

**Table 5 ST006 Building 101 AOC, Operations and Maintenance Schedule**

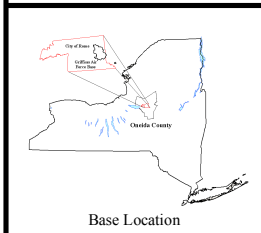
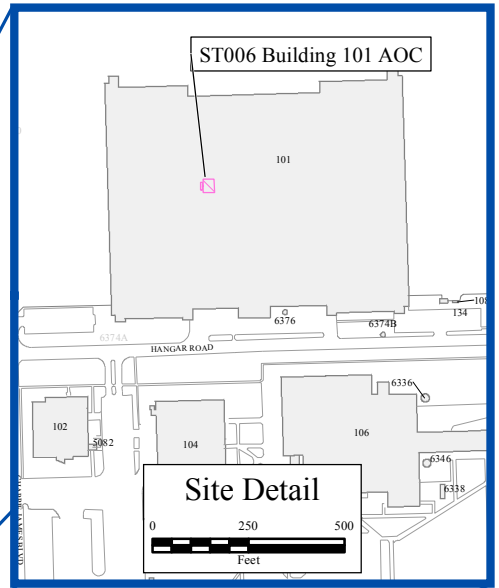
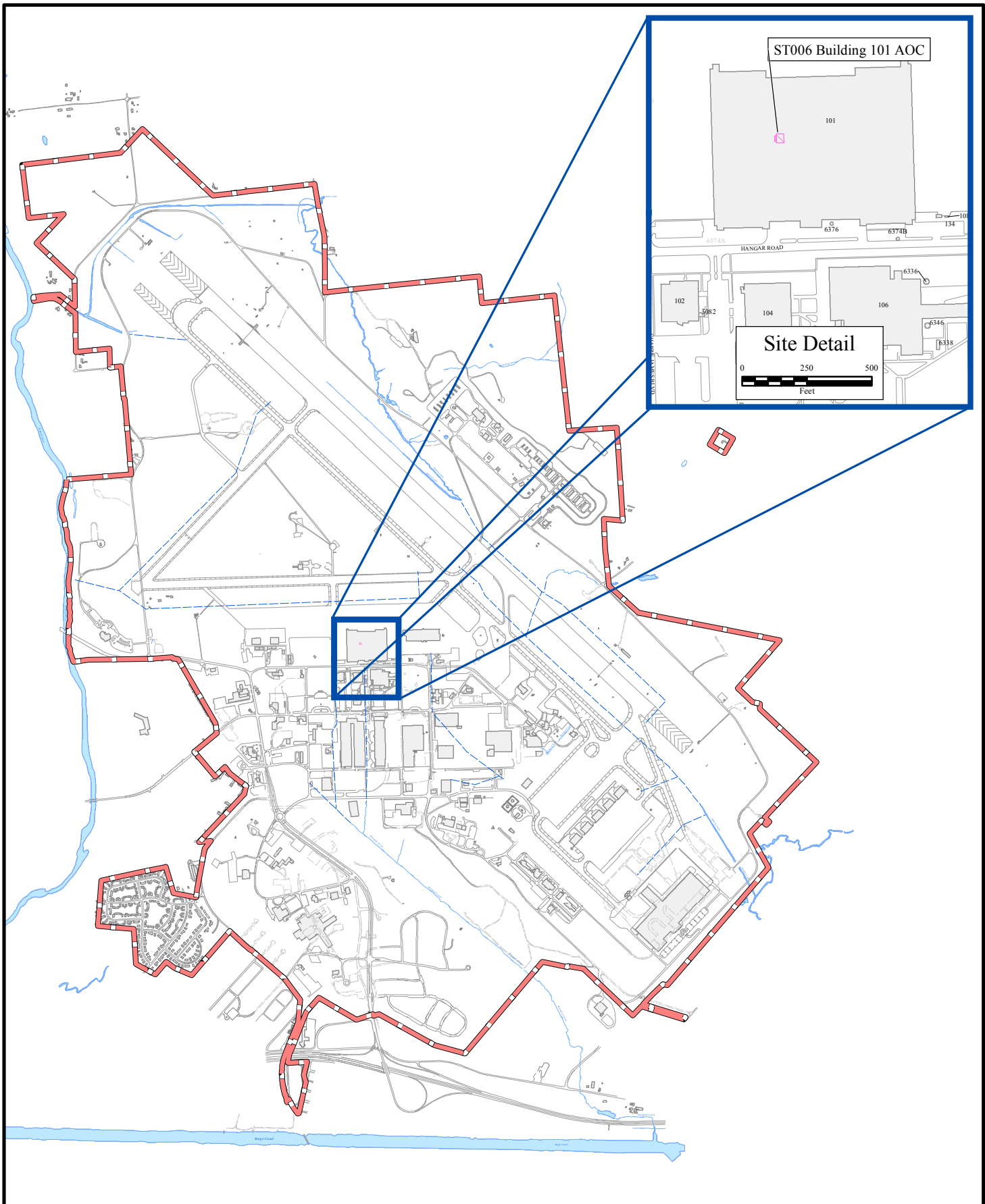
| <b>Field Activities</b>                            | <b>Rationale</b>                                                                 | <b>Sample Frequency</b> | <b>Location</b>                   |
|----------------------------------------------------|----------------------------------------------------------------------------------|-------------------------|-----------------------------------|
| <b>Basic System Operation</b>                      |                                                                                  |                         |                                   |
| VMP vacuum measurements                            | To determine the radius of influence.                                            | Quarterly               | Sub-Slab VMP                      |
| Field measurements                                 | To evaluate system effectiveness.                                                | Quarterly               | Sub-Slab VMP                      |
| Sub-Slab Vapor Sampling                            | To evaluate system effectiveness.                                                | Quarterly               | Sub-Slab VMPs                     |
| Indoor Air, Outdoor Air, and Influent Air Sampling | To evaluate system effectiveness.                                                | Quarterly               | BADP, BADrP, outdoors, and system |
| Effluent Air Sampling                              | To verify GAC replacement schedule.                                              | Periodically            | System                            |
| System Component Readings                          | System temperature, flow, vacuum and motor status to determine proper operation. | Weekly                  | Vacuum Blower                     |

**Table 6**  
**ST006 Building 101 AOC**  
**SVE System VMP Vacuum Readings**

| Date             | 101VMP-1 | 101VMP-2 | 101VMP-3 |
|------------------|----------|----------|----------|
| Vacuum (in w.g.) |          |          |          |
| <b>1Q/2014</b>   |          |          |          |
| 1/9/2014         | NA       | 0.08     | 0.01     |
| 1/16/2014        | NA       | 0.09     | 0.01     |
| 2/6/2014         | NA       | 0.08     | 0.01     |
| 2/13/2014        | NA       | 0.08     | 0.01     |
| 2/24/2014        | NA       | 0.08     | 0.01     |
| 2/27/2014        | NA       | 0.08     | 0.01     |
| 3/13/2014        | NA       | 0.075    | 0.01     |
| 3/20/2014        | NA       | 0.075    | 0.005    |
| <b>2Q/2014</b>   |          |          |          |
| 4/10/2014        | NA       | 0.075    | 0.01     |
| 4/15/2014        | 0.015    | 0.095    | 0.02     |
| 4/24/2014        | NA       | 0.15     | 0.02     |
| 5/1/2014         | NA       | 0.1      | 0.02     |
| 5/8/2014         | NA       | 0.09     | 0.01     |
| 5/15/2014        | NA       | 0.09     | 0.01     |
| 5/21/2014        | NA       | 0.085    | 0.01     |
| 6/20/2014        | NA       | 0.11     | 0.01     |
| 6/26/2014        | NA       | 0.08     | 0.01     |

NA - not available

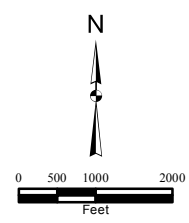
## Figures



**Key to Features**

|                          |                        |
|--------------------------|------------------------|
| Base Boundary            | Existing Facility      |
| Culvert / Ditch          | ST006 Building 101 AOC |
| Surface Water            |                        |
| Existing Road/Airfield   |                        |
| Demolished Road/Airfield |                        |

Map is projected in accordance with the State Plane New York Central - 3102 (NAD 83, Feet)





UNITED STATES AIR FORCE  
FORMER GRIFFISS AIR FORCE BASE  
ROME, NEW YORK

**Figure 1**  
**Building 101**  
**Site Location**

**FPM** Remediations, Inc.

May 2014





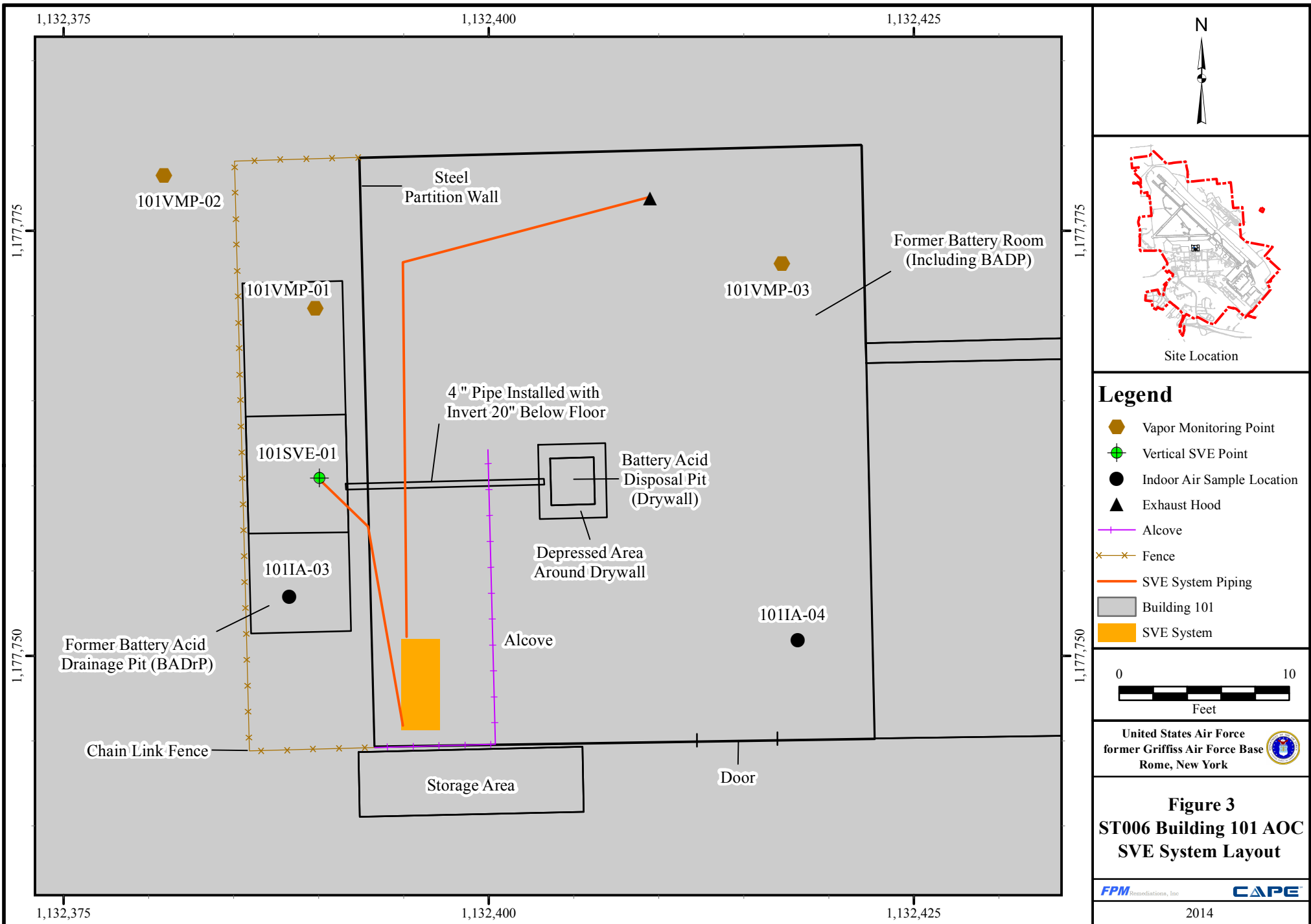


**Figure 4**  
**ST006 Building 101 AOC**  
**Soil Vapor Extraction System**  
**Schematic and Extraction Well Cross Section**

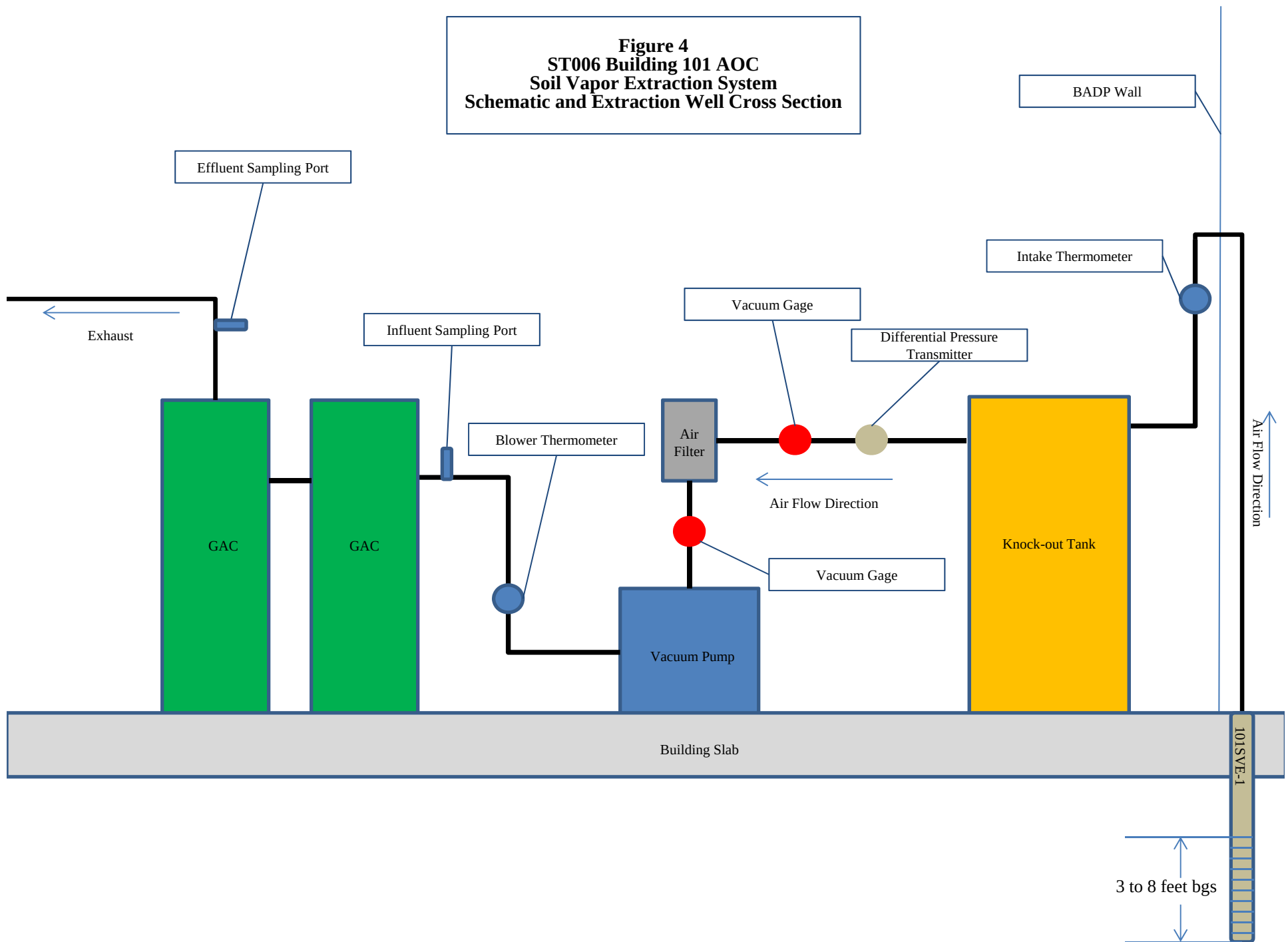


**Figure 5**  
**101SVE-1 Long Term Operation Vacuum Rate**  
**(October 2013 through June 2014)**

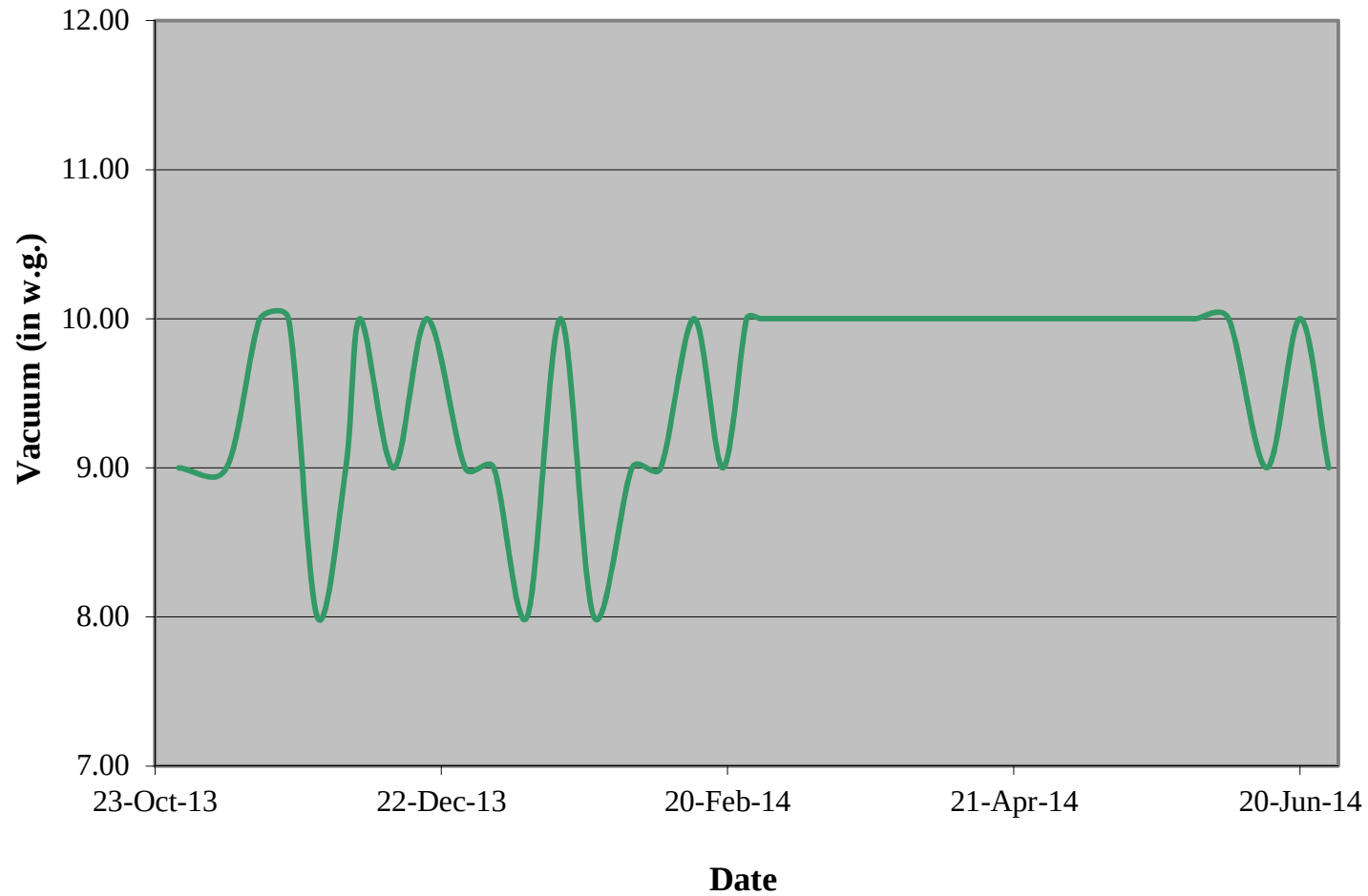


**Figure 6**  
**101SVE-1 Long Term Operation Flow Rate**  
**(October 2013 through June 2014)**

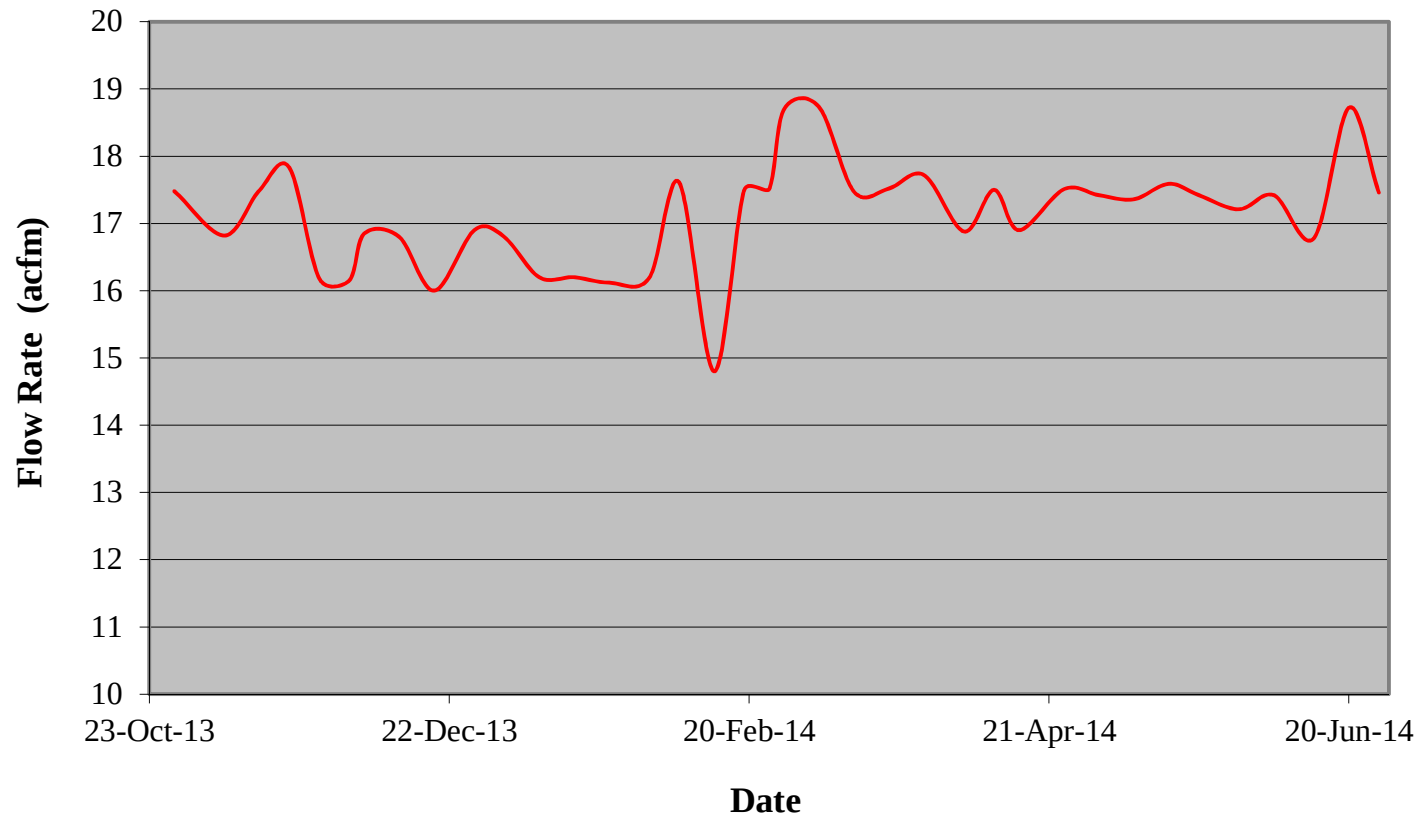
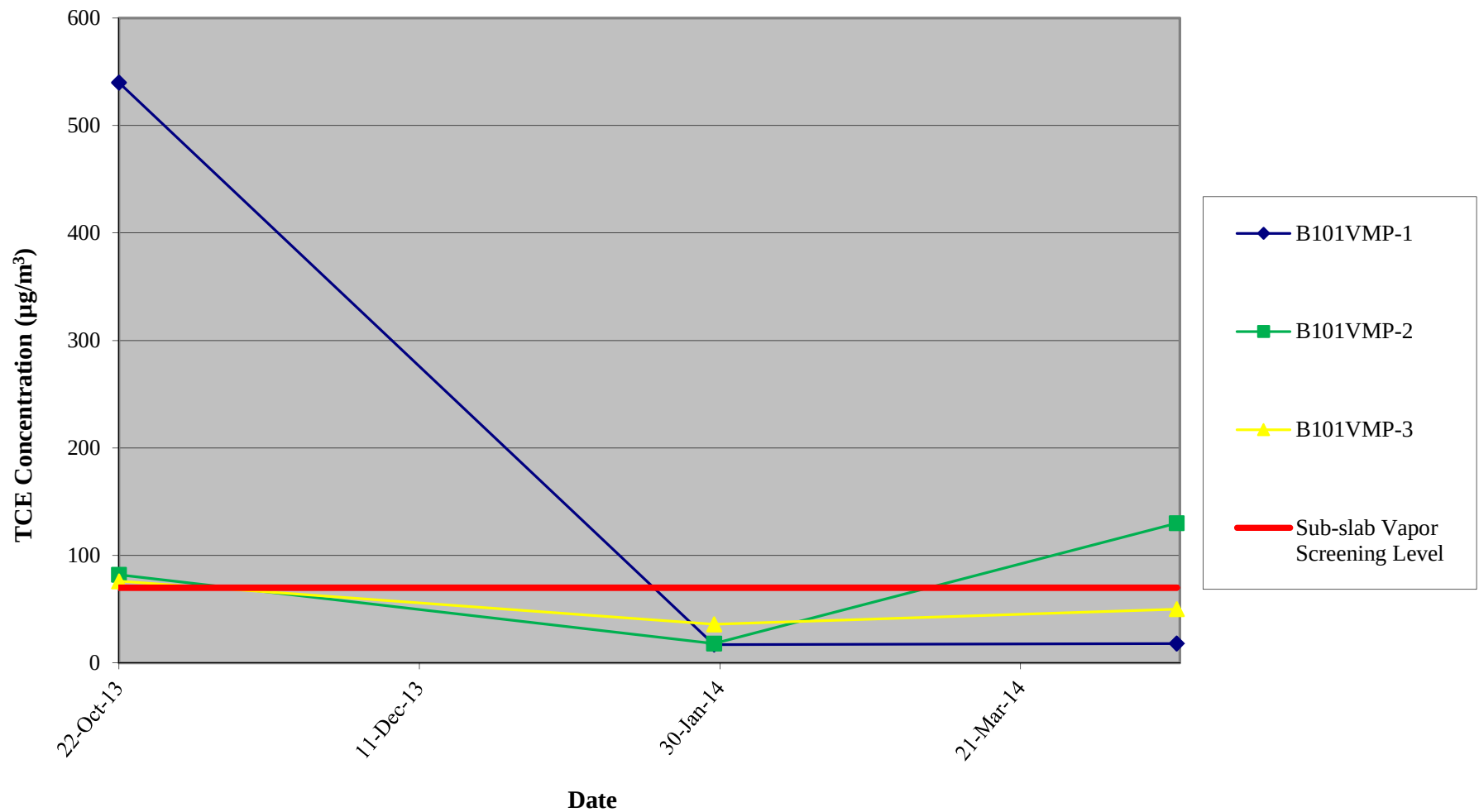
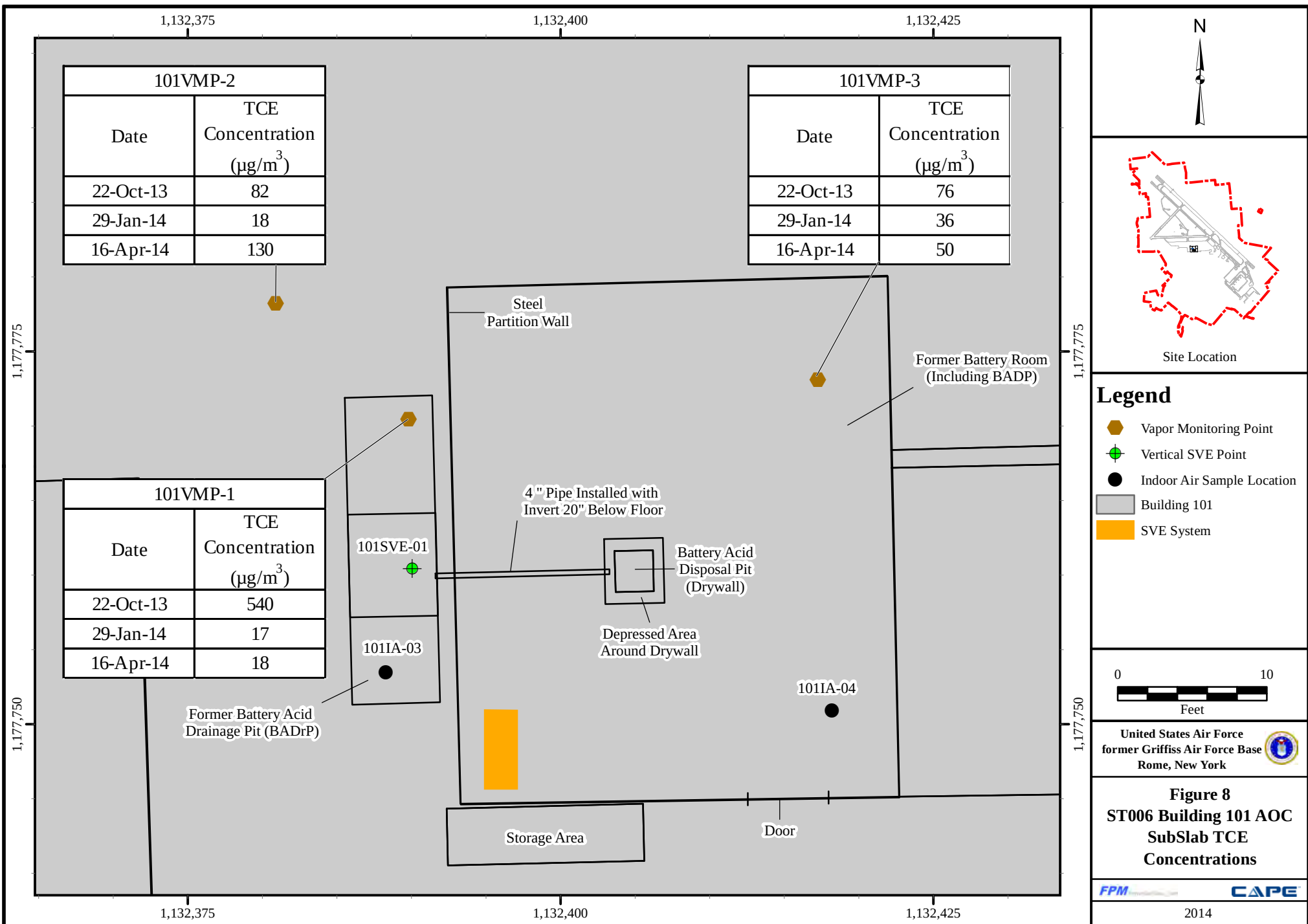


**Figure 7**  
**Sub-Slab TCE Trend Chart**  
**(October 2013 through June 2014)**



Note: Not detected results are plotted as 0.10  $\mu\text{g}/\text{m}^3$ .



## **Appendix A**

### **GAC System Lifespan Calculation and Waste Inventory Tracking Report**

ST006 Building 101 AOC Carbon Drum Life Span

|                               |          |
|-------------------------------|----------|
| Flow in Cubic Feet per Minute | 20       |
| Flow in Cubic Meter per Day   | 816.1518 |

| Volatiles (TO-15)                  | Mol. Weight | Volatiles ( $\mu\text{g}/\text{m}^3$ ) <sup>1</sup> | Volatiles (g/day) | adsorption <sup>2</sup> | Carbon (g/day)     |
|------------------------------------|-------------|-----------------------------------------------------|-------------------|-------------------------|--------------------|
| Tetrachloroethene (pce)            | 165         | 424                                                 | 0.3458851         | 35%                     | 0.988243           |
| Xylene (total)                     | 106         | 1867                                                | 1.5240003         | 21%                     | 7.257144           |
| Naphthalene                        | 128         | 38                                                  | 0.0312586         | 20%                     | 0.156293           |
| Toluene                            | 92          | 24360                                               | 19.8810504        | 20%                     | 99.405252          |
| Benzene                            | 78          | 76                                                  | 0.0620275         | 12%                     | 0.516896           |
| n-Hexane                           | 86          | 208                                                 | 0.1697596         | 7%                      | 2.425137           |
| Methyl Ethyl Ketone                | 72          | 28                                                  | 0.0224442         | 4%                      | 0.561104           |
| Methylene Chloride                 | 84          | 199                                                 | 0.1624958         | 2%                      | 8.124791           |
| Acetone                            | 58          | 12007                                               | 9.7995350         | 0.8%                    | 1224.941872        |
| Trichloroethene (TCE)              | 131         | 6820                                                | 5.5661555         | 20%                     | 27.830777          |
| average adsorption                 |             |                                                     | <b>37.56</b>      |                         | <b>1372.207511</b> |
| Average lifespan of two 200# drum: |             |                                                     |                   |                         | 132                |

days

Notes:

1 - These values are based on the sum of sub-slab vapor samples collected in 2013.

2 - The % adsorption was taken from granular activated carbon manufacturer (Carbtrol) documentation.



## Waste Inventory Tracking Form

Location: Building 101

Project Name: 1015-11-01 B101/FPTA

Activities: Spent Carbon Generation

| Date   | Activity Generating Waste<br>(borehole # / well #) | Description of<br>Waste | Field Evidence<br>of<br>Contamination | Estimated<br>Volume<br>(gals) | Type of<br>Container<br>(storage ID #) | Location of<br>Container | Waste Characterization |
|--------|----------------------------------------------------|-------------------------|---------------------------------------|-------------------------------|----------------------------------------|--------------------------|------------------------|
| 3/4/14 | Vapor Extraction-<br>101SVE-1                      | Carbon                  |                                       | 55                            | Steel,<br>Drum                         | Apron 2                  |                        |
| 3/4/14 | Vapor Extraction-<br>101SVE-1                      | Carbon                  |                                       | 55                            | Steel,<br>Drum                         | Apron 2                  |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |
|        |                                                    |                         |                                       |                               |                                        |                          |                        |

Note: Describe whether soil or water samples have been collected for waste characterization, include date, if known.

Comments : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature : \_\_\_\_\_

## **Appendix B**

### **Operation and Maintenance Field Forms**

**Building 101 SVE System  
O&M Field Form**

h  
w  
w

|                      |                                   |                                              |        |
|----------------------|-----------------------------------|----------------------------------------------|--------|
| <b>Date:</b>         | 4/4/2014                          |                                              |        |
| <b>Conducted By:</b> | VM                                |                                              |        |
| <b>Patm (in hg):</b> | 30.07                             | <b>Operating Hours:</b>                      | 3763.3 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.3    |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 85     |
| <b>After Filter</b>  | -12                               | <b>Intake Temp (deg<br/>F)</b>               | 70     |

Flow  
ACFM  
16.93

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 |      |                    |
| 101VMP-2 |      |                    |
| 101VMP-3 |      |                    |

**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |      |
|----------------------|-----------------------------------|----------------------------------------------|------|
| <b>Date:</b>         | 4-10-14                           |                                              |      |
| <b>Conducted By:</b> | MG/JT                             |                                              |      |
| <b>Patm (in hg):</b> | 30.06 (in HG)                     | <b>Operating Hours:</b>                      | 3906 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.4  |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 85°F |
| <b>After Filter</b>  | -12                               | <b>Intake Temp (deg<br/>F)</b>               | 70°F |

Flow  
ACFM  
17.5

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 10:07 | .075               |
| 101VMP-3 | 10:05 | .01                |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |        |
|---------------|---------------------------|--------------------------------------|--------|
| Date:         | 4/15/14                   |                                      |        |
| Conducted By: | mm                        |                                      |        |
| Patm (in hg): | 30.06                     | Operating Hours:                     | 4029.5 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.3    |
| Before Filter | <del>vacuum</del> -10     | Blower Temp (deg<br>F)               | 85     |
| After Filter  | <del>vacuum</del> -11     | Intake Temp (deg<br>F)               | 72     |

Flow  
ACFM  
16.9

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 | 1425 | 0.015              |
| 101VMP-2 | 1420 | 0.095              |
| 101VMP-3 | 1415 | 0.02               |

**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |        |
|----------------------|-----------------------------------|----------------------------------------------|--------|
| <b>Date:</b>         | 4/17/14                           |                                              |        |
| <b>Conducted By:</b> | KM                                |                                              |        |
| <b>Patm (in hg):</b> |                                   | <b>Operating Hours:</b>                      | 4052.3 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.4    |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 85     |
| <b>After Filter</b>  | -12                               | <b>Intake Temp (deg<br/>F)</b>               | 72     |

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 |      |                    |
| 101VMP-2 |      |                    |
| 101VMP-3 |      |                    |

**Building 101 SVE System  
O&M Field Form**

|                      |                               |                                          |      |
|----------------------|-------------------------------|------------------------------------------|------|
| <b>Date:</b>         | 4-24-14                       |                                          |      |
| <b>Conducted By:</b> | MG                            |                                          |      |
| <b>Patm (in hg):</b> | 30.02 (in HG)                 | <b>Operating Hours:</b>                  | 4220 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge (in w.g.)</b> | <b>Differential Pressure (inch w.g.)</b> | 1.4  |
| <b>Before Filter</b> | -10                           | <b>Blower Temp (deg F)</b>               | 85°F |
| <b>After Filter</b>  | -12                           | <b>Intake Temp (deg F)</b>               | 70°F |

Flow  
ACFM -  
17.55

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       | <del>15</del> MG   |
| 101VMP-2 | 11:04 | .15                |
| 101VMP-3 | 10:56 | .02                |

**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |      |
|----------------------|-----------------------------------|----------------------------------------------|------|
| <b>Date:</b>         | 05-1-14                           |                                              |      |
| <b>Conducted By:</b> | MG                                |                                              |      |
| <b>Patm (in hg):</b> | 29.75 (in HG)                     | <b>Operating Hours:</b>                      | 4389 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.4  |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 98°F |
| <b>After Filter</b>  | -12                               | <b>Intake Temp (deg<br/>F)</b>               | 72°F |

Flow  
ACFM  
17.5

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 12:20 | 10                 |
| 101VMP-3 | 12:15 | 0.02               |



**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |      |
|----------------------|-----------------------------------|----------------------------------------------|------|
| <b>Date:</b>         | 5-8-14                            |                                              |      |
| <b>Conducted By:</b> | MG                                |                                              |      |
| <b>Patm (in hg):</b> | 29.53 (in HG)                     | <b>Operating Hours:</b>                      | 4554 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.4  |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 90°F |
| <b>After Filter</b>  | -12                               | <b>Intake Temp (deg<br/>F)</b>               | 70°F |

Flow  
ACFM-

17.43

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 09:35 | .09                |
| 101VMP-3 | 09:25 | 22.01 MG           |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |      |
|---------------|---------------------------|--------------------------------------|------|
| Date:         | 5-5-14                    |                                      |      |
| Conducted By: | NG                        |                                      |      |
| Patm (in hg): | 30.23 in Hg               | Operating Hours:                     | 4721 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.4  |
| Before Filter | -10                       | Blower Temp (deg<br>F)               | 95°F |
| After Filter  | -12                       | Intake Temp (deg<br>F)               | 75°F |

Flow  
ACFM-  
17.64

| Well ID  | Time  | Vacuum (inch w.g.)             |
|----------|-------|--------------------------------|
| 101VMP-1 |       |                                |
| 101VMP-2 | 07:45 | <del>0.00</del> 0.09 <i>km</i> |
| 101VMP-3 | 09:39 | <del>0.00</del> 0.01 <i>km</i> |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |      |
|---------------|---------------------------|--------------------------------------|------|
| Date:         | 5-21-14                   |                                      |      |
| Conducted By: | MG-JP                     |                                      |      |
| Patm (in hg): | 29.78 (INH G)             | Operating Hours:                     | 4892 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.4  |
| Before Filter | -10                       | Blower Temp (deg<br>F)               | 86°F |
| After Filter  | -12                       | Intake Temp (deg<br>F)               | 70°F |

Flow  
ACFM -  
17.48

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 12:00 | .085               |
| 101VMP-3 | 11:55 | .01                |

**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |        |
|----------------------|-----------------------------------|----------------------------------------------|--------|
| <b>Date:</b>         | 5/29/14                           |                                              |        |
| <b>Conducted By:</b> | KM                                |                                              |        |
| <b>Patm (in hg):</b> | 30.09                             | <b>Operating Hours:</b>                      | 5065.5 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.35   |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 85     |
| <b>After Filter</b>  | -11                               | <b>Intake Temp (deg<br/>F)</b>               | 70     |

Flow  
ACFM -  
17,23

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 |      |                    |
| 101VMP-2 |      |                    |
| 101VMP-3 |      |                    |

**Building 101 SVE System  
O&M Field Form**

|                      |                                   |                                              |        |
|----------------------|-----------------------------------|----------------------------------------------|--------|
| <b>Date:</b>         | 6-5-14                            |                                              |        |
| <b>Conducted By:</b> | MG                                |                                              |        |
| <b>Patm (in hg):</b> | 29.75                             | <b>Operating Hours:</b>                      | 5231.1 |
| <b>101SVE-1</b>      | <b>Vacuum Gauge<br/>(in w.g.)</b> | <b>Differential<br/>Pressure (inch w.g.)</b> | 1.4    |
| <b>Before Filter</b> | -10                               | <b>Blower Temp (deg<br/>F)</b>               | 85     |
| <b>After Filter</b>  | -11                               | <b>Intake Temp (deg<br/>F)</b>               | 70     |

Flow  
ACFM -  
17.45

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 |      |                    |
| 101VMP-2 |      |                    |
| 101VMP-3 |      |                    |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |        |
|---------------|---------------------------|--------------------------------------|--------|
| Date:         | 6/13/14                   |                                      |        |
| Conducted By: | km                        |                                      |        |
| Patm (in hg): | 29.78                     | Operating Hours:                     | 5418.2 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.3    |
| Before Filter | -9                        | Blower Temp (deg<br>F)               | 85     |
| After Filter  | -11                       | Intake Temp (deg<br>F)               | 70     |

Flow  
ACFM-  
16.82

| Well ID  | Time | Vacuum (inch w.g.) |
|----------|------|--------------------|
| 101VMP-1 |      |                    |
| 101VMP-2 |      |                    |
| 101VMP-3 |      |                    |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |      |
|---------------|---------------------------|--------------------------------------|------|
| Date:         | 6-20-14                   |                                      |      |
| Conducted By: | MG                        |                                      |      |
| Patm (in hg): | 30.03                     | Operating Hours:                     | 5587 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.6  |
| Before Filter | -10                       | Blower Temp (deg<br>F)               | 75°F |
| After Filter  | -11                       | Intake Temp (deg<br>F)               | 70°F |

Flow  
ACFM-

18.74

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 11:30 | .11                |
| 101VMP-3 | 11:25 | .01                |

**Building 101 SVE System  
O&M Field Form**

|               |                           |                                      |      |
|---------------|---------------------------|--------------------------------------|------|
| Date:         | 6-26-14                   |                                      |      |
| Conducted By: | MG                        |                                      |      |
| Patm (in hg): | 29.94 (in HG)             | Operating Hours:                     | 5732 |
| 101SVE-1      | Vacuum Gauge<br>(in w.g.) | Differential<br>Pressure (inch w.g.) | 1.4  |
| Before Filter | <del>19</del> -9          | Blower Temp (deg<br>F)               | 85°F |
| After Filter  | -11                       | Intake Temp (deg<br>F)               | 70°F |

Flow  
ACFM -  
17.50

| Well ID  | Time  | Vacuum (inch w.g.) |
|----------|-------|--------------------|
| 101VMP-1 |       |                    |
| 101VMP-2 | 13:00 | 28                 |
| 101VMP-3 | 12:43 | 21                 |



## **Appendix C**

### **Daily Chemical Quality Control Reports**

### Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014

Date: 4/15/2014

Project Name/Site Number: Griffiss ST006 Building 101 AOC Indoor and Outdoor Air Sampling.

Weather conditions: Average temperature: 60    Average barometric reading: 29.46  
Wind direction and speed: Southwest 6 mph  
Significant wind changes: gusts of 27 mph.

General description of tasks completed: ST006 Building 101 AOC Indoor and Outdoor Air Sampling.

---

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None.

---

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.

---

Sampling shipment completed: ☒ Yes ☐ No    Test America Courier.

DCQCR Prepared by: Daniel Baldyga, FPM Project Manager

Date: April 15, 2014

CQCC Signature: Concordia R. van Hoesel    Date: 4/17/14

#### ATTACHMENTS:

| Checklist | Daily Chemical Quality Control Report Attachments |
|-----------|---------------------------------------------------|
|           | ✓ Field sampling forms                            |
|           | ✓ Equipment Calibration Log                       |
|           | ✓ Copies of COCs                                  |
|           | ✓ SDG Table (See accompanying COCs)               |
|           | ✓ Daily Health and Safety Meeting Form            |

# INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 4/15/14 TIME: 1410

SAMPLE IDENTIFICATION: 101-FA-0305CA (BAP, P)

SAMPLE DEPTH: 5 ft above ground

FIELD PERSONNEL: km

INSTRUMENTS (model and serial number):

PUMP: NA

CGI: NA

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING:

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

Brown stain on Pump

VOCs used during normal operations of facility: solvents, fuel gas, refrigerants.

Weather conditions: Outdoor temperature: 35°F

Barometric pressure: 29.67 in hg

Precipitation: 0.07 inch

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 80°F

Location in relation to sample location: NO

Windows Closed? ☒ Yes ☐ No - hangar door opens periodically

can # 4544 Reg # 4031

# INDOOR/OUTDOOR AIR MONITORING FORM

DATE: 4/15/14 TIME: 1435  
 SAMPLE IDENTIFICATION: 101-FA 0405CA (BAPD)  
 SAMPLE DEPTH: 5 ft above ground  
 FIELD PERSONNEL: km

INSTRUMENTS (model and serial number):

PUMP: NA

CGI: NA

TYPE OF SAMPLE: ☒ INDOOR ☐ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -26

VACUUM AFTER SAMPLING: \_\_\_\_\_

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

NA

VOCs used during normal operations of facility: solvents, fuel  
gas, refrigerants

Weather conditions: Outdoor temperature: 48°F 35°F

Barometric pressure: 29.67 in hg

Precipitation: 0.07 in

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 80°F

Location in relation to sample location: NO

Windows Closed? ☐ Yes ☐ No in closed room

can # 4294 Reg # 3385

# INDOOR/OUTDOOR/AIR MONITORING FORM

re-collect on and again  
on 4/17/14

DATE: 4/15/14 - 4/16/14 TIME: 1445-1100

SAMPLE IDENTIFICATION: 1010A0305CA

SAMPLE DEPTH: 5 ft above ground

FIELD PERSONNEL: km

INSTRUMENTS (model and serial number):

PUMP: NA

CGI: NA

TYPE OF SAMPLE: ☐ INDOOR ☒ OUTDOOR

DURATION OF AIR SAMPLING: 24 hr

VOLUME OF AIR SAMPLED: 62

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING:

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

N/A

VOCs used during normal operations of facility: solvents, fuel gas, refrigerants

Weather conditions: Outdoor temperature: 35°F / 44.2°F

Barometric pressure: 29.67 in hg / 30.63 in hg

Precipitation: 0.07 in / 0.0 in

Ventilation conditions: poor / poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp.: 80°F

Location in relation to sample location: out doors

Windows Closed? ☒ Yes ☐ No - hangar door opens periodically.

Can # 2907 Reg # 2835  
4455

## WEATHER OBSERVATION FORM

LOCATION: Building 101

DATE: 4/15/2014

FIELD PERSONNEL: Kimethice

INSTRUMENTS (model and serial number):

Thermometer: N/A

Anemometer: N/A

|                      | Time<br>(military) | Precip.<br>(in) | Atmospheric<br>pressure<br>(in) | Temp.<br>(degrees F) | Wind<br>(mph) | Comments                   |
|----------------------|--------------------|-----------------|---------------------------------|----------------------|---------------|----------------------------|
| Prior to<br>Sampling | 0800               | 0.00            | 29.50                           | 64.3                 | 7.2<br>SE     |                            |
| Mid Day              | 1204               | 0.08            | 29.63                           | 38.2                 | 3.6<br>NW     | SNOW STORM<br>Low pressure |
|                      | 1304               | 0.07            | 29.67                           | 37.2                 | 3.0<br>NW     |                            |
| End of<br>Sampling   | 1703               | 0.04            | 29.80                           | 31.3                 | 8.5<br>WNW    |                            |

Notes: Additional measurements should be taken in case of weather condition changes.

Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:

1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

**Daily Health and Safety Meeting Form**

Date: 4/15/19 Time: 0830

Location: FPM office (sample room)

Weather Conditions: low front sys and snow

Meeting Type: Daily Health and Safety

Personnel Present: Kathina Mathice

Visitors Present: NA

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns: working in an airplane hangar and on apron.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NA

Property Damage: NA

Description (include sequence of events describing step by step how incident happened): NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented): NA

Report made by (Name): Kathina Mathice

SSHP Organization Title: Site Safety and Health Officer

### Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014

Date: 4/16/2014

Project Name/Site Number: Griffiss ST006 Building 101 AOC SubSlab Vapor Sampling.

Weather conditions: Average temperature: 37      Average barometric reading: 30.62

Wind direction and speed: West-Northwest 4 mph

Significant wind changes: gusts of 25 mph.

General description of tasks completed: ST006 Building 101 AOC SubSlab Vapor Sampling (101VMP-1, -2, and -3).

---

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None.

---

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None.

---

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.

---

Sampling shipment completed: ☒ Yes ☐ No      Test America Courier.

DCQCR Prepared by: Daniel Baldyga, FPM Project Manager

Date: April 16, 2014

CQCC Signature: Concordia R. van Hoesel Date: 4/16/14

ATTACHMENTS:

| Checklist | Daily Chemical Quality Control Report Attachments |
|-----------|---------------------------------------------------|
|           | ✓ Field sampling forms                            |
|           | ✓ Equipment Calibration Log                       |
|           | ✓ Copies of COCs                                  |
|           | ✓ SDG Table (See accompanying COCs)               |
|           | ✓ Daily Health and Safety Meeting Form            |



SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/16/14 TIME: 1040

SAMPLE IDENTIFICATION: 101VMP0301CA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: km/mg

INSTRUMENTS (model and serial number):

PUMP: RKI Eagle O<sub>2</sub>-20.5% CO<sub>2</sub>-0.8% TVH-30 ppm

CGI: NA

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): \_\_\_\_\_

SAMPLE PURGE VOLUME: to 1 L

VOLUME OF SOIL VAPOR EXTRACTED: 6 L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -30

VACUUM AFTER SAMPLING: -3

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

Dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents, fuel gas, refrigerants

Weather conditions: Outdoor temperature: 31.8°F

Barometric pressure: 30.50 in hg

Precipitation: 0.00

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F

Location in relation to sample location: NO

Windows Closed? ☒ Yes ☐ No

in closed room.

can # 2945 Reg # 4890

# SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/16/14 TIME: 1045

SAMPLE IDENTIFICATION: 101Vmp0201CA

SAMPLE DEPTH: 1 ft below slab

FIELD PERSONNEL: km

INSTRUMENTS (model and serial number):

PUMP: PK1 Eagle O<sub>2</sub>-19.8% CO<sub>2</sub>-0.8% T<sub>UH</sub>-25ppm

CGI: NA

TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): \_\_\_\_\_

SAMPLE PURGE VOLUME: 1L

VOLUME OF SOIL VAPOR EXTRACTED: 6L

SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28

VACUUM AFTER SAMPLING: \_\_\_\_\_

APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)

dry

Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):

VOCs used during normal operations of facility:

solvents, fuel gas, refrigerants

Weather conditions: Outdoor temperature: 32°F

Barometric pressure: 30.50 in hg

Precipitation: 0.00 in

Ventilation conditions: poor

Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F

Location in relation to sample location: NO

Windows Closed? ☒ Yes ☐ No

- hangar door opens periodically.

can # 2521 Reg # 4687

# SUB-SLAB VAPOR PROBE MONITORING FORM

DATE: 4/16/14 TIME: 1050  
 SAMPLE IDENTIFICATION: 101VMP0101CA/CC  
 SAMPLE DEPTH: 1 ft below slab  
 FIELD PERSONNEL: km / mG  
 INSTRUMENTS (model and serial number):  
 PUMP: RK1 O2-20.9 O2-0.0 T0H-35ppm  
 CGI: NA  
 TRACER GAS VERIFIED: ☐ Yes ☒ No TRACER GAS CONC. (%): \_\_\_\_\_  
 SAMPLE PURGE VOLUME: 1 L  
 VOLUME OF SOIL VAPOR EXTRACTED: 6 L  
 SUMMA CANISTER: VACUUM BEFORE SAMPLING: -28/-28  
 VACUUM AFTER SAMPLING: \_\_\_\_\_  
 APPARENT MOISTURE CONTENT: (DRY/MOIST/SATURATED/ETC.)  
Dry  
 Comments/Observations during sampling (spills, floor stains, odors, other instrument readings):  
 VOCs used during normal operations of facility:  
VOCs, solvents, refrigerants.  
 Weather conditions: Outdoor temperature: 32°F  
 Barometric pressure: 30.50 in hg  
 Precipitation: 0.00 in  
 Ventilation conditions: poor  
 Heating System Active? ☐ Yes ☒ No Indoor Air Temp: 70°F  
 Location in relation to sample location: NO  
 Windows Closed? ☒ Yes ☐ No

Normal Can # 3402 Reg # 4623  
 Duplicate can # 3835 Reg # 4702

# WEATHER OBSERVATION FORM

LOCATION: Building 107

DATE: 4/16/2014

FIELD PERSONNEL: K. Muntice, MT Gr. Fusi

INSTRUMENTS (model and serial number):

Thermometer: NA

Anemometer: NA

|                      | Time<br>(military) | Precip.<br>(in) | Atmospheric<br>pressure<br>(in) | Temp.<br>(degrees F) | Wind<br>(mph) | Comments |
|----------------------|--------------------|-----------------|---------------------------------|----------------------|---------------|----------|
| Prior to<br>Sampling | 0800               | 0.00            | 30.37                           | 27.5                 | 4.3<br>W      |          |
| Mid Day              | 1203               | 0.00            | 30.50                           | 31.8                 | 9.2<br>NW     |          |
|                      | 1303               | 0.00            | 30.51                           | 34.1                 | 6.7<br>NNW    |          |
| End of<br>Sampling   | 1703               | 0.00            | 30.51                           | 36.5                 | 24<br>WNW     |          |

Notes: Additional measurements should be taken in case of weather condition changes.

Air sampling will be postponed if conditions move outside the acceptable range.

Sampling Event Acceptable Range:

1. Precipitation: dry while conducting sampling.
2. Atmospheric pressure: 29.7 – 30.4 in Hg.
3. Temperature: 35 – 95 degrees F. The ground must be completely thawed.
4. Wind: <10 mph.

**Daily Health and Safety Meeting Form**

Date: 4/16/14 Time: 0830

Location: FPM office (sample room)

Weather Conditions: 30°F / 4.3 mph W / P. Cloudy

Meeting Type: Daily Health and Safety

Personnel Present:

Kathrina Mathre & Mark Grifasi

Visitors Present: NA

Visitor Training: NA

PPE Required: Modified D

Possible risks, injuries, concerns:

Working in an airplane hanger  
and on Apron.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

NA

Property Damage:

NA

Description (include sequence of events describing step by step how incident happened):

NA

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

NA

Report made by (Name):

Kathrina Mathre

SSHP Organization Title: Site Safety and Health Officer

## CHAIN OF CUSTODY RECORD

|                                                                                                                                         |                                                                             |                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Ship to: Kathryn Kelly<br>Test America - Burlington<br>30 Community Drive, Suite 11<br>South Burlington, VT 05403<br>Tel: (802)923-1027 | Project Name: Griffiss AFB 1015-11-01 B101<br>Sampler Name: Katrina Mattice | Send Results to: Daniel Baldyga<br>FPM Remediations Inc<br>584 Phoenix Dr<br>Rome, NY 13441<br>Phone: (315) 336-7721 Ext 207 |
| Carrier: Fedex                                                                                                                          | Sampler Signature: <i>Katrina Mattice</i>                                   |                                                                                                                              |

| Field Sample ID | Location ID (LOCID) | Date<br>2014 | Time | Analyses Requested |        |         |        |                         |                       |                      |                             |                  |                        | Comments |
|-----------------|---------------------|--------------|------|--------------------|--------|---------|--------|-------------------------|-----------------------|----------------------|-----------------------------|------------------|------------------------|----------|
|                 |                     |              |      | MATRIX             | SMCODE | SBD/SBD | SACODE | Start Vacuum<br>(in Hg) | End Vacuum<br>(in Hg) | No. of<br>Containers | VOCs Note 1<br>6 L canister | ANALYSIS<br>NOTE |                        |          |
| 101VMP0101CA    | 101VMP-1            | 4/16         | 1050 | GS                 | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1                           | 1                | Can # 3402, Reg # 4623 |          |
| 101VMP0201CA    | 101VMP-2            | 4/16         | 1045 | GS                 | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1                           | 1                | Can # 2521, Reg # 4687 |          |
| 101VMP0301CA    | 101VMP-3            | 4/16         | 1040 | GS                 | AC     | 0/0     | N      | -30                     | -3                    | 1                    | 1                           | 1                | Can # 2945, Reg # 4890 |          |
| 101VMP0101CC    | 101VMP-1            | 4/16         | 1050 | GS                 | AC     | 0/0     | FD     | -28                     | -4                    | 1                    | 1                           | 1                | Can # 3835, Reg # 4702 |          |
| 101IA0305CA     | 101IA-03(BADrP)     | 4/15         | 1440 | GS                 | AC     | 0/0     | N      | -30                     | -8                    | 1                    | 1                           | 1                | Can # 4544, Reg # 4031 |          |
| 101IA0405CA     | 101IA-04(BADP)      | 4/15         | 1435 | GS                 | AC     | 0/0     | N      | -26                     | -5                    | 1                    | 1                           | 1                | Can # 4294, Reg # 3385 |          |
| 101OA0305CA     | 101OA-03            | 4/17         | 1100 | GS                 | AC     | 0/0     | N      | -30                     |                       | 1                    | 1                           | 1                | Can # 4455, Reg #      |          |
| 101CA01CA       | 101 SVE Influent    | 4/15         | 1430 | GS                 | AC     | 0/0     | N      | -10                     | -2                    | 1                    | 1                           | 1                | Can # 4918, Reg # 5351 |          |
| 041614TB        | Trip Blank          | 4/16         | 1200 | GS                 | AC     | 0/0     | TB     | NA                      | NA                    | 1                    | 1                           | 1                | Can # 4141             |          |

**ANALYSIS NOTE 1: Cat B package required.**

|                                    |       |                                    |       |                       |       |
|------------------------------------|-------|------------------------------------|-------|-----------------------|-------|
| #1 Released by: (Sig)              | Date: | #2 Released by: (Sig)              | Date: | #3 Released by: (Sig) | Date: |
| Company Name:                      | Time: | Company Name: FPM Remediations Inc | Time: | Company Name:         | Time: |
| #1 Received by: (Sig)              | Date: | #2 Received by: (Sig)              | Date: | #3 Received by: (Sig) | Date: |
| Company Name: FPM Remediations Inc | Time: | Company Name:                      | Time: | Company Name:         | Time: |

**B** = Bailer  
**G** = Grab (only for EB).  
**NA** = Not Applicable (only for AB/TB)  
**PP** = Peristaltic Pump

**SACODE**  
**N = Normal Sample**  
**AB = Ambient Blank**  
**TB = Trip Blank**  
**EB = Equipment Blank**

SP = Submersible Pump  
AC = Air Container

MS = Matrix Spike  
SD = Matrix Spike Duplicate

## **Appendix D**

### **Raw Laboratory Data**



## ANALYTICAL REPORT

Job Number: 280-54595-1

Job Description: Griffiss AFB Soil Vapor

For:

FPM Remediations Inc  
584 Phoenix Drive  
Rome, NY 13441

Attention: Daniel Baldyga



Approved for release.  
Stephanie D Sanders  
Project Manager I  
4/30/2014 7:49 PM

---

Designee for  
Elaine M Walker, Project Manager II  
4955 Yarrow Street, Arvada, CO, 80002  
(303)736-0156  
elaine.walker@testamericainc.com  
04/30/2014

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

**TestAmerica Laboratories, Inc.**

TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002  
Tel (303) 736-0100 Fax (303) 431-7171 [www.testamericainc.com](http://www.testamericainc.com)



# Table of Contents

|                                      |     |
|--------------------------------------|-----|
| Cover Title Page . . . . .           | 1   |
| Data Summaries . . . . .             | 4   |
| Report Narrative . . . . .           | 4   |
| Manual Integration Summary . . . . . | 5   |
| Sample Summary . . . . .             | 9   |
| Executive Summary . . . . .          | 10  |
| Method Summary . . . . .             | 21  |
| Method / Analyst Summary . . . . .   | 22  |
| Sample Datasheets . . . . .          | 23  |
| QC Data Summary . . . . .            | 59  |
| Data Qualifiers . . . . .            | 65  |
| QC Association Summary . . . . .     | 66  |
| Lab Chronicle . . . . .              | 67  |
| Reagent Traceability . . . . .       | 70  |
| COAs . . . . .                       | 149 |
| Certification Summary . . . . .      | 155 |
| Organic Sample Data . . . . .        | 156 |
| Air - GC/MS VOA . . . . .            | 156 |
| TO15 . . . . .                       | 156 |
| TO15 QC Summary . . . . .            | 157 |
| TO15 Sample Data . . . . .           | 164 |
| Standards Data . . . . .             | 458 |
| TO15 ICAL Data . . . . .             | 458 |
| TO15 CCAL Data . . . . .             | 539 |
| Raw QC Data . . . . .                | 554 |
| TO15 Tune Data . . . . .             | 554 |

# Table of Contents

|                                        |     |
|----------------------------------------|-----|
| TO15 Blank Data .....                  | 560 |
| TO15 LCS/LCSD Data .....               | 582 |
| TO15 Run Logs .....                    | 589 |
| Pre-shipment Certification .....       | 591 |
| LCS Data .....                         | 594 |
| Blank Data .....                       | 600 |
| Tune Data .....                        | 625 |
| IS/RT Data .....                       | 631 |
| Clean Canister Data .....              | 637 |
| ICAL Data .....                        | 656 |
| ICV/CCV Data .....                     | 686 |
| Run Logs .....                         | 704 |
| Subcontracted Data .....               | 710 |
| Shipping and Receiving Documents ..... | 711 |
| Client Chain of Custody .....          | 712 |
| Sample Receipt Checklist .....         | 714 |

**CASE NARRATIVE**  
**Client: FPM Remediations Inc**  
**Project: Griffiss AFB Soil Vapor**  
**Report Number: 280-54595-1**

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 4/19/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

**EPA-21**

Samples 101VMP0101CA (280-54595-1), 101VMP0201CA (280-54595-2), 101VMP0301CA (280-54595-3), 101VMP0101CC (280-54595-4), 101IA0305CA (280-54595-5), 101IA0405CA (280-54595-6), 101OA0305CA (280-54595-7), 101CA01CA (280-54595-8) and 041614TB (280-54595-9) were analyzed for EPA-21 in accordance with TO-15. The samples were analyzed on 04/25/2014.

Several analytes were detected in method blank MB 200-71232/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples 101VMP0101CA (280-54595-1)[4X], 101VMP0201CA (280-54595-2)[2.5X], 101VMP0301CA (280-54595-3)[15.2X], 101VMP0101CC (280-54595-4)[5X], 101IA0305CA (280-54595-5)[5X] and 101IA0405CA (280-54595-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TO15 analysis.

All other quality control parameters were within the acceptance limits.

## AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.i Analysis Batch Number: 68234Lab Sample ID: IC 200-68234/4 Client Sample ID: \_\_\_\_\_Date Analyzed: 02/11/14 19:12 Lab File ID: 6101\_004.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME     | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|-------------------|-------------------|--------------------|---------|----------------|
|                   |                   | REASON             | ANALYST | DATE           |
| Trichloroethene   | 15.21             | Baseline Event     | lyonsb  | 02/12/14 09:19 |
| Tetrachloroethene | 18.69             | Baseline Event     | lyonsb  | 02/12/14 09:19 |

Lab Sample ID: IC 200-68234/5 Client Sample ID: \_\_\_\_\_Date Analyzed: 02/11/14 20:02 Lab File ID: 6101\_005.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME                    | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|----------------------------------|-------------------|--------------------|---------|----------------|
|                                  |                   | REASON             | ANALYST | DATE           |
| Freon 22                         | 4.53              | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Chloromethane                    | 5.02              | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Ethanol                          | 7.84              | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Acrolein                         | 8.43              | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| 3-Chloropropene                  | 9.40              | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Methyl tert-butyl ether          | 10.18             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Acrylonitrile                    | 10.39             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| n-Hexane                         | 10.66             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Ethyl acetate                    | 12.42             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Cyclohexane                      | 13.27             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| 1,1,1-Trichloroethane            | 13.29             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| n-Heptane                        | 14.29             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| n-Butanol                        | 15.05             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| 1,4-Dioxane                      | 15.93             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| cis-1,3-Dichloropropene          | 17.08             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| trans-1,3-Dichloropropene        | 18.19             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Methyl Butyl Ketone (2-Hexanone) | 18.96             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Ethylbenzene                     | 20.61             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Styrene                          | 21.58             | Baseline Event     | lyonsb  | 02/12/14 09:18 |
| Naphthalene                      | 28.30             | Baseline Event     | lyonsb  | 02/12/14 09:18 |

## AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.i Analysis Batch Number: 68234Lab Sample ID: IC 200-68234/6 Client Sample ID: \_\_\_\_\_Date Analyzed: 02/11/14 20:50 Lab File ID: 6101\_006.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|------------------------|-------------------|--------------------|---------|----------------|
|                        |                   | REASON             | ANALYST | DATE           |
| Acrolein               | 8.42              | Baseline Event     | lyonsb  | 02/12/14 09:15 |
| Acrylonitrile          | 10.40             | Baseline Event     | lyonsb  | 02/12/14 09:15 |
| cis-1,2-Dichloroethene | 12.38             | Baseline Event     | lyonsb  | 02/12/14 09:15 |
| 1,1,2-Trichloroethane  | 18.56             | Baseline Event     | lyonsb  | 02/12/14 09:15 |
| n-Dodecane             | 26.44             | Baseline Event     | lyonsb  | 02/12/14 09:15 |
| Naphthalene            | 28.32             | Baseline Event     | lyonsb  | 02/12/14 09:15 |

## AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.i Analysis Batch Number: 71232Lab Sample ID: MB 200-71232/6 Client Sample ID: \_\_\_\_\_Date Analyzed: 04/25/14 16:03 Lab File ID: 7223\_006.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME       | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|---------------------|-------------------|--------------------|---------|----------------|
|                     |                   | REASON             | ANALYST | DATE           |
| n-Heptane           | 14.28             | Baseline Event     | lyonsb  | 04/28/14 11:24 |
| 1,4-Dichlorobenzene | 24.23             | Baseline Event     | lyonsb  | 04/28/14 11:24 |
| 1,2-Dichlorobenzene | 24.83             | Baseline Event     | lyonsb  | 04/28/14 11:24 |

Lab Sample ID: 280-54595-1 Client Sample ID: 101VMP0101CADate Analyzed: 04/25/14 16:51 Lab File ID: 7223\_007.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|------------------------|-------------------|--------------------|---------|----------------|
|                        |                   | REASON             | ANALYST | DATE           |
| Freon 22               | 4.52              | Baseline Event     | lyonsb  | 04/28/14 11:25 |
| Trichlorofluoromethane | 7.17              | Baseline Event     | lyonsb  | 04/28/14 11:25 |
| Benzene                | 13.97             | Baseline Event     | lyonsb  | 04/28/14 11:25 |

Lab Sample ID: 280-54595-2 Client Sample ID: 101VMP0201CADate Analyzed: 04/25/14 17:40 Lab File ID: 7223\_008.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|------------------------|-------------------|--------------------|---------|----------------|
|                        |                   | REASON             | ANALYST | DATE           |
| Chloroform             | 12.97             | Baseline Event     | lyonsb  | 04/28/14 11:29 |
| 2,2,4-Trimethylpentane | 13.93             | Baseline Event     | lyonsb  | 04/28/14 11:29 |
| Tetrachloroethene      | 18.69             | Baseline Event     | lyonsb  | 04/28/14 11:29 |

## AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.i Analysis Batch Number: 71232Lab Sample ID: 280-54595-4 Client Sample ID: 101VMP0101CCDate Analyzed: 04/25/14 19:16 Lab File ID: 7223\_010.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|------------------------|-------------------|--------------------|---------|----------------|
|                        |                   | REASON             | ANALYST | DATE           |
| Freon 22               | 4.56              | Baseline Event     | lyonsb  | 04/28/14 11:32 |
| Trichlorofluoromethane | 7.22              | Baseline Event     | lyonsb  | 04/28/14 11:32 |
| Benzene                | 13.99             | Baseline Event     | lyonsb  | 04/28/14 11:32 |
| Xylene, o-             | 21.53             | Baseline Event     | lyonsb  | 04/28/14 11:32 |

Lab Sample ID: 280-54595-5 Client Sample ID: 101IA0305CADate Analyzed: 04/25/14 20:05 Lab File ID: 7223\_011.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|---------------|-------------------|--------------------|---------|----------------|
|               |                   | REASON             | ANALYST | DATE           |
| Freon 22      | 4.54              | Baseline Event     | lyonsb  | 04/28/14 11:32 |

Lab Sample ID: 280-54595-7 Client Sample ID: 101OA0305CADate Analyzed: 04/25/14 21:44 Lab File ID: 7223\_013.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|------------------------|-------------------|--------------------|---------|----------------|
|                        |                   | REASON             | ANALYST | DATE           |
| Trichlorofluoromethane | 7.21              | Baseline Event     | lyonsb  | 04/28/14 12:26 |
| Freon TF               | 8.44              | Baseline Event     | lyonsb  | 04/28/14 12:26 |
| n-Heptane              | 14.27             | Baseline Event     | lyonsb  | 04/28/14 12:26 |

Lab Sample ID: 280-54595-8 Client Sample ID: 101CA01CADate Analyzed: 04/25/14 22:34 Lab File ID: 7223\_014.d GC Column: RTX-624 ID: 0.32 (mm)

| COMPOUND NAME        | RETENTION<br>TIME | MANUAL INTEGRATION |         |                |
|----------------------|-------------------|--------------------|---------|----------------|
|                      |                   | REASON             | ANALYST | DATE           |
| Benzene              | 13.98             | Baseline Event     | lyonsb  | 04/28/14 12:28 |
| Bromodichloromethane | 16.22             | Baseline Event     | lyonsb  | 04/28/14 12:28 |



## SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 280-54595-1   | 101VMP0101CA     | Air           | 04/16/2014 1050      | 04/23/2014 1503       |
| 280-54595-2   | 101VMP0201CA     | Air           | 04/16/2014 1045      | 04/23/2014 1503       |
| 280-54595-3   | 101VMP0301CA     | Air           | 04/16/2014 1040      | 04/23/2014 1503       |
| 280-54595-4   | 101VMP0101CC     | Air           | 04/16/2014 1050      | 04/23/2014 1503       |
| 280-54595-5   | 101IA0305CA      | Air           | 04/15/2014 1440      | 04/23/2014 1503       |
| 280-54595-6   | 101IA0405CA      | Air           | 04/15/2014 1435      | 04/23/2014 1503       |
| 280-54595-7   | 101OA0305CA      | Air           | 04/17/2014 1100      | 04/23/2014 1503       |
| 280-54595-8   | 101CA01CA        | Air           | 04/15/2014 1430      | 04/23/2014 1503       |
| 280-54595-9TB | 041614TB         | Air           | 04/16/2014 1200      | 04/23/2014 1503       |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID    | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|---------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-1</b>       | <b>101VMP0101CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                     | 0.70   | J         | 2.0                | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                     | 3.5    | J         | 9.9                | ug/m3   | TO-15  |
| Freon 22                 |                     | 0.53   | J M       | 2.0                | ppb v/v | TO-15  |
| Freon 22                 |                     | 1.9    | J M       | 7.1                | ug/m3   | TO-15  |
| n-Butane                 |                     | 5.4    |           | 2.0                | ppb v/v | TO-15  |
| n-Butane                 |                     | 13     |           | 4.8                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                     | 0.60   | J M       | 0.80               | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                     | 3.4    | J M       | 4.5                | ug/m3   | TO-15  |
| Acetone                  |                     | 110    |           | 20                 | ppb v/v | TO-15  |
| Acetone                  |                     | 260    |           | 48                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                     | 19     | J         | 20                 | ppb v/v | TO-15  |
| Isopropyl alcohol        |                     | 46     | J         | 49                 | ug/m3   | TO-15  |
| tert-Butyl alcohol       |                     | 7.0    | J         | 20                 | ppb v/v | TO-15  |
| tert-Butyl alcohol       |                     | 21     | J         | 61                 | ug/m3   | TO-15  |
| Methyl tert-butyl ether  |                     | 0.53   | J         | 0.80               | ppb v/v | TO-15  |
| Methyl tert-butyl ether  |                     | 1.9    | J         | 2.9                | ug/m3   | TO-15  |
| n-Hexane                 |                     | 0.76   | J         | 0.80               | ppb v/v | TO-15  |
| n-Hexane                 |                     | 2.7    | J         | 2.8                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                     | 16     |           | 2.0                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                     | 46     |           | 5.9                | ug/m3   | TO-15  |
| Chloroform               |                     | 2.8    |           | 0.80               | ppb v/v | TO-15  |
| Chloroform               |                     | 14     |           | 3.9                | ug/m3   | TO-15  |
| Tetrahydrofuran          |                     | 15     | J         | 20                 | ppb v/v | TO-15  |
| Tetrahydrofuran          |                     | 44     | J         | 59                 | ug/m3   | TO-15  |
| Carbon tetrachloride     |                     | 0.11   | J         | 0.80               | ppb v/v | TO-15  |
| Carbon tetrachloride     |                     | 0.68   | J         | 5.0                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 0.54   | J         | 0.80               | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 2.5    | J         | 3.7                | ug/m3   | TO-15  |
| Benzene                  |                     | 0.37   | J M       | 0.80               | ppb v/v | TO-15  |
| Benzene                  |                     | 1.2    | J M       | 2.6                | ug/m3   | TO-15  |
| Trichloroethene          |                     | 2.9    |           | 0.80               | ppb v/v | TO-15  |
| Trichloroethene          |                     | 15     |           | 4.3                | ug/m3   | TO-15  |
| Methyl methacrylate      |                     | 0.54   | J         | 2.0                | ppb v/v | TO-15  |
| Methyl methacrylate      |                     | 2.2    | J         | 8.2                | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                     | 1.0    | J         | 2.0                | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                     | 4.3    | J         | 8.2                | ug/m3   | TO-15  |
| Toluene                  |                     | 4.4    |           | 0.80               | ppb v/v | TO-15  |
| Toluene                  |                     | 17     |           | 3.0                | ug/m3   | TO-15  |
| Ethylbenzene             |                     | 0.68   | J         | 0.80               | ppb v/v | TO-15  |
| Ethylbenzene             |                     | 3.0    | J         | 3.5                | ug/m3   | TO-15  |
| m,p-Xylene               |                     | 2.1    |           | 2.0                | ppb v/v | TO-15  |
| m,p-Xylene               |                     | 9.3    |           | 8.7                | ug/m3   | TO-15  |
| Xylene, o-               |                     | 0.78   | J         | 0.80               | ppb v/v | TO-15  |
| Xylene, o-               |                     | 3.4    | J         | 3.5                | ug/m3   | TO-15  |
| Xylene (total)           |                     | 2.9    |           | 0.80               | ppb v/v | TO-15  |
| Xylene (total)           |                     | 13     |           | 3.5                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|------------------|--------|-----------|--------------------|---------|--------|
| Styrene                  |                  | 0.96   |           | 0.80               | ppb v/v | TO-15  |
| Styrene                  |                  | 4.1    |           | 3.4                | ug/m3   | TO-15  |
| Cumene                   |                  | 0.16   | J         | 0.80               | ppb v/v | TO-15  |
| Cumene                   |                  | 0.81   | J         | 3.9                | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                  | 0.28   | J         | 0.80               | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                  | 1.4    | J         | 3.9                | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 0.30   | J         | 0.80               | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 1.5    | J         | 3.9                | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.99   |           | 0.80               | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 4.9    |           | 3.9                | ug/m3   | TO-15  |
| 1,3-Dichlorobenzene      |                  | 4.5    |           | 0.80               | ppb v/v | TO-15  |
| 1,3-Dichlorobenzene      |                  | 27     |           | 4.8                | ug/m3   | TO-15  |
| 1,2,4-Trichlorobenzene   |                  | 0.23   | J         | 2.0                | ppb v/v | TO-15  |
| 1,2,4-Trichlorobenzene   |                  | 1.7    | J         | 15                 | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID    | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|---------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-2</b>       | <b>101VMP0201CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                     | 0.64   | J         | 1.3                | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                     | 3.1    | J         | 6.2                | ug/m3   | TO-15  |
| Freon 22                 |                     | 0.63   | J         | 1.3                | ppb v/v | TO-15  |
| Freon 22                 |                     | 2.2    | J         | 4.4                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                     | 0.61   |           | 0.50               | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                     | 3.4    |           | 2.8                | ug/m3   | TO-15  |
| Acetone                  |                     | 41     |           | 13                 | ppb v/v | TO-15  |
| Acetone                  |                     | 98     |           | 30                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                     | 15     |           | 13                 | ppb v/v | TO-15  |
| Isopropyl alcohol        |                     | 38     |           | 31                 | ug/m3   | TO-15  |
| Carbon disulfide         |                     | 6.4    |           | 1.3                | ppb v/v | TO-15  |
| Carbon disulfide         |                     | 20     |           | 3.9                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                     | 46     |           | 1.3                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                     | 140    |           | 3.7                | ug/m3   | TO-15  |
| Chloroform               |                     | 0.13   | J M       | 0.50               | ppb v/v | TO-15  |
| Chloroform               |                     | 0.65   | J M       | 2.4                | ug/m3   | TO-15  |
| Tetrahydrofuran          |                     | 70     |           | 13                 | ppb v/v | TO-15  |
| Tetrahydrofuran          |                     | 210    |           | 37                 | ug/m3   | TO-15  |
| Carbon tetrachloride     |                     | 0.081  | J         | 0.50               | ppb v/v | TO-15  |
| Carbon tetrachloride     |                     | 0.51   | J         | 3.1                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 0.58   | M         | 0.50               | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 2.7    | M         | 2.3                | ug/m3   | TO-15  |
| Benzene                  |                     | 0.85   |           | 0.50               | ppb v/v | TO-15  |
| Benzene                  |                     | 2.7    |           | 1.6                | ug/m3   | TO-15  |
| Trichloroethene          |                     | 25     |           | 0.50               | ppb v/v | TO-15  |
| Trichloroethene          |                     | 130    |           | 2.7                | ug/m3   | TO-15  |
| Methyl methacrylate      |                     | 0.14   | J         | 1.3                | ppb v/v | TO-15  |
| Methyl methacrylate      |                     | 0.55   | J         | 5.1                | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                     | 1.8    |           | 1.3                | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                     | 7.4    |           | 5.1                | ug/m3   | TO-15  |
| Toluene                  |                     | 38     |           | 0.50               | ppb v/v | TO-15  |
| Toluene                  |                     | 140    |           | 1.9                | ug/m3   | TO-15  |
| Tetrachloroethene        |                     | 0.59   | M         | 0.50               | ppb v/v | TO-15  |
| Tetrachloroethene        |                     | 4.0    | M         | 3.4                | ug/m3   | TO-15  |
| Ethylbenzene             |                     | 44     |           | 0.50               | ppb v/v | TO-15  |
| Ethylbenzene             |                     | 190    |           | 2.2                | ug/m3   | TO-15  |
| m,p-Xylene               |                     | 150    |           | 1.3                | ppb v/v | TO-15  |
| m,p-Xylene               |                     | 640    |           | 5.4                | ug/m3   | TO-15  |
| Xylene, o-               |                     | 51     |           | 0.50               | ppb v/v | TO-15  |
| Xylene, o-               |                     | 220    |           | 2.2                | ug/m3   | TO-15  |
| Xylene (total)           |                     | 200    |           | 0.50               | ppb v/v | TO-15  |
| Xylene (total)           |                     | 870    |           | 2.2                | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                     | 1.8    |           | 0.50               | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                     | 8.8    |           | 2.5                | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                     | 2.2    |           | 0.50               | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                     | 11     |           | 2.5                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte             | Client Sample ID | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------------------|------------------|--------|-----------|--------------------|---------|--------|
| 1,2,4-Trimethylbenzene               |                  | 4.8    |           | 0.50               | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene               |                  | 24     |           | 2.5                | ug/m3   | TO-15  |
| 4-Isopropyltoluene                   |                  | 0.41   | J         | 0.50               | ppb v/v | TO-15  |
| 4-Isopropyltoluene                   |                  | 2.3    | J         | 2.7                | ug/m3   | TO-15  |
| 1,3-Dichlorobenzene                  |                  | 1.3    |           | 0.50               | ppb v/v | TO-15  |
| 1,3-Dichlorobenzene                  |                  | 8.0    |           | 3.0                | ug/m3   | TO-15  |
| <b>280-54595-3      101VMP0301CA</b> |                  |        |           |                    |         |        |
| Trichlorofluoromethane               |                  | 0.61   | J D       | 3.0                | ppb v/v | TO-15  |
| Trichlorofluoromethane               |                  | 3.4    | J D       | 17                 | ug/m3   | TO-15  |
| Acetone                              |                  | 130    | D         | 76                 | ppb v/v | TO-15  |
| Acetone                              |                  | 310    | D         | 180                | ug/m3   | TO-15  |
| Isopropyl alcohol                    |                  | 8.9    | J D       | 76                 | ppb v/v | TO-15  |
| Isopropyl alcohol                    |                  | 22     | J D       | 190                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone                  |                  | 180    | D         | 7.6                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone                  |                  | 540    | D         | 22                 | ug/m3   | TO-15  |
| Tetrahydrofuran                      |                  | 440    | D         | 76                 | ppb v/v | TO-15  |
| Tetrahydrofuran                      |                  | 1300   | D         | 220                | ug/m3   | TO-15  |
| Trichloroethene                      |                  | 9.3    | D         | 3.0                | ppb v/v | TO-15  |
| Trichloroethene                      |                  | 50     | D         | 16                 | ug/m3   | TO-15  |
| methyl isobutyl ketone               |                  | 56     | D         | 7.6                | ppb v/v | TO-15  |
| methyl isobutyl ketone               |                  | 230    | D         | 31                 | ug/m3   | TO-15  |
| Toluene                              |                  | 130    | D         | 3.0                | ppb v/v | TO-15  |
| Toluene                              |                  | 500    | D         | 11                 | ug/m3   | TO-15  |
| Tetrachloroethene                    |                  | 4.2    | D         | 3.0                | ppb v/v | TO-15  |
| Tetrachloroethene                    |                  | 29     | D         | 21                 | ug/m3   | TO-15  |
| Ethylbenzene                         |                  | 2.3    | J D       | 3.0                | ppb v/v | TO-15  |
| Ethylbenzene                         |                  | 9.9    | J D       | 13                 | ug/m3   | TO-15  |
| m,p-Xylene                           |                  | 7.5    | J D       | 7.6                | ppb v/v | TO-15  |
| m,p-Xylene                           |                  | 33     | J D       | 33                 | ug/m3   | TO-15  |
| Xylene, o-                           |                  | 2.3    | J D       | 3.0                | ppb v/v | TO-15  |
| Xylene, o-                           |                  | 10     | J D       | 13                 | ug/m3   | TO-15  |
| Xylene (total)                       |                  | 9.8    |           | 3.0                | ppb v/v | TO-15  |
| Xylene (total)                       |                  | 43     |           | 13                 | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene               |                  | 0.22   | J D       | 3.0                | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene               |                  | 1.1    | J D       | 15                 | ug/m3   | TO-15  |
| 1,3-Dichlorobenzene                  |                  | 0.32   | J D       | 3.0                | ppb v/v | TO-15  |
| 1,3-Dichlorobenzene                  |                  | 1.9    | J D       | 18                 | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID    | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|---------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-4</b>       | <b>101VMP0101CC</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                     | 0.74   | J D       | 2.5                | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                     | 3.7    | J D       | 12                 | ug/m3   | TO-15  |
| Freon 22                 |                     | 0.54   | J D M     | 2.5                | ppb v/v | TO-15  |
| Freon 22                 |                     | 1.9    | J D M     | 8.8                | ug/m3   | TO-15  |
| n-Butane                 |                     | 5.7    | D         | 2.5                | ppb v/v | TO-15  |
| n-Butane                 |                     | 13     | D         | 5.9                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                     | 0.64   | J D M     | 1.0                | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                     | 3.6    | J D M     | 5.6                | ug/m3   | TO-15  |
| Acetone                  |                     | 120    | D         | 25                 | ppb v/v | TO-15  |
| Acetone                  |                     | 280    | D         | 59                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                     | 17     | J D       | 25                 | ppb v/v | TO-15  |
| Isopropyl alcohol        |                     | 43     | J D       | 61                 | ug/m3   | TO-15  |
| Carbon disulfide         |                     | 0.40   | J D       | 2.5                | ppb v/v | TO-15  |
| Carbon disulfide         |                     | 1.3    | J D       | 7.8                | ug/m3   | TO-15  |
| tert-Butyl alcohol       |                     | 5.5    | J D       | 25                 | ppb v/v | TO-15  |
| tert-Butyl alcohol       |                     | 17     | J D       | 76                 | ug/m3   | TO-15  |
| Methyl tert-butyl ether  |                     | 0.47   | J D       | 1.0                | ppb v/v | TO-15  |
| Methyl tert-butyl ether  |                     | 1.7    | J D       | 3.6                | ug/m3   | TO-15  |
| n-Hexane                 |                     | 0.60   | J D       | 1.0                | ppb v/v | TO-15  |
| n-Hexane                 |                     | 2.1    | J D       | 3.5                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                     | 16     | D         | 2.5                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                     | 48     | D         | 7.4                | ug/m3   | TO-15  |
| Chloroform               |                     | 3.0    | D         | 1.0                | ppb v/v | TO-15  |
| Chloroform               |                     | 14     | D         | 4.9                | ug/m3   | TO-15  |
| Tetrahydrofuran          |                     | 17     | J D       | 25                 | ppb v/v | TO-15  |
| Tetrahydrofuran          |                     | 49     | J D       | 74                 | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 0.43   | J D       | 1.0                | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                     | 2.0    | J D       | 4.7                | ug/m3   | TO-15  |
| Benzene                  |                     | 0.39   | J D M     | 1.0                | ppb v/v | TO-15  |
| Benzene                  |                     | 1.2    | J D M     | 3.2                | ug/m3   | TO-15  |
| Trichloroethene          |                     | 3.4    | D         | 1.0                | ppb v/v | TO-15  |
| Trichloroethene          |                     | 18     | D         | 5.4                | ug/m3   | TO-15  |
| Methyl methacrylate      |                     | 0.46   | J D       | 2.5                | ppb v/v | TO-15  |
| Methyl methacrylate      |                     | 1.9    | J D       | 10                 | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                     | 1.3    | J D       | 2.5                | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                     | 5.2    | J D       | 10                 | ug/m3   | TO-15  |
| Toluene                  |                     | 4.4    | D         | 1.0                | ppb v/v | TO-15  |
| Toluene                  |                     | 17     | D         | 3.8                | ug/m3   | TO-15  |
| Ethylbenzene             |                     | 0.64   | J D       | 1.0                | ppb v/v | TO-15  |
| Ethylbenzene             |                     | 2.8    | J D       | 4.3                | ug/m3   | TO-15  |
| m,p-Xylene               |                     | 2.1    | J D       | 2.5                | ppb v/v | TO-15  |
| m,p-Xylene               |                     | 9.1    | J D       | 11                 | ug/m3   | TO-15  |
| Xylene, o-               |                     | 0.71   | J D M     | 1.0                | ppb v/v | TO-15  |
| Xylene, o-               |                     | 3.1    | J D M     | 4.3                | ug/m3   | TO-15  |
| Xylene (total)           |                     | 2.8    |           | 1.0                | ppb v/v | TO-15  |
| Xylene (total)           |                     | 12     |           | 4.3                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|------------------|--------|-----------|--------------------|---------|--------|
| Styrene                  |                  | 0.81   | J D       | 1.0                | ppb v/v | TO-15  |
| Styrene                  |                  | 3.4    | J D       | 4.3                | ug/m3   | TO-15  |
| Cumene                   |                  | 0.13   | J D       | 1.0                | ppb v/v | TO-15  |
| Cumene                   |                  | 0.64   | J D       | 4.9                | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                  | 0.31   | J D       | 1.0                | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                  | 1.5    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 0.29   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 1.4    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.94   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 4.6    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,3-Dichlorobenzene      |                  | 4.3    | D         | 1.0                | ppb v/v | TO-15  |
| 1,3-Dichlorobenzene      |                  | 26     | D         | 6.0                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID   | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|--------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-5</b>       | <b>101IA0305CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                    | 0.70   | J D       | 2.5                | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                    | 3.5    | J D       | 12                 | ug/m3   | TO-15  |
| Freon 22                 |                    | 0.43   | J D M     | 2.5                | ppb v/v | TO-15  |
| Freon 22                 |                    | 1.5    | J D M     | 8.8                | ug/m3   | TO-15  |
| n-Butane                 |                    | 8.5    | D         | 2.5                | ppb v/v | TO-15  |
| n-Butane                 |                    | 20     | D         | 5.9                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                    | 0.66   | J D       | 1.0                | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                    | 3.7    | J D       | 5.6                | ug/m3   | TO-15  |
| Acetone                  |                    | 130    | D         | 25                 | ppb v/v | TO-15  |
| Acetone                  |                    | 300    | D         | 59                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                    | 73     | D         | 25                 | ppb v/v | TO-15  |
| Isopropyl alcohol        |                    | 180    | D         | 61                 | ug/m3   | TO-15  |
| n-Hexane                 |                    | 0.78   | J D       | 1.0                | ppb v/v | TO-15  |
| n-Hexane                 |                    | 2.8    | J D       | 3.5                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                    | 6.0    | D         | 2.5                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                    | 18     | D         | 7.4                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 1.3    | D         | 1.0                | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 5.9    | D         | 4.7                | ug/m3   | TO-15  |
| Benzene                  |                    | 0.39   | J D       | 1.0                | ppb v/v | TO-15  |
| Benzene                  |                    | 1.2    | J D       | 3.2                | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                    | 0.64   | J D       | 2.5                | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                    | 2.6    | J D       | 10                 | ug/m3   | TO-15  |
| Toluene                  |                    | 9.7    | D         | 1.0                | ppb v/v | TO-15  |
| Toluene                  |                    | 36     | D         | 3.8                | ug/m3   | TO-15  |
| Ethylbenzene             |                    | 0.46   | J D       | 1.0                | ppb v/v | TO-15  |
| Ethylbenzene             |                    | 2.0    | J D       | 4.3                | ug/m3   | TO-15  |
| m,p-Xylene               |                    | 1.7    | J D       | 2.5                | ppb v/v | TO-15  |
| m,p-Xylene               |                    | 7.2    | J D       | 11                 | ug/m3   | TO-15  |
| Xylene, o-               |                    | 0.57   | J D       | 1.0                | ppb v/v | TO-15  |
| Xylene, o-               |                    | 2.5    | J D       | 4.3                | ug/m3   | TO-15  |
| Xylene (total)           |                    | 2.3    |           | 1.0                | ppb v/v | TO-15  |
| Xylene (total)           |                    | 9.9    |           | 4.3                | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                    | 0.16   | J D       | 1.0                | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                    | 0.80   | J D       | 4.9                | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 0.26   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 1.3    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 0.71   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 3.5    | J D       | 4.9                | ug/m3   | TO-15  |



## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID   | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|--------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-6</b>       | <b>101IA0405CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                    | 0.80   | J D       | 2.5                | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                    | 3.9    | J D       | 12                 | ug/m3   | TO-15  |
| Freon 22                 |                    | 0.56   | J D       | 2.5                | ppb v/v | TO-15  |
| Freon 22                 |                    | 2.0    | J D       | 8.8                | ug/m3   | TO-15  |
| n-Butane                 |                    | 9.3    | D         | 2.5                | ppb v/v | TO-15  |
| n-Butane                 |                    | 22     | D         | 5.9                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                    | 0.77   | J D       | 1.0                | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                    | 4.3    | J D       | 5.6                | ug/m3   | TO-15  |
| Acetone                  |                    | 140    | D         | 25                 | ppb v/v | TO-15  |
| Acetone                  |                    | 320    | D         | 59                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                    | 76     | D         | 25                 | ppb v/v | TO-15  |
| Isopropyl alcohol        |                    | 190    | D         | 61                 | ug/m3   | TO-15  |
| n-Hexane                 |                    | 0.84   | J D       | 1.0                | ppb v/v | TO-15  |
| n-Hexane                 |                    | 3.0    | J D       | 3.5                | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                    | 6.9    | D         | 2.5                | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                    | 20     | D         | 7.4                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 1.5    | D         | 1.0                | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 6.9    | D         | 4.7                | ug/m3   | TO-15  |
| Benzene                  |                    | 0.38   | J D       | 1.0                | ppb v/v | TO-15  |
| Benzene                  |                    | 1.2    | J D       | 3.2                | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                    | 1.2    | J D       | 2.5                | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                    | 4.8    | J D       | 10                 | ug/m3   | TO-15  |
| Toluene                  |                    | 11     | D         | 1.0                | ppb v/v | TO-15  |
| Toluene                  |                    | 42     | D         | 3.8                | ug/m3   | TO-15  |
| Ethylbenzene             |                    | 0.55   | J D       | 1.0                | ppb v/v | TO-15  |
| Ethylbenzene             |                    | 2.4    | J D       | 4.3                | ug/m3   | TO-15  |
| m,p-Xylene               |                    | 2.1    | J D       | 2.5                | ppb v/v | TO-15  |
| m,p-Xylene               |                    | 8.9    | J D       | 11                 | ug/m3   | TO-15  |
| Xylene, o-               |                    | 0.71   | J D       | 1.0                | ppb v/v | TO-15  |
| Xylene, o-               |                    | 3.1    | J D       | 4.3                | ug/m3   | TO-15  |
| Xylene (total)           |                    | 2.8    |           | 1.0                | ppb v/v | TO-15  |
| Xylene (total)           |                    | 12     |           | 4.3                | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                    | 0.28   | J D       | 1.0                | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                    | 1.4    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 0.32   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 1.6    | J D       | 4.9                | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 0.80   | J D       | 1.0                | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 3.9    | J D       | 4.9                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID   | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|--------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-7</b>       | <b>1010A0305CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                    | 0.55   |           | 0.50               | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                    | 2.7    |           | 2.5                | ug/m3   | TO-15  |
| Freon 22                 |                    | 0.26   | J         | 0.50               | ppb v/v | TO-15  |
| Freon 22                 |                    | 0.93   | J         | 1.8                | ug/m3   | TO-15  |
| Chloromethane            |                    | 0.54   |           | 0.50               | ppb v/v | TO-15  |
| Chloromethane            |                    | 1.1    |           | 1.0                | ug/m3   | TO-15  |
| n-Butane                 |                    | 1.5    |           | 0.50               | ppb v/v | TO-15  |
| n-Butane                 |                    | 3.6    |           | 1.2                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                    | 0.24   | M         | 0.20               | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                    | 1.3    | M         | 1.1                | ug/m3   | TO-15  |
| Freon TF                 |                    | 0.071  | J M       | 0.20               | ppb v/v | TO-15  |
| Freon TF                 |                    | 0.54   | J M       | 1.5                | ug/m3   | TO-15  |
| Acetone                  |                    | 3.9    | J         | 5.0                | ppb v/v | TO-15  |
| Acetone                  |                    | 9.3    | J         | 12                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                    | 0.59   | J         | 5.0                | ppb v/v | TO-15  |
| Isopropyl alcohol        |                    | 1.5    | J         | 12                 | ug/m3   | TO-15  |
| n-Hexane                 |                    | 0.63   |           | 0.20               | ppb v/v | TO-15  |
| n-Hexane                 |                    | 2.2    |           | 0.70               | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                    | 0.44   | J         | 0.50               | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                    | 1.3    | J         | 1.5                | ug/m3   | TO-15  |
| Carbon tetrachloride     |                    | 0.070  | J         | 0.20               | ppb v/v | TO-15  |
| Carbon tetrachloride     |                    | 0.44   | J         | 1.3                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 0.049  | J         | 0.20               | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                    | 0.23   | J         | 0.93               | ug/m3   | TO-15  |
| Benzene                  |                    | 0.095  | J         | 0.20               | ppb v/v | TO-15  |
| Benzene                  |                    | 0.30   | J         | 0.64               | ug/m3   | TO-15  |
| n-Heptane                |                    | 0.50   | M         | 0.20               | ppb v/v | TO-15  |
| n-Heptane                |                    | 2.0    | M         | 0.82               | ug/m3   | TO-15  |
| Toluene                  |                    | 0.37   |           | 0.20               | ppb v/v | TO-15  |
| Toluene                  |                    | 1.4    |           | 0.75               | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                    | 0.036  | J         | 0.20               | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                    | 0.18   | J         | 0.98               | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 0.042  | J         | 0.20               | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                    | 0.20   | J         | 0.98               | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 0.088  | J         | 0.20               | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                    | 0.43   | J         | 0.98               | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|------------------|--------|-----------|--------------------|---------|--------|
| <b>280-54595-8</b>       | <b>101CA01CA</b> |        |           |                    |         |        |
| Dichlorodifluoromethane  |                  | 0.78   |           | 0.50               | ppb v/v | TO-15  |
| Dichlorodifluoromethane  |                  | 3.8    |           | 2.5                | ug/m3   | TO-15  |
| Freon 22                 |                  | 0.43   | J         | 0.50               | ppb v/v | TO-15  |
| Freon 22                 |                  | 1.5    | J         | 1.8                | ug/m3   | TO-15  |
| n-Butane                 |                  | 0.78   |           | 0.50               | ppb v/v | TO-15  |
| n-Butane                 |                  | 1.8    |           | 1.2                | ug/m3   | TO-15  |
| Trichlorofluoromethane   |                  | 0.84   |           | 0.20               | ppb v/v | TO-15  |
| Trichlorofluoromethane   |                  | 4.7    |           | 1.1                | ug/m3   | TO-15  |
| Freon TF                 |                  | 0.14   | J         | 0.20               | ppb v/v | TO-15  |
| Freon TF                 |                  | 1.1    | J         | 1.5                | ug/m3   | TO-15  |
| Acetone                  |                  | 13     |           | 5.0                | ppb v/v | TO-15  |
| Acetone                  |                  | 31     |           | 12                 | ug/m3   | TO-15  |
| Isopropyl alcohol        |                  | 2.5    | J         | 5.0                | ppb v/v | TO-15  |
| Isopropyl alcohol        |                  | 6.2    | J         | 12                 | ug/m3   | TO-15  |
| Carbon disulfide         |                  | 0.74   |           | 0.50               | ppb v/v | TO-15  |
| Carbon disulfide         |                  | 2.3    |           | 1.6                | ug/m3   | TO-15  |
| Methylene Chloride       |                  | 0.87   |           | 0.50               | ppb v/v | TO-15  |
| Methylene Chloride       |                  | 3.0    |           | 1.7                | ug/m3   | TO-15  |
| n-Hexane                 |                  | 0.080  | J         | 0.20               | ppb v/v | TO-15  |
| n-Hexane                 |                  | 0.28   | J         | 0.70               | ug/m3   | TO-15  |
| Methyl Ethyl Ketone      |                  | 1.1    |           | 0.50               | ppb v/v | TO-15  |
| Methyl Ethyl Ketone      |                  | 3.2    |           | 1.5                | ug/m3   | TO-15  |
| Chloroform               |                  | 15     |           | 0.20               | ppb v/v | TO-15  |
| Chloroform               |                  | 73     |           | 0.98               | ug/m3   | TO-15  |
| 1,1,1-Trichloroethane    |                  | 0.48   |           | 0.20               | ppb v/v | TO-15  |
| 1,1,1-Trichloroethane    |                  | 2.6    |           | 1.1                | ug/m3   | TO-15  |
| Carbon tetrachloride     |                  | 0.54   |           | 0.20               | ppb v/v | TO-15  |
| Carbon tetrachloride     |                  | 3.4    |           | 1.3                | ug/m3   | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 0.24   |           | 0.20               | ppb v/v | TO-15  |
| 2,2,4-Trimethylpentane   |                  | 1.1    |           | 0.93               | ug/m3   | TO-15  |
| Benzene                  |                  | 0.12   | J M       | 0.20               | ppb v/v | TO-15  |
| Benzene                  |                  | 0.38   | J M       | 0.64               | ug/m3   | TO-15  |
| Trichloroethene          |                  | 8.4    |           | 0.20               | ppb v/v | TO-15  |
| Trichloroethene          |                  | 45     |           | 1.1                | ug/m3   | TO-15  |
| Bromodichloromethane     |                  | 0.095  | J M       | 0.20               | ppb v/v | TO-15  |
| Bromodichloromethane     |                  | 0.63   | J M       | 1.3                | ug/m3   | TO-15  |
| methyl isobutyl ketone   |                  | 0.14   | J         | 0.50               | ppb v/v | TO-15  |
| methyl isobutyl ketone   |                  | 0.58   | J         | 2.0                | ug/m3   | TO-15  |
| Toluene                  |                  | 0.80   |           | 0.20               | ppb v/v | TO-15  |
| Toluene                  |                  | 3.0    |           | 0.75               | ug/m3   | TO-15  |
| Tetrachloroethene        |                  | 2.1    |           | 0.20               | ppb v/v | TO-15  |
| Tetrachloroethene        |                  | 14     |           | 1.4                | ug/m3   | TO-15  |
| Ethylbenzene             |                  | 0.10   | J         | 0.20               | ppb v/v | TO-15  |
| Ethylbenzene             |                  | 0.45   | J         | 0.87               | ug/m3   | TO-15  |
| m,p-Xylene               |                  | 0.49   | J         | 0.50               | ppb v/v | TO-15  |
| m,p-Xylene               |                  | 2.1    | J         | 2.2                | ug/m3   | TO-15  |

## EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID<br>Analyte | Client Sample ID | Result | Qualifier | Reporting<br>Limit | Units   | Method |
|--------------------------|------------------|--------|-----------|--------------------|---------|--------|
| Xylene, o-               |                  | 0.18   | J         | 0.20               | ppb v/v | TO-15  |
| Xylene, o-               |                  | 0.77   | J         | 0.87               | ug/m3   | TO-15  |
| Xylene (total)           |                  | 0.67   |           | 0.20               | ppb v/v | TO-15  |
| Xylene (total)           |                  | 2.9    |           | 0.87               | ug/m3   | TO-15  |
| Cumene                   |                  | 0.018  | J         | 0.20               | ppb v/v | TO-15  |
| Cumene                   |                  | 0.090  | J         | 0.98               | ug/m3   | TO-15  |
| 4-Ethyltoluene           |                  | 0.070  | J         | 0.20               | ppb v/v | TO-15  |
| 4-Ethyltoluene           |                  | 0.35   | J         | 0.98               | ug/m3   | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 0.075  | J         | 0.20               | ppb v/v | TO-15  |
| 1,3,5-Trimethylbenzene   |                  | 0.37   | J         | 0.98               | ug/m3   | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 0.22   |           | 0.20               | ppb v/v | TO-15  |
| 1,2,4-Trimethylbenzene   |                  | 1.1    |           | 0.98               | ug/m3   | TO-15  |

## METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Description                               | Lab Location | Method    | Preparation Method |
|-------------------------------------------|--------------|-----------|--------------------|
| <b>Matrix: Air</b>                        |              |           |                    |
| Volatile Organic Compounds in Ambient Air | TAL BUR      | EPA TO-15 |                    |
| 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: FPM Remediations Inc

Job Number: 280-54595-1

| Method    | Analyst           | Analyst ID |
|-----------|-------------------|------------|
| EPA TO-15 | Lyons, Benjamin P | BPL        |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.70             | J         | 0.12  | 2.0  |
| Freon 22                      | 0.53             | J M       | 0.19  | 2.0  |
| 1,2-Dichlorotetrafluoroethane | 0.32             | U         | 0.14  | 0.80 |
| Chloromethane                 | 2.0              | U         | 0.54  | 2.0  |
| n-Butane                      | 5.4              |           | 1.1   | 2.0  |
| Vinyl chloride                | 0.32             | U         | 0.15  | 0.80 |
| 1,3-Butadiene                 | 0.32             | U         | 0.17  | 0.80 |
| Bromomethane                  | 0.32             | U         | 0.11  | 0.80 |
| Chloroethane                  | 0.32             | U         | 0.12  | 2.0  |
| Bromoethene(Vinyl Bromide)    | 0.32             | U         | 0.12  | 0.80 |
| Trichlorofluoromethane        | 0.60             | J M       | 0.12  | 0.80 |
| Freon TF                      | 0.12             | U         | 0.072 | 0.80 |
| 1,1-Dichloroethene            | 0.32             | U         | 0.096 | 0.80 |
| Acetone                       | 110              |           | 5.0   | 20   |
| Isopropyl alcohol             | 19               | J         | 0.86  | 20   |
| Carbon disulfide              | 0.80             | U         | 0.26  | 2.0  |
| 3-Chloropropene               | 0.32             | U         | 0.14  | 2.0  |
| Methylene Chloride            | 0.80             | U         | 0.50  | 2.0  |
| tert-Butyl alcohol            | 7.0              | J         | 1.3   | 20   |
| Methyl tert-butyl ether       | 0.53             | J         | 0.088 | 0.80 |
| trans-1,2-Dichloroethene      | 0.32             | U         | 0.12  | 0.80 |
| n-Hexane                      | 0.76             | J         | 0.14  | 0.80 |
| 1,1-Dichloroethane            | 0.32             | U         | 0.15  | 0.80 |
| Methyl Ethyl Ketone           | 16               |           | 0.97  | 2.0  |
| cis-1,2-Dichloroethene        | 0.32             | U         | 0.15  | 0.80 |
| 1,2-Dichloroethene, Total     | 0.32             | U         | 0.26  | 0.80 |
| Chloroform                    | 2.8              |           | 0.10  | 0.80 |
| Tetrahydrofuran               | 15               | J         | 0.18  | 20   |
| 1,1,1-Trichloroethane         | 0.32             | U         | 0.084 | 0.80 |
| Cyclohexane                   | 0.32             | U         | 0.10  | 0.80 |
| Carbon tetrachloride          | 0.11             | J         | 0.084 | 0.80 |
| 2,2,4-Trimethylpentane        | 0.54             | J         | 0.11  | 0.80 |
| Benzene                       | 0.37             | J M       | 0.076 | 0.80 |
| 1,2-Dichloroethane            | 0.12             | U         | 0.068 | 0.80 |
| n-Heptane                     | 0.32             | U         | 0.18  | 0.80 |
| Trichloroethene               | 2.9              |           | 0.096 | 0.80 |
| Methyl methacrylate           | 0.54             | J         | 0.12  | 2.0  |
| 1,2-Dichloropropane           | 0.32             | U         | 0.13  | 0.80 |
| 1,4-Dioxane                   | 0.80             | U         | 0.80  | 20   |
| Bromodichloromethane          | 0.12             | U         | 0.068 | 0.80 |
| cis-1,3-Dichloropropene       | 0.32             | U         | 0.11  | 0.80 |
| methyl isobutyl ketone        | 1.0              | J         | 0.11  | 2.0  |
| Toluene                       | 4.4              |           | 0.068 | 0.80 |
| trans-1,3-Dichloropropene     | 0.32             | U         | 0.088 | 0.80 |
| 1,1,2-Trichloroethane         | 0.12             | U         | 0.068 | 0.80 |
| Tetrachloroethene             | 0.12             | U         | 0.064 | 0.80 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|----------------------------------|------------------|-----------|-------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.80             | U         | 0.80  | 2.0  |
| Dibromochloromethane             | 0.12             | U         | 0.080 | 0.80 |
| 1,2-Dibromoethane                | 0.32             | U         | 0.080 | 0.80 |
| Chlorobenzene                    | 0.12             | U         | 0.032 | 0.80 |
| Ethylbenzene                     | 0.68             | J         | 0.052 | 0.80 |
| m,p-Xylene                       | 2.1              |           | 0.092 | 2.0  |
| Xylene, o-                       | 0.78             | J         | 0.064 | 0.80 |
| Xylene (total)                   | 2.9              |           | 0.14  | 0.80 |
| Styrene                          | 0.96             |           | 0.072 | 0.80 |
| Bromoform                        | 0.12             | U         | 0.040 | 0.80 |
| Cumene                           | 0.16             | J         | 0.064 | 0.80 |
| 1,1,2,2-Tetrachloroethane        | 0.12             | U         | 0.064 | 0.80 |
| n-Propylbenzene                  | 0.32             | U         | 0.32  | 0.80 |
| 4-Ethyltoluene                   | 0.28             | J         | 0.072 | 0.80 |
| 1,3,5-Trimethylbenzene           | 0.30             | J         | 0.048 | 0.80 |
| 2-Chlorotoluene                  | 0.12             | U         | 0.052 | 0.80 |
| tert-Butylbenzene                | 0.12             | U         | 0.068 | 0.80 |
| 1,2,4-Trimethylbenzene           | 0.99             |           | 0.056 | 0.80 |
| sec-Butylbenzene                 | 0.32             | U         | 0.32  | 0.80 |
| 4-Isopropyltoluene               | 0.32             | U         | 0.32  | 0.80 |
| 1,3-Dichlorobenzene              | 4.5              |           | 0.056 | 0.80 |
| 1,4-Dichlorobenzene              | 0.12             | U         | 0.056 | 0.80 |
| Benzyl chloride                  | 0.32             | U         | 0.32  | 0.80 |
| n-Butylbenzene                   | 0.32             | U         | 0.32  | 0.80 |
| 1,2-Dichlorobenzene              | 0.12             | U         | 0.056 | 0.80 |
| 1,2,4-Trichlorobenzene           | 0.23             | J         | 0.11  | 2.0  |
| Hexachlorobutadiene              | 0.32             | U         | 0.088 | 0.80 |
| Naphthalene                      | 0.80             | U         | 0.80  | 2.0  |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.5            | J         | 0.59 | 9.9 |
| Freon 22                      | 1.9            | J M       | 0.68 | 7.1 |
| 1,2-Dichlorotetrafluoroethane | 2.2            | U         | 0.98 | 5.6 |
| Chloromethane                 | 4.1            | U         | 1.1  | 4.1 |
| n-Butane                      | 13             |           | 2.7  | 4.8 |
| Vinyl chloride                | 0.82           | U         | 0.39 | 2.0 |
| 1,3-Butadiene                 | 0.71           | U         | 0.37 | 1.8 |
| Bromomethane                  | 1.2            | U         | 0.43 | 3.1 |
| Chloroethane                  | 0.84           | U         | 0.32 | 5.3 |
| Bromoethene(Vinyl Bromide)    | 1.4            | U         | 0.52 | 3.5 |
| Trichlorofluoromethane        | 3.4            | J M       | 0.67 | 4.5 |
| Freon TF                      | 0.92           | U         | 0.55 | 6.1 |
| 1,1-Dichloroethene            | 1.3            | U         | 0.38 | 3.2 |
| Acetone                       | 260            |           | 12   | 48  |
| Isopropyl alcohol             | 46             | J         | 2.1  | 49  |
| Carbon disulfide              | 2.5            | U         | 0.82 | 6.2 |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.0            | U         | 0.43 | 6.3 |
| Methylene Chloride               | 2.8            | U         | 1.7  | 6.9 |
| tert-Butyl alcohol               | 21             | J         | 4.0  | 61  |
| Methyl tert-butyl ether          | 1.9            | J         | 0.32 | 2.9 |
| trans-1,2-Dichloroethene         | 1.3            | U         | 0.46 | 3.2 |
| n-Hexane                         | 2.7            | J         | 0.48 | 2.8 |
| 1,1-Dichloroethane               | 1.3            | U         | 0.62 | 3.2 |
| Methyl Ethyl Ketone              | 46             |           | 2.9  | 5.9 |
| cis-1,2-Dichloroethene           | 1.3            | U         | 0.60 | 3.2 |
| 1,2-Dichloroethene, Total        | 1.3            | U         | 1.0  | 3.2 |
| Chloroform                       | 14             |           | 0.49 | 3.9 |
| Tetrahydrofuran                  | 44             | J         | 0.54 | 59  |
| 1,1,1-Trichloroethane            | 1.7            | U         | 0.46 | 4.4 |
| Cyclohexane                      | 1.1            | U         | 0.34 | 2.8 |
| Carbon tetrachloride             | 0.68           | J         | 0.53 | 5.0 |
| 2,2,4-Trimethylpentane           | 2.5            | J         | 0.50 | 3.7 |
| Benzene                          | 1.2            | J M       | 0.24 | 2.6 |
| 1,2-Dichloroethane               | 0.49           | U         | 0.28 | 3.2 |
| n-Heptane                        | 1.3            | U         | 0.75 | 3.3 |
| Trichloroethene                  | 15             |           | 0.52 | 4.3 |
| Methyl methacrylate              | 2.2            | J         | 0.49 | 8.2 |
| 1,2-Dichloropropane              | 1.5            | U         | 0.59 | 3.7 |
| 1,4-Dioxane                      | 2.9            | U         | 2.9  | 72  |
| Bromodichloromethane             | 0.80           | U         | 0.46 | 5.4 |
| cis-1,3-Dichloropropene          | 1.5            | U         | 0.51 | 3.6 |
| methyl isobutyl ketone           | 4.3            | J         | 0.44 | 8.2 |
| Toluene                          | 17             |           | 0.26 | 3.0 |
| trans-1,3-Dichloropropene        | 1.5            | U         | 0.40 | 3.6 |
| 1,1,2-Trichloroethane            | 0.65           | U         | 0.37 | 4.4 |
| Tetrachloroethene                | 0.81           | U         | 0.43 | 5.4 |
| Methyl Butyl Ketone (2-Hexanone) | 3.3            | U         | 3.3  | 8.2 |
| Dibromochloromethane             | 1.0            | U         | 0.68 | 6.8 |
| 1,2-Dibromoethane                | 2.5            | U         | 0.61 | 6.1 |
| Chlorobenzene                    | 0.55           | U         | 0.15 | 3.7 |
| Ethylbenzene                     | 3.0            | J         | 0.23 | 3.5 |
| m,p-Xylene                       | 9.3            |           | 0.40 | 8.7 |
| Xylene, o-                       | 3.4            | J         | 0.28 | 3.5 |
| Xylene (total)                   | 13             |           | 0.59 | 3.5 |
| Styrene                          | 4.1            |           | 0.31 | 3.4 |
| Bromoform                        | 1.2            | U         | 0.41 | 8.3 |
| Cumene                           | 0.81           | J         | 0.31 | 3.9 |
| 1,1,2,2-Tetrachloroethane        | 0.82           | U         | 0.44 | 5.5 |
| n-Propylbenzene                  | 1.6            | U         | 1.6  | 3.9 |
| 4-Ethyltoluene                   | 1.4            | J         | 0.35 | 3.9 |
| 1,3,5-Trimethylbenzene           | 1.5            | J         | 0.24 | 3.9 |
| 2-Chlorotoluene                  | 0.62           | U         | 0.27 | 4.1 |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

---

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.66           | U         | 0.37 | 4.4 |
| 1,2,4-Trimethylbenzene | 4.9            |           | 0.28 | 3.9 |
| sec-Butylbenzene       | 1.8            | U         | 1.8  | 4.4 |
| 4-Isopropyltoluene     | 1.8            | U         | 1.8  | 4.4 |
| 1,3-Dichlorobenzene    | 27             |           | 0.34 | 4.8 |
| 1,4-Dichlorobenzene    | 0.72           | U         | 0.34 | 4.8 |
| Benzyl chloride        | 1.7            | U         | 1.7  | 4.1 |
| n-Butylbenzene         | 1.8            | U         | 1.8  | 4.4 |
| 1,2-Dichlorobenzene    | 0.72           | U         | 0.34 | 4.8 |
| 1,2,4-Trichlorobenzene | 1.7            | J         | 0.80 | 15  |
| Hexachlorobutadiene    | 3.4            | U         | 0.94 | 8.5 |
| Naphthalene            | 4.2            | U         | 4.2  | 10  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.64             | J         | 0.075 | 1.3  |
| Freon 22                      | 0.63             | J         | 0.12  | 1.3  |
| 1,2-Dichlorotetrafluoroethane | 0.20             | U         | 0.088 | 0.50 |
| Chloromethane                 | 1.3              | U         | 0.34  | 1.3  |
| n-Butane                      | 1.3              | U         | 0.71  | 1.3  |
| Vinyl chloride                | 0.20             | U         | 0.095 | 0.50 |
| 1,3-Butadiene                 | 0.20             | U         | 0.11  | 0.50 |
| Bromomethane                  | 0.20             | U         | 0.070 | 0.50 |
| Chloroethane                  | 0.20             | U         | 0.075 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.20             | U         | 0.075 | 0.50 |
| Trichlorofluoromethane        | 0.61             |           | 0.075 | 0.50 |
| Freon TF                      | 0.075            | U         | 0.045 | 0.50 |
| 1,1-Dichloroethene            | 0.20             | U         | 0.060 | 0.50 |
| Acetone                       | 41               |           | 3.1   | 13   |
| Isopropyl alcohol             | 15               |           | 0.54  | 13   |
| Carbon disulfide              | 6.4              |           | 0.17  | 1.3  |
| 3-Chloropropene               | 0.20             | U         | 0.085 | 1.3  |
| Methylene Chloride            | 0.50             | U         | 0.31  | 1.3  |
| tert-Butyl alcohol            | 1.3              | U         | 0.82  | 13   |
| Methyl tert-butyl ether       | 0.20             | U         | 0.055 | 0.50 |
| trans-1,2-Dichloroethene      | 0.20             | U         | 0.073 | 0.50 |
| n-Hexane                      | 0.20             | U         | 0.085 | 0.50 |
| 1,1-Dichloroethane            | 0.20             | U         | 0.095 | 0.50 |
| Methyl Ethyl Ketone           | 46               |           | 0.61  | 1.3  |
| cis-1,2-Dichloroethene        | 0.20             | U         | 0.095 | 0.50 |
| 1,2-Dichloroethene, Total     | 0.20             | U         | 0.16  | 0.50 |
| Chloroform                    | 0.13             | J M       | 0.063 | 0.50 |
| Tetrahydrofuran               | 70               |           | 0.12  | 13   |
| 1,1,1-Trichloroethane         | 0.20             | U         | 0.053 | 0.50 |
| Cyclohexane                   | 0.20             | U         | 0.063 | 0.50 |
| Carbon tetrachloride          | 0.081            | J         | 0.053 | 0.50 |
| 2,2,4-Trimethylpentane        | 0.58             | M         | 0.068 | 0.50 |
| Benzene                       | 0.85             |           | 0.048 | 0.50 |
| 1,2-Dichloroethane            | 0.075            | U         | 0.043 | 0.50 |
| n-Heptane                     | 0.20             | U         | 0.12  | 0.50 |
| Trichloroethene               | 25               |           | 0.060 | 0.50 |
| Methyl methacrylate           | 0.14             | J         | 0.075 | 1.3  |
| 1,2-Dichloropropane           | 0.20             | U         | 0.080 | 0.50 |
| 1,4-Dioxane                   | 0.50             | U         | 0.50  | 13   |
| Bromodichloromethane          | 0.075            | U         | 0.043 | 0.50 |
| cis-1,3-Dichloropropene       | 0.20             | U         | 0.070 | 0.50 |
| methyl isobutyl ketone        | 1.8              |           | 0.068 | 1.3  |
| Toluene                       | 38               |           | 0.043 | 0.50 |
| trans-1,3-Dichloropropene     | 0.20             | U         | 0.055 | 0.50 |
| 1,1,2-Trichloroethane         | 0.075            | U         | 0.043 | 0.50 |
| Tetrachloroethene             | 0.59             | M         | 0.040 | 0.50 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|----------------------------------|------------------|-----------|-------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.50             | U         | 0.50  | 1.3  |
| Dibromochloromethane             | 0.075            | U         | 0.050 | 0.50 |
| 1,2-Dibromoethane                | 0.20             | U         | 0.050 | 0.50 |
| Chlorobenzene                    | 0.075            | U         | 0.020 | 0.50 |
| Ethylbenzene                     | 44               |           | 0.033 | 0.50 |
| m,p-Xylene                       | 150              |           | 0.058 | 1.3  |
| Xylene, o-                       | 51               |           | 0.040 | 0.50 |
| Xylene (total)                   | 200              |           | 0.085 | 0.50 |
| Styrene                          | 0.075            | U         | 0.045 | 0.50 |
| Bromoform                        | 0.075            | U         | 0.025 | 0.50 |
| Cumene                           | 0.075            | U         | 0.040 | 0.50 |
| 1,1,2,2-Tetrachloroethane        | 0.075            | U         | 0.040 | 0.50 |
| n-Propylbenzene                  | 0.20             | U         | 0.20  | 0.50 |
| 4-Ethyltoluene                   | 1.8              |           | 0.045 | 0.50 |
| 1,3,5-Trimethylbenzene           | 2.2              |           | 0.030 | 0.50 |
| 2-Chlorotoluene                  | 0.075            | U         | 0.033 | 0.50 |
| tert-Butylbenzene                | 0.075            | U         | 0.043 | 0.50 |
| 1,2,4-Trimethylbenzene           | 4.8              |           | 0.035 | 0.50 |
| sec-Butylbenzene                 | 0.20             | U         | 0.20  | 0.50 |
| 4-Isopropyltoluene               | 0.41             | J         | 0.20  | 0.50 |
| 1,3-Dichlorobenzene              | 1.3              |           | 0.035 | 0.50 |
| 1,4-Dichlorobenzene              | 0.075            | U         | 0.035 | 0.50 |
| Benzyl chloride                  | 0.20             | U         | 0.20  | 0.50 |
| n-Butylbenzene                   | 0.20             | U         | 0.20  | 0.50 |
| 1,2-Dichlorobenzene              | 0.075            | U         | 0.035 | 0.50 |
| 1,2,4-Trichlorobenzene           | 0.20             | U         | 0.068 | 1.3  |
| Hexachlorobutadiene              | 0.20             | U         | 0.055 | 0.50 |
| Naphthalene                      | 0.50             | U         | 0.50  | 1.3  |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.1            | J         | 0.37 | 6.2 |
| Freon 22                      | 2.2            | J         | 0.42 | 4.4 |
| 1,2-Dichlorotetrafluoroethane | 1.4            | U         | 0.61 | 3.5 |
| Chloromethane                 | 2.6            | U         | 0.70 | 2.6 |
| n-Butane                      | 3.0            | U         | 1.7  | 3.0 |
| Vinyl chloride                | 0.51           | U         | 0.24 | 1.3 |
| 1,3-Butadiene                 | 0.44           | U         | 0.23 | 1.1 |
| Bromomethane                  | 0.78           | U         | 0.27 | 1.9 |
| Chloroethane                  | 0.53           | U         | 0.20 | 3.3 |
| Bromoethene(Vinyl Bromide)    | 0.87           | U         | 0.33 | 2.2 |
| Trichlorofluoromethane        | 3.4            |           | 0.42 | 2.8 |
| Freon TF                      | 0.57           | U         | 0.34 | 3.8 |
| 1,1-Dichloroethene            | 0.79           | U         | 0.24 | 2.0 |
| Acetone                       | 98             |           | 7.4  | 30  |
| Isopropyl alcohol             | 38             |           | 1.3  | 31  |
| Carbon disulfide              | 20             |           | 0.51 | 3.9 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ |
|----------------------------------|----------------|-----------|-------|-----|
| 3-Chloropropene                  | 0.63           | U         | 0.27  | 3.9 |
| Methylene Chloride               | 1.7            | U         | 1.1   | 4.3 |
| tert-Butyl alcohol               | 3.8            | U         | 2.5   | 38  |
| Methyl tert-butyl ether          | 0.72           | U         | 0.20  | 1.8 |
| trans-1,2-Dichloroethene         | 0.79           | U         | 0.29  | 2.0 |
| n-Hexane                         | 0.70           | U         | 0.30  | 1.8 |
| 1,1-Dichloroethane               | 0.81           | U         | 0.38  | 2.0 |
| Methyl Ethyl Ketone              | 140            |           | 1.8   | 3.7 |
| cis-1,2-Dichloroethene           | 0.79           | U         | 0.38  | 2.0 |
| 1,2-Dichloroethene, Total        | 0.79           | U         | 0.63  | 2.0 |
| Chloroform                       | 0.65           | J M       | 0.31  | 2.4 |
| Tetrahydrofuran                  | 210            |           | 0.34  | 37  |
| 1,1,1-Trichloroethane            | 1.1            | U         | 0.29  | 2.7 |
| Cyclohexane                      | 0.69           | U         | 0.22  | 1.7 |
| Carbon tetrachloride             | 0.51           | J         | 0.33  | 3.1 |
| 2,2,4-Trimethylpentane           | 2.7            | M         | 0.32  | 2.3 |
| Benzene                          | 2.7            |           | 0.15  | 1.6 |
| 1,2-Dichloroethane               | 0.30           | U         | 0.17  | 2.0 |
| n-Heptane                        | 0.82           | U         | 0.47  | 2.0 |
| Trichloroethene                  | 130            |           | 0.32  | 2.7 |
| Methyl methacrylate              | 0.55           | J         | 0.31  | 5.1 |
| 1,2-Dichloropropane              | 0.92           | U         | 0.37  | 2.3 |
| 1,4-Dioxane                      | 1.8            | U         | 1.8   | 45  |
| Bromodichloromethane             | 0.50           | U         | 0.28  | 3.4 |
| cis-1,3-Dichloropropene          | 0.91           | U         | 0.32  | 2.3 |
| methyl isobutyl ketone           | 7.4            |           | 0.28  | 5.1 |
| Toluene                          | 140            |           | 0.16  | 1.9 |
| trans-1,3-Dichloropropene        | 0.91           | U         | 0.25  | 2.3 |
| 1,1,2-Trichloroethane            | 0.41           | U         | 0.23  | 2.7 |
| Tetrachloroethene                | 4.0            | M         | 0.27  | 3.4 |
| Methyl Butyl Ketone (2-Hexanone) | 2.0            | U         | 2.0   | 5.1 |
| Dibromochloromethane             | 0.64           | U         | 0.43  | 4.3 |
| 1,2-Dibromoethane                | 1.5            | U         | 0.38  | 3.8 |
| Chlorobenzene                    | 0.35           | U         | 0.093 | 2.3 |
| Ethylbenzene                     | 190            |           | 0.14  | 2.2 |
| m,p-Xylene                       | 640            |           | 0.25  | 5.4 |
| Xylene, o-                       | 220            |           | 0.17  | 2.2 |
| Xylene (total)                   | 870            |           | 0.37  | 2.2 |
| Styrene                          | 0.32           | U         | 0.19  | 2.1 |
| Bromoform                        | 0.78           | U         | 0.26  | 5.2 |
| Cumene                           | 0.37           | U         | 0.20  | 2.5 |
| 1,1,2,2-Tetrachloroethane        | 0.51           | U         | 0.27  | 3.4 |
| n-Propylbenzene                  | 0.98           | U         | 0.98  | 2.5 |
| 4-Ethyltoluene                   | 8.8            |           | 0.22  | 2.5 |
| 1,3,5-Trimethylbenzene           | 11             |           | 0.15  | 2.5 |
| 2-Chlorotoluene                  | 0.39           | U         | 0.17  | 2.6 |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.41           | U         | 0.23 | 2.7 |
| 1,2,4-Trimethylbenzene | 24             |           | 0.17 | 2.5 |
| sec-Butylbenzene       | 1.1            | U         | 1.1  | 2.7 |
| 4-Isopropyltoluene     | 2.3            | J         | 1.1  | 2.7 |
| 1,3-Dichlorobenzene    | 8.0            |           | 0.21 | 3.0 |
| 1,4-Dichlorobenzene    | 0.45           | U         | 0.21 | 3.0 |
| Benzyl chloride        | 1.0            | U         | 1.0  | 2.6 |
| n-Butylbenzene         | 1.1            | U         | 1.1  | 2.7 |
| 1,2-Dichlorobenzene    | 0.45           | U         | 0.21 | 3.0 |
| 1,2,4-Trichlorobenzene | 1.5            | U         | 0.50 | 9.3 |
| Hexachlorobutadiene    | 2.1            | U         | 0.59 | 5.3 |
| Naphthalene            | 2.6            | U         | 2.6  | 6.6 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL   | LOQ |
|-------------------------------|------------------|-----------|------|-----|
| Dichlorodifluoromethane       | 1.2              | U         | 0.46 | 7.6 |
| Freon 22                      | 1.2              | U         | 0.73 | 7.6 |
| 1,2-Dichlorotetrafluoroethane | 1.2              | U         | 0.53 | 3.0 |
| Chloromethane                 | 7.6              | U         | 2.1  | 7.6 |
| n-Butane                      | 7.6              | U         | 4.3  | 7.6 |
| Vinyl chloride                | 1.2              | U         | 0.58 | 3.0 |
| 1,3-Butadiene                 | 1.2              | U         | 0.64 | 3.0 |
| Bromomethane                  | 1.2              | U         | 0.43 | 3.0 |
| Chloroethane                  | 1.2              | U         | 0.46 | 7.6 |
| Bromoethene(Vinyl Bromide)    | 1.2              | U         | 0.46 | 3.0 |
| Trichlorofluoromethane        | 0.61             | J D       | 0.46 | 3.0 |
| Freon TF                      | 0.46             | U         | 0.27 | 3.0 |
| 1,1-Dichloroethene            | 1.2              | U         | 0.36 | 3.0 |
| Acetone                       | 130              | D         | 19   | 76  |
| Isopropyl alcohol             | 8.9              | J D       | 3.3  | 76  |
| Carbon disulfide              | 3.0              | U         | 1.0  | 7.6 |
| 3-Chloropropene               | 1.2              | U         | 0.52 | 7.6 |
| Methylene Chloride            | 3.0              | U         | 1.9  | 7.6 |
| tert-Butyl alcohol            | 7.6              | U         | 5.0  | 76  |
| Methyl tert-butyl ether       | 1.2              | U         | 0.33 | 3.0 |
| trans-1,2-Dichloroethene      | 1.2              | U         | 0.44 | 3.0 |
| n-Hexane                      | 1.2              | U         | 0.52 | 3.0 |
| 1,1-Dichloroethane            | 1.2              | U         | 0.58 | 3.0 |
| Methyl Ethyl Ketone           | 180              | D         | 3.7  | 7.6 |
| cis-1,2-Dichloroethene        | 1.2              | U         | 0.58 | 3.0 |
| 1,2-Dichloroethene, Total     | 1.2              | U         | 0.97 | 3.0 |
| Chloroform                    | 1.2              | U         | 0.38 | 3.0 |
| Tetrahydrofuran               | 440              | D         | 0.70 | 76  |
| 1,1,1-Trichloroethane         | 1.2              | U         | 0.32 | 3.0 |
| Cyclohexane                   | 1.2              | U         | 0.38 | 3.0 |
| Carbon tetrachloride          | 1.2              | U         | 0.32 | 3.0 |
| 2,2,4-Trimethylpentane        | 1.2              | U         | 0.41 | 3.0 |
| Benzene                       | 0.46             | U         | 0.29 | 3.0 |
| 1,2-Dichloroethane            | 0.46             | U         | 0.26 | 3.0 |
| n-Heptane                     | 1.2              | U         | 0.70 | 3.0 |
| Trichloroethene               | 9.3              | D         | 0.36 | 3.0 |
| Methyl methacrylate           | 1.2              | U         | 0.46 | 7.6 |
| 1,2-Dichloropropane           | 1.2              | U         | 0.49 | 3.0 |
| 1,4-Dioxane                   | 3.0              | U         | 3.0  | 76  |
| Bromodichloromethane          | 0.46             | U         | 0.26 | 3.0 |
| cis-1,3-Dichloropropene       | 1.2              | U         | 0.43 | 3.0 |
| methyl isobutyl ketone        | 56               | D         | 0.41 | 7.6 |
| Toluene                       | 130              | D         | 0.26 | 3.0 |
| trans-1,3-Dichloropropene     | 1.2              | U         | 0.33 | 3.0 |
| 1,1,2-Trichloroethane         | 0.46             | U         | 0.26 | 3.0 |
| Tetrachloroethene             | 4.2              | D         | 0.24 | 3.0 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL   | LOQ |
|----------------------------------|------------------|-----------|------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 3.0              | U         | 3.0  | 7.6 |
| Dibromochloromethane             | 0.46             | U         | 0.30 | 3.0 |
| 1,2-Dibromoethane                | 1.2              | U         | 0.30 | 3.0 |
| Chlorobenzene                    | 0.46             | U         | 0.12 | 3.0 |
| Ethylbenzene                     | 2.3              | J D       | 0.20 | 3.0 |
| m,p-Xylene                       | 7.5              | J D       | 0.35 | 7.6 |
| Xylene, o-                       | 2.3              | J D       | 0.24 | 3.0 |
| Xylene (total)                   | 9.8              |           | 0.52 | 3.0 |
| Styrene                          | 0.46             | U         | 0.27 | 3.0 |
| Bromoform                        | 0.46             | U         | 0.15 | 3.0 |
| Cumene                           | 0.46             | U         | 0.24 | 3.0 |
| 1,1,2,2-Tetrachloroethane        | 0.46             | U         | 0.24 | 3.0 |
| n-Propylbenzene                  | 1.2              | U         | 1.2  | 3.0 |
| 4-Ethyltoluene                   | 0.46             | U         | 0.27 | 3.0 |
| 1,3,5-Trimethylbenzene           | 0.46             | U         | 0.18 | 3.0 |
| 2-Chlorotoluene                  | 0.46             | U         | 0.20 | 3.0 |
| tert-Butylbenzene                | 0.46             | U         | 0.26 | 3.0 |
| 1,2,4-Trimethylbenzene           | 0.22             | J D       | 0.21 | 3.0 |
| sec-Butylbenzene                 | 1.2              | U         | 1.2  | 3.0 |
| 4-Isopropyltoluene               | 1.2              | U         | 1.2  | 3.0 |
| 1,3-Dichlorobenzene              | 0.32             | J D       | 0.21 | 3.0 |
| 1,4-Dichlorobenzene              | 0.46             | U         | 0.21 | 3.0 |
| Benzyl chloride                  | 1.2              | U         | 1.2  | 3.0 |
| n-Butylbenzene                   | 1.2              | U         | 1.2  | 3.0 |
| 1,2-Dichlorobenzene              | 0.46             | U         | 0.21 | 3.0 |
| 1,2,4-Trichlorobenzene           | 1.2              | U         | 0.41 | 7.6 |
| Hexachlorobutadiene              | 1.2              | U         | 0.33 | 3.0 |
| Naphthalene                      | 3.0              | U         | 3.0  | 7.6 |

| Analyte                       | Result (ug/m3) | Qualifier | DL  | LOQ |
|-------------------------------|----------------|-----------|-----|-----|
| Dichlorodifluoromethane       | 6.0            | U         | 2.3 | 38  |
| Freon 22                      | 4.3            | U         | 2.6 | 27  |
| 1,2-Dichlorotetrafluoroethane | 8.5            | U         | 3.7 | 21  |
| Chloromethane                 | 16             | U         | 4.3 | 16  |
| n-Butane                      | 18             | U         | 10  | 18  |
| Vinyl chloride                | 3.1            | U         | 1.5 | 7.8 |
| 1,3-Butadiene                 | 2.7            | U         | 1.4 | 6.7 |
| Bromomethane                  | 4.7            | U         | 1.7 | 12  |
| Chloroethane                  | 3.2            | U         | 1.2 | 20  |
| Bromoethene(Vinyl Bromide)    | 5.3            | U         | 2.0 | 13  |
| Trichlorofluoromethane        | 3.4            | J D       | 2.6 | 17  |
| Freon TF                      | 3.5            | U         | 2.1 | 23  |
| 1,1-Dichloroethene            | 4.8            | U         | 1.4 | 12  |
| Acetone                       | 310            | D         | 45  | 180 |
| Isopropyl alcohol             | 22             | J D       | 8.0 | 190 |
| Carbon disulfide              | 9.5            | U         | 3.1 | 24  |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 3.8            | U         | 1.6  | 24  |
| Methylene Chloride               | 11             | U         | 6.6  | 26  |
| tert-Butyl alcohol               | 23             | U         | 15   | 230 |
| Methyl tert-butyl ether          | 4.4            | U         | 1.2  | 11  |
| trans-1,2-Dichloroethene         | 4.8            | U         | 1.7  | 12  |
| n-Hexane                         | 4.3            | U         | 1.8  | 11  |
| 1,1-Dichloroethane               | 4.9            | U         | 2.3  | 12  |
| Methyl Ethyl Ketone              | 540            | D         | 11   | 22  |
| cis-1,2-Dichloroethene           | 4.8            | U         | 2.3  | 12  |
| 1,2-Dichloroethene, Total        | 4.8            | U         | 3.9  | 12  |
| Chloroform                       | 5.9            | U         | 1.9  | 15  |
| Tetrahydrofuran                  | 1300           | D         | 2.1  | 220 |
| 1,1,1-Trichloroethane            | 6.6            | U         | 1.7  | 17  |
| Cyclohexane                      | 4.2            | U         | 1.3  | 10  |
| Carbon tetrachloride             | 7.6            | U         | 2.0  | 19  |
| 2,2,4-Trimethylpentane           | 5.7            | U         | 1.9  | 14  |
| Benzene                          | 1.5            | U         | 0.92 | 9.7 |
| 1,2-Dichloroethane               | 1.8            | U         | 1.0  | 12  |
| n-Heptane                        | 5.0            | U         | 2.9  | 12  |
| Trichloroethene                  | 50             | D         | 2.0  | 16  |
| Methyl methacrylate              | 5.0            | U         | 1.9  | 31  |
| 1,2-Dichloropropane              | 5.6            | U         | 2.2  | 14  |
| 1,4-Dioxane                      | 11             | U         | 11   | 270 |
| Bromodichloromethane             | 3.1            | U         | 1.7  | 20  |
| cis-1,3-Dichloropropene          | 5.5            | U         | 1.9  | 14  |
| methyl isobutyl ketone           | 230            | D         | 1.7  | 31  |
| Toluene                          | 500            | D         | 0.97 | 11  |
| trans-1,3-Dichloropropene        | 5.5            | U         | 1.5  | 14  |
| 1,1,2-Trichloroethane            | 2.5            | U         | 1.4  | 17  |
| Tetrachloroethene                | 29             | D         | 1.6  | 21  |
| Methyl Butyl Ketone (2-Hexanone) | 12             | U         | 12   | 31  |
| Dibromochloromethane             | 3.9            | U         | 2.6  | 26  |
| 1,2-Dibromoethane                | 9.3            | U         | 2.3  | 23  |
| Chlorobenzene                    | 2.1            | U         | 0.57 | 14  |
| Ethylbenzene                     | 9.9            | J D       | 0.86 | 13  |
| m,p-Xylene                       | 33             | J D       | 1.5  | 33  |
| Xylene, o-                       | 10             | J D       | 1.1  | 13  |
| Xylene (total)                   | 43             |           | 2.2  | 13  |
| Styrene                          | 1.9            | U         | 1.2  | 13  |
| Bromoform                        | 4.7            | U         | 1.6  | 31  |
| Cumene                           | 2.2            | U         | 1.2  | 15  |
| 1,1,2,2-Tetrachloroethane        | 3.1            | U         | 1.7  | 21  |
| n-Propylbenzene                  | 6.0            | U         | 6.0  | 15  |
| 4-Ethyltoluene                   | 2.2            | U         | 1.3  | 15  |
| 1,3,5-Trimethylbenzene           | 2.2            | U         | 0.90 | 15  |
| 2-Chlorotoluene                  | 2.4            | U         | 1.0  | 16  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL  | LOQ |
|------------------------|----------------|-----------|-----|-----|
| tert-Butylbenzene      | 2.5            | U         | 1.4 | 17  |
| 1,2,4-Trimethylbenzene | 1.1            | J D       | 1.0 | 15  |
| sec-Butylbenzene       | 6.7            | U         | 6.7 | 17  |
| 4-Isopropyltoluene     | 6.7            | U         | 6.7 | 17  |
| 1,3-Dichlorobenzene    | 1.9            | J D       | 1.3 | 18  |
| 1,4-Dichlorobenzene    | 2.7            | U         | 1.3 | 18  |
| Benzyl chloride        | 6.3            | U         | 6.3 | 16  |
| n-Butylbenzene         | 6.7            | U         | 6.7 | 17  |
| 1,2-Dichlorobenzene    | 2.7            | U         | 1.3 | 18  |
| 1,2,4-Trichlorobenzene | 9.0            | U         | 3.0 | 56  |
| Hexachlorobutadiene    | 13             | U         | 3.6 | 32  |
| Naphthalene            | 16             | U         | 16  | 40  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ |
|-------------------------------|------------------|-----------|-------|-----|
| Dichlorodifluoromethane       | 0.74             | J D       | 0.15  | 2.5 |
| Freon 22                      | 0.54             | J D M     | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U         | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U         | 0.68  | 2.5 |
| n-Butane                      | 5.7              | D         | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U         | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U         | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U         | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U         | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U         | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.64             | J D M     | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U         | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U         | 0.12  | 1.0 |
| Acetone                       | 120              | D         | 6.3   | 25  |
| Isopropyl alcohol             | 17               | J D       | 1.1   | 25  |
| Carbon disulfide              | 0.40             | J D       | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U         | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U         | 0.63  | 2.5 |
| tert-Butyl alcohol            | 5.5              | J D       | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.47             | J D       | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U         | 0.15  | 1.0 |
| n-Hexane                      | 0.60             | J D       | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U         | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 16               | D         | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U         | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U         | 0.32  | 1.0 |
| Chloroform                    | 3.0              | D         | 0.13  | 1.0 |
| Tetrahydrofuran               | 17               | J D       | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U         | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U         | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U         | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 0.43             | J D       | 0.14  | 1.0 |
| Benzene                       | 0.39             | J D M     | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U         | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U         | 0.23  | 1.0 |
| Trichloroethene               | 3.4              | D         | 0.12  | 1.0 |
| Methyl methacrylate           | 0.46             | J D       | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U         | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U         | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U         | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U         | 0.14  | 1.0 |
| methyl isobutyl ketone        | 1.3              | J D       | 0.14  | 2.5 |
| Toluene                       | 4.4              | D         | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U         | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U         | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U         | 0.080 | 1.0 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ |
|----------------------------------|------------------|-----------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U         | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U         | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U         | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U         | 0.041 | 1.0 |
| Ethylbenzene                     | 0.64             | J D       | 0.065 | 1.0 |
| m,p-Xylene                       | 2.1              | J D       | 0.12  | 2.5 |
| Xylene, o-                       | 0.71             | J D M     | 0.080 | 1.0 |
| Xylene (total)                   | 2.8              |           | 0.17  | 1.0 |
| Styrene                          | 0.81             | J D       | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U         | 0.050 | 1.0 |
| Cumene                           | 0.13             | J D       | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U         | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U         | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.31             | J D       | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.29             | J D       | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U         | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U         | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.94             | J D       | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U         | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U         | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 4.3              | D         | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U         | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U         | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U         | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U         | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U         | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.7            | J D       | 0.74 | 12  |
| Freon 22                      | 1.9            | J D M     | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U         | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U         | 1.4  | 5.2 |
| n-Butane                      | 13             | D         | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U         | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U         | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U         | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U         | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U         | 0.66 | 4.4 |
| Trichlorofluoromethane        | 3.6            | J D M     | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U         | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U         | 0.48 | 4.0 |
| Acetone                       | 280            | D         | 15   | 59  |
| Isopropyl alcohol             | 43             | J D       | 2.6  | 61  |
| Carbon disulfide              | 1.3            | J D       | 1.0  | 7.8 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 17             | J D       | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.7            | J D       | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 2.1            | J D       | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 48             | D         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 14             | D         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 49             | J D       | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 2.0            | J D       | 0.63 | 4.7 |
| Benzene                          | 1.2            | J D M     | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.6            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 18             | D         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.9            | J D       | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 5.2            | J D       | 0.55 | 10  |
| Toluene                          | 17             | D         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.8            | J D       | 0.28 | 4.3 |
| m,p-Xylene                       | 9.1            | J D       | 0.50 | 11  |
| Xylene, o-                       | 3.1            | J D M     | 0.35 | 4.3 |
| Xylene (total)                   | 12             |           | 0.74 | 4.3 |
| Styrene                          | 3.4            | J D       | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.64           | J D       | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 1.5            | J D       | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.4            | J D       | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.82           | U         | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 4.6            | J D       | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U         | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U         | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 26             | D         | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U         | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U         | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U         | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U         | 1.2  | 11  |
| Naphthalene            | 5.2            | U         | 5.2  | 13  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ |
|-------------------------------|------------------|-----------|-------|-----|
| Dichlorodifluoromethane       | 0.70             | J D       | 0.15  | 2.5 |
| Freon 22                      | 0.43             | J D M     | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U         | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U         | 0.68  | 2.5 |
| n-Butane                      | 8.5              | D         | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U         | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U         | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U         | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U         | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U         | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.66             | J D       | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U         | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U         | 0.12  | 1.0 |
| Acetone                       | 130              | D         | 6.3   | 25  |
| Isopropyl alcohol             | 73               | D         | 1.1   | 25  |
| Carbon disulfide              | 1.0              | U         | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U         | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U         | 0.63  | 2.5 |
| tert-Butyl alcohol            | 2.5              | U         | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.40             | U         | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U         | 0.15  | 1.0 |
| n-Hexane                      | 0.78             | J D       | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U         | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 6.0              | D         | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U         | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U         | 0.32  | 1.0 |
| Chloroform                    | 0.40             | U         | 0.13  | 1.0 |
| Tetrahydrofuran               | 0.40             | U         | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U         | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U         | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U         | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 1.3              | D         | 0.14  | 1.0 |
| Benzene                       | 0.39             | J D       | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U         | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U         | 0.23  | 1.0 |
| Trichloroethene               | 0.40             | U         | 0.12  | 1.0 |
| Methyl methacrylate           | 0.40             | U         | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U         | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U         | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U         | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U         | 0.14  | 1.0 |
| methyl isobutyl ketone        | 0.64             | J D       | 0.14  | 2.5 |
| Toluene                       | 9.7              | D         | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U         | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U         | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U         | 0.080 | 1.0 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ |
|----------------------------------|------------------|-----------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U         | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U         | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U         | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U         | 0.041 | 1.0 |
| Ethylbenzene                     | 0.46             | J D       | 0.065 | 1.0 |
| m,p-Xylene                       | 1.7              | J D       | 0.12  | 2.5 |
| Xylene, o-                       | 0.57             | J D       | 0.080 | 1.0 |
| Xylene (total)                   | 2.3              |           | 0.17  | 1.0 |
| Styrene                          | 0.15             | U         | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U         | 0.050 | 1.0 |
| Cumene                           | 0.15             | U         | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U         | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U         | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.16             | J D       | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.26             | J D       | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U         | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U         | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.71             | J D       | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U         | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U         | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U         | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U         | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U         | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U         | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U         | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.5            | J D       | 0.74 | 12  |
| Freon 22                      | 1.5            | J D M     | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U         | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U         | 1.4  | 5.2 |
| n-Butane                      | 20             | D         | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U         | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U         | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U         | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U         | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U         | 0.66 | 4.4 |
| Trichlorofluoromethane        | 3.7            | J D       | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U         | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U         | 0.48 | 4.0 |
| Acetone                       | 300            | D         | 15   | 59  |
| Isopropyl alcohol             | 180            | D         | 2.6  | 61  |
| Carbon disulfide              | 3.1            | U         | 1.0  | 7.8 |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 7.6            | U         | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.4            | U         | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 2.8            | J D       | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 18             | D         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 2.0            | U         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 1.2            | U         | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 5.9            | D         | 0.63 | 4.7 |
| Benzene                          | 1.2            | J D       | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.6            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 2.1            | U         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.6            | U         | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 2.6            | J D       | 0.55 | 10  |
| Toluene                          | 36             | D         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.0            | J D       | 0.28 | 4.3 |
| m,p-Xylene                       | 7.2            | J D       | 0.50 | 11  |
| Xylene, o-                       | 2.5            | J D       | 0.35 | 4.3 |
| Xylene (total)                   | 9.9            |           | 0.74 | 4.3 |
| Styrene                          | 0.64           | U         | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.74           | U         | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 0.80           | J D       | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.3            | J D       | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.82           | U         | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 3.5            | J D       | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U         | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U         | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U         | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U         | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U         | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U         | 1.2  | 11  |
| Naphthalene            | 5.2            | U         | 5.2  | 13  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ |
|-------------------------------|------------------|-----------|-------|-----|
| Dichlorodifluoromethane       | 0.80             | J D       | 0.15  | 2.5 |
| Freon 22                      | 0.56             | J D       | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U         | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U         | 0.68  | 2.5 |
| n-Butane                      | 9.3              | D         | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U         | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U         | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U         | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U         | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U         | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.77             | J D       | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U         | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U         | 0.12  | 1.0 |
| Acetone                       | 140              | D         | 6.3   | 25  |
| Isopropyl alcohol             | 76               | D         | 1.1   | 25  |
| Carbon disulfide              | 1.0              | U         | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U         | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U         | 0.63  | 2.5 |
| tert-Butyl alcohol            | 2.5              | U         | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.40             | U         | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U         | 0.15  | 1.0 |
| n-Hexane                      | 0.84             | J D       | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U         | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 6.9              | D         | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U         | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U         | 0.32  | 1.0 |
| Chloroform                    | 0.40             | U         | 0.13  | 1.0 |
| Tetrahydrofuran               | 0.40             | U         | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U         | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U         | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U         | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 1.5              | D         | 0.14  | 1.0 |
| Benzene                       | 0.38             | J D       | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U         | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U         | 0.23  | 1.0 |
| Trichloroethene               | 0.40             | U         | 0.12  | 1.0 |
| Methyl methacrylate           | 0.40             | U         | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U         | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U         | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U         | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U         | 0.14  | 1.0 |
| methyl isobutyl ketone        | 1.2              | J D       | 0.14  | 2.5 |
| Toluene                       | 11               | D         | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U         | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U         | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U         | 0.080 | 1.0 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ |
|----------------------------------|------------------|-----------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U         | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U         | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U         | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U         | 0.041 | 1.0 |
| Ethylbenzene                     | 0.55             | J D       | 0.065 | 1.0 |
| m,p-Xylene                       | 2.1              | J D       | 0.12  | 2.5 |
| Xylene, o-                       | 0.71             | J D       | 0.080 | 1.0 |
| Xylene (total)                   | 2.8              |           | 0.17  | 1.0 |
| Styrene                          | 0.15             | U         | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U         | 0.050 | 1.0 |
| Cumene                           | 0.15             | U         | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U         | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U         | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.28             | J D       | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.32             | J D       | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U         | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U         | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.80             | J D       | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U         | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U         | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U         | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U         | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U         | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U         | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U         | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U         | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.9            | J D       | 0.74 | 12  |
| Freon 22                      | 2.0            | J D       | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U         | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U         | 1.4  | 5.2 |
| n-Butane                      | 22             | D         | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U         | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U         | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U         | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U         | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U         | 0.66 | 4.4 |
| Trichlorofluoromethane        | 4.3            | J D       | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U         | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U         | 0.48 | 4.0 |
| Acetone                       | 320            | D         | 15   | 59  |
| Isopropyl alcohol             | 190            | D         | 2.6  | 61  |
| Carbon disulfide              | 3.1            | U         | 1.0  | 7.8 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 7.6            | U         | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.4            | U         | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 3.0            | J D       | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 20             | D         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 2.0            | U         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 1.2            | U         | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 6.9            | D         | 0.63 | 4.7 |
| Benzene                          | 1.2            | J D       | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.6            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 2.1            | U         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.6            | U         | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 4.8            | J D       | 0.55 | 10  |
| Toluene                          | 42             | D         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.4            | J D       | 0.28 | 4.3 |
| m,p-Xylene                       | 8.9            | J D       | 0.50 | 11  |
| Xylene, o-                       | 3.1            | J D       | 0.35 | 4.3 |
| Xylene (total)                   | 12             |           | 0.74 | 4.3 |
| Styrene                          | 0.64           | U         | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.74           | U         | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 1.4            | J D       | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.6            | J D       | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.82           | U         | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 3.9            | J D       | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U         | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U         | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U         | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U         | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U         | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U         | 1.2  | 11  |
| Naphthalene            | 5.2            | U         | 5.2  | 13  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.55             |           | 0.030 | 0.50 |
| Freon 22                      | 0.26             | J         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.54             |           | 0.14  | 0.50 |
| n-Butane                      | 1.5              |           | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.24             | M         | 0.030 | 0.20 |
| Freon TF                      | 0.071            | J M       | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 3.9              | J         | 1.3   | 5.0  |
| Isopropyl alcohol             | 0.59             | J         | 0.22  | 5.0  |
| Carbon disulfide              | 0.20             | U         | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.20             | U         | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.63             |           | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 0.44             | J         | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 0.080            | U         | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.080            | U         | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.070            | J         | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.049            | J         | 0.027 | 0.20 |
| Benzene                       | 0.095            | J         | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.50             | M         | 0.046 | 0.20 |
| Trichloroethene               | 0.080            | U         | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.030            | U         | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.080            | U         | 0.027 | 0.50 |
| Toluene                       | 0.37             |           | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 0.030            | U         | 0.016 | 0.20 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.030            | U         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.080            | U         | 0.023  | 0.50 |
| Xylene, o-                       | 0.030            | U         | 0.016  | 0.20 |
| Xylene (total)                   | 0.080            | U         | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.030            | U         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.036            | J         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.042            | J         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.088            | J         | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 2.7            |           | 0.15  | 2.5  |
| Freon 22                      | 0.93           | J         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.1            |           | 0.28  | 1.0  |
| n-Butane                      | 3.6            |           | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 1.3            | M         | 0.17  | 1.1  |
| Freon TF                      | 0.54           | J M       | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 9.3            | J         | 3.0   | 12   |
| Isopropyl alcohol             | 1.5            | J         | 0.53  | 12   |
| Carbon disulfide              | 0.62           | U         | 0.21  | 1.6  |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 0.69           | U         | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 2.2            |           | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 1.3            | J         | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 0.39           | U         | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 0.44           | U         | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 0.44           | J         | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 0.23           | J         | 0.13  | 0.93 |
| Benzene                          | 0.30           | J         | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 2.0            | M         | 0.19  | 0.82 |
| Trichloroethene                  | 0.43           | U         | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.20           | U         | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.33           | U         | 0.11  | 2.0  |
| Toluene                          | 1.4            |           | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 0.20           | U         | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.13           | U         | 0.056 | 0.87 |
| m,p-Xylene                       | 0.35           | U         | 0.10  | 2.2  |
| Xylene, o-                       | 0.13           | U         | 0.069 | 0.87 |
| Xylene (total)                   | 0.35           | U         | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.15           | U         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.18           | J         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.20           | J         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 0.43           | J         | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Client Matrix: Air

Date Sampled: 04/15/2014 1430

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.78             |           | 0.030 | 0.50 |
| Freon 22                      | 0.43             | J         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.50             | U         | 0.14  | 0.50 |
| n-Butane                      | 0.78             |           | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.84             |           | 0.030 | 0.20 |
| Freon TF                      | 0.14             | J         | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 13               |           | 1.3   | 5.0  |
| Isopropyl alcohol             | 2.5              | J         | 0.22  | 5.0  |
| Carbon disulfide              | 0.74             |           | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.87             |           | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.080            | J         | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 1.1              |           | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 15               |           | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.48             |           | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.54             |           | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.24             |           | 0.027 | 0.20 |
| Benzene                       | 0.12             | J M       | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.080            | U         | 0.046 | 0.20 |
| Trichloroethene               | 8.4              |           | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.095            | J M       | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.14             | J         | 0.027 | 0.50 |
| Toluene                       | 0.80             |           | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 2.1              |           | 0.016 | 0.20 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Client Matrix: Air

Date Sampled: 04/15/2014 1430

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.10             | J         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.49             | J         | 0.023  | 0.50 |
| Xylene, o-                       | 0.18             | J         | 0.016  | 0.20 |
| Xylene (total)                   | 0.67             |           | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.018            | J         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.070            | J         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.075            | J         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.22             |           | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 3.8            |           | 0.15  | 2.5  |
| Freon 22                      | 1.5            | J         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.0            | U         | 0.28  | 1.0  |
| n-Butane                      | 1.8            |           | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 4.7            |           | 0.17  | 1.1  |
| Freon TF                      | 1.1            | J         | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 31             |           | 3.0   | 12   |
| Isopropyl alcohol             | 6.2            | J         | 0.53  | 12   |
| Carbon disulfide              | 2.3            |           | 0.21  | 1.6  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Client Matrix: Air

Date Sampled: 04/15/2014 1430

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 3.0            |           | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 0.28           | J         | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 3.2            |           | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 73             |           | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 2.6            |           | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 3.4            |           | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 1.1            |           | 0.13  | 0.93 |
| Benzene                          | 0.38           | J M       | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 0.33           | U         | 0.19  | 0.82 |
| Trichloroethene                  | 45             |           | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.63           | J M       | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.58           | J         | 0.11  | 2.0  |
| Toluene                          | 3.0            |           | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 14             |           | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.45           | J         | 0.056 | 0.87 |
| m,p-Xylene                       | 2.1            | J         | 0.10  | 2.2  |
| Xylene, o-                       | 0.77           | J         | 0.069 | 0.87 |
| Xylene (total)                   | 2.9            |           | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.090          | J         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.35           | J         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.37           | J         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 101CA01CA

Lab Sample ID: 280-54595-8

Date Sampled: 04/15/2014 1430

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 1.1            |           | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Client Matrix: Air

Date Sampled: 04/16/2014 1200

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.080            | U         | 0.030 | 0.50 |
| Freon 22                      | 0.080            | U         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.50             | U         | 0.14  | 0.50 |
| n-Butane                      | 0.50             | U         | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.080            | U         | 0.030 | 0.20 |
| Freon TF                      | 0.030            | U         | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 2.5              | U         | 1.3   | 5.0  |
| Isopropyl alcohol             | 0.50             | U         | 0.22  | 5.0  |
| Carbon disulfide              | 0.20             | U         | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.20             | U         | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.080            | U         | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 0.50             | U         | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 0.080            | U         | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.080            | U         | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.080            | U         | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.080            | U         | 0.027 | 0.20 |
| Benzene                       | 0.030            | U         | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.080            | U         | 0.046 | 0.20 |
| Trichloroethene               | 0.080            | U         | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.030            | U         | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.080            | U         | 0.027 | 0.50 |
| Toluene                       | 0.030            | U         | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 0.030            | U         | 0.016 | 0.20 |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Client Matrix: Air

Date Sampled: 04/16/2014 1200

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.030            | U         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.080            | U         | 0.023  | 0.50 |
| Xylene, o-                       | 0.030            | U         | 0.016  | 0.20 |
| Xylene (total)                   | 0.080            | U         | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.030            | U         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.030            | U         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.030            | U         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.030            | U         | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.40           | U         | 0.15  | 2.5  |
| Freon 22                      | 0.28           | U         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.0            | U         | 0.28  | 1.0  |
| n-Butane                      | 1.2            | U         | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 0.45           | U         | 0.17  | 1.1  |
| Freon TF                      | 0.23           | U         | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 5.9            | U         | 3.0   | 12   |
| Isopropyl alcohol             | 1.2            | U         | 0.53  | 12   |
| Carbon disulfide              | 0.62           | U         | 0.21  | 1.6  |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Client Matrix: Air

Date Sampled: 04/16/2014 1200

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 0.69           | U         | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 0.28           | U         | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 1.5            | U         | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 0.39           | U         | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 0.44           | U         | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 0.50           | U         | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 0.37           | U         | 0.13  | 0.93 |
| Benzene                          | 0.096          | U         | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 0.33           | U         | 0.19  | 0.82 |
| Trichloroethene                  | 0.43           | U         | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.20           | U         | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.33           | U         | 0.11  | 2.0  |
| Toluene                          | 0.11           | U         | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 0.20           | U         | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.13           | U         | 0.056 | 0.87 |
| m,p-Xylene                       | 0.35           | U         | 0.10  | 2.2  |
| Xylene, o-                       | 0.13           | U         | 0.069 | 0.87 |
| Xylene (total)                   | 0.35           | U         | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.15           | U         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.15           | U         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.15           | U         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Client Sample ID:** 041614TB

Lab Sample ID: 280-54595-9TB

Date Sampled: 04/16/2014 1200

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 0.15           | U         | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

# Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

## Method Blank - Batch: 200-71232

Lab Sample ID: MB 200-71232/6  
Client Matrix: Air  
Dilution: 1.0  
Analysis Date: 04/25/2014 1603  
Prep Date: 04/25/2014 1603  
Leach Date: N/A

Analysis Batch: 200-71232  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ppb v/v

## Method: TO-15

### Preparation: Summa Canister

Instrument ID: CHW.i  
Lab File ID: 7223\_006.d  
Initial Weight/Volume: 200 mL  
Final Weight/Volume: 200 mL  
Injection Volume: 200 mL

| Analyte                       | Result | Qual | DL    | LOQ  |
|-------------------------------|--------|------|-------|------|
| Dichlorodifluoromethane       | 0.080  | U    | 0.030 | 0.50 |
| Freon 22                      | 0.080  | U    | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080  | U    | 0.035 | 0.20 |
| Chloromethane                 | 0.50   | U    | 0.14  | 0.50 |
| n-Butane                      | 0.50   | U    | 0.28  | 0.50 |
| Vinyl chloride                | 0.080  | U    | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080  | U    | 0.042 | 0.20 |
| Bromomethane                  | 0.080  | U    | 0.028 | 0.20 |
| Chloroethane                  | 0.080  | U    | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080  | U    | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.080  | U    | 0.030 | 0.20 |
| Freon TF                      | 0.030  | U    | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080  | U    | 0.024 | 0.20 |
| Acetone                       | 2.5    | U    | 1.3   | 5.0  |
| Isopropyl alcohol             | 0.50   | U    | 0.22  | 5.0  |
| Carbon disulfide              | 0.20   | U    | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080  | U    | 0.034 | 0.50 |
| Methylene Chloride            | 0.20   | U    | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50   | U    | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080  | U    | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080  | U    | 0.029 | 0.20 |
| n-Hexane                      | 0.0843 | J    | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080  | U    | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 0.50   | U    | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080  | U    | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080  | U    | 0.064 | 0.20 |
| Chloroform                    | 0.080  | U    | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080  | U    | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.080  | U    | 0.021 | 0.20 |
| Cyclohexane                   | 0.080  | U    | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.080  | U    | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.080  | U    | 0.027 | 0.20 |
| Benzene                       | 0.030  | U    | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030  | U    | 0.017 | 0.20 |
| n-Heptane                     | 0.0503 | J M  | 0.046 | 0.20 |
| Trichloroethene               | 0.080  | U    | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080  | U    | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080  | U    | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20   | U    | 0.20  | 5.0  |
| Bromodichloromethane          | 0.030  | U    | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080  | U    | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.080  | U    | 0.027 | 0.50 |
| Toluene                       | 0.030  | U    | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080  | U    | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030  | U    | 0.017 | 0.20 |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Method Blank - Batch: 200-71232

Lab Sample ID: MB 200-71232/6  
 Client Matrix: Air  
 Dilution: 1.0  
 Analysis Date: 04/25/2014 1603  
 Prep Date: 04/25/2014 1603  
 Leach Date: N/A

Analysis Batch: 200-71232  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ppb v/v

### Method: TO-15

#### Preparation: Summa Canister

Instrument ID: CHW.i  
 Lab File ID: 7223\_006.d  
 Initial Weight/Volume: 200 mL  
 Final Weight/Volume: 200 mL  
 Injection Volume: 200 mL

| Analyte                          | Result | Qual | DL     | LOQ  |
|----------------------------------|--------|------|--------|------|
| Tetrachloroethene                | 0.030  | U    | 0.016  | 0.20 |
| Methyl Butyl Ketone (2-Hexanone) | 0.20   | U    | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030  | U    | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080  | U    | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030  | U    | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.030  | U    | 0.013  | 0.20 |
| m,p-Xylene                       | 0.080  | U    | 0.023  | 0.50 |
| Xylene, o-                       | 0.030  | U    | 0.016  | 0.20 |
| Xylene (total)                   | 0.080  | U    | 0.034  | 0.20 |
| Styrene                          | 0.030  | U    | 0.018  | 0.20 |
| Bromoform                        | 0.030  | U    | 0.010  | 0.20 |
| Cumene                           | 0.030  | U    | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030  | U    | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080  | U    | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.030  | U    | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.030  | U    | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030  | U    | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030  | U    | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.030  | U    | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080  | U    | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080  | U    | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.0338 | J    | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.0439 | J M  | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080  | U    | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080  | U    | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.0253 | J M  | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.0588 | J    | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080  | U    | 0.022  | 0.20 |
| Naphthalene                      | 0.20   | U    | 0.20   | 0.50 |

# Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

## Method Blank - Batch: 200-71232

Lab Sample ID: MB 200-71232/6  
Client Matrix: Air  
Dilution: 1.0  
Analysis Date: 04/25/2014 1603  
Prep Date: 04/25/2014 1603  
Leach Date: N/A

Analysis Batch: 200-71232  
Prep Batch: N/A  
Leach Batch: N/A  
Units: ug/m3

## Method: TO-15

### Preparation: Summa Canister

Instrument ID: CHW.i  
Lab File ID: 7223\_006.d  
Initial Weight/Volume: 200 mL  
Final Weight/Volume: 200 mL  
Injection Volume: 200 mL

| Analyte                       | Result | Qual | DL    | LOQ  |
|-------------------------------|--------|------|-------|------|
| Dichlorodifluoromethane       | 0.40   | U    | 0.15  | 2.5  |
| Freon 22                      | 0.28   | U    | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56   | U    | 0.24  | 1.4  |
| Chloromethane                 | 1.0    | U    | 0.28  | 1.0  |
| n-Butane                      | 1.2    | U    | 0.67  | 1.2  |
| Vinyl chloride                | 0.20   | U    | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18   | U    | 0.093 | 0.44 |
| Bromomethane                  | 0.31   | U    | 0.11  | 0.78 |
| Chloroethane                  | 0.21   | U    | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35   | U    | 0.13  | 0.87 |
| Trichlorofluoromethane        | 0.45   | U    | 0.17  | 1.1  |
| Freon TF                      | 0.23   | U    | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32   | U    | 0.095 | 0.79 |
| Acetone                       | 5.9    | U    | 3.0   | 12   |
| Isopropyl alcohol             | 1.2    | U    | 0.53  | 12   |
| Carbon disulfide              | 0.62   | U    | 0.21  | 1.6  |
| 3-Chloropropene               | 0.25   | U    | 0.11  | 1.6  |
| Methylene Chloride            | 0.69   | U    | 0.43  | 1.7  |
| tert-Butyl alcohol            | 1.5    | U    | 0.99  | 15   |
| Methyl tert-butyl ether       | 0.29   | U    | 0.079 | 0.72 |
| trans-1,2-Dichloroethene      | 0.32   | U    | 0.11  | 0.79 |
| n-Hexane                      | 0.297  | J    | 0.12  | 0.70 |
| 1,1-Dichloroethane            | 0.32   | U    | 0.15  | 0.81 |
| Methyl Ethyl Ketone           | 1.5    | U    | 0.71  | 1.5  |
| cis-1,2-Dichloroethene        | 0.32   | U    | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total     | 0.32   | U    | 0.25  | 0.79 |
| Chloroform                    | 0.39   | U    | 0.12  | 0.98 |
| Tetrahydrofuran               | 0.24   | U    | 0.14  | 15   |
| 1,1,1-Trichloroethane         | 0.44   | U    | 0.11  | 1.1  |
| Cyclohexane                   | 0.28   | U    | 0.086 | 0.69 |
| Carbon tetrachloride          | 0.50   | U    | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane        | 0.37   | U    | 0.13  | 0.93 |
| Benzene                       | 0.096  | U    | 0.061 | 0.64 |
| 1,2-Dichloroethane            | 0.12   | U    | 0.069 | 0.81 |
| n-Heptane                     | 0.206  | J M  | 0.19  | 0.82 |
| Trichloroethene               | 0.43   | U    | 0.13  | 1.1  |
| Methyl methacrylate           | 0.33   | U    | 0.12  | 2.0  |
| 1,2-Dichloropropane           | 0.37   | U    | 0.15  | 0.92 |
| 1,4-Dioxane                   | 0.72   | U    | 0.72  | 18   |
| Bromodichloromethane          | 0.20   | U    | 0.11  | 1.3  |
| cis-1,3-Dichloropropene       | 0.36   | U    | 0.13  | 0.91 |
| methyl isobutyl ketone        | 0.33   | U    | 0.11  | 2.0  |
| Toluene                       | 0.11   | U    | 0.064 | 0.75 |
| trans-1,3-Dichloropropene     | 0.36   | U    | 0.10  | 0.91 |
| 1,1,2-Trichloroethane         | 0.16   | U    | 0.093 | 1.1  |

# Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

## Method Blank - Batch: 200-71232

Lab Sample ID: MB 200-71232/6  
 Client Matrix: Air  
 Dilution: 1.0  
 Analysis Date: 04/25/2014 1603  
 Prep Date: 04/25/2014 1603  
 Leach Date: N/A

Analysis Batch: 200-71232  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/m3

## Method: TO-15

### Preparation: Summa Canister

Instrument ID: CHW.i  
 Lab File ID: 7223\_006.d  
 Initial Weight/Volume: 200 mL  
 Final Weight/Volume: 200 mL  
 Injection Volume: 200 mL

| Analyte                          | Result | Qual | DL    | LOQ  |
|----------------------------------|--------|------|-------|------|
| Tetrachloroethene                | 0.20   | U    | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82   | U    | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26   | U    | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61   | U    | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14   | U    | 0.037 | 0.92 |
| Ethylbenzene                     | 0.13   | U    | 0.056 | 0.87 |
| m,p-Xylene                       | 0.35   | U    | 0.10  | 2.2  |
| Xylene, o-                       | 0.13   | U    | 0.069 | 0.87 |
| Xylene (total)                   | 0.35   | U    | 0.15  | 0.87 |
| Styrene                          | 0.13   | U    | 0.077 | 0.85 |
| Bromoform                        | 0.31   | U    | 0.10  | 2.1  |
| Cumene                           | 0.15   | U    | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21   | U    | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39   | U    | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.15   | U    | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.15   | U    | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16   | U    | 0.067 | 1.0  |
| tert-Butylbenzene                | 0.16   | U    | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene           | 0.15   | U    | 0.069 | 0.98 |
| sec-Butylbenzene                 | 0.44   | U    | 0.44  | 1.1  |
| 4-Isopropyltoluene               | 0.44   | U    | 0.44  | 1.1  |
| 1,3-Dichlorobenzene              | 0.203  | J    | 0.084 | 1.2  |
| 1,4-Dichlorobenzene              | 0.264  | J M  | 0.084 | 1.2  |
| Benzyl chloride                  | 0.41   | U    | 0.41  | 1.0  |
| n-Butylbenzene                   | 0.44   | U    | 0.44  | 1.1  |
| 1,2-Dichlorobenzene              | 0.152  | J M  | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene           | 0.436  | J    | 0.20  | 3.7  |
| Hexachlorobutadiene              | 0.85   | U    | 0.23  | 2.1  |
| Naphthalene                      | 1.0    | U    | 1.0   | 2.6  |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Lab Control Sample - Batch: 200-71232

### Method: TO-15

### Preparation: Summa Canister

|                                |                           |                               |
|--------------------------------|---------------------------|-------------------------------|
| Lab Sample ID: LCS 200-71232/5 | Analysis Batch: 200-71232 | Instrument ID: CHW.i          |
| Client Matrix: Air             | Prep Batch: N/A           | Lab File ID: 7223_005.d       |
| Dilution: 1.0                  | Leach Batch: N/A          | Initial Weight/Volume: 200 mL |
| Analysis Date: 04/25/2014 1508 | Units: ppb v/v            | Final Weight/Volume: 200 mL   |
| Prep Date: 04/25/2014 1508     |                           | Injection Volume: 200 mL      |
| Leach Date: N/A                |                           |                               |

| Analyte                          | Spike Amount | Result | % Rec. | Limit    | Qual |
|----------------------------------|--------------|--------|--------|----------|------|
| Dichlorodifluoromethane          | 10.0         | 10.4   | 105    | 70 - 130 |      |
| Freon 22                         | 10.0         | 10.8   | 108    | 70 - 130 |      |
| 1,2-Dichlorotetrafluoroethane    | 10.0         | 10.3   | 103    | 70 - 130 |      |
| Chloromethane                    | 10.0         | 9.31   | 93     | 70 - 130 |      |
| n-Butane                         | 10.0         | 10.1   | 101    | 70 - 130 |      |
| Vinyl chloride                   | 10.0         | 8.71   | 87     | 70 - 130 |      |
| 1,3-Butadiene                    | 10.0         | 9.47   | 95     | 70 - 130 |      |
| Bromomethane                     | 10.0         | 7.98   | 80     | 70 - 130 |      |
| Chloroethane                     | 10.0         | 9.17   | 92     | 70 - 130 |      |
| Bromoethene(Vinyl Bromide)       | 10.0         | 8.42   | 84     | 70 - 130 |      |
| Trichlorofluoromethane           | 10.0         | 9.61   | 96     | 70 - 130 |      |
| Freon TF                         | 10.0         | 8.56   | 86     | 70 - 130 |      |
| 1,1-Dichloroethene               | 10.0         | 8.70   | 87     | 70 - 130 |      |
| Acetone                          | 10.0         | 11.1   | 111    | 70 - 130 |      |
| Isopropyl alcohol                | 10.0         | 9.34   | 93     | 70 - 130 |      |
| Carbon disulfide                 | 10.0         | 9.92   | 99     | 70 - 130 |      |
| 3-Chloropropene                  | 10.0         | 10.1   | 101    | 70 - 130 |      |
| Methylene Chloride               | 10.0         | 9.86   | 99     | 70 - 130 |      |
| tert-Butyl alcohol               | 10.0         | 10.1   | 101    | 70 - 130 |      |
| Methyl tert-butyl ether          | 10.0         | 11.2   | 112    | 70 - 130 |      |
| trans-1,2-Dichloroethene         | 10.0         | 10.6   | 106    | 70 - 130 |      |
| n-Hexane                         | 10.0         | 11.1   | 111    | 70 - 130 |      |
| 1,1-Dichloroethane               | 10.0         | 9.09   | 91     | 70 - 130 |      |
| Methyl Ethyl Ketone              | 10.0         | 9.15   | 92     | 70 - 130 |      |
| cis-1,2-Dichloroethene           | 10.0         | 8.55   | 86     | 70 - 130 |      |
| Chloroform                       | 10.0         | 9.06   | 91     | 70 - 130 |      |
| Tetrahydrofuran                  | 10.0         | 9.70   | 97     | 70 - 130 |      |
| 1,1,1-Trichloroethane            | 10.0         | 9.70   | 97     | 70 - 130 |      |
| Cyclohexane                      | 10.0         | 9.74   | 97     | 70 - 130 |      |
| Carbon tetrachloride             | 10.0         | 9.38   | 94     | 70 - 130 |      |
| 2,2,4-Trimethylpentane           | 10.0         | 10.2   | 102    | 70 - 130 |      |
| Benzene                          | 10.0         | 8.45   | 84     | 70 - 130 |      |
| 1,2-Dichloroethane               | 10.0         | 10.4   | 104    | 70 - 130 |      |
| n-Heptane                        | 10.0         | 10.7   | 107    | 70 - 130 |      |
| Trichloroethene                  | 10.0         | 8.91   | 89     | 70 - 130 |      |
| Methyl methacrylate              | 10.0         | 9.73   | 97     | 70 - 130 |      |
| 1,2-Dichloropropane              | 10.0         | 8.49   | 85     | 70 - 130 |      |
| 1,4-Dioxane                      | 10.0         | 8.36   | 84     | 70 - 130 |      |
| Bromodichloromethane             | 10.0         | 9.36   | 94     | 70 - 130 |      |
| cis-1,3-Dichloropropene          | 10.0         | 10.3   | 103    | 70 - 130 |      |
| methyl isobutyl ketone           | 10.0         | 10.6   | 106    | 70 - 130 |      |
| Toluene                          | 10.0         | 9.20   | 92     | 70 - 130 |      |
| trans-1,3-Dichloropropene        | 10.0         | 10.6   | 106    | 70 - 130 |      |
| 1,1,2-Trichloroethane            | 10.0         | 8.48   | 85     | 70 - 130 |      |
| Tetrachloroethene                | 10.0         | 7.91   | 79     | 70 - 130 |      |
| Methyl Butyl Ketone (2-Hexanone) | 10.0         | 10.6   | 106    | 70 - 130 |      |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Lab Control Sample - Batch: 200-71232

### Method: TO-15

### Preparation: Summa Canister

|                |                 |                 |           |                        |            |
|----------------|-----------------|-----------------|-----------|------------------------|------------|
| Lab Sample ID: | LCS 200-71232/5 | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Client Matrix: | Air             | Prep Batch:     | N/A       | Lab File ID:           | 7223_005.d |
| Dilution:      | 1.0             | Leach Batch:    | N/A       | Initial Weight/Volume: | 200 mL     |
| Analysis Date: | 04/25/2014 1508 | Units:          | ppb v/v   | Final Weight/Volume:   | 200 mL     |
| Prep Date:     | 04/25/2014 1508 |                 |           | Injection Volume:      | 200 mL     |
| Leach Date:    | N/A             |                 |           |                        |            |

| Analyte                   | Spike Amount | Result | % Rec. | Limit    | Qual |
|---------------------------|--------------|--------|--------|----------|------|
| Dibromochloromethane      | 10.0         | 8.75   | 88     | 70 - 130 |      |
| 1,2-Dibromoethane         | 10.0         | 8.87   | 89     | 70 - 130 |      |
| Chlorobenzene             | 10.0         | 8.21   | 82     | 70 - 130 |      |
| Ethylbenzene              | 10.0         | 9.71   | 97     | 70 - 130 |      |
| m,p-Xylene                | 20.0         | 18.8   | 94     | 70 - 130 |      |
| Xylene, o-                | 10.0         | 9.77   | 98     | 70 - 130 |      |
| Styrene                   | 10.0         | 10.2   | 102    | 70 - 130 |      |
| Bromoform                 | 10.0         | 8.77   | 88     | 70 - 130 |      |
| Cumene                    | 10.0         | 10.1   | 101    | 70 - 130 |      |
| 1,1,2,2-Tetrachloroethane | 10.0         | 8.27   | 83     | 70 - 130 |      |
| n-Propylbenzene           | 10.0         | 9.78   | 98     | 70 - 130 |      |
| 4-Ethyltoluene            | 10.0         | 9.52   | 95     | 70 - 130 |      |
| 1,3,5-Trimethylbenzene    | 10.0         | 9.46   | 95     | 70 - 130 |      |
| 2-Chlorotoluene           | 10.0         | 9.27   | 93     | 70 - 130 |      |
| tert-Butylbenzene         | 10.0         | 9.36   | 94     | 70 - 130 |      |
| 1,2,4-Trimethylbenzene    | 10.0         | 9.85   | 99     | 70 - 130 |      |
| sec-Butylbenzene          | 10.0         | 9.50   | 95     | 70 - 130 |      |
| 4-Isopropyltoluene        | 10.0         | 9.75   | 98     | 70 - 130 |      |
| 1,3-Dichlorobenzene       | 10.0         | 8.26   | 83     | 70 - 130 |      |
| 1,4-Dichlorobenzene       | 10.0         | 8.32   | 83     | 70 - 130 |      |
| Benzyl chloride           | 10.0         | 8.66   | 87     | 70 - 130 |      |
| n-Butylbenzene            | 10.0         | 9.73   | 97     | 70 - 130 |      |
| 1,2-Dichlorobenzene       | 10.0         | 8.26   | 83     | 70 - 130 |      |
| 1,2,4-Trichlorobenzene    | 10.0         | 7.18   | 72     | 70 - 130 |      |
| Hexachlorobutadiene       | 10.0         | 8.28   | 83     | 70 - 130 |      |
| Naphthalene               | 10.0         | 7.31   | 73     | 70 - 130 |      |



## DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Section     | Qualifier | Description                                                                         |
|-----------------|-----------|-------------------------------------------------------------------------------------|
| Air - GC/MS VOA |           |                                                                                     |
|                 | J         | Estimated: The analyte was positively identified; the quantitation is an estimation |
|                 | M         | Manual integrated compound.                                                         |
|                 | D         | The reported value is from a dilution.                                              |
|                 | U         | Undetected at the Limit of Detection.                                               |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### QC Association Summary

| Lab Sample ID                   | Client Sample ID   | Report Basis | Client Matrix | Method | Prep Batch |
|---------------------------------|--------------------|--------------|---------------|--------|------------|
| <b>Air - GC/MS VOA</b>          |                    |              |               |        |            |
| <b>Analysis Batch:200-71232</b> |                    |              |               |        |            |
| LCS 200-71232/5                 | Lab Control Sample | T            | Air           | TO-15  |            |
| MB 200-71232/6                  | Method Blank       | T            | Air           | TO-15  |            |
| 280-54595-1                     | 101VMP0101CA       | T            | Air           | TO-15  |            |
| 280-54595-2                     | 101VMP0201CA       | T            | Air           | TO-15  |            |
| 280-54595-3                     | 101VMP0301CA       | T            | Air           | TO-15  |            |
| 280-54595-4                     | 101VMP0101CC       | T            | Air           | TO-15  |            |
| 280-54595-5                     | 101IA0305CA        | T            | Air           | TO-15  |            |
| 280-54595-6                     | 101IA0405CA        | T            | Air           | TO-15  |            |
| 280-54595-7                     | 101OA0305CA        | T            | Air           | TO-15  |            |
| 280-54595-8                     | 101CA01CA          | T            | Air           | TO-15  |            |
| 280-54595-9TB                   | 041614TB           | T            | Air           | TO-15  |            |

#### Report Basis

T = Total

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Laboratory Chronicle

Lab ID: 280-54595-1

Client ID: 101VMP0101CA

Sample Date/Time: 04/16/2014 10:50

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-1 |     | 200-71232      |            | 04/25/2014 16:51         | 4   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-1 |     | 200-71232      |            | 04/25/2014 16:51         | 4   | TAL BUR | BPL     |

Lab ID: 280-54595-2

Client ID: 101VMP0201CA

Sample Date/Time: 04/16/2014 10:45

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-2 |     | 200-71232      |            | 04/25/2014 17:40         | 2.5 | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-2 |     | 200-71232      |            | 04/25/2014 17:40         | 2.5 | TAL BUR | BPL     |

Lab ID: 280-54595-3

Client ID: 101VMP0301CA

Sample Date/Time: 04/16/2014 10:40

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil  | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|------|---------|---------|
| P:Summa Canister | 280-54595-A-3 |     | 200-71232      |            | 04/25/2014 18:28         | 15.2 | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-3 |     | 200-71232      |            | 04/25/2014 18:28         | 15.2 | TAL BUR | BPL     |

Lab ID: 280-54595-4

Client ID: 101VMP0101CC

Sample Date/Time: 04/16/2014 10:50

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-4 |     | 200-71232      |            | 04/25/2014 19:16         | 5   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-4 |     | 200-71232      |            | 04/25/2014 19:16         | 5   | TAL BUR | BPL     |

Lab ID: 280-54595-5

Client ID: 101IA0305CA

Sample Date/Time: 04/15/2014 14:40

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-5 |     | 200-71232      |            | 04/25/2014 20:05         | 5   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-5 |     | 200-71232      |            | 04/25/2014 20:05         | 5   | TAL BUR | BPL     |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Laboratory Chronicle

Lab ID: 280-54595-6

Client ID: 101IA0405CA

Sample Date/Time: 04/15/2014 14:35

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-6 |     | 200-71232      |            | 04/25/2014 20:54         | 5   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-6 |     | 200-71232      |            | 04/25/2014 20:54         | 5   | TAL BUR | BPL     |

Lab ID: 280-54595-7

Client ID: 101OA0305CA

Sample Date/Time: 04/17/2014 11:00

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-7 |     | 200-71232      |            | 04/25/2014 21:44         | 1   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-7 |     | 200-71232      |            | 04/25/2014 21:44         | 1   | TAL BUR | BPL     |

Lab ID: 280-54595-8

Client ID: 101CA01CA

Sample Date/Time: 04/15/2014 14:30

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-8 |     | 200-71232      |            | 04/25/2014 22:34         | 1   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-8 |     | 200-71232      |            | 04/25/2014 22:34         | 1   | TAL BUR | BPL     |

Lab ID: 280-54595-9

Client ID: 041614TB

Sample Date/Time: 04/16/2014 12:00

Received Date/Time: 04/23/2014 15:03

| Method           | Bottle ID     | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|---------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | 280-54595-A-9 |     | 200-71232      |            | 04/25/2014 23:23         | 1   | TAL BUR | BPL     |
| A:TO-15          | 280-54595-A-9 |     | 200-71232      |            | 04/25/2014 23:23         | 1   | TAL BUR | BPL     |

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 200-71232/6 |     | 200-71232      |            | 04/25/2014 16:03         | 1   | TAL BUR | BPL     |
| A:TO-15          | MB 200-71232/6 |     | 200-71232      |            | 04/25/2014 16:03         | 1   | TAL BUR | BPL     |

## Quality Control Results

Client: FPM Remediations Inc

Job Number: 280-54595-1

### Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

| Method           | Bottle ID       | Run | Analysis Batch | Prep Batch | Date Prepared / Analyzed | Dil | Lab     | Analyst |
|------------------|-----------------|-----|----------------|------------|--------------------------|-----|---------|---------|
| P:Summa Canister | LCS 200-71232/5 |     | 200-71232      |            | 04/25/2014 15:08         | 1   | TAL BUR | BPL     |
| A:TO-15          | LCS 200-71232/5 |     | 200-71232      |            | 04/25/2014 15:08         | 1   | TAL BUR | BPL     |

#### Lab References:

TAL BUR = TestAmerica Burlington

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID        | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent    |              | Analyte                       | Concentration   |
|-------------------|----------|-----------|--------------------|----------------------|-------------------|--------------|-------------------------------|-----------------|
|                   |          |           |                    |                      | Reagent ID        | Volume Added |                               |                 |
| ATTO15CAL1w_00088 | 04/30/14 | 02/01/14  | DI WATER, Lot 4487 | 15.463 L             | ATTO15CAL6w_00086 | 155 mL       | 1,1,1-Trichloroethane         | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,1,2,2-Tetrachloroethane     | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,1,2-Trichloroethane         | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,1-Dichloroethane            | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,1-Dichloroethene            | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2,3-Trichlorobenzene        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2,3-Trichloropropane        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2,4-Trichlorobenzene        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2,4-Trimethylbenzene        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2-Dibromoethane             | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2-Dichlorobenzene           | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2-Dichloroethane            | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2-Dichloropropane           | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,2-Dichlorotetrafluoroethane | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,3,5-Trimethylbenzene        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,3-Butadiene                 | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,3-Dichlorobenzene           | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,4-Dichlorobenzene           | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 1,4-Dioxane                   | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 2,2,4-Trimethylpentane        | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 2-Chlorotoluene               | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 2-Methylbutane                | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 3-Chloropropene               | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 4-Ethyltoluene                | 0.20044 ppb v/v |
|                   |          |           |                    |                      |                   |              | 4-Isopropyltoluene            | 0.20044 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | Acetone                     | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                    | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile               | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane              | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane     | 0.20044 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                    | 0.20044 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration    |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|------------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                  |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Ethyl ether                      | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Freon 22                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Freon TF                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 0.400879 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Methylene Chloride               | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Butane                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Butanol                        | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Decane                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Heptane                        | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Hexane                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Nonane                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Octane                         | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Naphthalene                      | 0.20044 ppb v/v  |
|            |          |           |               |                      |                |              | Pentane                          | 0.20044 ppb v/v  |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration       |
|--------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|---------------------|
|                    |          |           |                    |                      | Reagent ID          | Volume Added |                           |                     |
|                    |          |           |                    |                      |                     |              | Propene                   | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | sec-Butylbenzene          | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Styrene                   | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | tert-Butyl alcohol        | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | tert-Butylbenzene         | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Tetrachloroethene         | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Tetrahydrofuran           | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Toluene                   | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene  | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Trichloroethene           | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Undecane                  | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Vinyl acetate             | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Vinyl chloride            | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Xylene, o-                | 0.20044 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | Ethanol                   | 0.400944 ppb<br>v/v |
| .ATTO15CAL6w_00086 | 04/30/14 | 02/01/14  | DI WATER, Lot 5464 | 15.463 L             | ATTO15CALSTKi_00054 | 1546 mL      | 1,1,1-Trichloroethane     | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane     | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,1-Dichloroethane        | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,1-Dichloroethene        | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene    | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,2,3-Trichloropropane    | 19.9961 ppb<br>v/v  |
|                    |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene    | 19.9961 ppb<br>v/v  |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                       | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 19.9961 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                  | 39.9922 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Pentane                          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Propene                          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Styrene                          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Tetrahydrofuran                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Toluene                          | 19.9961 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|-----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                       |          |           |                    |                      | Reagent ID          | Volume Added |                               |                 |
|                       |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene      | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene     | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Trichloroethene               | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Trichlorofluoromethane        | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Undecane                      | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Vinyl acetate                 | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Vinyl chloride                | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Xylene, o-                    | 19.9961 ppb v/v |
|                       |          |           |                    |                      | ATTO15EthCALw_00045 | 1237 mL      | Ethanol                       | 39.9987 ppb v/v |
| ..ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,3-Trichloropropane        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 2-Chlorotoluene               | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 2-Methylbutane                | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 3-Chloropropene               | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 4-Ethyltoluene                | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 4-Isopropyltoluene            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Acetone                       | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Acetonitrile                  | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Acrolein                      | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Acrylonitrile                 | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Alpha Methyl Styrene          | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | Benzene                       | 200 ppb v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butanol                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Decane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Heptane                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Hexane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Nonane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Octane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Naphthalene                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Pentane                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Propene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Styrene                          | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID          | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|---------------------|----------|-----------------------------|---------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                     |          |                             |               |                      | Reagent ID          | Volume Added |                               |               |
|                     |          |                             |               |                      |                     |              | tert-Butyl alcohol            | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | tert-Butylbenzene             | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Tetrachloroethene             | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Tetrahydrofuran               | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Toluene                       | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | trans-1,2-Dichloroethene      | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | trans-1,3-Dichloropropene     | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Trichloroethene               | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Trichlorofluoromethane        | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Undecane                      | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Vinyl acetate                 | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Vinyl chloride                | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
| ...ATTO15CALs_00021 | 01/10/15 | Spectra Gases, Lot cc-90855 |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2,3-Trichlorobenzene        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2,3-Trichloropropene        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2-Dichloropropene           | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 2-Methylbutane                | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Acetone                       | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Acetonitrile                  | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Acrolein                      | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Acrylonitrile                 | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Alpha Methyl Styrene          | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Benzene                       | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Benzyl chloride               | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Bromodichloromethane          | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Bromoethene (Vinyl Bromide)   | 1 ppm v/v     |
|                     |          |                             |               |                      |                     |              | Bromoform                     | 1 ppm v/v     |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methylene Chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butanol                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Decane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Heptane                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Hexane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Nonane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Octane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Naphthalene                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Pentane                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Propene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Styrene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Tetrahydrofuran                  | 1 ppm v/v     |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID             | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration    |
|------------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-------------------------------|------------------|
|                        |          |           |                      |                      | Reagent ID          | Volume Added |                               |                  |
|                        |          |           |                      |                      |                     |              | Toluene                       | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene      | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene     | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Trichloroethene               | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Trichlorofluoromethane        | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Undecane                      | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Vinyl acetate                 | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Vinyl chloride                | 1 ppm v/v        |
|                        |          |           |                      |                      |                     |              | Xylene, o-                    | 1 ppm v/v        |
| ..ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                       | 500 ppb v/v      |
| ...ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                       | 1 mL/mL          |
| ATTO15CAL2w_00119      | 04/30/14 | 02/01/14  | DI WATER, Lot 5437   | 15.463 L             | ATTO15CAL6w_00086   | 387 mL       | 1,1,1-Trichloroethane         | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane         | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1-Dichloroethane            | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1-Dichloroethene            | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene        | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane        | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene        | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene        | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dibromoethane             | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene           | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dichloroethane            | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dichloropropane           | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene        | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,3-Butadiene                 | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene           | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,4-Dichlorobenzene           | 0.500453 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,4-Dioxane                   | 0.500453 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration    |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|------------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                  |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane      | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene             | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane              | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene             | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene              | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene          | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                     | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                    | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile               | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 0.500453 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration    |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|------------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                  |
|            |          |           |               |                      |                |              | Cumene                           | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                      | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane                   | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                         | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                      | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 1.00091 ppb v/v  |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 0.500453 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 0.500453 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration       |
|--------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|---------------------|
|                    |          |           |                    |                      | Reagent ID          | Volume Added |                           |                     |
|                    |          |           |                    |                      |                     |              | n-Hexane                  | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | n-Nonane                  | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | n-Octane                  | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | n-Propylbenzene           | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Naphthalene               | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Pentane                   | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Propene                   | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | sec-Butylbenzene          | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Styrene                   | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | tert-Butyl alcohol        | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | tert-Butylbenzene         | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Tetrachloroethene         | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Tetrahydrofuran           | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Toluene                   | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene  | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Trichloroethene           | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Undecane                  | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Vinyl acetate             | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Vinyl chloride            | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Xylene, o-                | 0.500453 ppb<br>v/v |
|                    |          |           |                    |                      |                     |              | Ethanol                   | 5.01064 ppb<br>v/v  |
|                    |          |           |                    |                      | ATTO15EthCALw_00045 | 124 mL       | Ethanol                   | 5.01064 ppb<br>v/v  |
| .ATTO15CAL6w_00086 | 04/30/14 | 02/01/14  | DI WATER, Lot 5464 | 15.463 L             | ATTO15CALSTKi_00054 | 1546 mL      | 1,1,1-Trichloroethane     | 19.9961 ppb<br>v/v  |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,1,2,2-Tetrachloroethane     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,1,2-Trichloroethane         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,1-Dichloroethane            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,1-Dichloroethene            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,3-Trichlorobenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,3-Trichloropropane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 19.9961 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | Acetonitrile                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate               | 19.9961 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Ethyl ether                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Pentane                          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Propene                          | 19.9961 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|-----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                       |          |           |                    |                      | Reagent ID          | Volume Added |                               |                 |
|                       |          |           |                    |                      |                     |              | sec-Butylbenzene              | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Styrene                       | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | tert-Butyl alcohol            | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | tert-Butylbenzene             | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Tetrachloroethene             | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Tetrahydrofuran               | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Toluene                       | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene      | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene     | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Trichloroethene               | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Trichlorofluoromethane        | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Undecane                      | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Vinyl acetate                 | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Vinyl chloride                | 19.9961 ppb v/v |
|                       |          |           |                    |                      |                     |              | Xylene, o-                    | 19.9961 ppb v/v |
|                       |          |           |                    |                      | ATTO15EthCALw_00045 | 1237 mL      | Ethanol                       | 39.9987 ppb v/v |
| ..ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,3-Trichloropropane        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                     |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |



## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 1,4-Dioxane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Chlorotoluene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Methylbutane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetone                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetonitrile                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrolein                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID          | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent      |                               | Analyte                   | Concentration |
|---------------------|----------|-----------------------------|---------------|----------------------|---------------------|-------------------------------|---------------------------|---------------|
|                     |          |                             |               |                      | Reagent ID          | Volume Added                  |                           |               |
|                     |          |                             |               |                      |                     |                               | n-Butanol                 | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Butylbenzene            | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Decane                  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Heptane                 | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Hexane                  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Nonane                  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Octane                  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | n-Propylbenzene           | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Naphthalene               | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Pentane                   | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Propene                   | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | sec-Butylbenzene          | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Styrene                   | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | tert-Butyl alcohol        | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | tert-Butylbenzene         | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Tetrachloroethene         | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Tetrahydrofuran           | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Toluene                   | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | trans-1,2-Dichloroethene  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | trans-1,3-Dichloropropene | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Trichloroethene           | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Trichlorofluoromethane    | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Undecane                  | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Vinyl acetate             | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Vinyl chloride            | 200 ppb v/v   |
|                     |          |                             |               |                      |                     |                               | Xylene, o-                | 200 ppb v/v   |
| ...ATTO15CALs_00021 | 01/10/15 | Spectra Gases, Lot cc-90855 |               |                      | (Purchased Reagent) | 1,1,1-Trichloroethane         | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,1,2-Trichloroethane         | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,1-Dichloroethane            | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,1-Dichloroethene            | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2,3-Trichlorobenzene        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2,3-Trichloropropane        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2,4-Trichlorobenzene        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2,4-Trimethylbenzene        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2-Dibromoethane             | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2-Dichlorobenzene           | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2-Dichloroethane            | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2-Dichloropropane           | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,3,5-Trimethylbenzene        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,3-Butadiene                 | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,3-Dichlorobenzene           | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,4-Dichlorobenzene           | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 1,4-Dioxane                   | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 2,2,4-Trimethylpentane        | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 2-Chlorotoluene               | 1 ppm v/v                 |               |
|                     |          |                             |               |                      |                     | 2-Methylbutane                | 1 ppm v/v                 |               |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetone                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetonitrile                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrolein                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methylene Chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butanol                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Decane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Heptane                        | 1 ppm v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID             | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration   |
|------------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|---------------------------|-----------------|
|                        |          |           |                      |                      | Reagent ID          | Volume Added |                           |                 |
|                        |          |           |                      |                      |                     |              | n-Hexane                  | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | n-Nonane                  | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | n-Octane                  | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | n-Propylbenzene           | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Naphthalene               | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Pentane                   | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Propene                   | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | sec-Butylbenzene          | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Styrene                   | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | tert-Butyl alcohol        | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | tert-Butylbenzene         | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Tetrachloroethene         | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Tetrahydrofuran           | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Toluene                   | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene  | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Trichloroethene           | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Trichlorofluoromethane    | 1 ppm v/v       |
|                        |          |           |                      |                      |                     |              | Undecane                  | 1 ppm v/v       |
| ..ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                   | 500 ppb v/v     |
| ...ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                   | 1 mL/mL         |
| ..ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                   | 500 ppb v/v     |
| ..ATTO15EthCALs_00007  | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                   | 1 mL/mL         |
| ATTO15CAL3w_00122      | 04/30/14 | 02/01/14  | DI WATER, Lot 3152   | 15.463 L             | ATTO15CALSTKi_00054 | 386 mL       | 1,1,1-Trichloroethane     | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane     | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1-Dichloroethane        | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,1-Dichloroethene        | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene    | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane    | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene    | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene    | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dibromoethane         | 4.99256 ppb v/v |
|                        |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene       | 4.99256 ppb v/v |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                      | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                       | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride               | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                     | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                  | 4.99256 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                     | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                       | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane                    | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                      | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                         | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                      | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 9.98513 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 4.99256 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                   | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|---------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                           |                 |
|            |          |           |               |                      |                |              | Methyl methacrylate       | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride        | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                 | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene            | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                 | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene               | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Pentane                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Propene                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene          | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Styrene                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butyl alcohol        | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butylbenzene         | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Tetrachloroethene         | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Tetrahydrofuran           | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Toluene                   | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | trans-1,2-Dichloroethene  | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | trans-1,3-Dichloropropene | 4.99256 ppb v/v |
|            |          |           |               |                      |                |              | Trichloroethene           | 4.99256 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID          | Volume Added |                               |                 |
|                      |          |           |                    |                      |                     |              | Trichlorofluoromethane        | 4.99256 ppb v/v |
|                      |          |           |                    |                      |                     |              | Undecane                      | 4.99256 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl acetate                 | 4.99256 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl chloride                | 4.99256 ppb v/v |
|                      |          |           |                    |                      |                     |              | Xylene, o-                    | 4.99256 ppb v/v |
|                      |          |           |                    |                      | ATTO15EthCALw_00045 | 309 mL       | Ethanol                       | 9.99159 ppb v/v |
| .ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichloropropane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2-Chlorotoluene               | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2-Methylbutane                | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 3-Chloropropene               | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 4-Ethyltoluene                | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 4-Isopropyltoluene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acetone                       | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acetonitrile                  | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acrolein                      | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acrylonitrile                 | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Alpha Methyl Styrene          | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Benzene                       | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Benzyl chloride               | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Bromodichloromethane          | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Bromoethene (Vinyl Bromide)   | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Bromoform                     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Bromomethane                  | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Carbon disulfide              | 200 ppb v/v     |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butanol                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Decane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Heptane                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Hexane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Nonane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Octane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Naphthalene                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Pentane                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Propene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Styrene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Tetrahydrofuran                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Toluene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | trans-1,2-Dichloroethene         | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used               | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|--------------------|----------|-----------|-----------------------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                    |          |           |                             |                      | Reagent ID          | Volume Added |                               |               |
|                    |          |           |                             |                      |                     |              | trans-1,3-Dichloropropene     | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Trichloroethene               | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Trichlorofluoromethane        | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Undecane                      | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Vinyl acetate                 | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Vinyl chloride                | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 |           | Spectra Gases, Lot cc-90855 |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,3-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,3-Trichloropropane        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2-Methylbutane                | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Acetone                       | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Acetonitrile                  | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Acrolein                      | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Acrylonitrile                 | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Alpha Methyl Styrene          | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Benzene                       | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Benzyl chloride               | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Bromodichloromethane          | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Bromoethene (Vinyl Bromide)   | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Bromoform                     | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Bromomethane                  | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Carbon disulfide              | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Carbon tetrachloride          | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Chlorobenzene                 | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Chloroethane                  | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | Chloroform                    | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methylene Chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butanol                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Decane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Heptane                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Hexane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Nonane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Octane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Naphthalene                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Pentane                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Propene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Styrene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Tetrahydrofuran                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Toluene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | trans-1,2-Dichloroethene         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | trans-1,3-Dichloropropene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Trichloroethene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Trichlorofluoromethane           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Undecane                         | 1 ppm v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID               | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|--------------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                          |          |           |                      |                      | Reagent ID          | Volume Added |                               |                 |
|                          |          |           |                      |                      |                     |              | Vinyl acetate                 | 1 ppm v/v       |
|                          |          |           |                      |                      |                     |              | Vinyl chloride                | 1 ppm v/v       |
|                          |          |           |                      |                      |                     |              | Xylene, o-                    | 1 ppm v/v       |
| .ATTO15EthCALw_00045     | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                       | 500 ppb v/v     |
| ..ATTO15EthCALs_00007    | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                       | 1 mL/mL         |
| <b>ATTO15CAL4w_00334</b> | 04/30/14 | 02/01/14  | DI WATER, Lot 2603   | 15.463 L             | ATTO15CALSTKi_00054 | 773 mL       | 1,1,1-Trichloroethane         | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane         | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,1-Dichloroethane            | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,1-Dichloroethene            | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2-Dibromoethane             | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene           | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2-Dichloroethane            | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2-Dichloropropane           | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,3-Butadiene                 | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene           | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,4-Dichlorobenzene           | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 1,4-Dioxane                   | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 2,2,4-Trimethylpentane        | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 2-Chlorotoluene               | 9.99806 ppb v/v |
|                          |          |           |                      |                      |                     |              | 2-Methylbutane                | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | 3-Chloropropene             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                    | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 9.99806 ppb v/v |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Dibromomethane                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                         | 9.99806 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID          | Volume Added |                           |                 |
|                      |          |           |                    |                      |                     |              | n-Propylbenzene           | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Naphthalene               | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Pentane                   | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Propene                   | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | sec-Butylbenzene          | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Styrene                   | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | tert-Butyl alcohol        | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | tert-Butylbenzene         | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrachloroethene         | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrahydrofuran           | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Toluene                   | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene  | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichloroethene           | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Undecane                  | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl acetate             | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl chloride            | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                     |              | Xylene, o-                | 9.99806 ppb v/v |
|                      |          |           |                    |                      | ATTO15EthCALw_00045 | 464 mL       | Ethanol                   | 15.0036 ppb v/v |
| .ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene    | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichloropropene    | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene    | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene    | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dibromoethane         | 200 ppb v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |               |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetone                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetonitrile                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrolein                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                    | 400 ppb v/v   |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used               | Reagent Final Volume | Parent Reagent |                     | Analyte                          | Concentration |
|--------------------|----------|-----------|-----------------------------|----------------------|----------------|---------------------|----------------------------------|---------------|
|                    |          |           |                             |                      | Reagent ID     | Volume Added        |                                  |               |
|                    |          |           |                             |                      |                |                     | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Methyl Ethyl Ketone              | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | methyl isobutyl ketone           | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Methyl methacrylate              | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Methyl tert-butyl ether          | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Methylene Chloride               | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Butane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Butanol                        | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Butylbenzene                   | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Decane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Heptane                        | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Hexane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Nonane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Octane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | n-Propylbenzene                  | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Naphthalene                      | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Pentane                          | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Propene                          | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | sec-Butylbenzene                 | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Styrene                          | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | tert-Butyl alcohol               | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | tert-Butylbenzene                | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Tetrachloroethene                | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Tetrahydrofuran                  | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Toluene                          | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | trans-1,2-Dichloroethene         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | trans-1,3-Dichloropropene        | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Trichloroethene                  | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Trichlorofluoromethane           | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Undecane                         | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Vinyl acetate                    | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Vinyl chloride                   | 200 ppb v/v   |
|                    |          |           |                             |                      |                |                     | Xylene, o-                       | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 |           | Spectra Gases, Lot cc-90855 |                      |                | (Purchased Reagent) | 1,1,1-Trichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,1,2,2-Tetrachloroethane        | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,1,2-Trichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,1-Dichloroethane               | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,1-Dichloroethene               | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2,3-Trichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2,3-Trichloropropane           | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2,4-Trichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2,4-Trimethylbenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2-Dibromoethane                | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2-Dichlorobenzene              | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2-Dichloroethane               | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2-Dichloropropane              | 1 ppm v/v     |
|                    |          |           |                             |                      |                |                     | 1,2-Dichlorotetrafluoroethane    | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Butadiene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dioxane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2-Chlorotoluene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2-Methylbutane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetone                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetonitrile                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrolein                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration   |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|---------------------------|-----------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                           |                 |
|                       |          |           |                      |                      |                     |              | Methyl methacrylate       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methyl tert-butyl ether   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methylene Chloride        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butanol                 | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butylbenzene            | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Decane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Heptane                 | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Hexane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Nonane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Octane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Propylbenzene           | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Naphthalene               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Pentane                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Propene                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | sec-Butylbenzene          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Styrene                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butyl alcohol        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butylbenzene         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrachloroethene         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrahydrofuran           | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Toluene                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichloroethene           | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichlorofluoromethane    | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Undecane                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl acetate             | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl chloride            | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Xylene, o-                | 1 ppm v/v       |
| .ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                   | 500 ppb v/v     |
| ..ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                   | 1 mL/mL         |
| ATTO15CAL4w_00345     | 05/01/14 | 03/13/14  | Zero Air, Lot 4451   | 15.463 L             | ATTO15CALSTKi_00055 | 773 mL       | 1,1,1-Trichloroethane     | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane     | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethane        | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethene        | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene    | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene    | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dibromoethane         | 9.99806 ppb v/v |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethene, Total     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                       | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene                 | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Chloroethane                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                       | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane                    | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 9.99806 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent   |              | Analyte                       | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|------------------|--------------|-------------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID       | Volume Added |                               |                 |
|                      |          |           |                    |                      |                  |              | n-Propylbenzene               | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Naphthalene                   | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | sec-Butylbenzene              | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Styrene                       | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | tert-Butyl alcohol            | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | tert-Butylbenzene             | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Tetrachloroethene             | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Tetrahydrofuran               | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Toluene                       | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | trans-1,2-Dichloroethene      | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | trans-1,3-Dichloropropene     | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Trichloroethene               | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Trichlorofluoromethane        | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Vinyl chloride                | 9.99806 ppb v/v |
|                      |          |           |                    |                      |                  |              | Xylene (total)                | 29.9942 ppb v/v |
|                      |          |           |                    |                      |                  |              | Xylene, o-                    | 9.99806 ppb v/v |
| .ATTO15CALSTKi_00055 | 06/12/14 | 03/12/14  | DI WATER, Lot 7951 | 37.5 L               | ATTO15CALs_00021 | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dichloroethene, Total     | 400 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                  |              | 1,4-Dioxane                   | 200 ppb v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Chlorotoluene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetone                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Heptane                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Hexane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Naphthalene                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Styrene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 200 ppb v/v   |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|--------------------|----------|-----------------------------|---------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                    |          |                             |               |                      | Reagent ID          | Volume Added |                               |               |
|                    |          |                             |               |                      |                     |              | Tetrahydrofuran               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Toluene                       | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,2-Dichloroethene      | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,3-Dichloropropene     | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichloroethene               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichlorofluoromethane        | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Vinyl chloride                | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Xylene (total)                | 600 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 | Spectra Gases, Lot cc-90855 |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichloroethene, Total     | 2 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Acetone                       | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Benzene                       | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Benzyl chloride               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Bromodichloromethane          | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Bromoethene (Vinyl Bromide)   | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Bromoform                     | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Bromomethane                  | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Carbon disulfide              | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Carbon tetrachloride          | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Chlorobenzene                 | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Chloroethane                  | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Chloroform                    | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Chloromethane                 | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | cis-1,2-Dichloroethene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | cis-1,3-Dichloropropene       | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Cumene                        | 1 ppm v/v     |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID        | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                          | Concentration   |
|-------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|----------------------------------|-----------------|
|                   |          |           |                    |                      | Reagent ID          | Volume Added |                                  |                 |
|                   |          |           |                    |                      |                     |              | Cyclohexane                      | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Dibromochloromethane             | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Dichlorodifluoromethane          | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Ethylbenzene                     | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Freon 22                         | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Freon TF                         | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Hexachlorobutadiene              | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Isopropyl alcohol                | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | m,p-Xylene                       | 2 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Methyl Ethyl Ketone              | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | methyl isobutyl ketone           | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Methyl methacrylate              | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Methyl tert-butyl ether          | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Methylene Chloride               | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | n-Butane                         | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | n-Butylbenzene                   | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | n-Heptane                        | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | n-Hexane                         | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | n-Propylbenzene                  | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Naphthalene                      | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | sec-Butylbenzene                 | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Styrene                          | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | tert-Butyl alcohol               | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | tert-Butylbenzene                | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Tetrachloroethene                | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Tetrahydrofuran                  | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Toluene                          | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene         | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene        | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Trichloroethene                  | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Trichlorofluoromethane           | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Vinyl chloride                   | 1 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Xylene (total)                   | 3 ppm v/v       |
|                   |          |           |                    |                      |                     |              | Xylene, o-                       | 1 ppm v/v       |
| ATTO15CAL5w_00044 | 04/30/14 | 02/01/14  | DI WATER, Lot 2899 | 15.463 L             | ATTO15CALSTKi_00054 | 1160 mL      | 1,1,1-Trichloroethane            | 15.0036 ppb v/v |
|                   |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane        | 15.0036 ppb v/v |
|                   |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane            | 15.0036 ppb v/v |
|                   |          |           |                    |                      |                     |              | 1,1-Dichloroethane               | 15.0036 ppb v/v |
|                   |          |           |                    |                      |                     |              | 1,1-Dichloroethene               | 15.0036 ppb v/v |
|                   |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene           | 15.0036 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,2,3-Trichloropropane        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                  | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                      | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                       | 15.0036 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | Benzyl chloride             | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane              | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane     | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                    | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                 | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                    | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                    | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene         | 15.0036 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 30.0071 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                         | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                         | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene                      | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Pentane                          | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Propene                          | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Styrene                          | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 15.0036 ppb v/v |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 15.0036 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID          | Volume Added |                               |                 |
|                      |          |           |                    |                      |                     |              | Tetrahydrofuran               | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Toluene                       | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene      | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene     | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichloroethene               | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichlorofluoromethane        | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Undecane                      | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl acetate                 | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl chloride                | 15.0036 ppb v/v |
|                      |          |           |                    |                      |                     |              | Xylene, o-                    | 15.0036 ppb v/v |
|                      |          |           |                    |                      | ATTO15EthCALw_00045 | 620 mL       | Ethanol                       | 20.0479 ppb v/v |
| .ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichloropropene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloropropene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2-Chlorotoluene               | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2-Methylbutane                | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 3-Chloropropene               | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 4-Ethyltoluene                | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 4-Isopropyltoluene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acetone                       | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | Acetonitrile                  | 200 ppb v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Acrolein                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butanol                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Decane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Heptane                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Hexane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Nonane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Octane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Naphthalene                      | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|--------------------|----------|-----------------------------|---------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                    |          |                             |               |                      | Reagent ID          | Volume Added |                               |               |
|                    |          |                             |               |                      |                     |              | Pentane                       | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Propene                       | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | sec-Butylbenzene              | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Styrene                       | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | tert-Butyl alcohol            | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | tert-Butylbenzene             | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Tetrachloroethene             | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Tetrahydrofuran               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Toluene                       | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,2-Dichloroethene      | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,3-Dichloropropene     | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichloroethene               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichlorofluoromethane        | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Undecane                      | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Vinyl acetate                 | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Vinyl chloride                | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 | Spectra Gases, Lot cc-90855 |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,3-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,3-Trichloropropane        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 2-Methylbutane                | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Acetone                       | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Acetonitrile                  | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Acrolein                      | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Acrylonitrile                 | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Alpha Methyl Styrene          | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | Benzene                       | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methylene Chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butanol                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Decane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Heptane                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Hexane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Nonane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Octane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Naphthalene                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Pentane                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Propene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Styrene                          | 1 ppm v/v     |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                               |                 |
|                       |          |           |                      |                      |                     |              | tert-Butyl alcohol            | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butylbenzene             | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrachloroethene             | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrahydrofuran               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Toluene                       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene      | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene     | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichloroethene               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichlorofluoromethane        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Undecane                      | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl acetate                 | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl chloride                | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Xylene, o-                    | 1 ppm v/v       |
| .ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                       | 500 ppb v/v     |
| ..ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                       | 1 mL/mL         |
| ATTO15CAL6w_00087     | 04/30/14 | 02/01/14  | DI WATER, Lot 5428   | 15.463 L             | ATTO15CALSTKi_00054 | 1546 mL      | 1,1,1-Trichloroethane         | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane         | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethane            | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethene            | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene        | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane        | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene        | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene        | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dibromoethane             | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene           | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloroethane            | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloropropane           | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene        | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,3-Butadiene                 | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene           | 19.9961 ppb v/v |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                 | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Acrylonitrile               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 19.9961 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane                   | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                      | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 19.9961 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID          | Volume Added |                           |                 |
|                      |          |           |                    |                      |                     |              | n-Decane                  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | n-Heptane                 | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | n-Hexane                  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | n-Nonane                  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | n-Octane                  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | n-Propylbenzene           | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Naphthalene               | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Pentane                   | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Propene                   | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | sec-Butylbenzene          | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Styrene                   | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | tert-Butyl alcohol        | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | tert-Butylbenzene         | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrachloroethene         | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrahydrofuran           | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Toluene                   | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichloroethene           | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Undecane                  | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl acetate             | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl chloride            | 19.9961 ppb v/v |
|                      |          |           |                    |                      |                     |              | Xylene, o-                | 19.9961 ppb v/v |
|                      |          |           |                    |                      | ATTO15EthCALw_00045 | 1237 mL      | Ethanol                   | 39.9987 ppb v/v |
| .ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane     | 200 ppb v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |               |
|            |          |           |               |                      |                |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,1,2-Trichloroethane         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,1-Dichloroethane            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,1-Dichloroethene            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2,3-Trichloropropane        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetone                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetonitrile                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrolein                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane       | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date                   | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                          | Concentration |
|--------------------|----------|-----------------------------|---------------|----------------------|---------------------|--------------|----------------------------------|---------------|
|                    |          |                             |               |                      | Reagent ID          | Volume Added |                                  |               |
|                    |          |                             |               |                      |                     |              | Dodecane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Ethyl acetate                    | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Ethyl ether                      | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Ethylbenzene                     | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Freon 22                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Freon TF                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Hexachlorobutadiene              | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Isopropyl alcohol                | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | m,p-Xylene                       | 400 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | methyl isobutyl ketone           | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Methyl methacrylate              | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Methylene Chloride               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Butane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Butanol                        | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Butylbenzene                   | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Decane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Heptane                        | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Hexane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Nonane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Octane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | n-Propylbenzene                  | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Naphthalene                      | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Pentane                          | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Propene                          | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | sec-Butylbenzene                 | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Styrene                          | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | tert-Butyl alcohol               | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | tert-Butylbenzene                | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Tetrachloroethene                | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Tetrahydrofuran                  | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Toluene                          | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,2-Dichloroethene         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | trans-1,3-Dichloropropene        | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichloroethene                  | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Trichlorofluoromethane           | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Undecane                         | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Vinyl acetate                    | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Vinyl chloride                   | 200 ppb v/v   |
|                    |          |                             |               |                      |                     |              | Xylene, o-                       | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 | Spectra Gases, Lot cc-90855 |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2,2-Tetrachloroethane        | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1,2-Trichloroethane            | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethane               | 1 ppm v/v     |
|                    |          |                             |               |                      |                     |              | 1,1-Dichloroethene               | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |               |
|            |          |           |               |                      |                |              | 1,2,3-Trichlorobenzene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2,3-Trichloropropane        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetone                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetonitrile                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrolein                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrylonitrile                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzene                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzyl chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                  | 1 ppm v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                          | Concentration   |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|----------------------------------|-----------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                                  |                 |
|                       |          |           |                      |                      |                     |              | Freon 22                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Freon TF                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Hexachlorobutadiene              | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Isopropyl alcohol                | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | m,p-Xylene                       | 2 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methyl Ethyl Ketone              | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | methyl isobutyl ketone           | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methyl methacrylate              | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methyl tert-butyl ether          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Methylene Chloride               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butanol                        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Butylbenzene                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Decane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Heptane                        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Hexane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Nonane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Octane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | n-Propylbenzene                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Naphthalene                      | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Pentane                          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Propene                          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | sec-Butylbenzene                 | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Styrene                          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butyl alcohol               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butylbenzene                | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrachloroethene                | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrahydrofuran                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Toluene                          | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichloroethene                  | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichlorofluoromethane           | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Undecane                         | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl acetate                    | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl chloride                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Xylene, o-                       | 1 ppm v/v       |
| .ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                          | 500 ppb v/v     |
| ..ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                          | 1 mL/mL         |
| ATTO15CAL7w_00045     | 04/30/14 | 02/01/14  | DI WATER, Lot 3611   | 15.463 L             | ATTO15CALSTKi_00054 | 3092 mL      | 1,1,1-Trichloroethane            | 39.9922 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane        | 39.9922 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane            | 39.9922 ppb v/v |



## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,1-Dichloroethane            | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,1-Dichloroethene            | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,3-Trichlorobenzene        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,3-Trichloropropane        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane             | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene           | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane            | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane           | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 2-Methylbutane                | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Acetonitrile                  | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Acrolein                      | 39.9922 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | Acrylonitrile               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Cyclohexane                 | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Dibromomethane              | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane     | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Dodecane                    | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl acetate               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Ethyl ether                 | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                | 39.9922 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Freon 22                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 79.9845 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Butanol                        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Decane                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Nonane                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Octane                         | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene                      | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Pentane                          | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Propene                          | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 39.9922 ppb v/v |
|            |          |           |               |                      |                |              | Styrene                          | 39.9922 ppb v/v |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID           | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|----------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                      |          |           |                    |                      | Reagent ID          | Volume Added |                               |                 |
|                      |          |           |                    |                      |                     |              | tert-Butyl alcohol            | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | tert-Butylbenzene             | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrachloroethene             | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Tetrahydrofuran               | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Toluene                       | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene      | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene     | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichloroethene               | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Trichlorofluoromethane        | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Undecane                      | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl acetate                 | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Vinyl chloride                | 39.9922 ppb v/v |
|                      |          |           |                    |                      |                     |              | Xylene, o-                    | 39.9922 ppb v/v |
|                      |          |           |                    |                      | ATTO15EthCALw_00045 | 3092 mL      | Ethanol                       | 99.9806 ppb v/v |
| .ATTO15CALSTKi_00054 | 04/30/14 | 01/30/14  | DI WATER, Lot 7952 | 37.5 L               | ATTO15CALs_00021    | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,3-Trichloropropane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                      |          |           |                    |                      |                     |              | 2-Chlorotoluene               | 200 ppb v/v     |

# REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 2-Methylbutane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetone                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acetonitrile                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrolein                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromomethane                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dodecane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethyl ether                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butanol                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Decane                         | 200 ppb v/v   |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington

Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used               | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|--------------------|----------|-----------|-----------------------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                    |          |           |                             |                      | Reagent ID          | Volume Added |                               |               |
|                    |          |           |                             |                      |                     |              | n-Heptane                     | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | n-Hexane                      | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | n-Nonane                      | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | n-Octane                      | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | n-Propylbenzene               | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Naphthalene                   | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Pentane                       | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Propene                       | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | sec-Butylbenzene              | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Styrene                       | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | tert-Butyl alcohol            | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | tert-Butylbenzene             | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Tetrachloroethene             | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Tetrahydrofuran               | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Toluene                       | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | trans-1,2-Dichloroethene      | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | trans-1,3-Dichloropropene     | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Trichloroethene               | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Trichlorofluoromethane        | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Undecane                      | 200 ppb v/v   |
| ..ATTO15CALs_00021 | 01/10/15 |           | Spectra Gases, Lot cc-90855 |                      | (Purchased Reagent) |              | Vinyl acetate                 | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Vinyl chloride                | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
|                    |          |           |                             |                      |                     |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,3-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,3-Trichloropropane        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 2-Methylbutane                | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                    |          |           |                             |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Acetone                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetonitrile                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrolein                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acrylonitrile                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Alpha Methyl Styrene             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromomethane                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dodecane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl acetate                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethyl ether                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Methylene Chloride               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butanol                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Decane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Heptane                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Hexane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Nonane                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | n-Octane                         | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration   |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-------------------------------|-----------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                               |                 |
|                       |          |           |                      |                      |                     |              | n-Propylbenzene               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Naphthalene                   | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Pentane                       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Propene                       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | sec-Butylbenzene              | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Styrene                       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butyl alcohol            | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | tert-Butylbenzene             | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrachloroethene             | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Tetrahydrofuran               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Toluene                       | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene      | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene     | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichloroethene               | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Trichlorofluoromethane        | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Undecane                      | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl acetate                 | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Vinyl chloride                | 1 ppm v/v       |
|                       |          |           |                      |                      |                     |              | Xylene, o-                    | 1 ppm v/v       |
| .ATTO15EthCALw_00045  | 05/01/14 | 01/31/14  | Zero Air, Lot 4984   | 37.5 ppb             | ATTO15EthCALs_00007 | 18.75 uL     | Ethanol                       | 500 ppb v/v     |
| ..ATTO15EthCALs_00007 | 09/11/17 |           | SIGMA, Lot SHBB5682V |                      | (Purchased Reagent) |              | Ethanol                       | 1 mL/mL         |
| ATTO15LCSW_00355      | 04/30/14 | 02/03/14  | DI WATER, Lot 5466   | 15.463 L             | ATTO15LCSSTKi_00049 | 773 mL       | 1,1,1-Trichloroethane         | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane         | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethane            | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethene            | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene        | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene        | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dibromoethane             | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene           | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloroethane            | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloroethene, Total     | 19.9961 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloropropane           | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 9.99806 ppb v/v |
|                       |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene        | 9.99806 ppb v/v |



REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                     | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-----------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                             |                 |
|            |          |           |               |                      |                |              | 1,3-Butadiene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide) | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide            | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Cumene                      | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |                 |
|            |          |           |               |                      |                |              | Cyclohexane                      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon 22                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Freon TF                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 19.9961 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Methylene Chloride               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Heptane                        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Hexane                         | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Naphthalene                      | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Styrene                          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID          | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent   |              | Analyte                       | Concentration   |
|---------------------|----------|-----------|--------------------|----------------------|------------------|--------------|-------------------------------|-----------------|
|                     |          |           |                    |                      | Reagent ID       | Volume Added |                               |                 |
|                     |          |           |                    |                      |                  |              | Tetrachloroethene             | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Tetrahydrofuran               | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Toluene                       | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | trans-1,2-Dichloroethene      | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | trans-1,3-Dichloropropene     | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Trichloroethene               | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Trichlorofluoromethane        | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Vinyl chloride                | 9.99806 ppb v/v |
|                     |          |           |                    |                      |                  |              | Xylene (total)                | 29.9942 ppb v/v |
|                     |          |           |                    |                      |                  |              | Xylene, o-                    | 9.99806 ppb v/v |
| .ATTO15LCSSKi_00049 | 04/30/14 | 01/30/14  | DI WATER, Lot 4985 | 37.5 L               | ATTO15LCSS_00017 | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dichloroethene, Total     | 400 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 2-Chlorotoluene               | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 3-Chloropropene               | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 4-Ethyltoluene                | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | 4-Isopropyltoluene            | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Acetone                       | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Benzene                       | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Benzyl chloride               | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Bromodichloromethane          | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Bromoethene (Vinyl Bromide)   | 200 ppb v/v     |
|                     |          |           |                    |                      |                  |              | Bromoform                     | 200 ppb v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date | Dilutant Used                | Reagent Final Volume | Parent Reagent      |              | Analyte                          | Concentration |
|--------------------|----------|-----------|------------------------------|----------------------|---------------------|--------------|----------------------------------|---------------|
|                    |          |           |                              |                      | Reagent ID          | Volume Added |                                  |               |
|                    |          |           |                              |                      |                     |              | Bromomethane                     | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Carbon disulfide                 | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Carbon tetrachloride             | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Chlorobenzene                    | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Chloroethane                     | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Chloroform                       | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Chloromethane                    | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Cumene                           | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Cyclohexane                      | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Dibromochloromethane             | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Ethylbenzene                     | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Freon 22                         | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Freon TF                         | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Hexachlorobutadiene              | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Isopropyl alcohol                | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | m,p-Xylene                       | 400 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | methyl isobutyl ketone           | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Methyl methacrylate              | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Methylene Chloride               | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | n-Butane                         | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | n-Butylbenzene                   | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | n-Heptane                        | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | n-Hexane                         | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | n-Propylbenzene                  | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Naphthalene                      | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | sec-Butylbenzene                 | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Styrene                          | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | tert-Butyl alcohol               | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | tert-Butylbenzene                | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Tetrachloroethene                | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Tetrahydrofuran                  | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Toluene                          | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | trans-1,2-Dichloroethene         | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | trans-1,3-Dichloropropene        | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Trichloroethene                  | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Trichlorofluoromethane           | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Vinyl chloride                   | 200 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Xylene (total)                   | 600 ppb v/v   |
|                    |          |           |                              |                      |                     |              | Xylene, o-                       | 200 ppb v/v   |
| ..ATTO15LCSs_00017 | 01/10/15 |           | Spectra Gases, Lot CC-250179 |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane            | 1 ppm v/v     |
|                    |          |           |                              |                      |                     |              | 1,1,2,2-Tetrachloroethane        | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | 1,1,2-Trichloroethane            | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,1-Dichloroethane               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,1-Dichloroethene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2,4-Trichlorobenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2,4-Trimethylbenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dibromoethane                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichlorobenzene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichloroethane               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichloroethene, Total        | 2 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichloropropane              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Butadiene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 1,4-Dioxane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 2-Chlorotoluene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 3-Chloropropene                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                   | 1 ppm v/v     |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene               | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Acetone                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzene                          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromoform                        | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Bromomethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroethane                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloroform                       | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Chloromethane                    | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cumene                           | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Cyclohexane                      | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon 22                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Freon TF                         | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 1 ppm v/v     |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 1 ppm v/v     |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 2 ppm v/v     |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent      |              | Analyte                   | Concentration   |
|------------------|----------|-----------|--------------------|----------------------|---------------------|--------------|---------------------------|-----------------|
|                  |          |           |                    |                      | Reagent ID          | Volume Added |                           |                 |
|                  |          |           |                    |                      |                     |              | Methyl Ethyl Ketone       | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | methyl isobutyl ketone    | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Methyl methacrylate       | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Methyl tert-butyl ether   | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Methylene Chloride        | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | n-Butane                  | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | n-Butylbenzene            | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | n-Heptane                 | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | n-Hexane                  | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | n-Propylbenzene           | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Naphthalene               | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | sec-Butylbenzene          | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Styrene                   | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | tert-Butyl alcohol        | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | tert-Butylbenzene         | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Tetrachloroethene         | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Tetrahydrofuran           | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Toluene                   | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | trans-1,2-Dichloroethene  | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | trans-1,3-Dichloropropene | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Trichloroethene           | 1 ppm v/v       |
|                  |          |           |                    |                      |                     |              | Trichlorofluoromethane    | 1 ppm v/v       |
| ATTO15LCSW_00363 | 04/30/14 | 02/13/14  | Zero Air, Lot 2782 | 15.463 L             | ATTO15LCSSTKi_00050 | 773 mL       | 1,1,1-Trichloroethane     | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,1,2,2-Tetrachloroethane | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,1,2-Trichloroethane     | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,1-Dichloroethane        | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,1-Dichloroethene        | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2,4-Trichlorobenzene    | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2,4-Trimethylbenzene    | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2-Dibromoethane         | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2-Dichlorobenzene       | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2-Dichloroethane        | 9.99806 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2-Dichloroethene, Total | 19.9961 ppb v/v |
|                  |          |           |                    |                      |                     |              | 1,2-Dichloropropane       | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                       | Concentration   |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------|-----------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                               |                 |
|            |          |           |               |                      |                |              | 1,2-Dichlorotetrafluoroethane | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3,5-Trimethylbenzene        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Butadiene                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,3-Dichlorobenzene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dichlorobenzene           | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 1,4-Dioxane                   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2,2,4-Trimethylpentane        | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 2-Chlorotoluene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 3-Chloropropene               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Ethyltoluene                | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | 4-Isopropyltoluene            | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Acetone                       | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzene                       | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Benzyl chloride               | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromodichloromethane          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)   | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromoform                     | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Bromomethane                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon disulfide              | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Carbon tetrachloride          | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chlorobenzene                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroethane                  | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloroform                    | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | Chloromethane                 | 9.99806 ppb v/v |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene        | 9.99806 ppb v/v |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                             | Concentration      |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------------|--------------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                     |                    |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene             | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Cumene                              | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Cyclohexane                         | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Dibromochloromethane                | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane             | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Ethylbenzene                        | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Freon 22                            | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Freon TF                            | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Hexachlorobutadiene                 | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Isopropyl alcohol                   | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | m,p-Xylene                          | 19.9961 ppb<br>v/v |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone<br>(2-Hexanone) | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone                 | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | methyl isobutyl ketone              | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Methyl methacrylate                 | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether             | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Methylene Chloride                  | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | n-Butane                            | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | n-Butylbenzene                      | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | n-Heptane                           | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | n-Hexane                            | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | n-Propylbenzene                     | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Naphthalene                         | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | sec-Butylbenzene                    | 9.99806 ppb<br>v/v |
|            |          |           |               |                      |                |              | Styrene                             | 9.99806 ppb<br>v/v |



## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used      | Reagent Final Volume | Parent Reagent   |              | Analyte                       | Concentration   |
|-----------------------|----------|-----------|--------------------|----------------------|------------------|--------------|-------------------------------|-----------------|
|                       |          |           |                    |                      | Reagent ID       | Volume Added |                               |                 |
|                       |          |           |                    |                      |                  |              | tert-Butyl alcohol            | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | tert-Butylbenzene             | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Tetrachloroethene             | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Tetrahydrofuran               | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Toluene                       | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | trans-1,2-Dichloroethene      | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | trans-1,3-Dichloropropene     | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Trichloroethene               | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Trichlorofluoromethane        | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Vinyl chloride                | 9.99806 ppb v/v |
|                       |          |           |                    |                      |                  |              | Xylene (total)                | 29.9942 ppb v/v |
|                       |          |           |                    |                      |                  |              | Xylene, o-                    | 9.99806 ppb v/v |
| .ATTO15LCSSSTKi_00050 | 04/30/14 | 01/30/14  | DI WATER, Lot 1014 | 37.5 L               | ATTO15LCSS_00017 | 7500 mL      | 1,1,1-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,1,2,2-Tetrachloroethane     | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,1,2-Trichloroethane         | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,1-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,1-Dichloroethene            | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2,4-Trichlorobenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2,4-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dibromoethane             | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dichloroethane            | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dichloroethene, Total     | 400 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dichloropropane           | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,2-Dichlorotetrafluoroethane | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,3,5-Trimethylbenzene        | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,3-Butadiene                 | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,3-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,4-Dichlorobenzene           | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 1,4-Dioxane                   | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 2,2,4-Trimethylpentane        | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 2-Chlorotoluene               | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 3-Chloropropene               | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 4-Ethyltoluene                | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | 4-Isopropyltoluene            | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | Acetone                       | 200 ppb v/v     |
|                       |          |           |                    |                      |                  |              | Benzene                       | 200 ppb v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                          | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|----------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                  |               |
|            |          |           |               |                      |                |              | Benzyl chloride                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromodichloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoethene (Vinyl Bromide)      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromoform                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Bromomethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon disulfide                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Carbon tetrachloride             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chlorobenzene                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroethane                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloroform                       | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Chloromethane                    | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cumene                           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Cyclohexane                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dibromochloromethane             | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Dichlorodifluoromethane          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Ethylbenzene                     | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon 22                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Freon TF                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Hexachlorobutadiene              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Isopropyl alcohol                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | m,p-Xylene                       | 400 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Butyl Ketone (2-Hexanone) | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl Ethyl Ketone              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | methyl isobutyl ketone           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl methacrylate              | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methyl tert-butyl ether          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Methylene Chloride               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Butylbenzene                   | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Heptane                        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Hexane                         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | n-Propylbenzene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Naphthalene                      | 200 ppb v/v   |
|            |          |           |               |                      |                |              | sec-Butylbenzene                 | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Styrene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butyl alcohol               | 200 ppb v/v   |
|            |          |           |               |                      |                |              | tert-Butylbenzene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Tetrachloroethene                | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Tetrahydrofuran                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Toluene                          | 200 ppb v/v   |
|            |          |           |               |                      |                |              | trans-1,2-Dichloroethene         | 200 ppb v/v   |
|            |          |           |               |                      |                |              | trans-1,3-Dichloropropene        | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Trichloroethene                  | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Trichlorofluoromethane           | 200 ppb v/v   |
|            |          |           |               |                      |                |              | Vinyl chloride                   | 200 ppb v/v   |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID         | Exp Date | Prep Date                    | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                       | Concentration |
|--------------------|----------|------------------------------|---------------|----------------------|---------------------|--------------|-------------------------------|---------------|
|                    |          |                              |               |                      | Reagent ID          | Volume Added |                               |               |
|                    |          |                              |               |                      |                     |              | Xylene (total)                | 600 ppb v/v   |
|                    |          |                              |               |                      |                     |              | Xylene, o-                    | 200 ppb v/v   |
| ..ATTO15LCSs_00017 | 01/10/15 | Spectra Gases, Lot CC-250179 |               |                      | (Purchased Reagent) |              | 1,1,1-Trichloroethane         | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,1,2,2-Tetrachloroethane     | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,1,2-Trichloroethane         | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,1-Dichloroethane            | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,1-Dichloroethene            | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2,4-Trichlorobenzene        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2,4-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dibromoethane             | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dichloroethane            | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dichloroethene, Total     | 2 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dichloropropane           | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,2-Dichlorotetrafluoroethane | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,3,5-Trimethylbenzene        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,3-Butadiene                 | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,3-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,4-Dichlorobenzene           | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 1,4-Dioxane                   | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 2,2,4-Trimethylpentane        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 2-Chlorotoluene               | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 3-Chloropropene               | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 4-Ethyltoluene                | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | 4-Isopropyltoluene            | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Acetone                       | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Benzene                       | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Benzyl chloride               | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Bromodichloromethane          | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Bromoethene (Vinyl Bromide)   | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Bromoform                     | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Bromomethane                  | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Carbon disulfide              | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Carbon tetrachloride          | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Chlorobenzene                 | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Chloroethane                  | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Chloroform                    | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Chloromethane                 | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | cis-1,2-Dichloroethene        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | cis-1,3-Dichloropropene       | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Cumene                        | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Cyclohexane                   | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Dibromochloromethane          | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Dichlorodifluoromethane       | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Ethylbenzene                  | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Freon 22                      | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Freon TF                      | 1 ppm v/v     |
|                    |          |                              |               |                      |                     |              | Hexachlorobutadiene           | 1 ppm v/v     |

## REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

| Reagent ID       | Exp Date | Prep Date                    | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                          | Concentration |
|------------------|----------|------------------------------|---------------|----------------------|---------------------|--------------|----------------------------------|---------------|
|                  |          |                              |               |                      | Reagent ID          | Volume Added |                                  |               |
|                  |          |                              |               |                      |                     |              | Isopropyl alcohol                | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | m,p-Xylene                       | 2 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Methyl Butyl Ketone (2-Hexanone) | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Methyl Ethyl Ketone              | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | methyl isobutyl ketone           | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Methyl methacrylate              | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Methyl tert-butyl ether          | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Methylene Chloride               | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | n-Butane                         | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | n-Butylbenzene                   | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | n-Heptane                        | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | n-Hexane                         | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | n-Propylbenzene                  | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Naphthalene                      | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | sec-Butylbenzene                 | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Styrene                          | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | tert-Butyl alcohol               | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | tert-Butylbenzene                | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Tetrachloroethene                | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Tetrahydrofuran                  | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Toluene                          | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | trans-1,2-Dichloroethene         | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | trans-1,3-Dichloropropene        | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Trichloroethene                  | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Trichlorofluoromethane           | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Vinyl chloride                   | 1 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Xylene (total)                   | 3 ppm v/v     |
|                  |          |                              |               |                      |                     |              | Xylene, o-                       | 1 ppm v/v     |
| ATTO15WISs_00003 | 11/23/15 | Spectra Gases, Lot CC-172855 |               |                      | (Purchased Reagent) |              | 1,4-Difluorobenzene              | 100 ppb v/v   |
|                  |          |                              |               |                      |                     |              | Chlorobenzene-d5                 | 100 ppb v/v   |
|                  |          |                              |               |                      |                     |              | Chlorobromomethane               | 100 ppb v/v   |

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.  
30 Community Drive Suite 11  
South Burlington, VT 05403

*Tank from* PAGE: 1 of 4  
*W. S. C.*



627134

ID: ATTO15CALs\_00021

Exp:01/10/15 Prpd:PAD Opm:01/10/14  
TO15 Calibration Source T

## CERTIFICATE OF ANALYSIS

|                            |                |                             |                 |
|----------------------------|----------------|-----------------------------|-----------------|
| <b>Sales#:</b>             | 111092258      | <b>Cylinder Size:</b>       | 2A (8" X 47.5") |
| <b>Production#:</b>        | 2915450        | <b>Cylinder #:</b>          | CC-90855        |
| <b>Certification Date:</b> | Jan-10-2014    | <b>Cylinder Pressure:</b>   | 1200 psig       |
| <b>P.O.#:</b>              | 2546692        | <b>Cylinder Valve:</b>      | CGA 350 / Steel |
| <b>Blend Type:</b>         | CERTIFIED      | <b>Cylinder Volume:</b>     | 29.5 Liter      |
| <b>Material#:</b>          | 14004551       | <b>Cylinder Material:</b>   | Aluminum        |
| <b>Traceability:</b>       | NIST by weight | <b>Gas Volume:</b>          | 2400 Liter      |
| <b>Expiration Date:</b>    | Jan-10-2015    | <b>Blend Tolerance:</b>     | 10% Relative    |
| <b>Do NOT use under:</b>   | 150 psig       | <b>Analytical Accuracy:</b> | 5% Relative     |

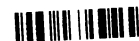
| COMPONENT                                 | CAS<br>NUMBER | REQUESTED<br>CONC | CERTIFIED<br>CONC |
|-------------------------------------------|---------------|-------------------|-------------------|
| Propylene                                 | 115-07-1      | 1.00 ppm          | 1.14 ppm          |
| Chlorodifluoromethane                     | 75-45-6       | 1.00 ppm          | 1.05 ppm          |
| Freon-12                                  | 75-71-8       | 1.00 ppm          | 1.02 ppm          |
| Chloromethane                             | 74-87-3       | 1.00 ppm          | 1.05 ppm          |
| Freon-114                                 | 76-14-2       | 1.00 ppm          | 1.05 ppm          |
| Vinyl Chloride                            | 75-01-4       | 1.00 ppm          | 1.04 ppm          |
| 1,3-Butadiene                             | 106-99-0      | 1.00 ppm          | 1.06 ppm          |
| Methanol (No Stability Guarantee)         | 67-56-1       | 1.00 ppm          | 1.05 ppm          |
| n-Butane                                  | 106-97-8      | 1.00 ppm          | 1.07 ppm          |
| Bromomethane                              | 74-83-9       | 1.00 ppm          | 1.03 ppm          |
| Chloroethane                              | 75-00-3       | 1.00 ppm          | 1.02 ppm          |
| Vinyl Bromide                             | 593-60-2      | 1.00 ppm          | 0.89 ppm          |
| Acetonitrile                              | 75-05-8       | 1.00 ppm          | 1.01 ppm          |
| Acrolein (No Stability Guarantee)         | 107-02-8      | 1.00 ppm          | 0.96 ppm          |
| Isopentane                                | 78-78-4       | 1.00 ppm          | 1.02 ppm          |
| Acetone                                   | 67-64-1       | 1.00 ppm          | 1.02 ppm          |
| Freon-11                                  | 75-69-4       | 1.00 ppm          | 1.04 ppm          |
| Isopropyl Alcohol                         | 67-63-0       | 1.00 ppm          | 1.12 ppm          |
| Acrylonitrile                             | 107-13-1      | 1.00 ppm          | 1.01 ppm          |
| n-Pentane                                 | 109-66-0      | 1.00 ppm          | 1.01 ppm          |
| Ethyl Ether                               | 60-29-7       | 1.00 ppm          | 1.01 ppm          |
| 1,1-Dichloroethene                        | 75-35-4       | 1.00 ppm          | 1.02 ppm          |
| Carbon Disulfide (No Stability Guarantee) | 75-15-0       | 1.00 ppm          | 1.04 ppm          |
| Methylene Chloride                        | 75-09-2       | 1.00 ppm          | 1.10 ppm          |
| Tert-Butanol                              | 75-65-0       | 1.00 ppm          | 1.10 ppm          |
| 3-Chloropropene                           | 107-05-1      | 1.00 ppm          | 1.10 ppm          |
| Freon-113                                 | 76-13-1       | 1.00 ppm          | 1.00 ppm          |
| Trans-1,2-Dichloroethene                  | 156-60-5      | 1.00 ppm          | 1.00 ppm          |
| 1,1-Dichloroethane                        | 75-34-3       | 1.00 ppm          | 1.04 ppm          |
| Methyl Tert Butyl Ether                   | 1634-04-4     | 1.00 ppm          | 1.08 ppm          |

THE LINDE GROUP

Linde

**SHIPPED TO:** Test America Inc.  
30 Community Drive Suite 11  
South Burlington, VT 05403

**PAGE:** 2 of 4



627134

ID: ATTO15CALs\_00021  
Exp: 01/10/15 Ppd: PAD Opn: 01/10/14  
TO15 Calibration Source T

**CERTIFICATE OF ANALYSIS**

**Sales#:** 111092258  
**Production#:** 2915450  
**Certification Date:** Jan-10-2014  
**P.O.# :** 2546692  
**Blend Type:** CERTIFIED  
**Material#:** 14004551  
**Traceability:** NIST by weight  
**Expiration Date:** Jan-10-2015  
**Do NOT use under:** 150 psig

**Cylinder Size:** 2A (8" X 47.5")  
**Cylinder # :** CC-90855  
**Cylinder Pressure:** 1200 psig  
**Cylinder Valve:** CGA 350 / Steel  
**Cylinder Volume:** 29.5 Liter  
**Cylinder Material:** Aluminum  
**Gas Volume:** 2400 Liter  
**Blend Tolerance:** 10% Relative  
**Analytical Accuracy:** 5% Relative

| COMPONENT                              | CAS<br>NUMBER | REQUESTED<br>CONC | CERTIFIED<br>CONC |
|----------------------------------------|---------------|-------------------|-------------------|
| Vinyl Acetate (No Stability Guarantee) | 108-05-4      | 1.00 ppm          | 1.09 ppm          |
| Methyl Ethyl Ketone                    | 78-93-3       | 1.00 ppm          | 1.08 ppm          |
| Cis-1,2-Dichloroethene                 | 156-59-2      | 1.00 ppm          | 1.06 ppm          |
| Hexane                                 | 110-54-3      | 1.00 ppm          | 1.05 ppm          |
| Chloroform                             | 67-66-3       | 1.00 ppm          | 1.01 ppm          |
| Ethyl Acetate                          | 141-78-6      | 1.00 ppm          | 1.01 ppm          |
| Tetrahydrofuran                        | 109-99-9      | 1.00 ppm          | 1.09 ppm          |
| 1,2-Dichloroethane                     | 107-06-2      | 1.00 ppm          | 1.08 ppm          |
| 1,1,1-Trichloroethane                  | 71-55-6       | 1.00 ppm          | 1.04 ppm          |
| Benzene                                | 71-43-2       | 1.00 ppm          | 1.06 ppm          |
| 1-Butanol (No Stability Guarantee)     | 71-36-3       | 1.00 ppm          | 1.10 ppm          |
| Carbon Tetrachloride                   | 56-23-5       | 1.00 ppm          | 1.08 ppm          |
| Cyclohexane                            | 110-82-7      | 1.00 ppm          | 1.07 ppm          |
| Dibromomethane                         | 74-95-3       | 1.00 ppm          | 1.08 ppm          |
| 1,2-Dichloropropane                    | 78-87-5       | 1.00 ppm          | 1.08 ppm          |
| Trichloroethylene                      | 79-01-6       | 1.00 ppm          | 1.08 ppm          |
| Bromodichloromethane                   | 75-27-4       | 1.00 ppm          | 1.08 ppm          |
| 1,4-Dioxane                            | 123-91-1      | 1.00 ppm          | 1.08 ppm          |
| 2,2,4-Trimethylpentane                 | 540-84-1      | 1.00 ppm          | 1.05 ppm          |
| Methyl Methacrylate                    | 80-62-6       | 1.00 ppm          | 1.06 ppm          |
| Heptane                                | 142-82-5      | 1.00 ppm          | 1.09 ppm          |
| Cis-1,3-Dichloropropene                | 10061-01-5    | 1.00 ppm          | 1.03 ppm          |
| Methyl Isobutyl Ketone                 | 108-10-1      | 1.00 ppm          | 1.08 ppm          |
| Methylcyclohexane                      | 108-87-2      | 1.00 ppm          | 1.08 ppm          |
| Trans-1,3-Dichloropropene              | 10061-02-6    | 1.00 ppm          | 1.10 ppm          |
| 1,1,2-Trichloroethane                  | 79-00-5       | 1.00 ppm          | 1.09 ppm          |
| Toluene                                | 108-88-3      | 1.00 ppm          | 1.09 ppm          |
| Methyl Butyl Ketone                    | 591-78-6      | 1.00 ppm          | 1.10 ppm          |
| Dibromochloromethane                   | 124-48-1      | 1.00 ppm          | 1.10 ppm          |
| 1,2-Dibromoethane                      | 106-93-4      | 1.00 ppm          | 1.08 ppm          |

THE LINDE GROUP

Linde

**SHIPPED TO:** Test America Inc.  
30 Community Drive Suite 11  
South Burlington, VT 05403

**PAGE:** 3 of 4



627134

ID: ATTO15CALs\_00021  
Exp:01/10/15 Ppd:PAD Opn:01/10/14  
TO15 Calibration Source T

### CERTIFICATE OF ANALYSIS

**Sales#:** 111092258  
**Production#:** 2915450  
**Certification Date:** Jan-10-2014  
**P.O.# :** 2546692  
**Blend Type:** CERTIFIED  
**Material#:** 14004551  
**Traceability:** NIST by weight  
**Expiration Date:** Jan-10-2015  
**Do NOT use under:** 150 psig

**Cylinder Size:** 2A (8" X 47.5")  
**Cylinder # :** CC-90855  
**Cylinder Pressure:** 1200 psig  
**Cylinder Valve:** CGA 350 / Steel  
**Cylinder Volume:** 29.5 Liter  
**Cylinder Material:** Aluminum  
**Gas Volume:** 2400 Liter  
**Blend Tolerance:** 10% Relative  
**Analytical Accuracy:** 5% Relative

| COMPONENT                                     | CAS<br>NUMBER | REQUESTED<br>CONC | CERTIFIED<br>CONC |
|-----------------------------------------------|---------------|-------------------|-------------------|
| n-Octane                                      | 111-65-9      | 1.00 ppm          | 1.07 ppm          |
| Tetrachloroethylene                           | 127-18-4      | 1.00 ppm          | 1.03 ppm          |
| Chlorobenzene                                 | 108-90-7      | 1.00 ppm          | 1.10 ppm          |
| Ethylbenzene                                  | 100-41-4      | 1.00 ppm          | 1.08 ppm          |
| p-xylene                                      | 106-42-3      | 1.00 ppm          | 1.07 ppm          |
| m-xylene                                      | 108-38-3      | 1.00 ppm          | 1.07 ppm          |
| Bromoform                                     | 75-25-2       | 1.00 ppm          | 1.07 ppm          |
| Styrene                                       | 100-42-5      | 1.00 ppm          | 1.10 ppm          |
| o-xylene                                      | 95-47-6       | 1.00 ppm          | 1.10 ppm          |
| 1,1,2,2-Tetrachloroethane                     | 79-34-5       | 1.00 ppm          | 1.10 ppm          |
| 1,2,3-Trichloropropane                        | 96-18-4       | 1.00 ppm          | 1.05 ppm          |
| Nonane                                        | 111-84-2      | 1.00 ppm          | 1.05 ppm          |
| Cumene                                        | 98-82-8       | 1.00 ppm          | 1.03 ppm          |
| 2-Chlorotoluene                               | 95-49-8       | 1.00 ppm          | 1.07 ppm          |
| n-Propylbenzene                               | 103-65-1      | 1.00 ppm          | 1.03 ppm          |
| 4-Ethyltoluene                                | 622-96-8      | 1.00 ppm          | 1.07 ppm          |
| 1,3,5-Trimethylbenzene                        | 108-67-8      | 1.00 ppm          | 1.10 ppm          |
| Alpha-Methyl Styrene (No Stability Guarantee) | 98-83-9       | 1.00 ppm          | 1.03 ppm          |
| Tert-Butyl Benzene                            | 98-06-6       | 1.00 ppm          | 1.08 ppm          |
| 1,2,4-Trimethylbenzene                        | 95-63-6       | 1.00 ppm          | 1.08 ppm          |
| 1,3-Dichlorobenzene                           | 541-73-1      | 1.00 ppm          | 1.09 ppm          |
| Benzyl Chloride (No Stability Guarantee)      | 100-44-7      | 1.00 ppm          | 1.09 ppm          |
| n-Decane                                      | 124-18-5      | 1.00 ppm          | 1.08 ppm          |
| 1,4-Dichlorobenzene                           | 106-46-7      | 1.00 ppm          | 1.08 ppm          |
| sec-Butylbenzene                              | 135-98-8      | 1.00 ppm          | 1.04 ppm          |
| 4-Isopropyltoluene                            | 99-87-6       | 1.00 ppm          | 1.04 ppm          |
| 1,2-Dichlorobenzene                           | 95-50-1       | 1.00 ppm          | 1.08 ppm          |
| n-Butylbenzene                                | 104-51-8      | 1.00 ppm          | 1.05 ppm          |

THE LINDE GROUP

*Linde*

SHIPPED TO: Test America Inc.  
30 Community Drive Suite 11  
South Burlington, VT 05403

PAGE: 4 of 4

627134  
ID: ATTO15CAL5\_00021  
Exp:01/10/15 Pp:PAD Opn:01/10/14  
TO15 Calibration Source T

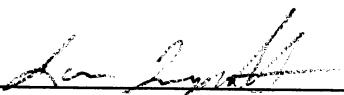
## CERTIFICATE OF ANALYSIS

Sales#: 111092258  
Production#: 2915450  
Certification Date: Jan-10-2014  
P.O.# : 2546692  
Blend Type: CERTIFIED  
Material#: 14004551  
Traceability: NIST by weight  
Expiration Date: Jan-10-2015  
Do NOT use under: 150 psig

Cylinder Size: 2A (8" X 47.5")  
Cylinder # : CC-90855  
Cylinder Pressure: 1200 psig  
Cylinder Valve: CGA 350 / Steel  
Cylinder Volume: 29.5 Liter  
Cylinder Material: Aluminum  
Gas Volume: 2400 Liter  
Blend Tolerance: 10% Relative  
Analytical Accuracy: 5% Relative

| COMPONENT                            | CAS<br>NUMBER | REQUESTED<br>CONC | CERTIFIED<br>CONC |
|--------------------------------------|---------------|-------------------|-------------------|
| n-Undecane                           | 1120-21-4     | 1.00 ppm          | 1.01 ppm          |
| 1,2,4-Trichlorobenzene               | 120-82-1      | 1.00 ppm          | 1.10 ppm          |
| Naphthalene (No Stability Guarantee) | 91-20-3       | 1.00 ppm          | 1.03 ppm          |
| n-Dodecane                           | 112-40-3      | 1.00 ppm          | 0.95 ppm          |
| 1,2,3-Trichlorobenzene               | 87-61-6       | 1.00 ppm          | 1.04 ppm          |
| Hexachloro-1,3-Butadiene             | 87-68-3       | 1.00 ppm          | 1.10 ppm          |
| Nitrogen                             | 7727-37-9     | Balance           | Balance           |

ANALYST:

  
Lou Lorenzetti

DATE: Jan-10-2014



3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Certificate of Analysis

Product Name:

Ethanol - 200 proof, anhydrous,  $\geq 99.5\%$ 

Product Number: 459836  
Lot Number: SHBB5682V  
Brand: SIAL  
CAS Number: 64-17-5  
MDL Number: MFCD00003568  
Formula: C<sub>2</sub>H<sub>6</sub>O  
Formula Weight: 46.07 g/mol  
Quality Release Date: 15 SEP 2011



389837

ID: ATTO15EthCALs\_00007

E-p: 09/11/17 Prod P-01 Open: 09/11/12  
TO15 Ethanol Cal source 9

| Test                             | Specification         | Result     |
|----------------------------------|-----------------------|------------|
| Appearance (Color)               | Colorless             | Colorless  |
| Appearance (Form)                | Liquid                | Liquid     |
| Infrared spectrum                | Conforms to Structure | Conforms   |
| Purity (GC)                      | $\geq 99.5\%$         | $> 99.9\%$ |
| Water (by Karl Fischer)          | $\leq 0.005\%$        | 0.003 %    |
| Residue on Evaporation           | $\leq 0.0005\%$       | 0.0003 %   |
| Starting Material Clearance      | Confirmed             | Conforms   |
| TRACEABLE TO ACS PRODUCT LISTING |                       |            |

Jennifer Baughman, Manager  
Quality Control  
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Spectra Gases, Inc.

3434 Route 22 West, Branchburg, New Jersey 08876 USA

ISO 9001:2000

AT-06-02-06-05

9/28/05

SHIPPED FROM: 80 INDUSTRIAL DRIVE ALPHA, NJ. 08865

MTP

SHIPPED TO:

Severn Trent Labs  
208 South Park Drive  
Suite 1  
Colchester, VT 05446

Recert AT 0201009  
exp 12/10/08

Instrument F

CERTIFICATE  
OF  
ANALYSIS

Lot# 238643

SGI ORDER #: 0077411

ITEM#: 1

CERTIFICATION DATE: 9/16/2005

P.O.#: 2117184

BLEND TYPE: CERTIFIED

CYLINDER #: CC-172855

CYLINDER PRES: 2000 psig

CYLINDER VALVE: CGA 350

PRODUCT EXPIRATION DATE: 9/16/2006

ANALYTICAL ACCURACY: +/- 10%

| COMPONENT            | REQUESTED GAS<br>CONC | ANALYSIS |
|----------------------|-----------------------|----------|
| Bromochloromethane   | 100 ppb               | 100 ppb  |
| 1,4-Difluorobenzene  | 100 ppb               | 101 ppb  |
| Chlorobenzene-d5     | 100 ppb               | 100 ppb  |
| 4-Bromofluorobenzene | 100 ppb               | 100 ppb  |
| Nitrogen             | Balance               | Balance  |



84579

ID: ATTO15FISs\_00003

Exp 11/15/11 Ppbd VWRD Open 1201110  
Instrument F Internal Sta

ANALYST:

April Chamberlain

DATE: 9/19/2005

Tel: +1 908-252-9300 Fax: +1 908-252-0811

www.spectragases.com  
Page 154 of 715

04/30/2014

## Certification Summary

Client: FPM Remediations Inc  
Project/Site: Griffiss AFB Soil Vapor

TestAmerica Job ID: 280-54595-1

| 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.

# TO15

---

Volatile Organic Compounds in  
Ambient Air

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 7223\_005.d  
 Lab ID: LCS 200-71232/5 Client ID: \_\_\_\_\_

| COMPOUND                      | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Dichlorodifluoromethane       | 10.0                        | 10.4                              | 105             | 70-130              |   |
| Freon 22                      | 10.0                        | 10.8                              | 108             | 70-130              |   |
| 1,2-Dichlorotetrafluoroethane | 10.0                        | 10.3                              | 103             | 70-130              |   |
| Chloromethane                 | 10.0                        | 9.31                              | 93              | 70-130              |   |
| n-Butane                      | 10.0                        | 10.1                              | 101             | 70-130              |   |
| Vinyl chloride                | 10.0                        | 8.71                              | 87              | 70-130              |   |
| 1,3-Butadiene                 | 10.0                        | 9.47                              | 95              | 70-130              |   |
| Bromomethane                  | 10.0                        | 7.98                              | 80              | 70-130              |   |
| Chloroethane                  | 10.0                        | 9.17                              | 92              | 70-130              |   |
| Bromoethene (Vinyl Bromide)   | 10.0                        | 8.42                              | 84              | 70-130              |   |
| Trichlorofluoromethane        | 10.0                        | 9.61                              | 96              | 70-130              |   |
| Freon TF                      | 10.0                        | 8.56                              | 86              | 70-130              |   |
| 1,1-Dichloroethene            | 10.0                        | 8.70                              | 87              | 70-130              |   |
| Acetone                       | 10.0                        | 11.1                              | 111             | 70-130              |   |
| Isopropyl alcohol             | 10.0                        | 9.34                              | 93              | 70-130              |   |
| Carbon disulfide              | 10.0                        | 9.92                              | 99              | 70-130              |   |
| 3-Chloropropene               | 10.0                        | 10.1                              | 101             | 70-130              |   |
| Methylene Chloride            | 10.0                        | 9.86                              | 99              | 70-130              |   |
| tert-Butyl alcohol            | 10.0                        | 10.1                              | 101             | 70-130              |   |
| Methyl tert-butyl ether       | 10.0                        | 11.2                              | 112             | 70-130              |   |
| trans-1,2-Dichloroethene      | 10.0                        | 10.6                              | 106             | 70-130              |   |
| n-Hexane                      | 10.0                        | 11.1                              | 111             | 70-130              |   |
| 1,1-Dichloroethane            | 10.0                        | 9.09                              | 91              | 70-130              |   |
| Methyl Ethyl Ketone           | 10.0                        | 9.15                              | 92              | 70-130              |   |
| cis-1,2-Dichloroethene        | 10.0                        | 8.55                              | 86              | 70-130              |   |
| Chloroform                    | 10.0                        | 9.06                              | 91              | 70-130              |   |
| Tetrahydrofuran               | 10.0                        | 9.70                              | 97              | 70-130              |   |
| 1,1,1-Trichloroethane         | 10.0                        | 9.70                              | 97              | 70-130              |   |
| Cyclohexane                   | 10.0                        | 9.74                              | 97              | 70-130              |   |
| Carbon tetrachloride          | 10.0                        | 9.38                              | 94              | 70-130              |   |
| 2,2,4-Trimethylpentane        | 10.0                        | 10.2                              | 102             | 70-130              |   |
| Benzene                       | 10.0                        | 8.45                              | 84              | 70-130              |   |
| 1,2-Dichloroethane            | 10.0                        | 10.4                              | 104             | 70-130              |   |
| n-Heptane                     | 10.0                        | 10.7                              | 107             | 70-130              |   |
| Trichloroethene               | 10.0                        | 8.91                              | 89              | 70-130              |   |
| Methyl methacrylate           | 10.0                        | 9.73                              | 97              | 70-130              |   |
| 1,2-Dichloropropane           | 10.0                        | 8.49                              | 85              | 70-130              |   |
| 1,4-Dioxane                   | 10.0                        | 8.36                              | 84              | 70-130              |   |
| Bromodichloromethane          | 10.0                        | 9.36                              | 94              | 70-130              |   |
| cis-1,3-Dichloropropene       | 10.0                        | 10.3                              | 103             | 70-130              |   |
| methyl isobutyl ketone        | 10.0                        | 10.6                              | 106             | 70-130              |   |
| Toluene                       | 10.0                        | 9.20                              | 92              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 7223\_005.d  
 Lab ID: LCS 200-71232/5 Client ID: \_\_\_\_\_

| COMPOUND                            | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| trans-1,3-Dichloropropene           | 10.0                        | 10.6                              | 106             | 70-130              |   |
| 1,1,2-Trichloroethane               | 10.0                        | 8.48                              | 85              | 70-130              |   |
| Tetrachloroethene                   | 10.0                        | 7.91                              | 79              | 70-130              |   |
| Methyl Butyl Ketone<br>(2-Hexanone) | 10.0                        | 10.6                              | 106             | 70-130              |   |
| Dibromochloromethane                | 10.0                        | 8.75                              | 88              | 70-130              |   |
| 1,2-Dibromoethane                   | 10.0                        | 8.87                              | 89              | 70-130              |   |
| Chlorobenzene                       | 10.0                        | 8.21                              | 82              | 70-130              |   |
| Ethylbenzene                        | 10.0                        | 9.71                              | 97              | 70-130              |   |
| m,p-Xylene                          | 20.0                        | 18.8                              | 94              | 70-130              |   |
| Xylene, o-                          | 10.0                        | 9.77                              | 98              | 70-130              |   |
| Styrene                             | 10.0                        | 10.2                              | 102             | 70-130              |   |
| Bromoform                           | 10.0                        | 8.77                              | 88              | 70-130              |   |
| Cumene                              | 10.0                        | 10.1                              | 101             | 70-130              |   |
| 1,1,2,2-Tetrachloroethane           | 10.0                        | 8.27                              | 83              | 70-130              |   |
| n-Propylbenzene                     | 10.0                        | 9.78                              | 98              | 70-130              |   |
| 4-Ethyltoluene                      | 10.0                        | 9.52                              | 95              | 70-130              |   |
| 1,3,5-Trimethylbenzene              | 10.0                        | 9.46                              | 95              | 70-130              |   |
| 2-Chlorotoluene                     | 10.0                        | 9.27                              | 93              | 70-130              |   |
| tert-Butylbenzene                   | 10.0                        | 9.36                              | 94              | 70-130              |   |
| 1,2,4-Trimethylbenzene              | 10.0                        | 9.85                              | 99              | 70-130              |   |
| sec-Butylbenzene                    | 10.0                        | 9.50                              | 95              | 70-130              |   |
| 4-Isopropyltoluene                  | 10.0                        | 9.75                              | 98              | 70-130              |   |
| 1,3-Dichlorobenzene                 | 10.0                        | 8.26                              | 83              | 70-130              |   |
| 1,4-Dichlorobenzene                 | 10.0                        | 8.32                              | 83              | 70-130              |   |
| Benzyl chloride                     | 10.0                        | 8.66                              | 87              | 70-130              |   |
| n-Butylbenzene                      | 10.0                        | 9.73                              | 97              | 70-130              |   |
| 1,2-Dichlorobenzene                 | 10.0                        | 8.26                              | 83              | 70-130              |   |
| 1,2,4-Trichlorobenzene              | 10.0                        | 7.18                              | 72              | 70-130              |   |
| Hexachlorobutadiene                 | 10.0                        | 8.28                              | 83              | 70-130              |   |
| Naphthalene                         | 10.0                        | 7.31                              | 73              | 70-130              |   |

# Column to be used to flag recovery and RPD values

FORM IV  
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 7223\_006.d Lab Sample ID: MB 200-71232/6  
 Matrix: Air Heated Purge: (Y/N) N  
 Instrument ID: CHW.i Date Analyzed: 04/25/2014 16:03  
 GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID   | LAB<br>FILE ID | DATE ANALYZED    |
|------------------|-----------------|----------------|------------------|
|                  | LCS 200-71232/5 | 7223_005.d     | 04/25/2014 15:08 |
| 101VMP0101CA     | 280-54595-1     | 7223_007.d     | 04/25/2014 16:51 |
| 101VMP0201CA     | 280-54595-2     | 7223_008.d     | 04/25/2014 17:40 |
| 101VMP0301CA     | 280-54595-3     | 7223_009.d     | 04/25/2014 18:28 |
| 101VMP0101CC     | 280-54595-4     | 7223_010.d     | 04/25/2014 19:16 |
| 101IA0305CA      | 280-54595-5     | 7223_011.d     | 04/25/2014 20:05 |
| 101IA0405CA      | 280-54595-6     | 7223_012.d     | 04/25/2014 20:54 |
| 101OA0305CA      | 280-54595-7     | 7223_013.d     | 04/25/2014 21:44 |
| 101CA01CA        | 280-54595-8     | 7223_014.d     | 04/25/2014 22:34 |
| 041614TB         | 280-54595-9     | 7223_015.d     | 04/25/2014 23:23 |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6099\_001.d BFB Injection Date: 02/11/2014  
 Instrument ID: CHW.i BFB Injection Time: 16:00  
 Analysis Batch No.: 68234

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 13.8                 |
| 75  | 30.0 - 66.0% of mass 95            | 46.7                 |
| 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         | 0.6 (0.6) 1          |
| 174 | 50.0 - 120.0% of mass 95           | 104.2                |
| 175 | 4.0 - 9.0 % of mass 174            | 7.5 (7.2) 1          |
| 176 | 93.0 - 101.0% of mass 174          | 101.9 (97.8) 1       |
| 177 | 5.0 - 9.0% of mass 176             | 6.6 (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 200-68234/4   | 6101_004.d  | 02/11/2014    | 19:12         |
|                  | IC 200-68234/5   | 6101_005.d  | 02/11/2014    | 20:02         |
|                  | IC 200-68234/6   | 6101_006.d  | 02/11/2014    | 20:50         |
|                  | IC 200-68234/7   | 6101_007.d  | 02/11/2014    | 21:39         |
|                  | ICIS 200-68234/8 | 6101_008.d  | 02/11/2014    | 22:30         |
|                  | IC 200-68234/9   | 6101_009.d  | 02/11/2014    | 23:18         |
|                  | IC 200-68234/10  | 6101_010.d  | 02/12/2014    | 00:07         |
|                  | IC 200-68234/11  | 6101_011.d  | 02/12/2014    | 00:55         |
|                  | ICV 200-68234/14 | 6101_014.d  | 02/12/2014    | 03:20         |



FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 7223\_001.d BFB Injection Date: 04/25/2014  
 Instrument ID: CHW.i BFB Injection Time: 10:44  
 Analysis Batch No.: 71232

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 16.6                 |
| 75  | 30.0 - 66.0% of mass 95            | 50.9                 |
| 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         | 0.6 (0.7) 1          |
| 174 | 50.0 - 120.0% of mass 95           | 89.7                 |
| 175 | 4.0 - 9.0 % of mass 174            | 6.1 (6.8) 1          |
| 176 | 93.0 - 101.0% of mass 174          | 88.1 (98.2) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 5.9 (6.7) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT SAMPLE ID | LAB SAMPLE ID     | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|-------------------|-------------|---------------|---------------|
|                  | CCVIS 200-71232/3 | 7223_003.d  | 04/25/2014    | 12:48         |
|                  | LCS 200-71232/5   | 7223_005.d  | 04/25/2014    | 15:08         |
|                  | MB 200-71232/6    | 7223_006.d  | 04/25/2014    | 16:03         |
| 101VMP0101CA     | 280-54595-1       | 7223_007.d  | 04/25/2014    | 16:51         |
| 101VMP0201CA     | 280-54595-2       | 7223_008.d  | 04/25/2014    | 17:40         |
| 101VMP0301CA     | 280-54595-3       | 7223_009.d  | 04/25/2014    | 18:28         |
| 101VMP0101CC     | 280-54595-4       | 7223_010.d  | 04/25/2014    | 19:16         |
| 101IA0305CA      | 280-54595-5       | 7223_011.d  | 04/25/2014    | 20:05         |
| 101IA0405CA      | 280-54595-6       | 7223_012.d  | 04/25/2014    | 20:54         |
| 101OA0305CA      | 280-54595-7       | 7223_013.d  | 04/25/2014    | 21:44         |
| 101CA01CA        | 280-54595-8       | 7223_014.d  | 04/25/2014    | 22:34         |
| 041614TB         | 280-54595-9       | 7223_015.d  | 04/25/2014    | 23:23         |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Sample No.: ICIS 200-68234/8 Date Analyzed: 02/11/2014 22:30  
Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)  
Lab File ID (Standard): 6101\_008.d Heated Purge: (Y/N) N  
Calibration ID: 25497

|                               | BCM              |        | DFB     |         | CBZ     |         |       |
|-------------------------------|------------------|--------|---------|---------|---------|---------|-------|
|                               | AREA #           | RT #   | AREA #  | RT #    | AREA #  | RT #    |       |
| INITIAL CALIBRATION MID-POINT | 501508           | 12.85  | 2304289 | 14.75   | 2110792 | 20.44   |       |
| UPPER LIMIT                   | 702111           | 13.18  | 3226005 | 15.08   | 2955109 | 20.77   |       |
| LOWER LIMIT                   | 300905           | 12.52  | 1382573 | 14.42   | 1266475 | 20.11   |       |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |        |         |         |         |         |       |
| ICV 200-68234/14              |                  | 576959 | 12.86   | 2743463 | 14.75   | 2494405 | 20.44 |

BCM = Bromochloromethane  
DFB = 1,4-Difluorobenzene  
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 200-71232/3 Date Analyzed: 04/25/2014 12:48  
 Instrument ID: CHW.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 7223\_003.d Heated Purge: (Y/N) N  
 Calibration ID: 25497

|                 | BCM              |        | DFB     |        | CBZ     |              |
|-----------------|------------------|--------|---------|--------|---------|--------------|
|                 | AREA #           | RT #   | AREA #  | RT #   | AREA #  | RT #         |
| 12/24 HOUR STD  | 160827           | 12.85  | 776562  | 14.74  | 728312  | 20.43        |
| UPPER LIMIT     | 225158           | 13.18  | 1087187 | 15.07  | 1019637 | 20.76        |
| LOWER LIMIT     | 96496            | 12.52  | 465937  | 14.41  | 436987  | 20.10        |
| LAB SAMPLE ID   | CLIENT SAMPLE ID |        |         |        |         |              |
| LCS 200-71232/5 |                  | 186076 | 12.85   | 889318 | 14.74   | 810149 20.43 |
| MB 200-71232/6  |                  | 156929 | 12.84   | 775713 | 14.73   | 674376 20.43 |
| 280-54595-1     | 101VMP0101CA     | 140554 | 12.85   | 684169 | 14.74   | 654742 20.43 |
| 280-54595-2     | 101VMP0201CA     | 156592 | 12.86   | 766805 | 14.74   | 715323 20.44 |
| 280-54595-3     | 101VMP0301CA     | 156648 | 12.85   | 762730 | 14.74   | 662817 20.43 |
| 280-54595-4     | 101VMP0101CC     | 133289 | 12.85   | 621740 | 14.74   | 587370 20.43 |
| 280-54595-5     | 101IA0305CA      | 153126 | 12.85   | 728817 | 14.74   | 645974 20.43 |
| 280-54595-6     | 101IA0405CA      | 127674 | 12.85   | 601522 | 14.74   | 558138 20.43 |
| 280-54595-7     | 101OA0305CA      | 152913 | 12.86   | 731866 | 14.74   | 636613 20.43 |
| 280-54595-8     | 101CA01CA        | 118739 | 12.86   | 592476 | 14.74   | 545998 20.44 |
| 280-54595-9     | 041614TB         | 135844 | 12.85   | 668166 | 14.74   | 569248 20.43 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1

Matrix: Air Lab File ID: 7223\_007.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.70   | J   | 2.0  | 0.12  |
| 75-45-6   | Freon 22                      | 86.47            | 0.53   | J M | 2.0  | 0.19  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.32   | U   | 0.80 | 0.14  |
| 74-87-3   | Chloromethane                 | 50.49            | 2.0    | U   | 2.0  | 0.54  |
| 106-97-8  | n-Butane                      | 58.12            | 5.4    |     | 2.0  | 1.1   |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.32   | U   | 0.80 | 0.15  |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.32   | U   | 0.80 | 0.17  |
| 74-83-9   | Bromomethane                  | 94.94            | 0.32   | U   | 0.80 | 0.11  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.32   | U   | 2.0  | 0.12  |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.32   | U   | 0.80 | 0.12  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.60   | J M | 0.80 | 0.12  |
| 76-13-1   | Freon TF                      | 187.38           | 0.12   | U   | 0.80 | 0.072 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.32   | U   | 0.80 | 0.096 |
| 67-64-1   | Acetone                       | 58.08            | 110    |     | 20   | 5.0   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 19     | J   | 20   | 0.86  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.80   | U   | 2.0  | 0.26  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.32   | U   | 2.0  | 0.14  |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.80   | U   | 2.0  | 0.50  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 7.0    | J   | 20   | 1.3   |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.53   | J   | 0.80 | 0.088 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.32   | U   | 0.80 | 0.12  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.76   | J   | 0.80 | 0.14  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.32   | U   | 0.80 | 0.15  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 16     |     | 2.0  | 0.97  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.32   | U   | 0.80 | 0.15  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.32   | U   | 0.80 | 0.26  |
| 67-66-3   | Chloroform                    | 119.38           | 2.8    |     | 0.80 | 0.10  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 15     | J   | 20   | 0.18  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.32   | U   | 0.80 | 0.084 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.32   | U   | 0.80 | 0.10  |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.11   | J   | 0.80 | 0.084 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.54   | J   | 0.80 | 0.11  |
| 71-43-2   | Benzene                       | 78.11            | 0.37   | J M | 0.80 | 0.076 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.12   | U   | 0.80 | 0.068 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1

Matrix: Air Lab File ID: 7223\_007.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|---|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.32   | U | 0.80 | 0.18  |
| 79-01-6     | Trichloroethene                  | 131.39           | 2.9    |   | 0.80 | 0.096 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.54   | J | 2.0  | 0.12  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.32   | U | 0.80 | 0.13  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.80   | U | 20   | 0.80  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.12   | U | 0.80 | 0.068 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.32   | U | 0.80 | 0.11  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 1.0    | J | 2.0  | 0.11  |
| 108-88-3    | Toluene                          | 92.14            | 4.4    |   | 0.80 | 0.068 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.32   | U | 0.80 | 0.088 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.12   | U | 0.80 | 0.068 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.12   | U | 0.80 | 0.064 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.80   | U | 2.0  | 0.80  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.12   | U | 0.80 | 0.080 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.32   | U | 0.80 | 0.080 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.12   | U | 0.80 | 0.032 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.68   | J | 0.80 | 0.052 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 2.1    |   | 2.0  | 0.092 |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.78   | J | 0.80 | 0.064 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 2.9    |   | 0.80 | 0.14  |
| 100-42-5    | Styrene                          | 104.15           | 0.96   |   | 0.80 | 0.072 |
| 75-25-2     | Bromoform                        | 252.75           | 0.12   | U | 0.80 | 0.040 |
| 98-82-8     | Cumene                           | 120.19           | 0.16   | J | 0.80 | 0.064 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.12   | U | 0.80 | 0.064 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.32   | U | 0.80 | 0.32  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.28   | J | 0.80 | 0.072 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.30   | J | 0.80 | 0.048 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.12   | U | 0.80 | 0.052 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.12   | U | 0.80 | 0.068 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.99   |   | 0.80 | 0.056 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.32   | U | 0.80 | 0.32  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.32   | U | 0.80 | 0.32  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 4.5    |   | 0.80 | 0.056 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.12   | U | 0.80 | 0.056 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1  
Matrix: Air Lab File ID: 7223\_007.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:50  
Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.32   | U | 0.80 | 0.32  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.32   | U | 0.80 | 0.32  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.12   | U | 0.80 | 0.056 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.23   | J | 2.0  | 0.11  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.32   | U | 0.80 | 0.088 |
| 91-20-3  | Naphthalene            | 128.17           | 0.80   | U | 2.0  | 0.80  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1

Matrix: Air Lab File ID: 7223\_007.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-----|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.5    | J   | 9.9 | 0.59 |
| 75-45-6   | Freon 22                      | 86.47            | 1.9    | J M | 7.1 | 0.68 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 2.2    | U   | 5.6 | 0.98 |
| 74-87-3   | Chloromethane                 | 50.49            | 4.1    | U   | 4.1 | 1.1  |
| 106-97-8  | n-Butane                      | 58.12            | 13     |     | 4.8 | 2.7  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.82   | U   | 2.0 | 0.39 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.71   | U   | 1.8 | 0.37 |
| 74-83-9   | Bromomethane                  | 94.94            | 1.2    | U   | 3.1 | 0.43 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.84   | U   | 5.3 | 0.32 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 1.4    | U   | 3.5 | 0.52 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 3.4    | J M | 4.5 | 0.67 |
| 76-13-1   | Freon TF                      | 187.38           | 0.92   | U   | 6.1 | 0.55 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 1.3    | U   | 3.2 | 0.38 |
| 67-64-1   | Acetone                       | 58.08            | 260    |     | 48  | 12   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 46     | J   | 49  | 2.1  |
| 75-15-0   | Carbon disulfide              | 76.14            | 2.5    | U   | 6.2 | 0.82 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 1.0    | U   | 6.3 | 0.43 |
| 75-09-2   | Methylene Chloride            | 84.93            | 2.8    | U   | 6.9 | 1.7  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 21     | J   | 61  | 4.0  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 1.9    | J   | 2.9 | 0.32 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 1.3    | U   | 3.2 | 0.46 |
| 110-54-3  | n-Hexane                      | 86.17            | 2.7    | J   | 2.8 | 0.48 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 1.3    | U   | 3.2 | 0.62 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 46     |     | 5.9 | 2.9  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 1.3    | U   | 3.2 | 0.60 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 1.3    | U   | 3.2 | 1.0  |
| 67-66-3   | Chloroform                    | 119.38           | 14     |     | 3.9 | 0.49 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 44     | J   | 59  | 0.54 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 1.7    | U   | 4.4 | 0.46 |
| 110-82-7  | Cyclohexane                   | 84.16            | 1.1    | U   | 2.8 | 0.34 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.68   | J   | 5.0 | 0.53 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 2.5    | J   | 3.7 | 0.50 |
| 71-43-2   | Benzene                       | 78.11            | 1.2    | J M | 2.6 | 0.24 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.49   | U   | 3.2 | 0.28 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1

Matrix: Air Lab File ID: 7223\_007.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|---|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 1.3    | U | 3.3 | 0.75 |
| 79-01-6     | Trichloroethene                  | 131.39           | 15     |   | 4.3 | 0.52 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 2.2    | J | 8.2 | 0.49 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 1.5    | U | 3.7 | 0.59 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 2.9    | U | 72  | 2.9  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.80   | U | 5.4 | 0.46 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 1.5    | U | 3.6 | 0.51 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 4.3    | J | 8.2 | 0.44 |
| 108-88-3    | Toluene                          | 92.14            | 17     |   | 3.0 | 0.26 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 1.5    | U | 3.6 | 0.40 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.65   | U | 4.4 | 0.37 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.81   | U | 5.4 | 0.43 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 3.3    | U | 8.2 | 3.3  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 1.0    | U | 6.8 | 0.68 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 2.5    | U | 6.1 | 0.61 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.55   | U | 3.7 | 0.15 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 3.0    | J | 3.5 | 0.23 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 9.3    |   | 8.7 | 0.40 |
| 95-47-6     | Xylene, o-                       | 106.17           | 3.4    | J | 3.5 | 0.28 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 13     |   | 3.5 | 0.59 |
| 100-42-5    | Styrene                          | 104.15           | 4.1    |   | 3.4 | 0.31 |
| 75-25-2     | Bromoform                        | 252.75           | 1.2    | U | 8.3 | 0.41 |
| 98-82-8     | Cumene                           | 120.19           | 0.81   | J | 3.9 | 0.31 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.82   | U | 5.5 | 0.44 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 1.6    | U | 3.9 | 1.6  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 1.4    | J | 3.9 | 0.35 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 1.5    | J | 3.9 | 0.24 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.62   | U | 4.1 | 0.27 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.66   | U | 4.4 | 0.37 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 4.9    |   | 3.9 | 0.28 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 1.8    | U | 4.4 | 1.8  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 1.8    | U | 4.4 | 1.8  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 27     |   | 4.8 | 0.34 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.72   | U | 4.8 | 0.34 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0101CA Lab Sample ID: 280-54595-1  
Matrix: Air Lab File ID: 7223\_007.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:50  
Sample wt/vol: 50 (mL) Date Analyzed: 04/25/2014 16:51  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 4  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 1.7    | U | 4.1 | 1.7  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 1.8    | U | 4.4 | 1.8  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.72   | U | 4.8 | 0.34 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 1.7    | J | 15  | 0.80 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 3.4    | U | 8.5 | 0.94 |
| 91-20-3  | Naphthalene            | 128.17           | 4.2    | U | 10  | 4.2  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d  
 Lims ID: 280-54595-A-1 Lab Sample ID: 200-54595-1  
 Client ID: 101VMP0101CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 16:51:30 ALS Bottle#: 4 Worklist Smp#: 8  
 Purge Vol: 200.000 mL Dil. Factor: 4.0000  
 Sample Info: 200-0007223-008  
 Misc. Info.: 280-54595-A-1  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:32:50 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:25:48

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.469     | 4.474         | -0.005        | 85 | 11288    | 0.1756            |       |
| 6 Chlorodifluoromethane        | 51  | 4.522     | 4.544         | -0.022        | 30 | 3242     | 0.1331            | M     |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  | 5.271     | 5.287         | -0.016        | 84 | 24314    | 1.36              |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.170     | 7.186         | -0.016        | 71 | 10897    | 0.1512            | M     |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |           | 8.428         |               |    |          |                   |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.749     | 8.743         | 0.005         | 85 | 561049   | 27.5              |       |
| 26 Carbon disulfide            | 76  |           | 9.000         |               |    |          |                   |       |
| 27 Isopropyl alcohol           | 45  | 9.021     | 9.043         | -0.022        | 95 | 79955    | 4.68              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  | 9.893     | 9.909         | -0.016        | 96 | 54179    | 1.75              |       |
| 33 Methyl tert-butyl ether     | 73  | 10.155    | 10.155        | 0.000         | 54 | 6774     | 0.1317            |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.653    | 10.642        | 0.011         | 70 | 3748     | 0.1905            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.381    | 12.392        | -0.011        | 98 | 33522    | 3.88              |       |
| 44 Tetrahydrofuran             | 42  | 12.841    | 12.846        | -0.005        | 55 | 48200    | 3.72              |       |
| * 43 Chlorobromomethane        | 128 | 12.846    | 12.852        | -0.006        | 71 | 140554   | 10.0              |       |
| 45 Chloroform                  | 83  | 12.959    | 12.959        | 0.000         | 78 | 32722    | 0.6947            |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 48 Carbon tetrachloride        | 117 | 13.531    | 13.520        | 0.011         | 25 | 1754     | 0.0269            |       |
| 51 Isooctane                   | 57  | 13.916    | 13.916        | 0.000         | 79 | 8919     | 0.1341            |       |
| 50 Benzene                     | 78  | 13.970    | 13.975        | -0.005        | 41 | 5582     | 0.0936            | M     |
| 52 1,2-Dichloroethane          | 62  |           | 14.136        |               |    |          |                   |       |
| 53 n-Heptane                   | 43  |           | 14.269        |               |    |          |                   |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735    | 14.735        | 0.000         | 94 | 684169   | 10.0              |       |
| 56 Trichloroethene             | 95  | 15.195    | 15.200        | -0.005        | 92 | 22025    | 0.7176            |       |
| 58 1,2-Dichloropropane         | 63  |           | 15.725        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  | 15.799    | 15.805        | -0.006        | 74 | 2563     | 0.1361            |       |
| 60 1,4-Dioxane                 | 88  |           | 15.896        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 16.217        |               |    |          |                   |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 17.073        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.308    | 17.313        | -0.005        | 79 | 7604     | 0.2612            |       |
| 66 Toluene                     | 92  | 17.645    | 17.650        | -0.005        | 95 | 52776    | 1.11              |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 18.180        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 18.555        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 |           | 18.688        |               |    |          |                   |       |
| 73 2-Hexanone                  | 43  |           | 18.934        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 19.309        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 19.592        |               |    |          |                   |       |
| S 82 Xylenes, Total            | 106 |           |               |               | 0  |          | 0.7292            |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432    | 20.432        | 0.000         | 87 | 654742   | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 20.491        |               |    |          |                   |       |
| 78 Ethylbenzene                | 91  | 20.603    | 20.603        | 0.000         | 83 | 18918    | 0.1705            |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.817    | 20.823        | -0.006        | 98 | 23901    | 0.5342            |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534        | 0.000         | 80 | 8236     | 0.1950            |       |
| 84 Styrene                     | 104 | 21.572    | 21.572        | 0.000         | 87 | 15016    | 0.2396            |       |
| 85 Bromoform                   | 173 |           | 21.952        |               |    |          |                   |       |
| 86 Isopropylbenzene            | 105 | 22.096    | 22.101        | -0.005        | 48 | 5325     | 0.0410            |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.438    | 22.438        | 0.000         | 91 | 481263   | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |           | 22.663        |               |    |          |                   |       |
| 90 N-Propylbenzene             | 91  |           | 22.733        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 | 22.898    | 22.904        | -0.006        | 80 | 9955     | 0.0689            |       |
| 92 2-Chlorotoluene             | 91  |           | 22.936        |               |    |          |                   |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.995    | 22.995        | 0.000         | 72 | 10093    | 0.0754            |       |
| 96 tert-Butylbenzene           | 119 |           | 23.471        |               |    |          |                   |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.562    | 23.562        | 0.000         | 90 | 31609    | 0.2476            |       |
| 98 sec-Butylbenzene            | 105 |           | 23.803        |               |    |          |                   |       |
| 99 4-Isopropyltoluene          | 119 |           | 24.001        |               |    |          |                   |       |
| 100 1,3-Dichlorobenzene        | 146 | 24.070    | 24.070        | 0.000         | 95 | 103819   | 1.12              |       |
| 101 1,4-Dichlorobenzene        | 146 |           | 24.215        |               |    |          |                   |       |
| 102 Benzyl chloride            | 91  |           | 24.429        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 24.637        |               |    |          |                   |       |
| 105 1,2-Dichlorobenzene        | 146 |           | 24.824        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 | 27.708    | 27.708        | 0.000         | 1  | 2645     | 0.0568            |       |
| 108 Hexachlorobutadiene        | 225 |           | 27.911        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 28.296        |               |    |          |                   |       |

QC Flag Legend

Review Flags

M - Manually Integrated

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Worklist Smp#: 8

Client ID: 101VMP0101CA

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

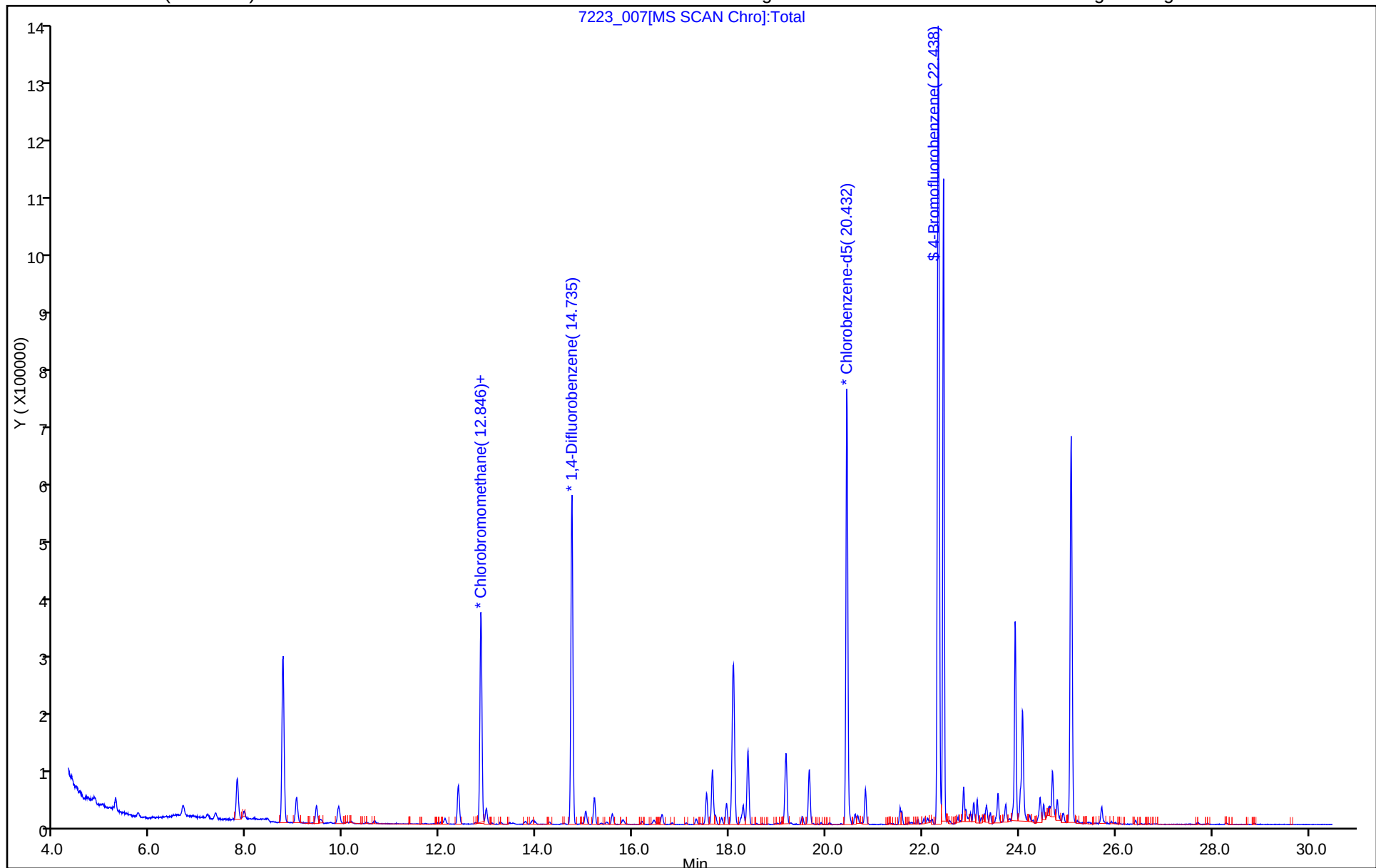
ALS Bottle#: 4

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

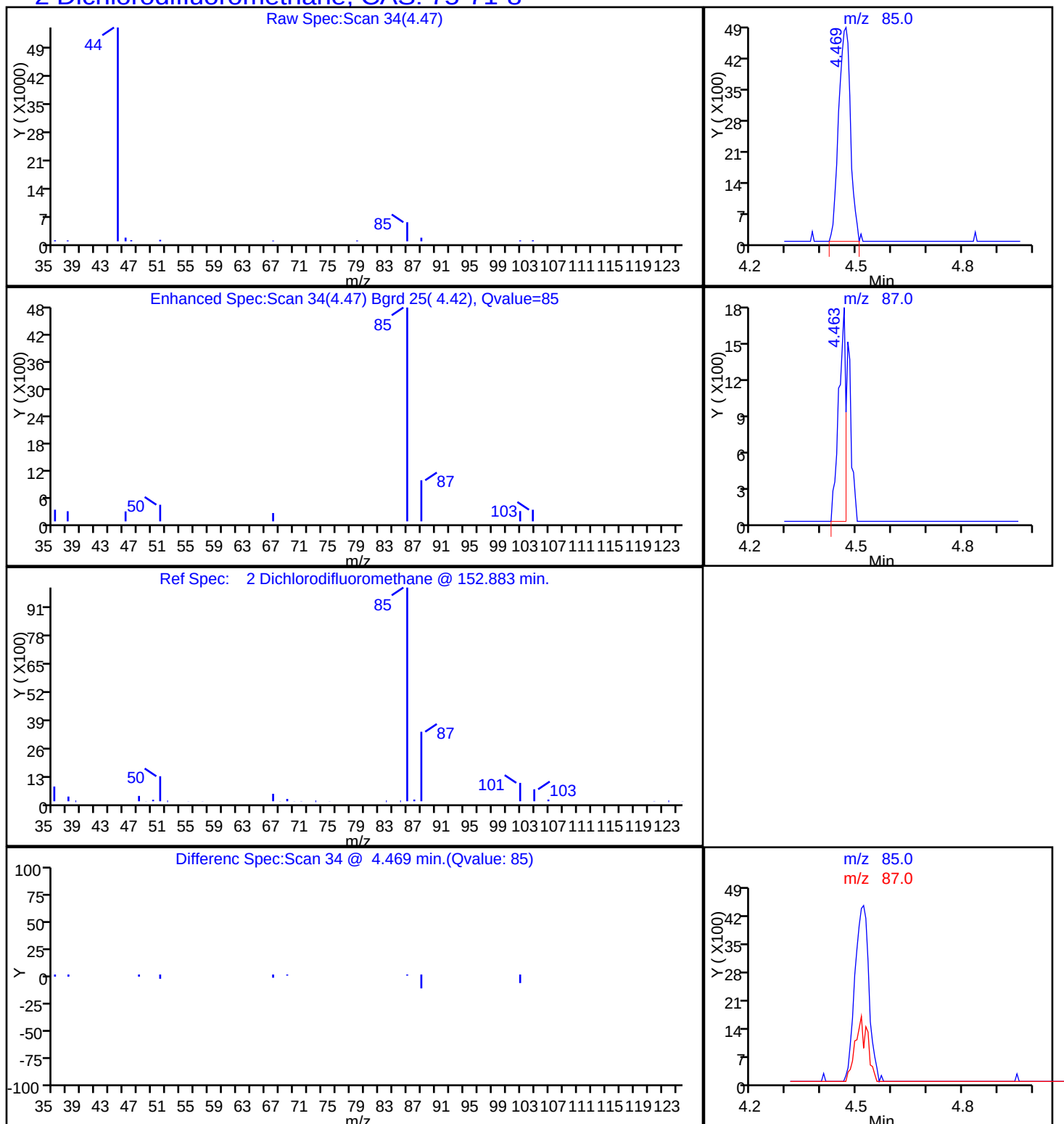
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

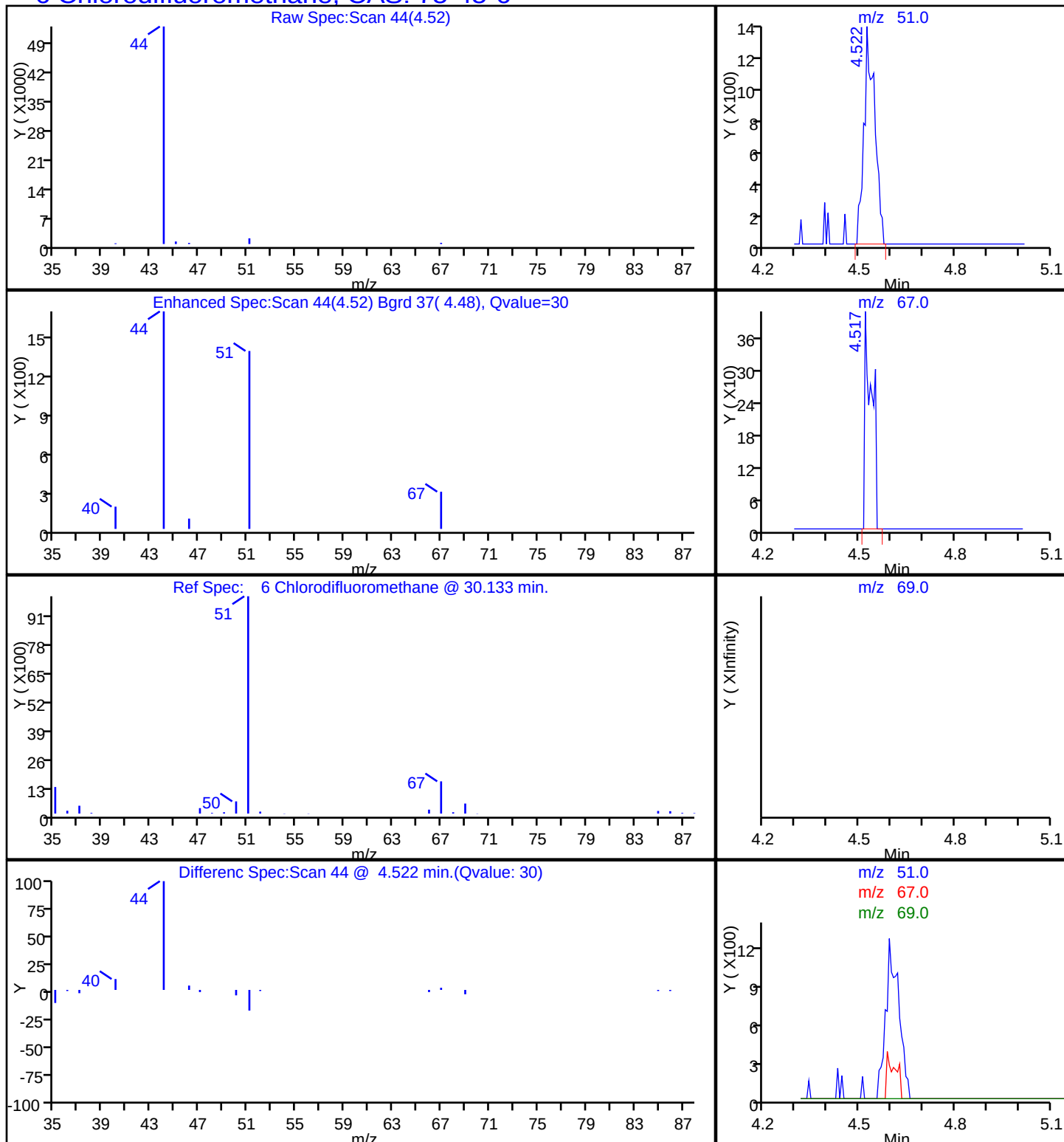
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 6 Chlorodifluoromethane, CAS: 75-45-6



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

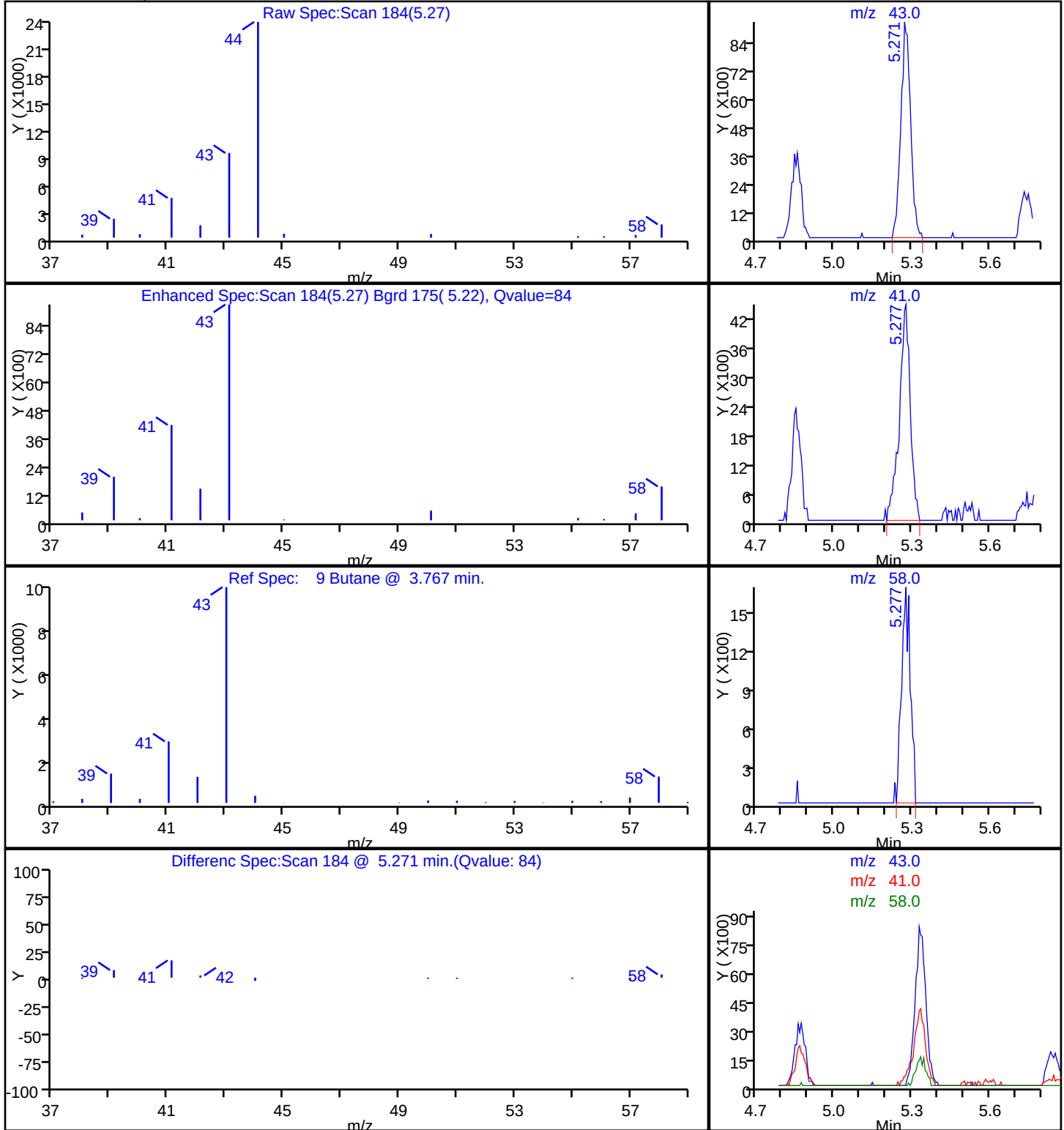
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

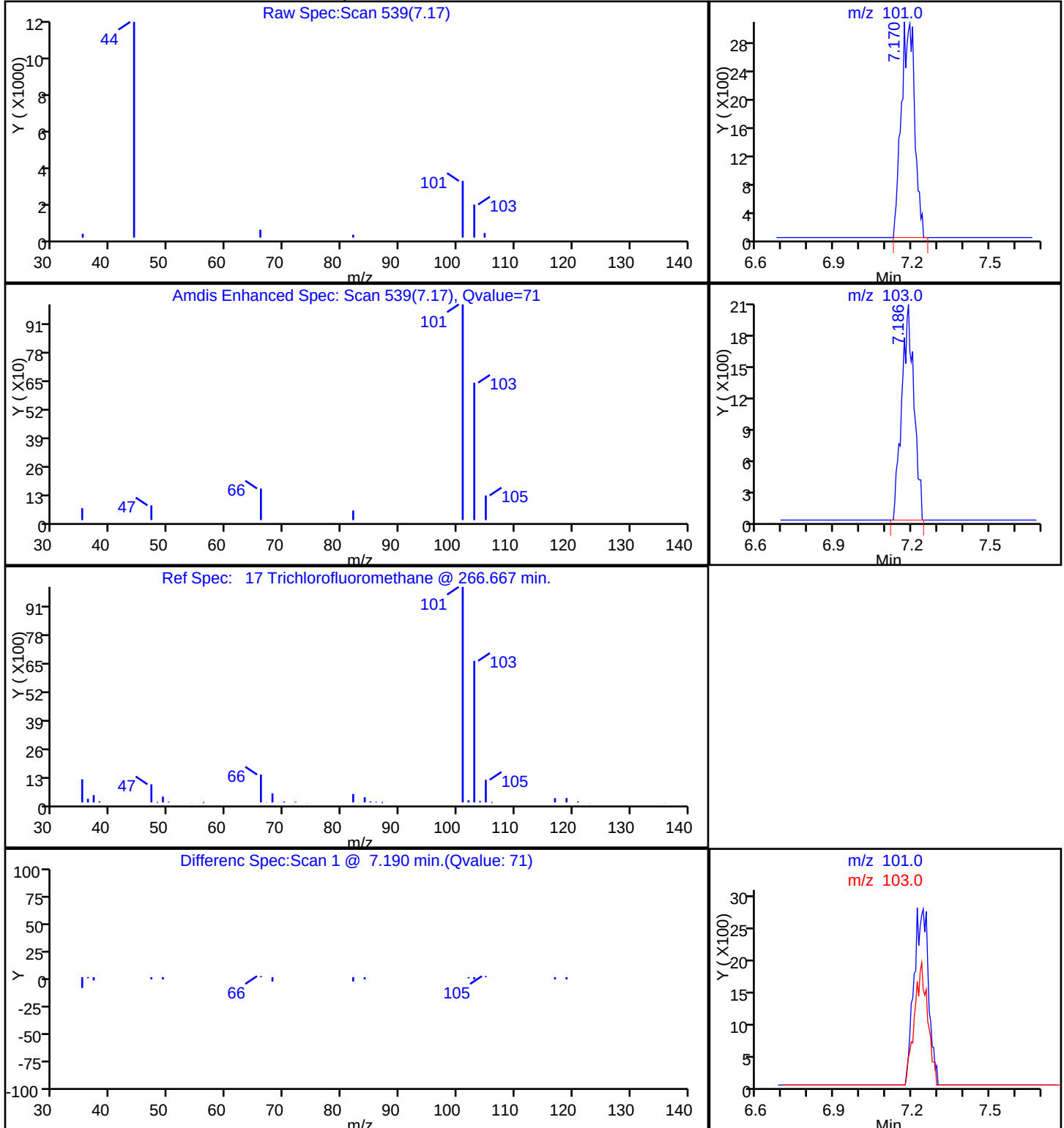
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

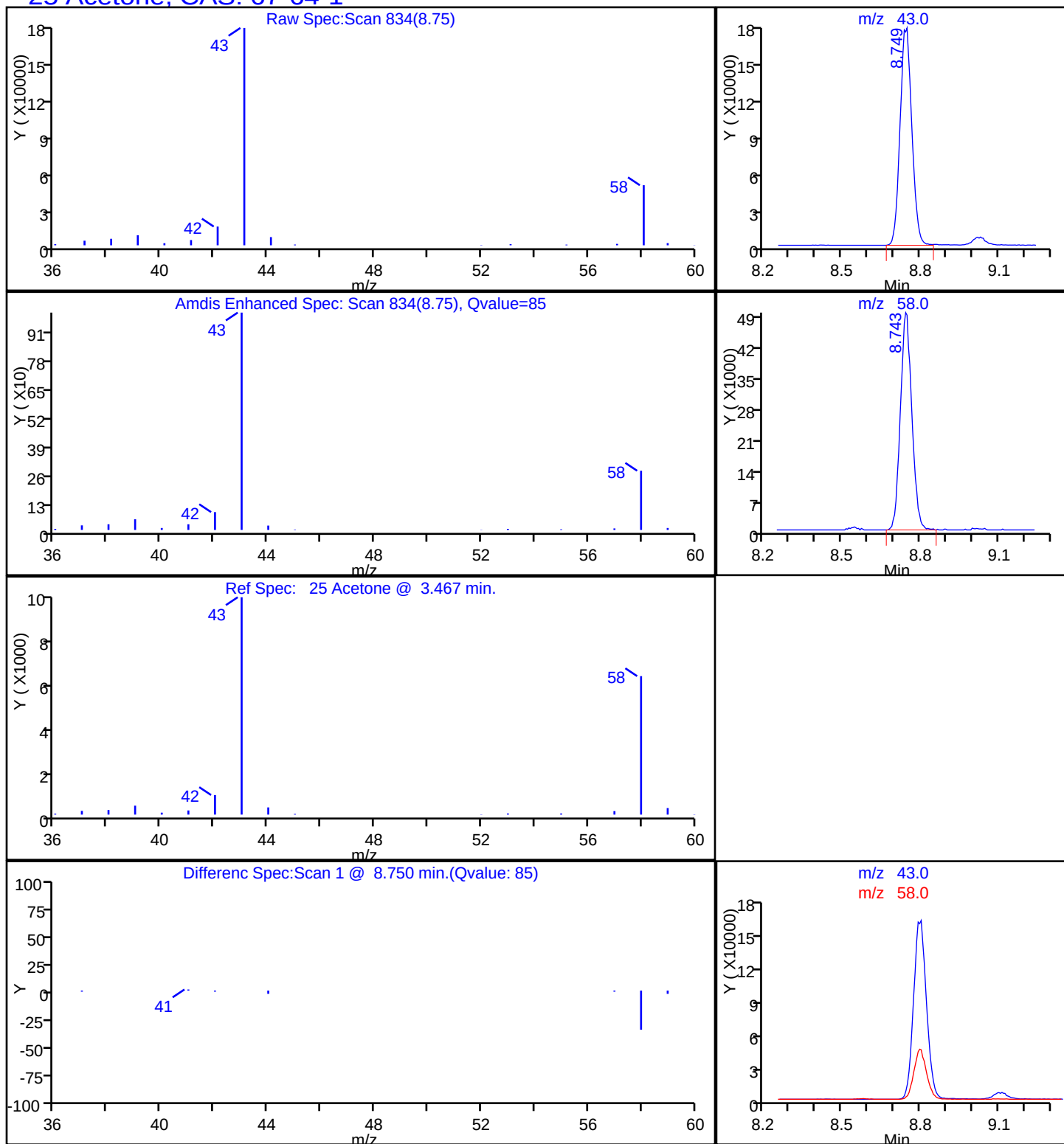
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

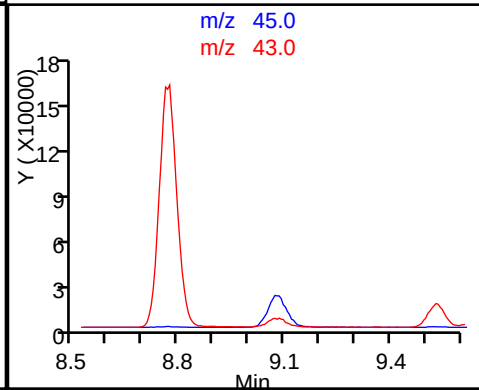
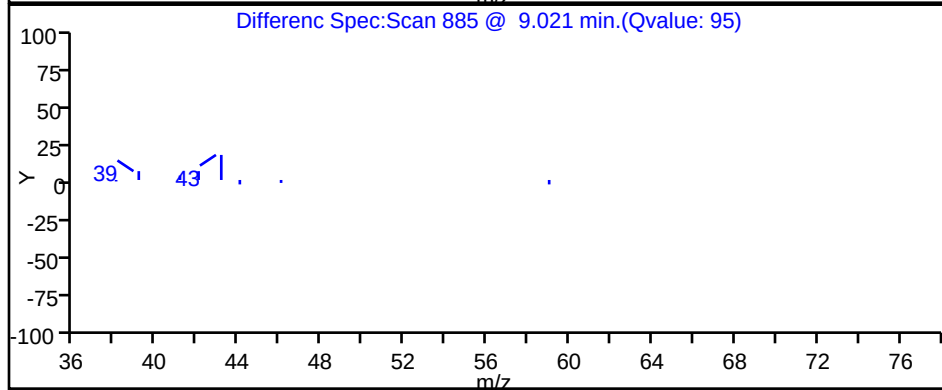
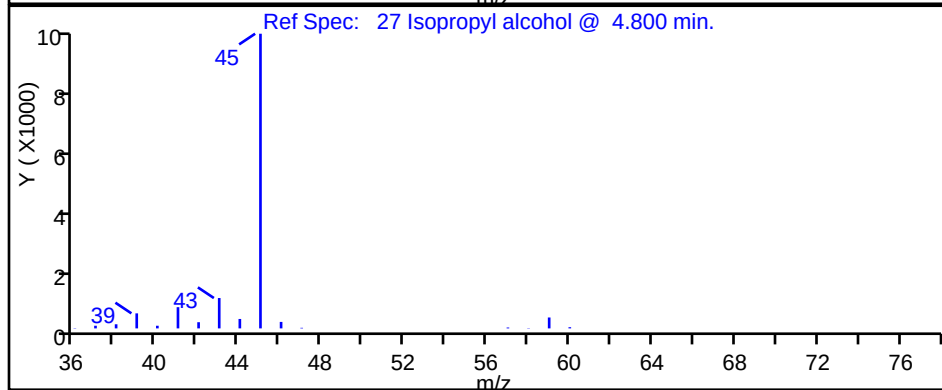
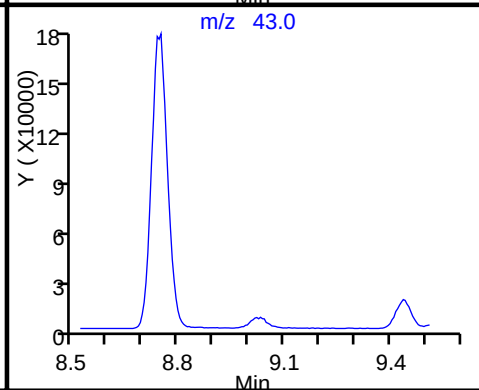
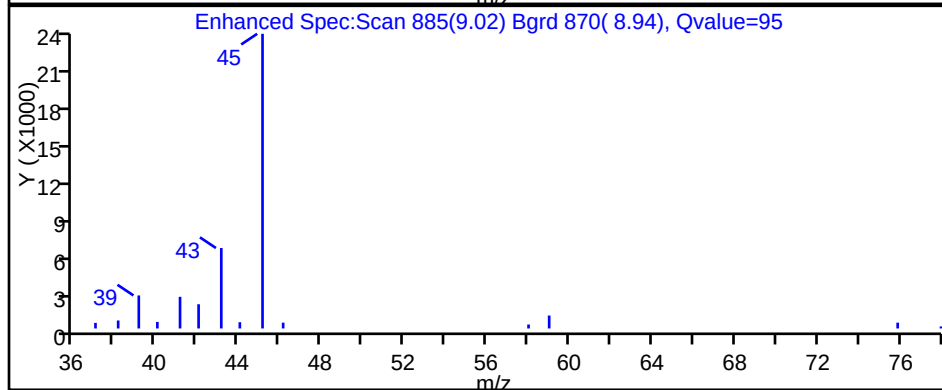
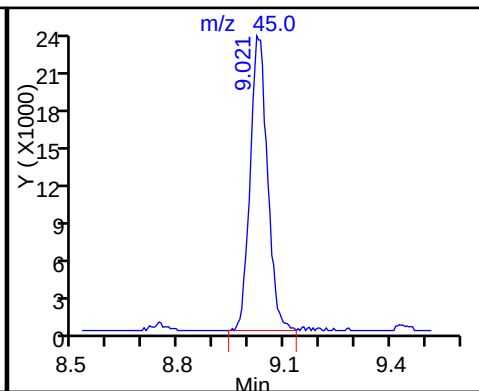
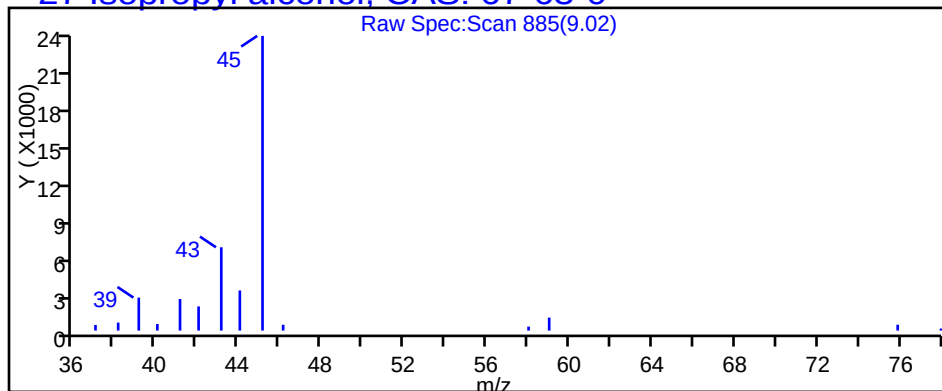
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

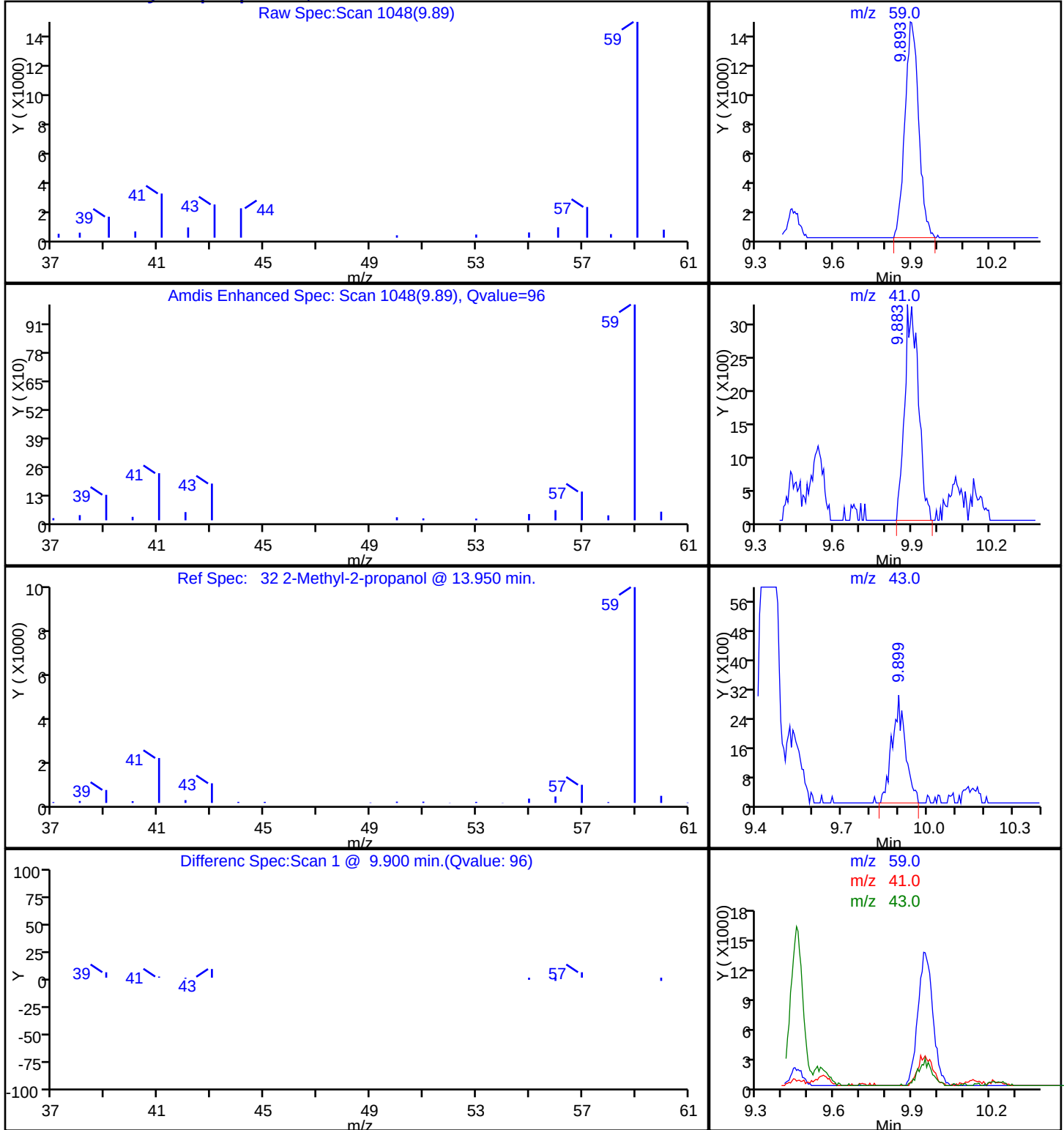
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**32 2-Methyl-2-propanol, CAS: 75-65-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

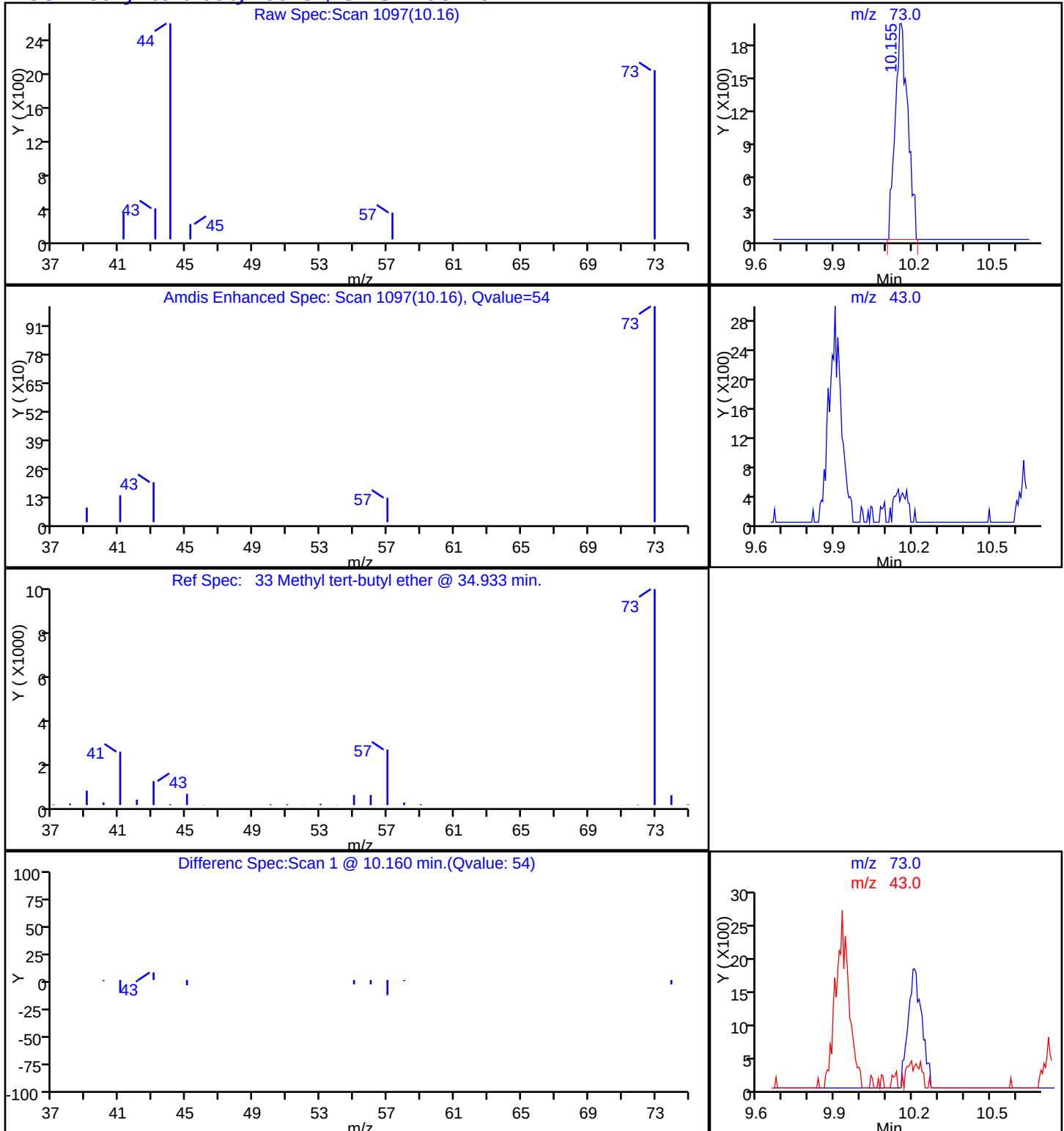
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**33 Methyl tert-butyl ether, CAS: 1634-04-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

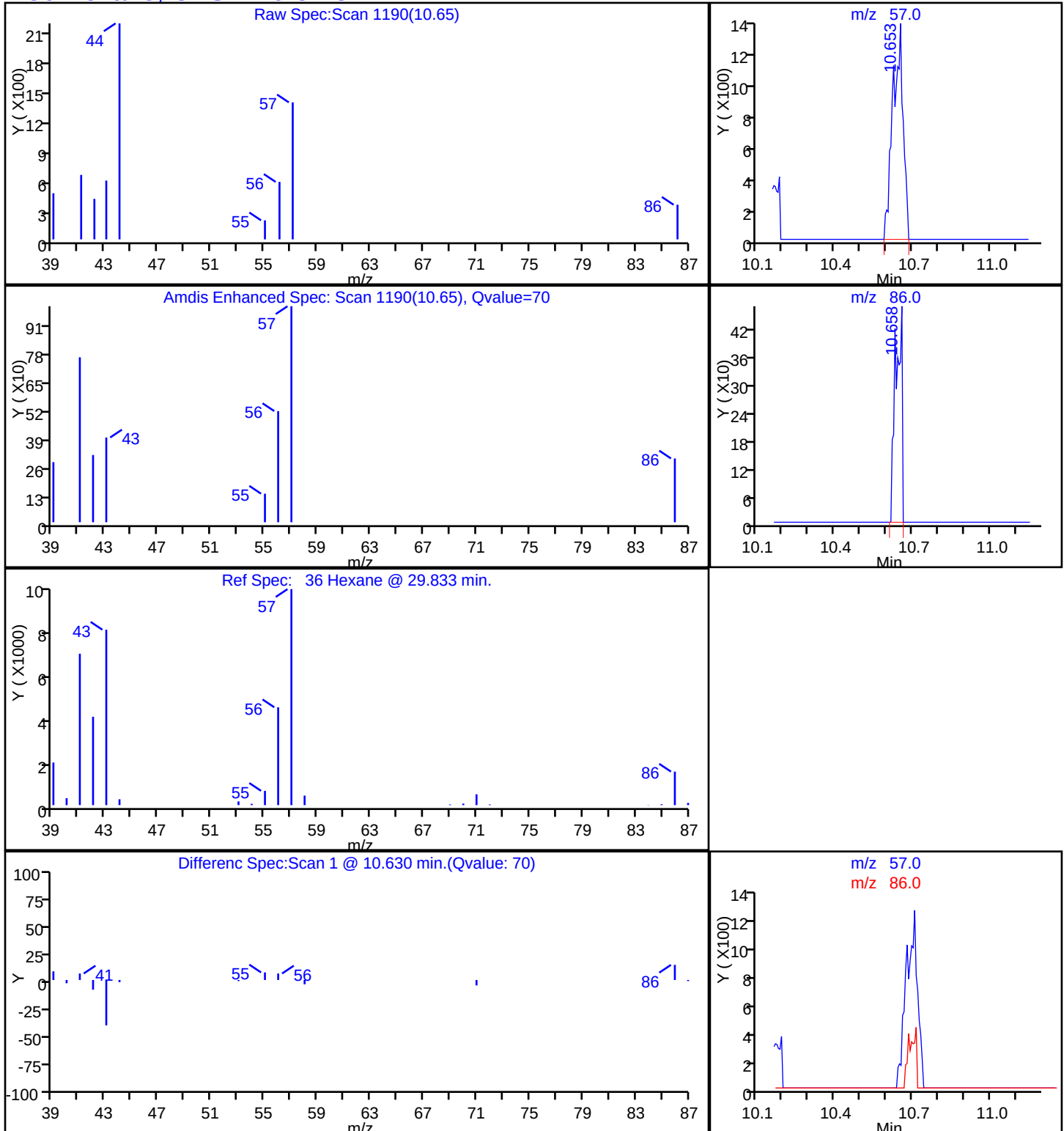
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

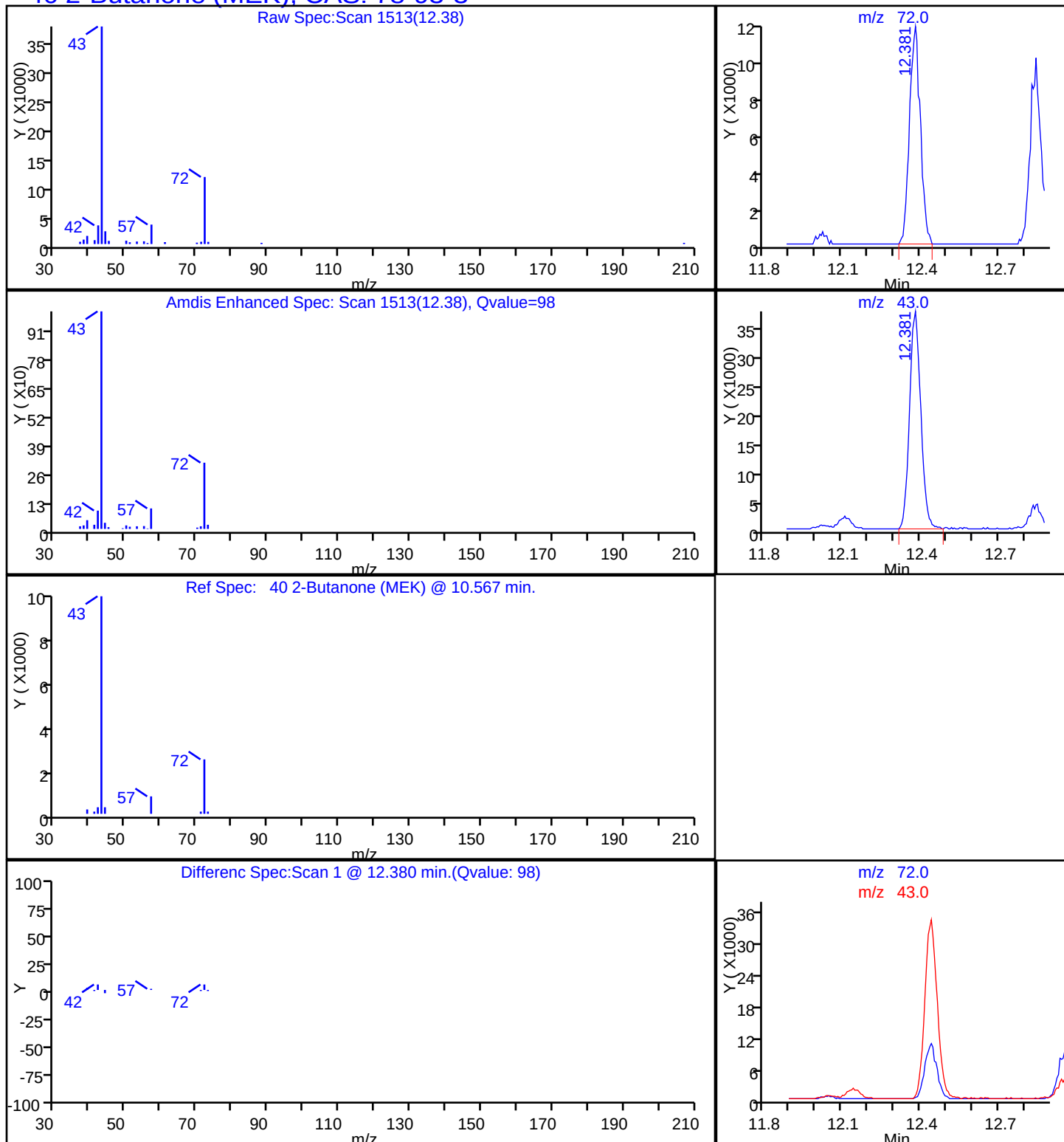
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

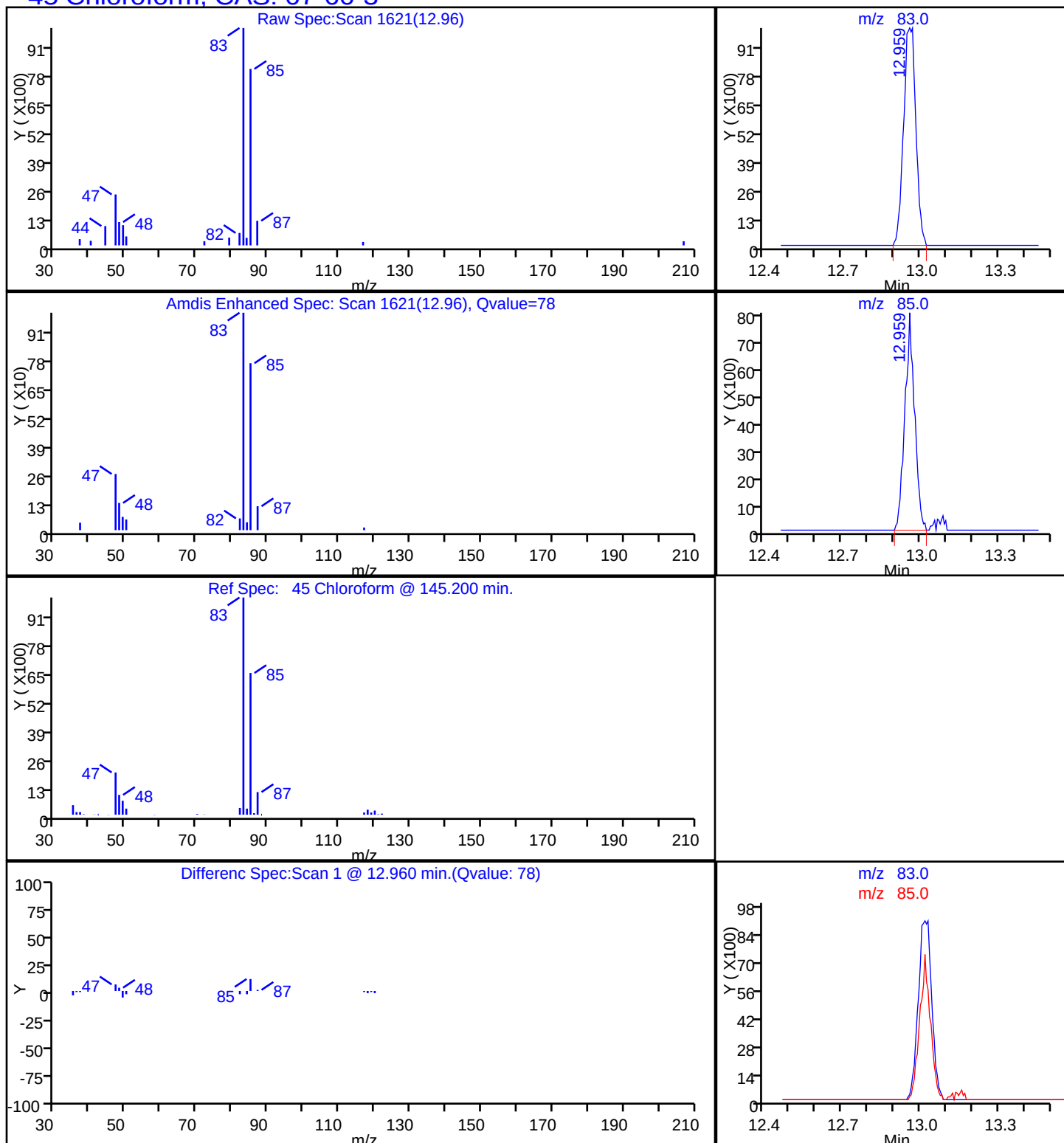
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 45 Chloroform, CAS: 67-66-3





## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

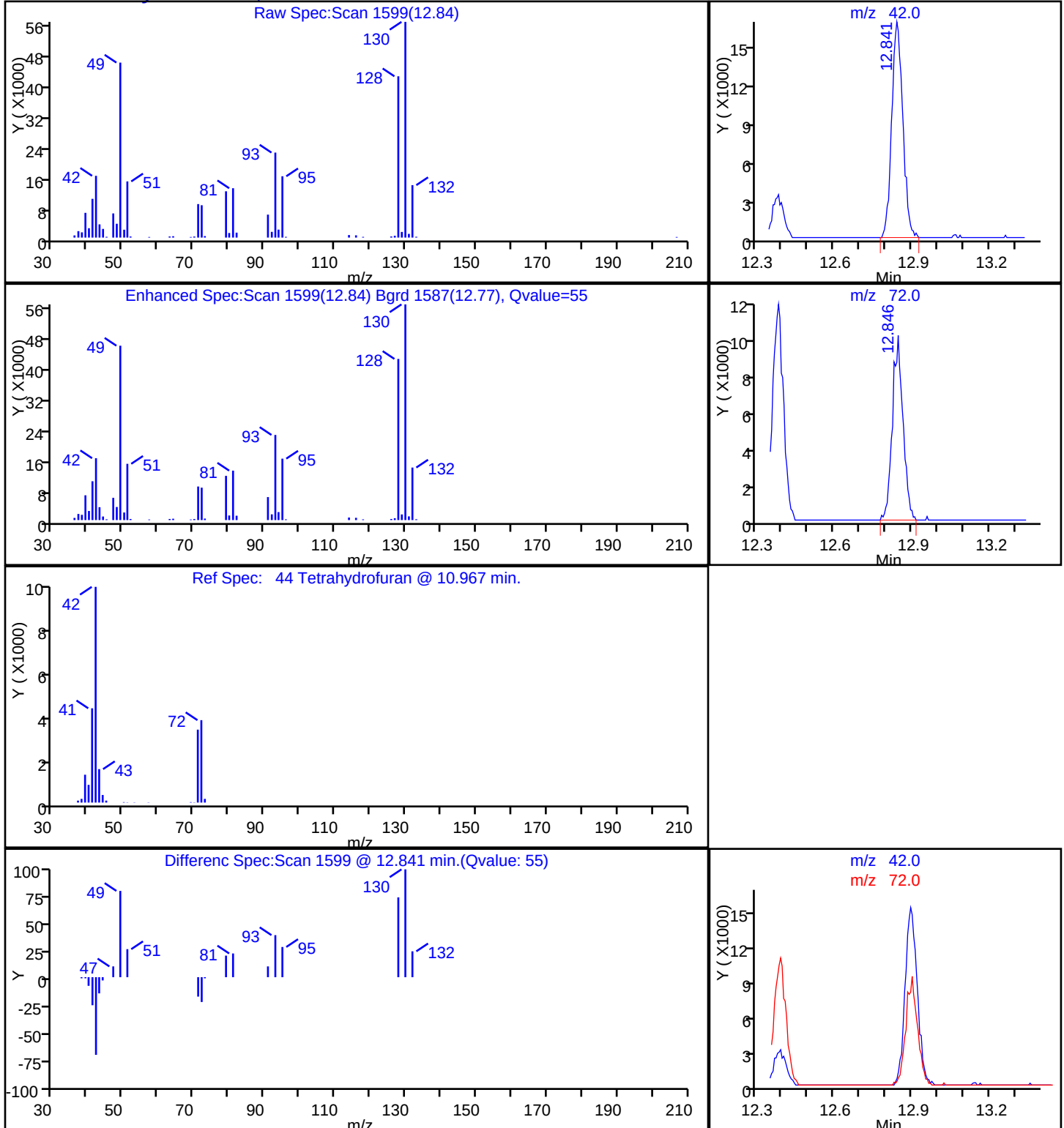
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**44 Tetrahydrofuran, CAS: 109-99-9**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

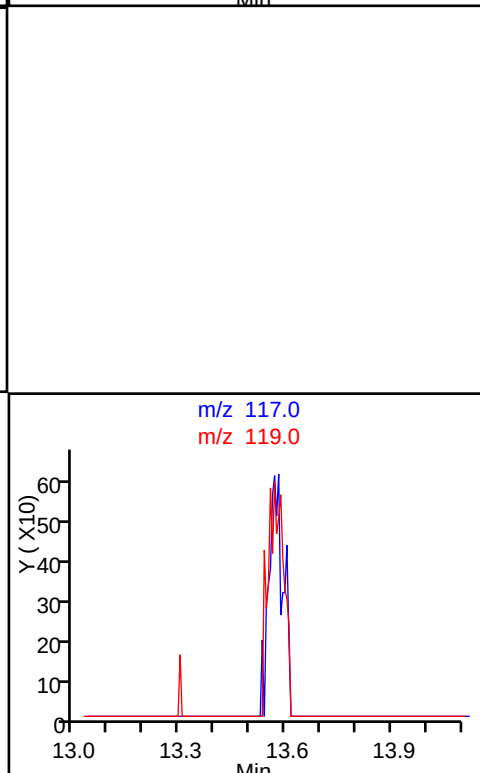
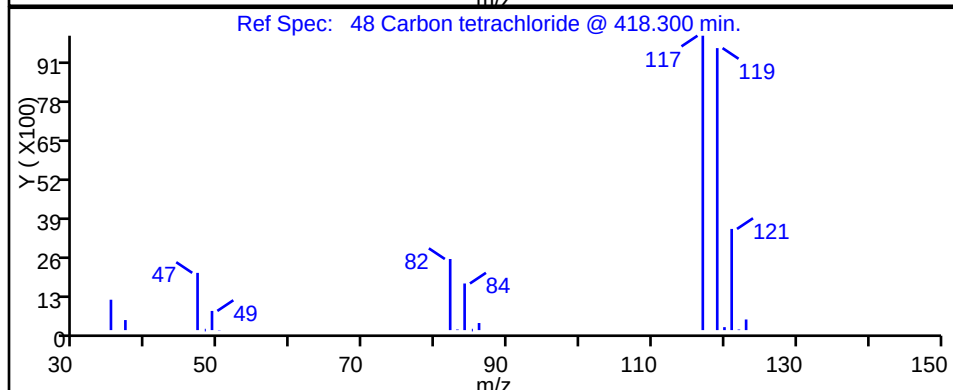
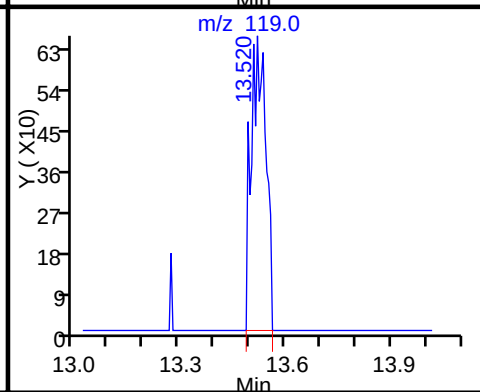
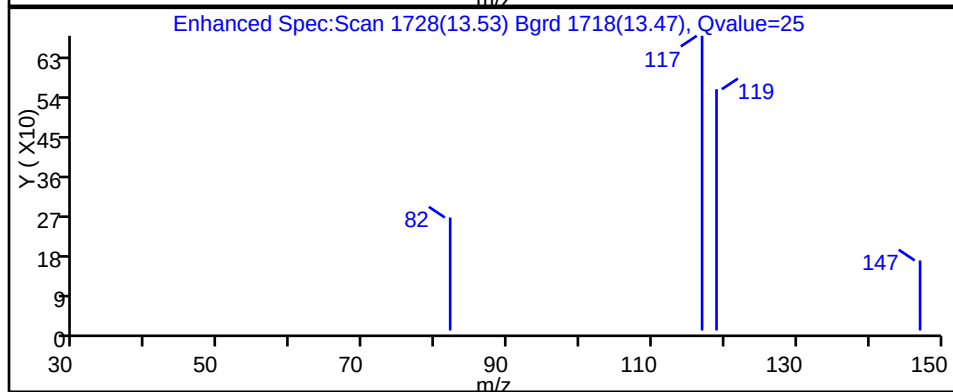
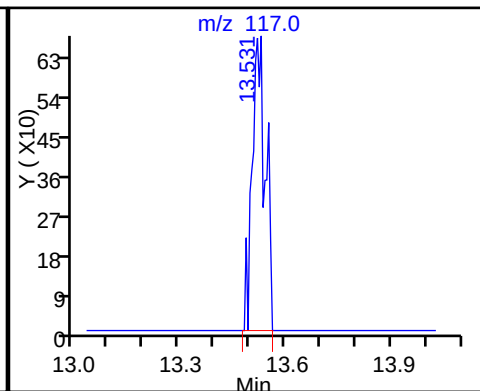
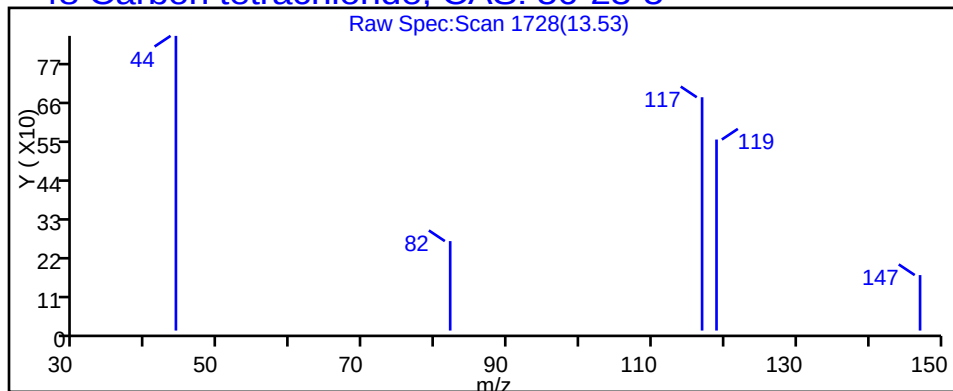
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**48 Carbon tetrachloride, CAS: 56-23-5**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

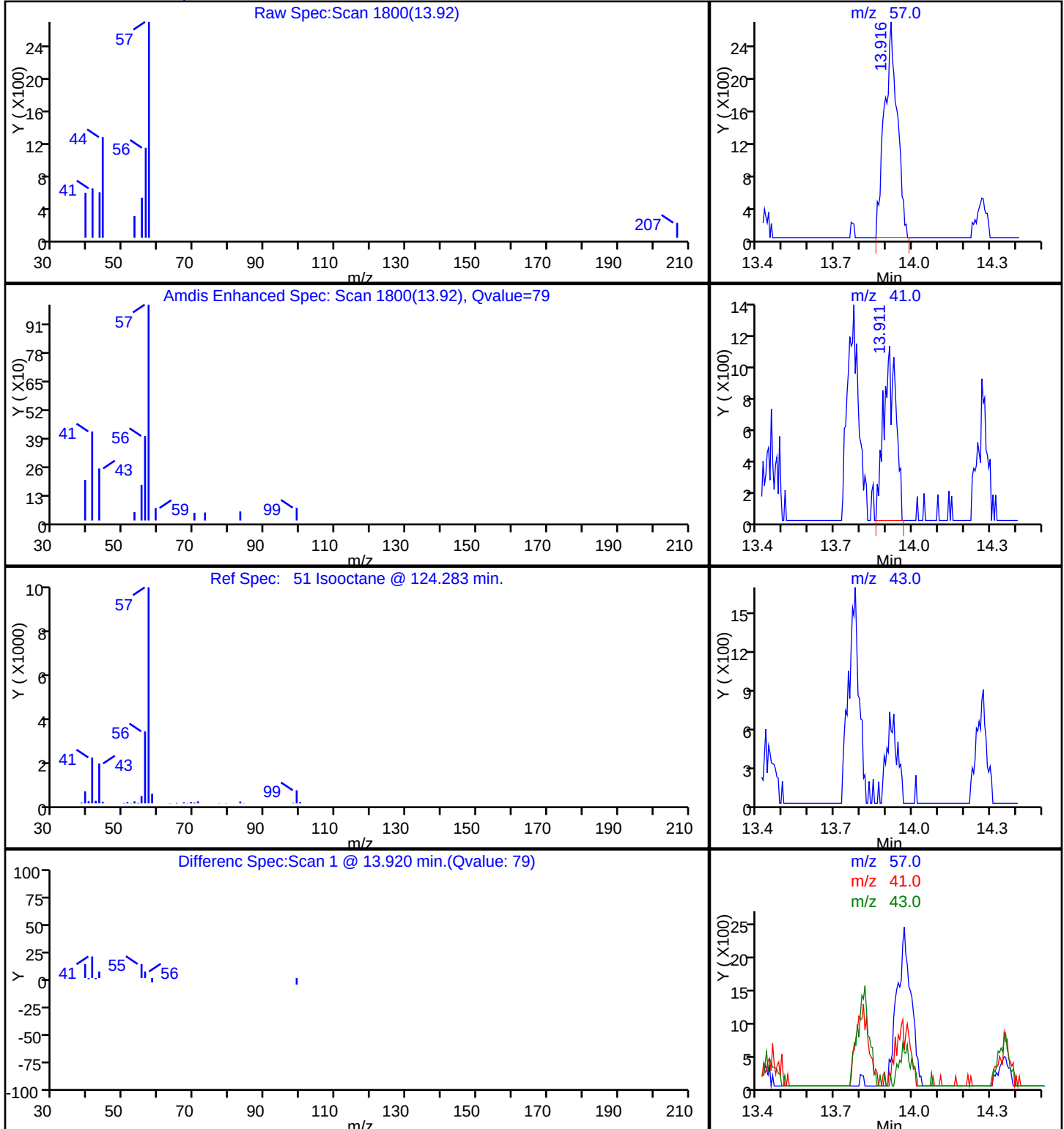
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

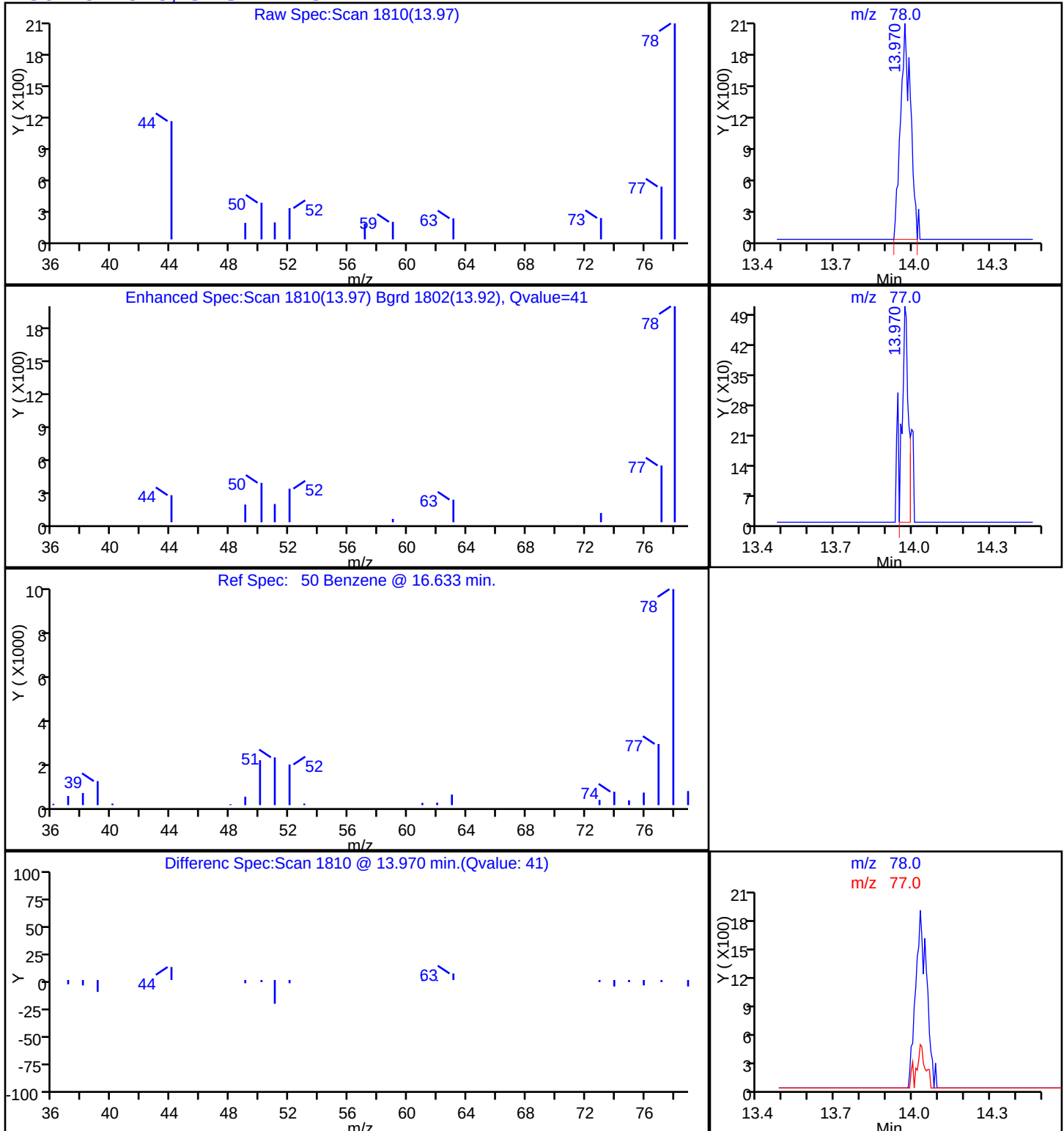
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 50 Benzene, CAS: 71-43-2



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

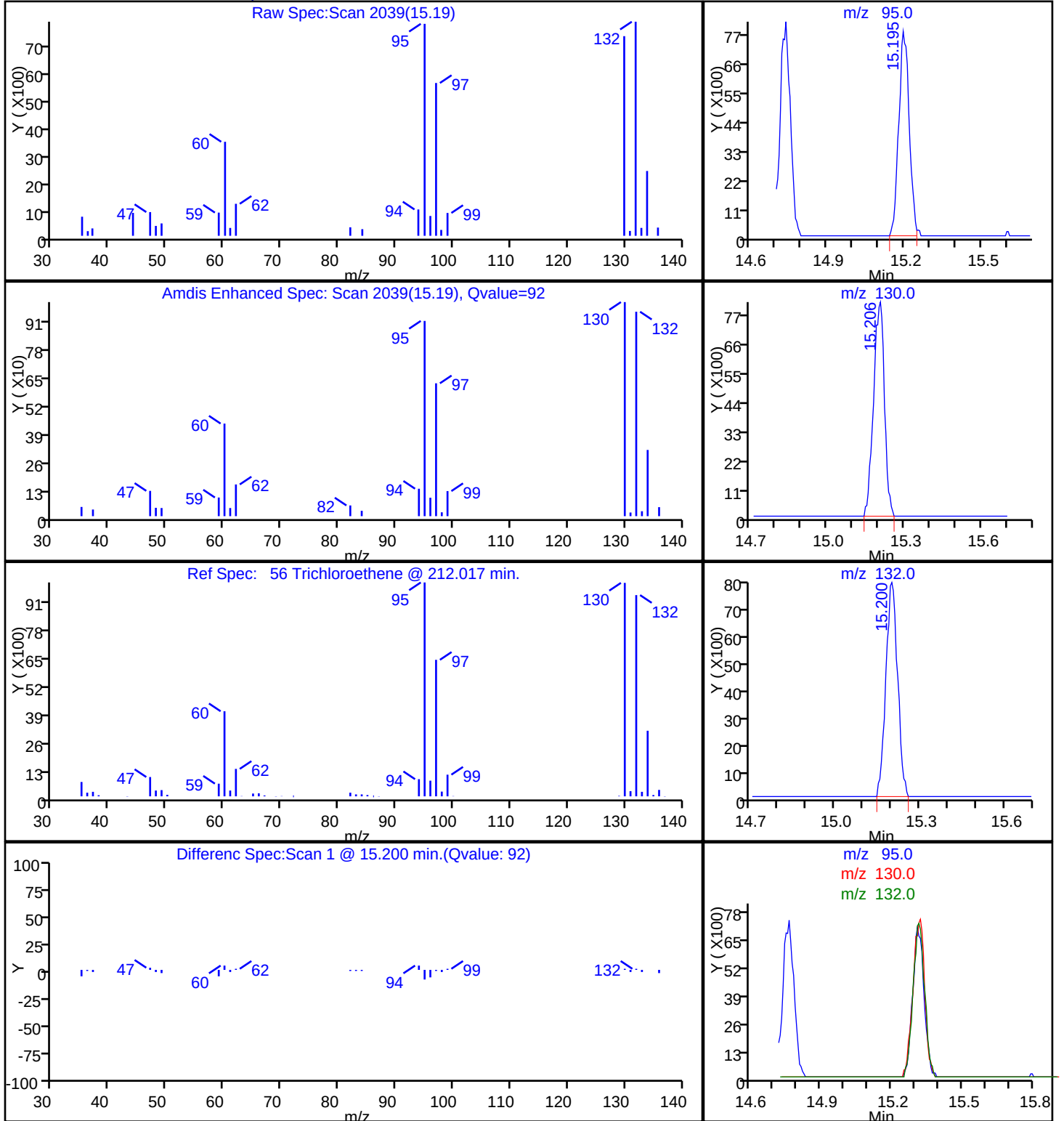
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

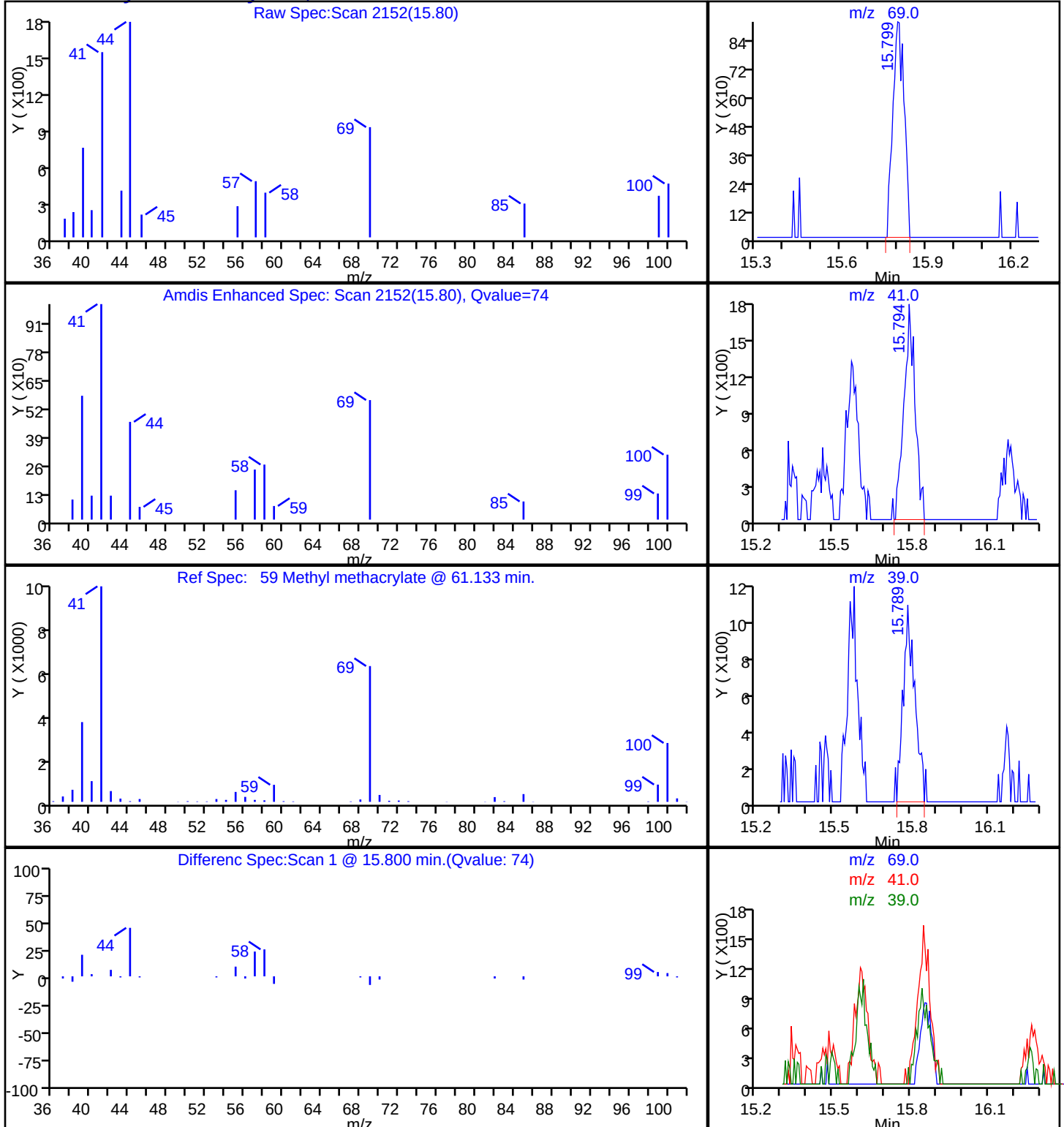
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**59 Methyl methacrylate, CAS: 80-62-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

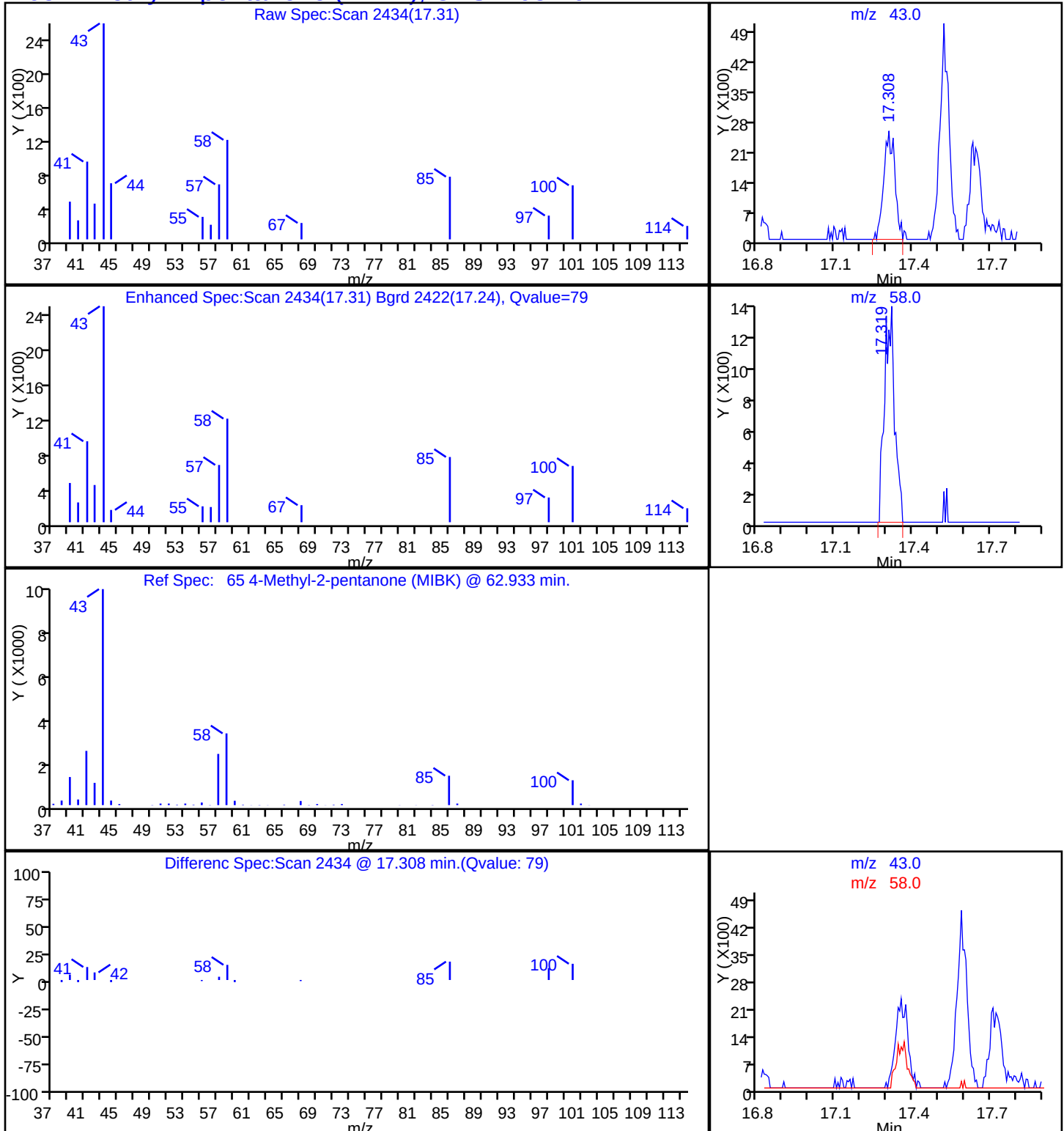
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

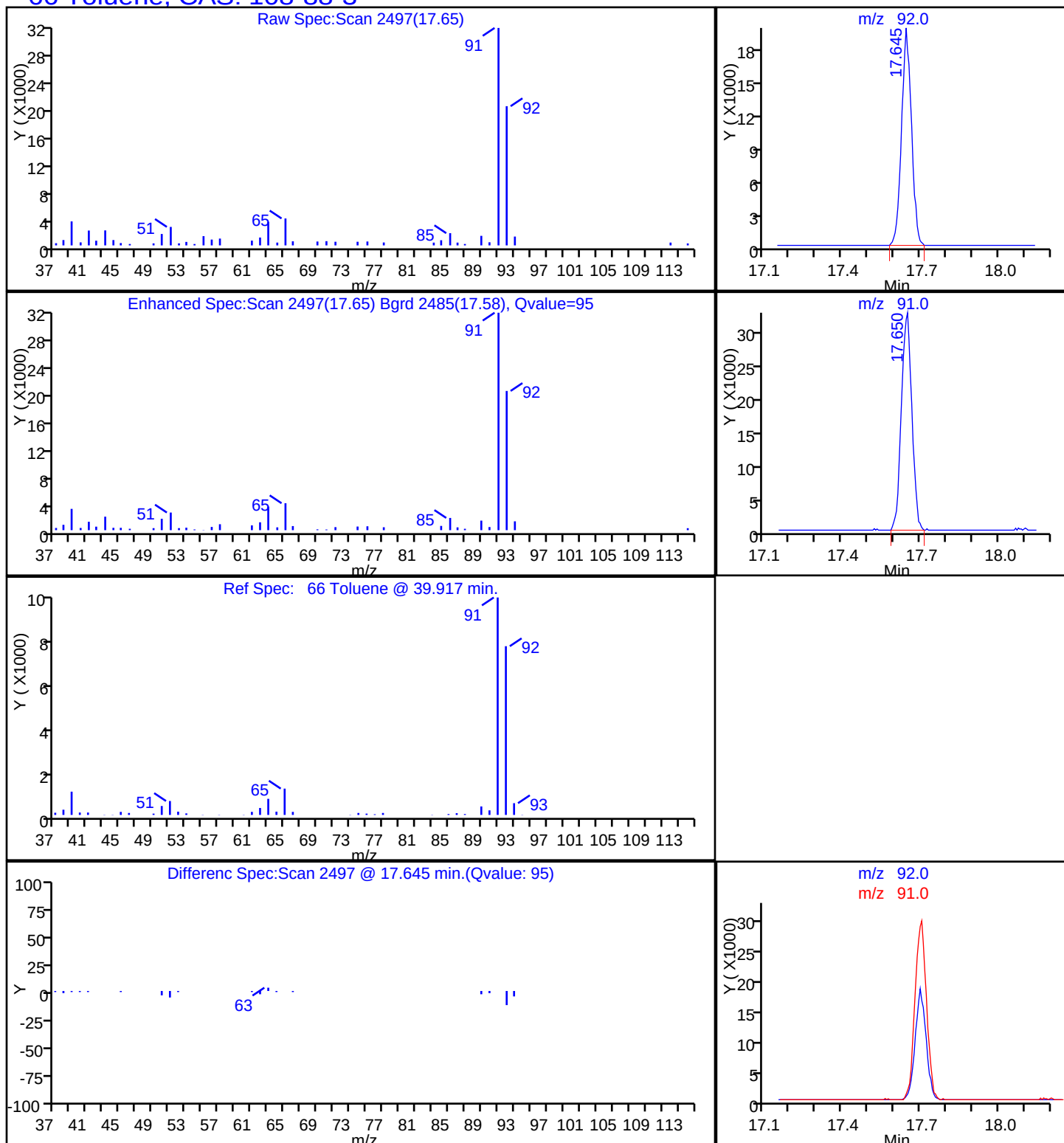
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

Dil. Factor: 4.0000

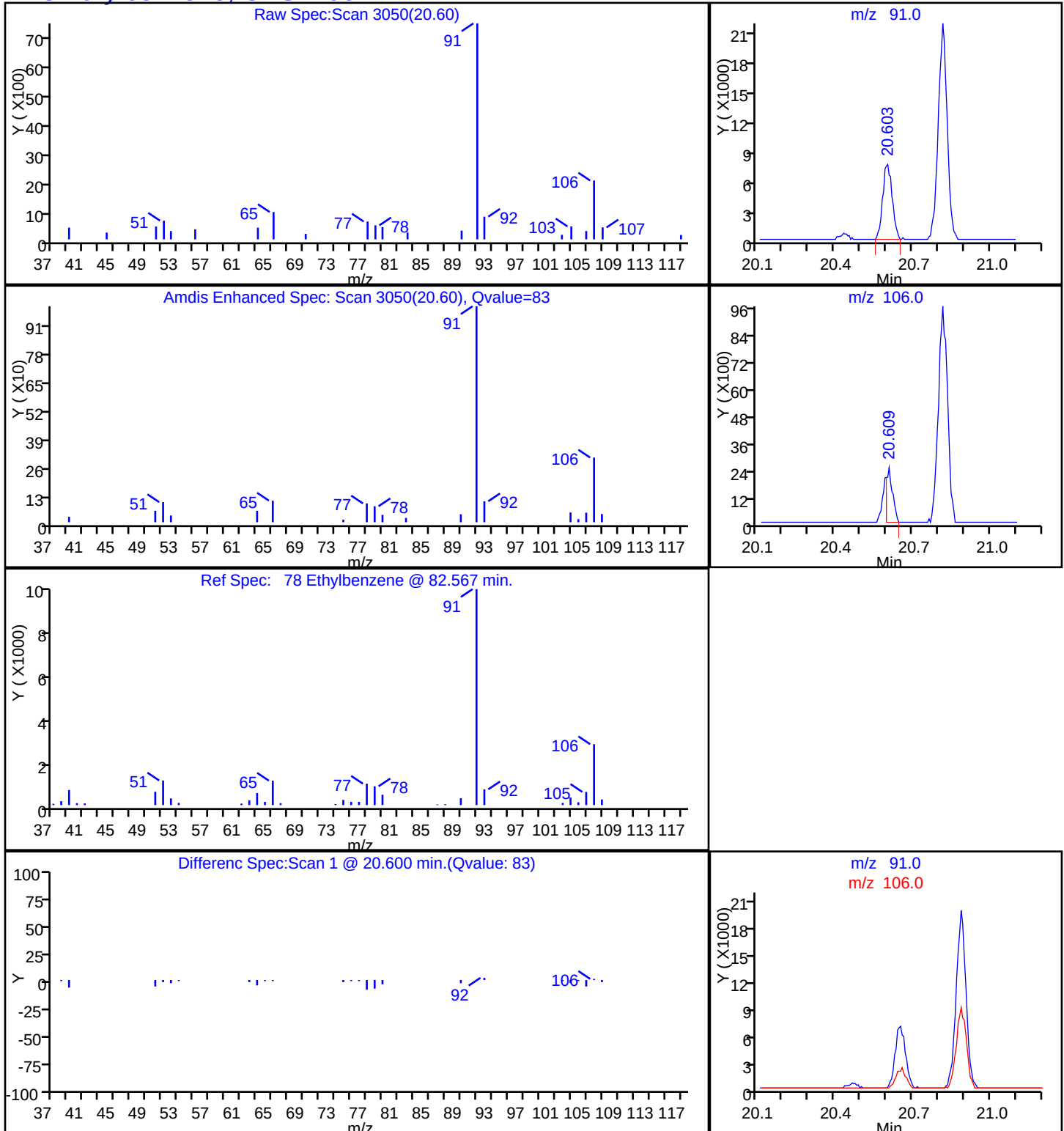
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 78 Ethylbenzene, CAS: 100-41-4



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

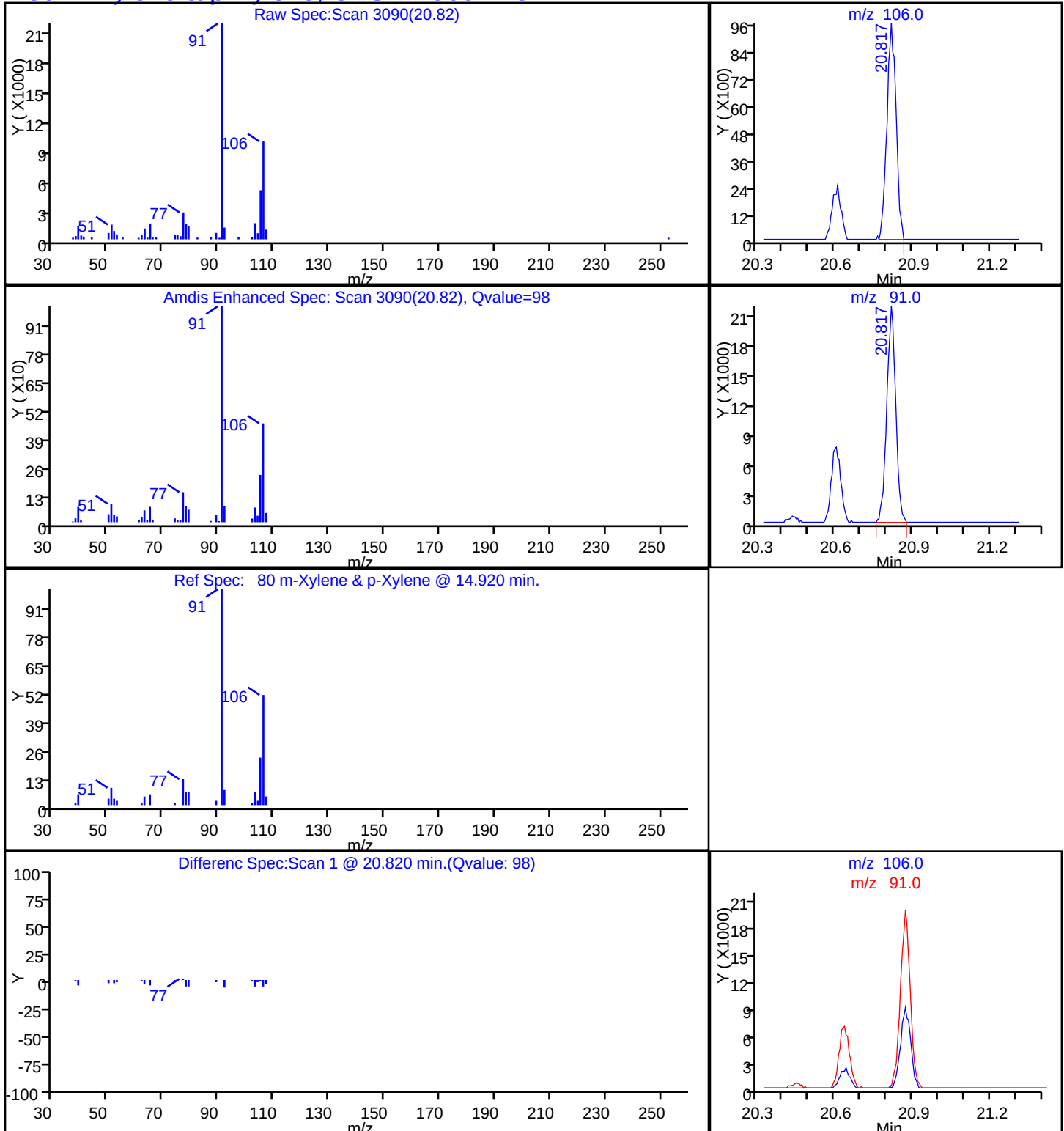
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

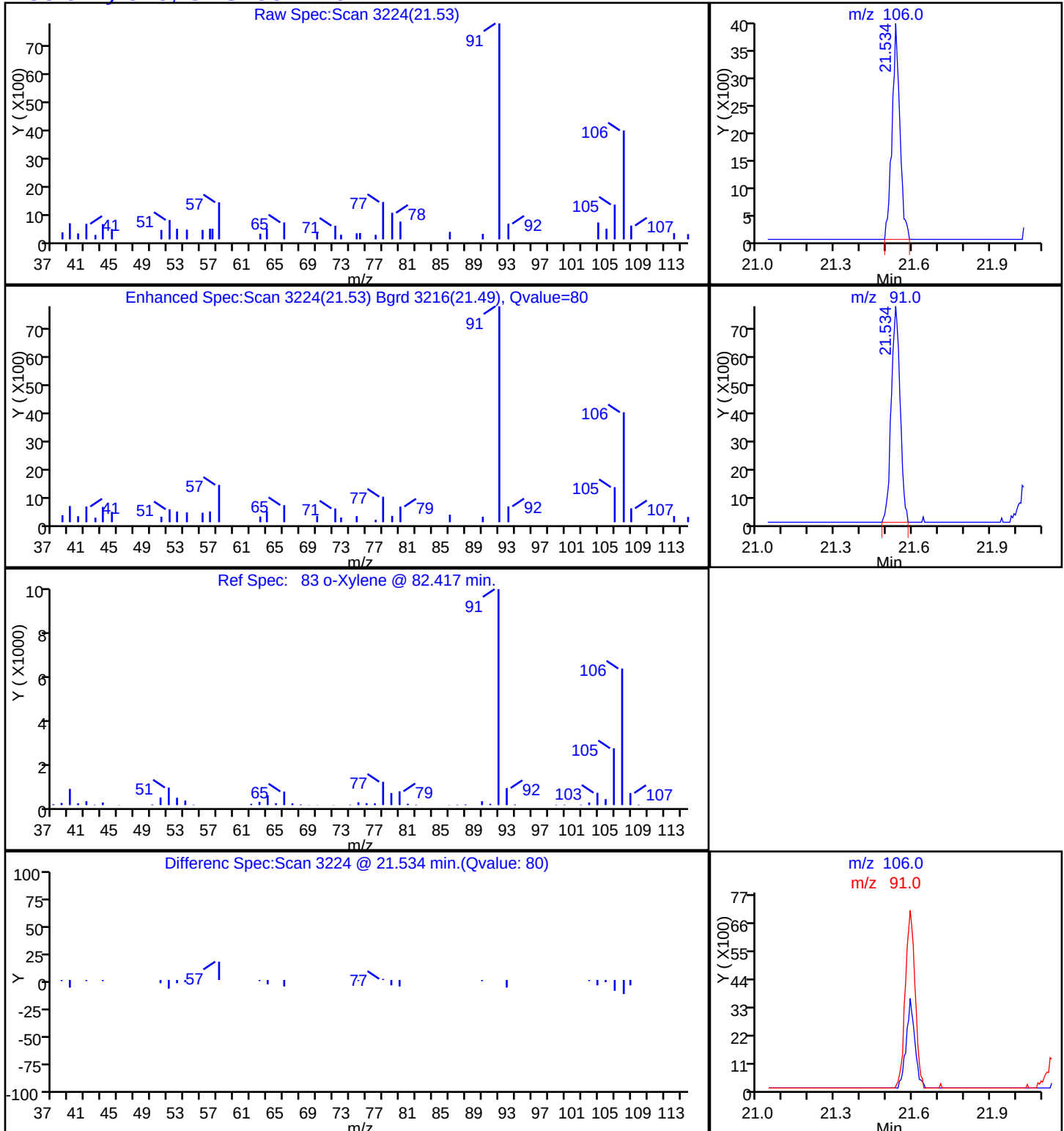
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

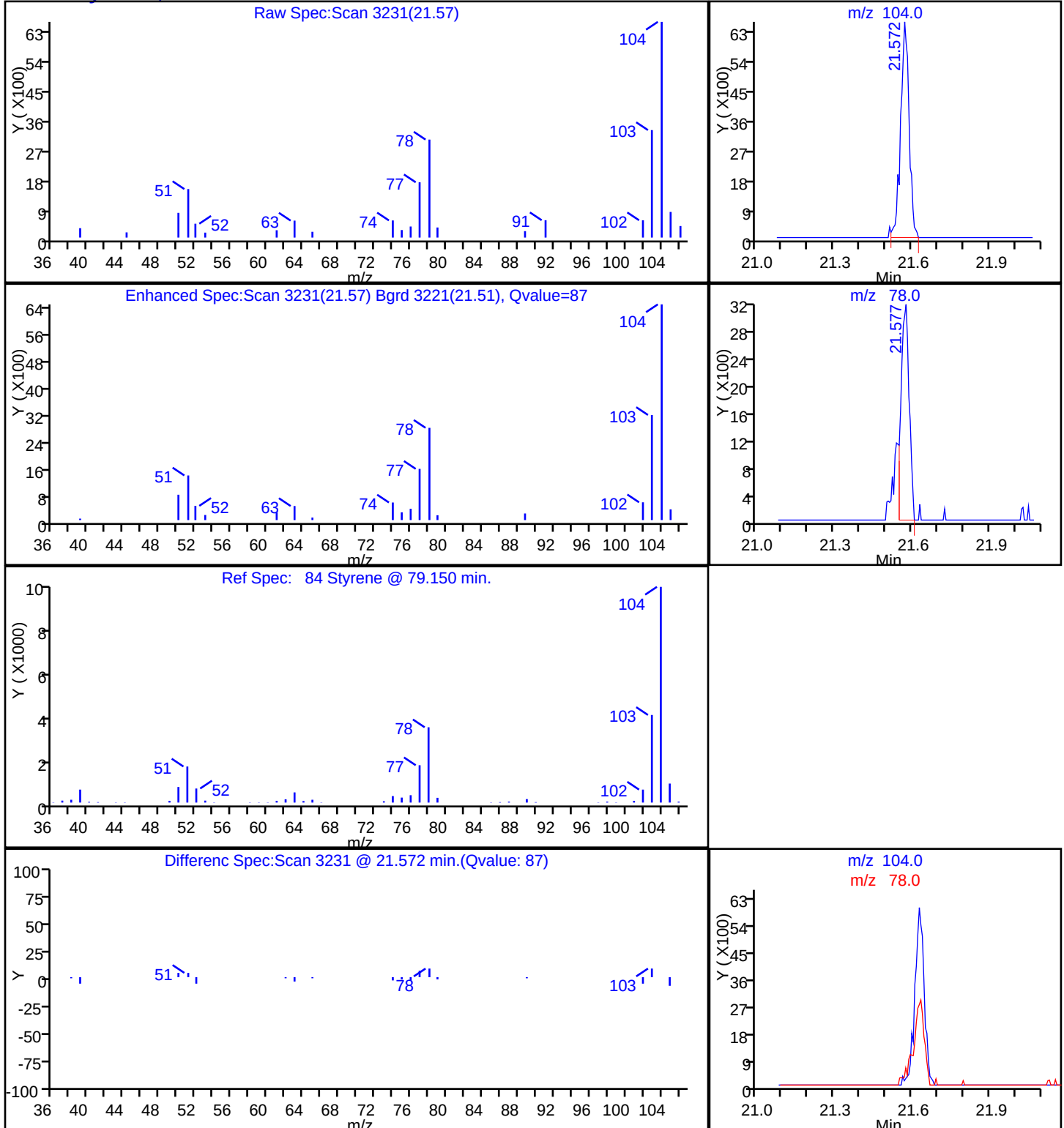
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**84 Styrene, CAS: 100-42-5**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

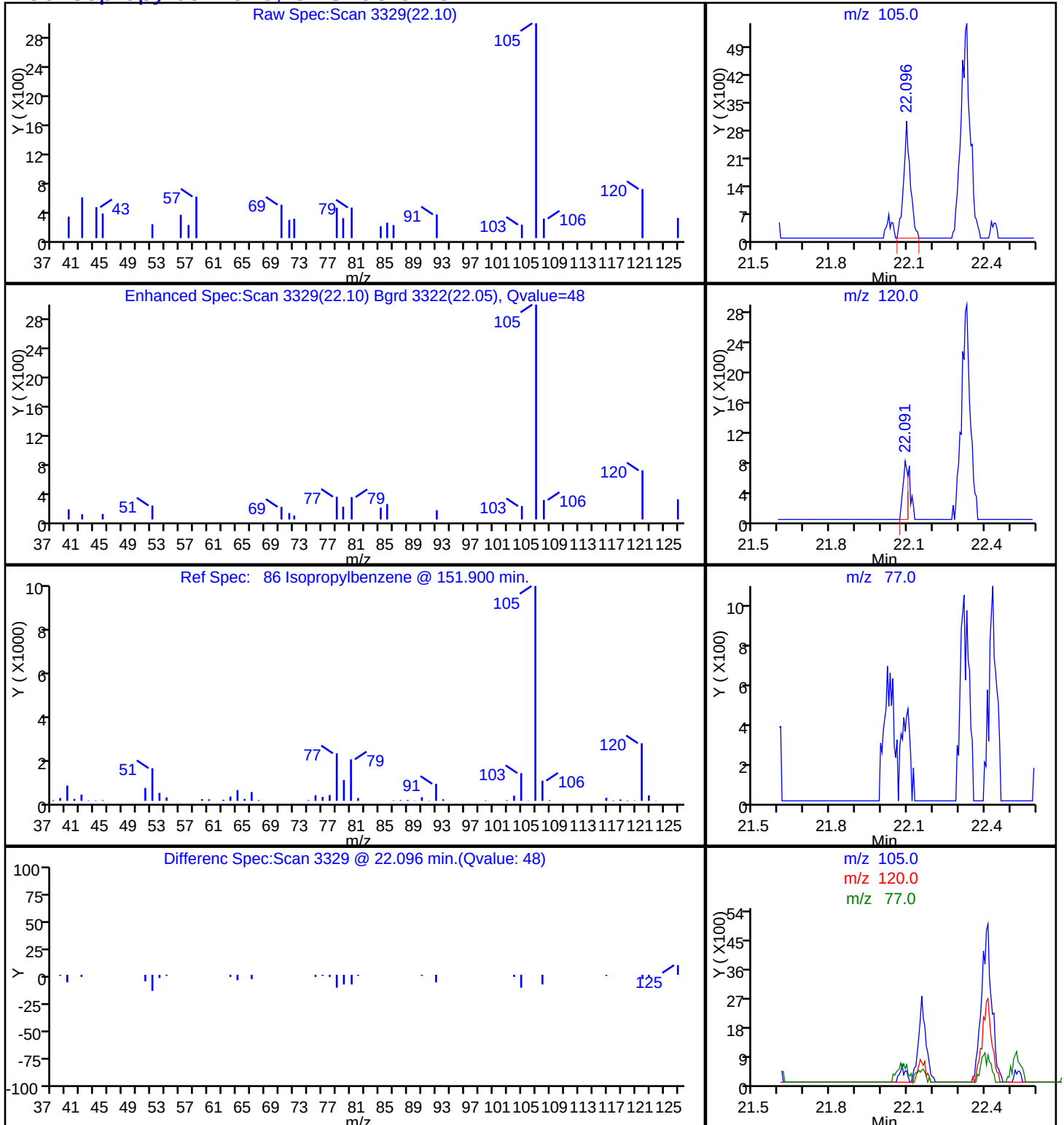
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**86 Isopropylbenzene, CAS: 98-82-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

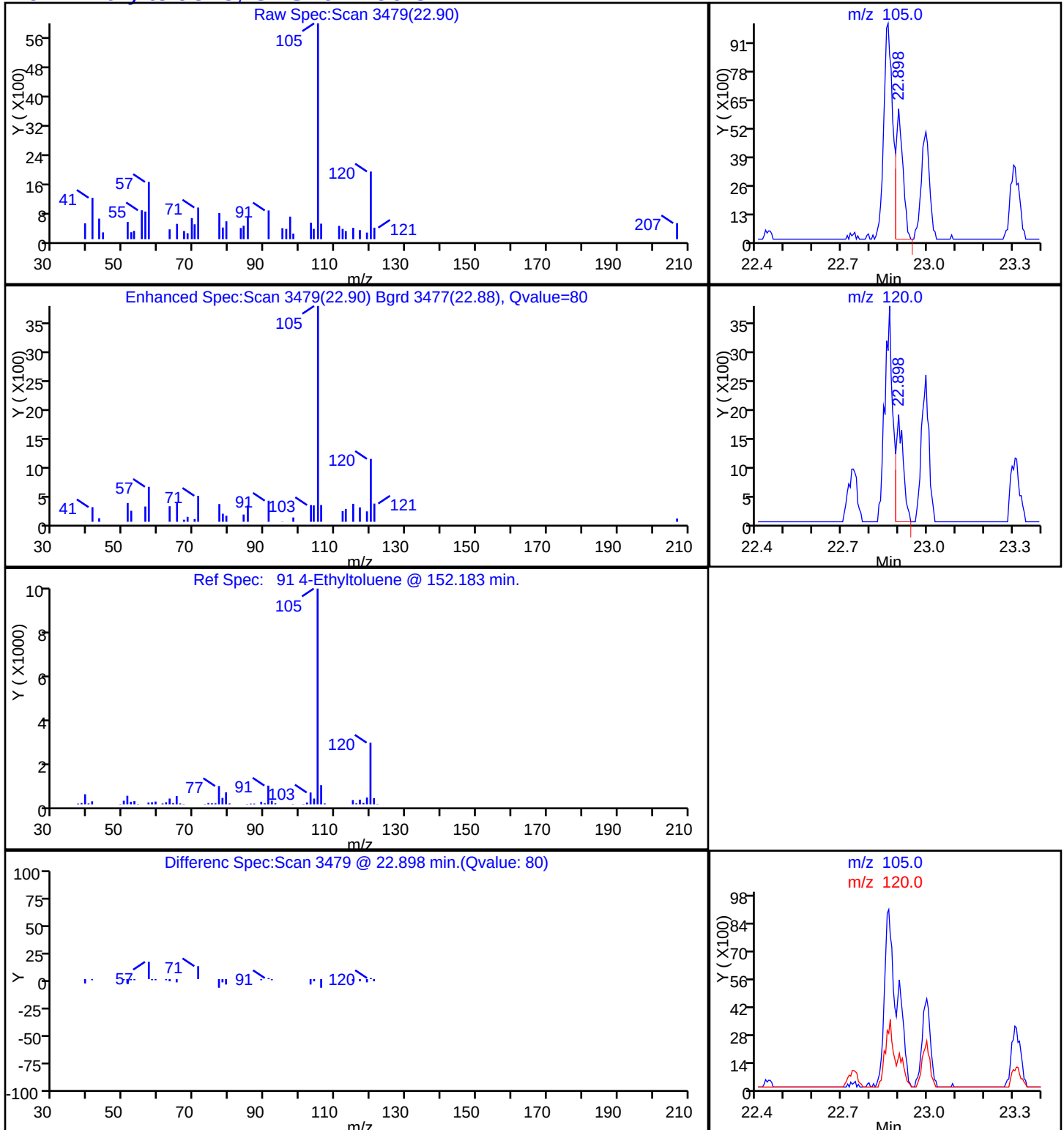
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

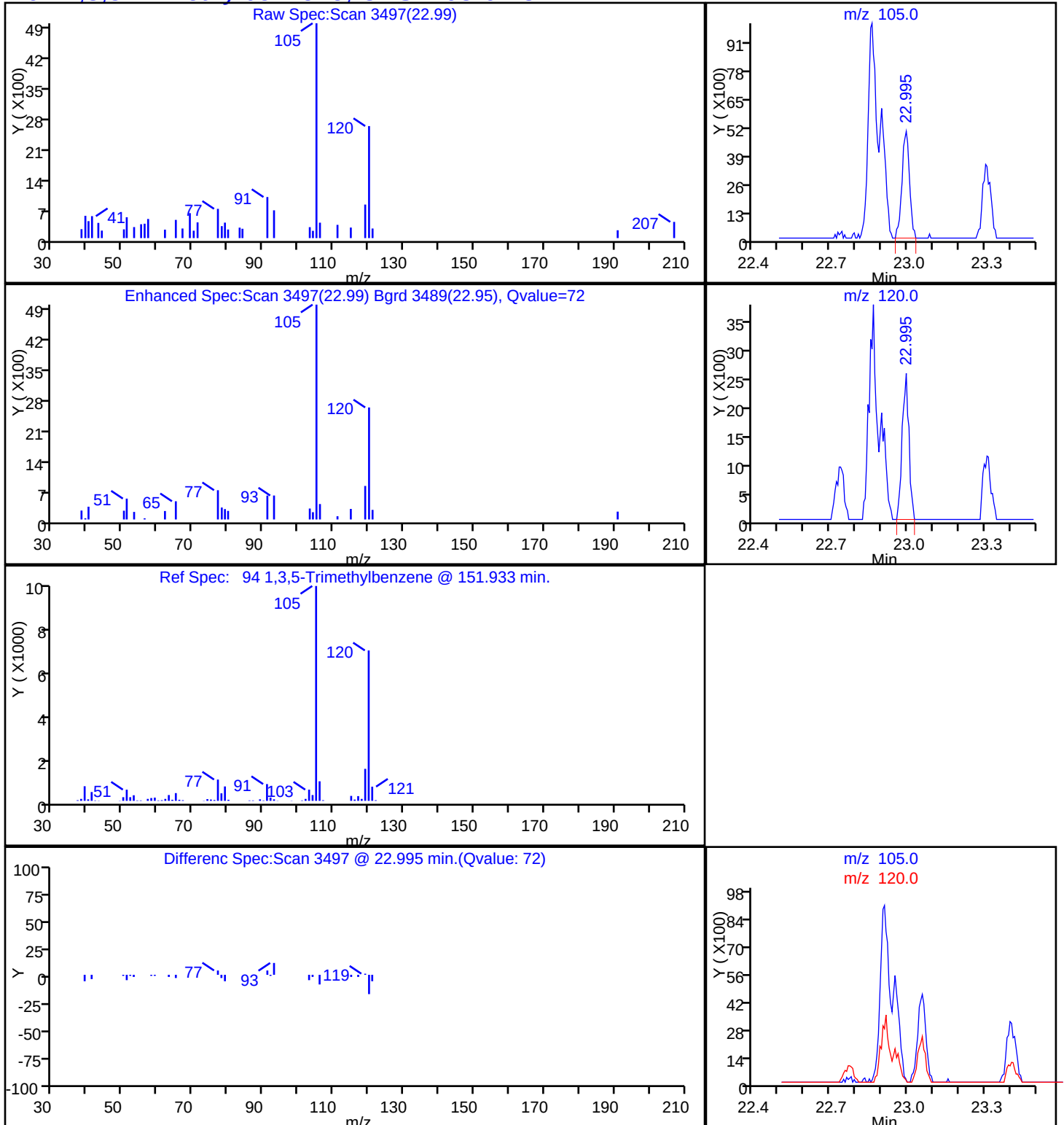
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**94 1,3,5-Trimethylbenzene, CAS: 108-67-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

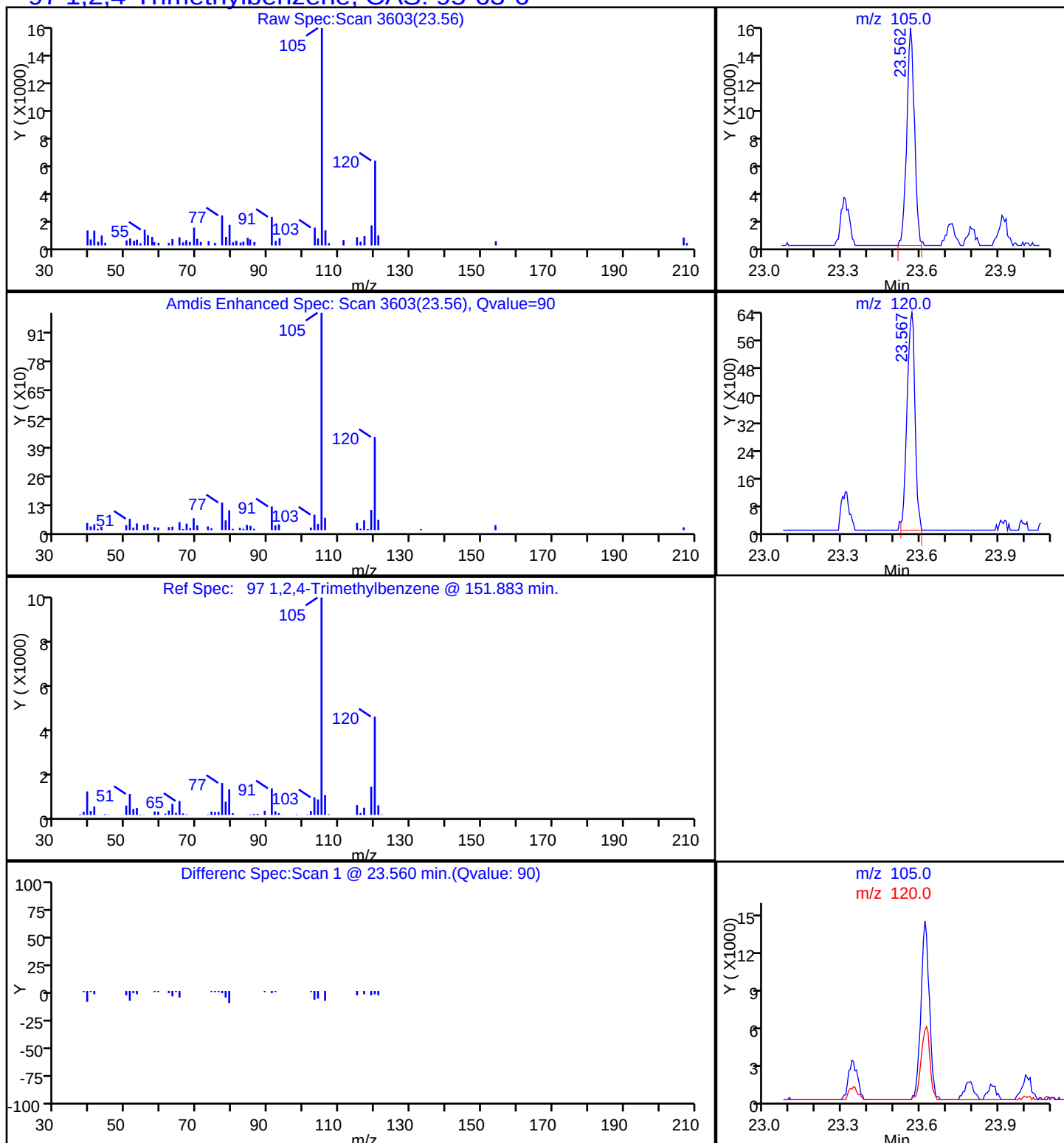
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

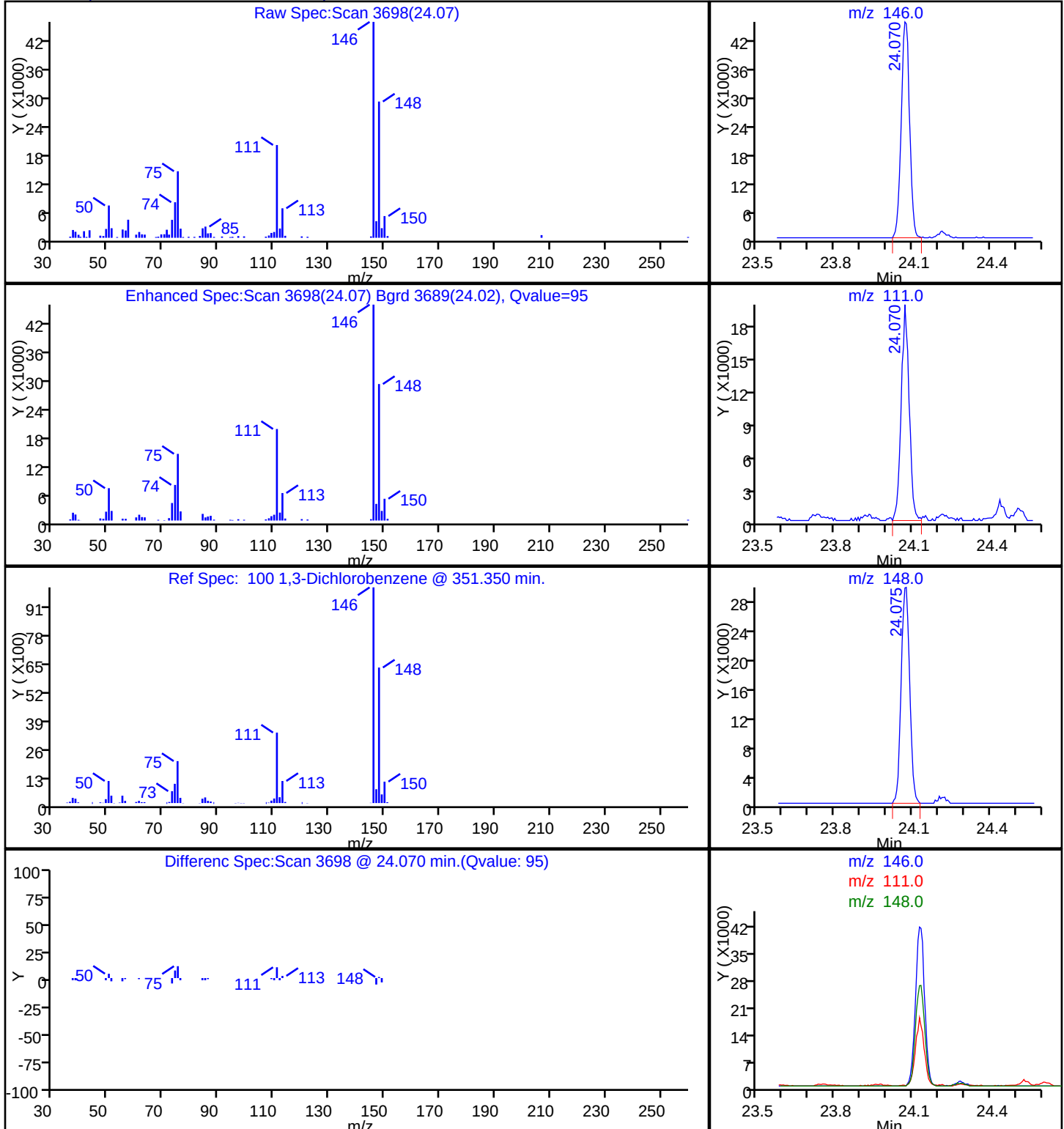
Dil. Factor: 4.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**100 1,3-Dichlorobenzene, CAS: 541-73-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_007.d

Injection Date: 25-Apr-2014 16:51:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-1

Lab Sample ID: 200-54595-1

Client ID: 101VMP0101CA

Operator ID: pad

ALS Bottle#: 4

Worklist Smp#: 8

Purge Vol: 200.000 mL

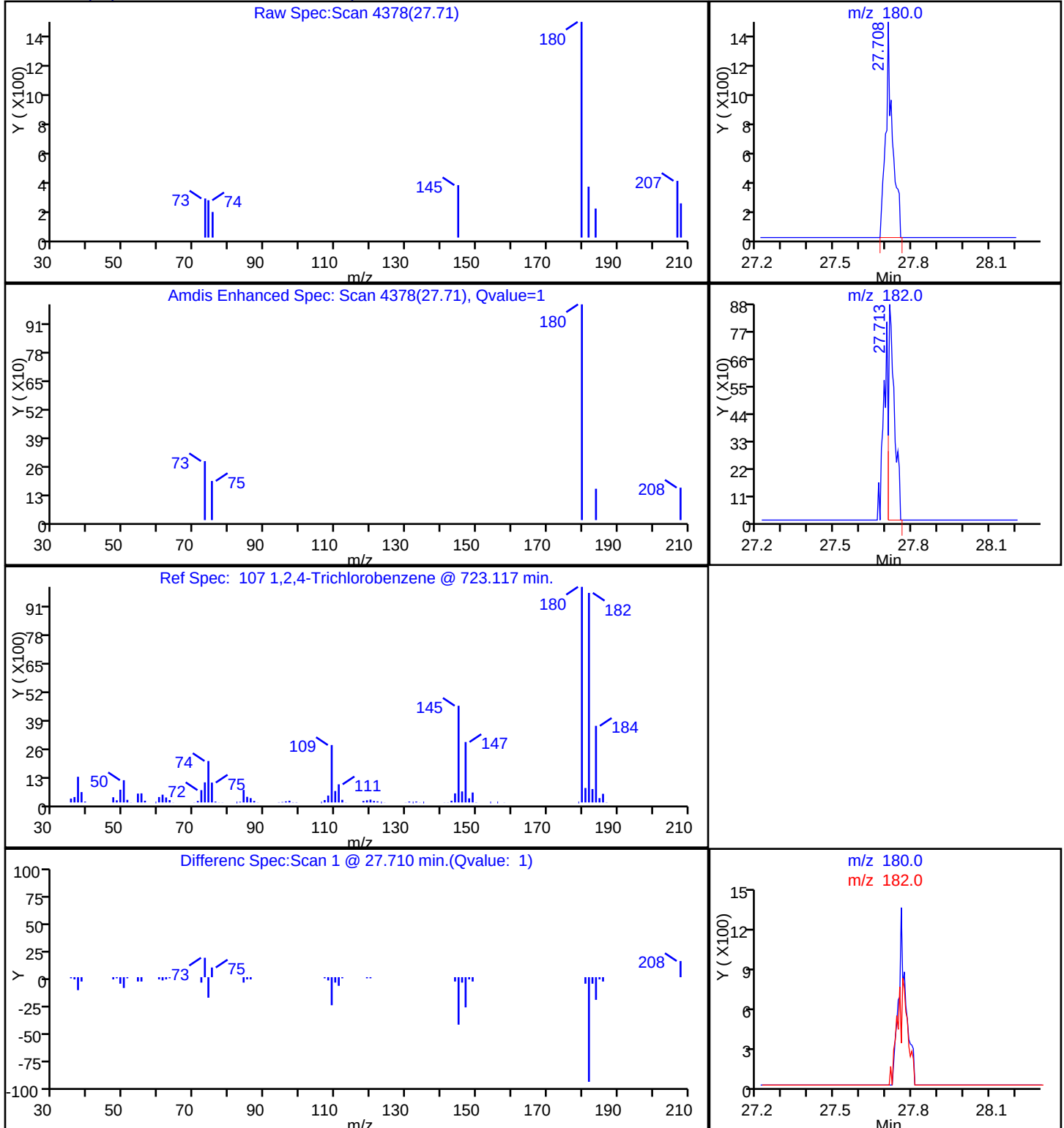
Dil. Factor: 4.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**107 1,2,4-Trichlorobenzene, CAS: 120-82-1**

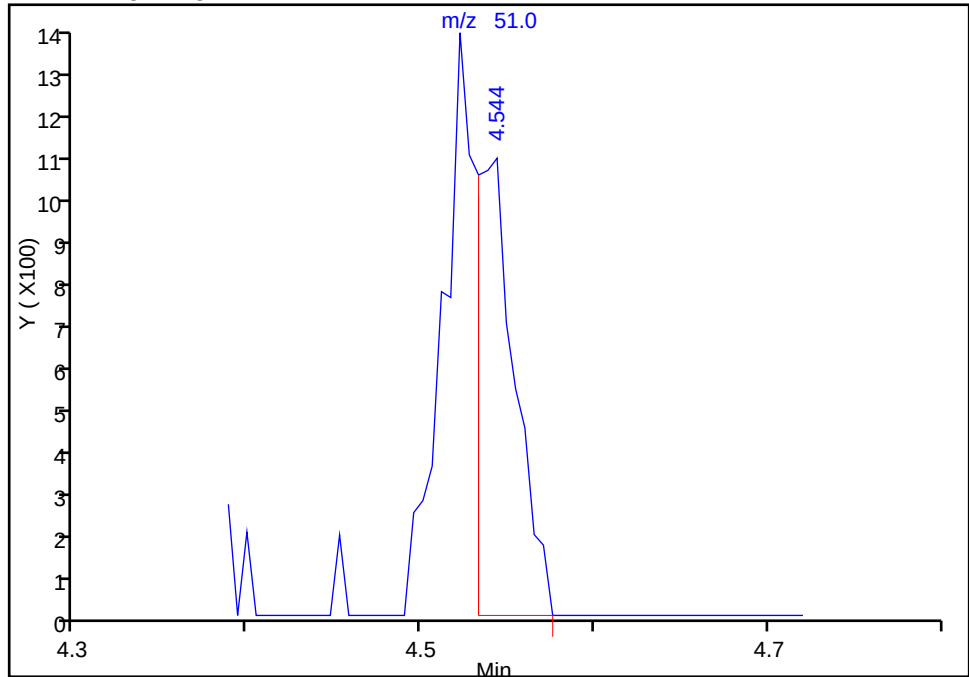
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_007.d |                |              |
| Injection Date: | 25-Apr-2014 16:51:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-1                                          | Lab Sample ID: | 200-54595-1  |
| Client ID:      | 101VMP0101CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 4            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 4.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 8            |

## 6 Chlorodifluoromethane, CAS: 75-45-6

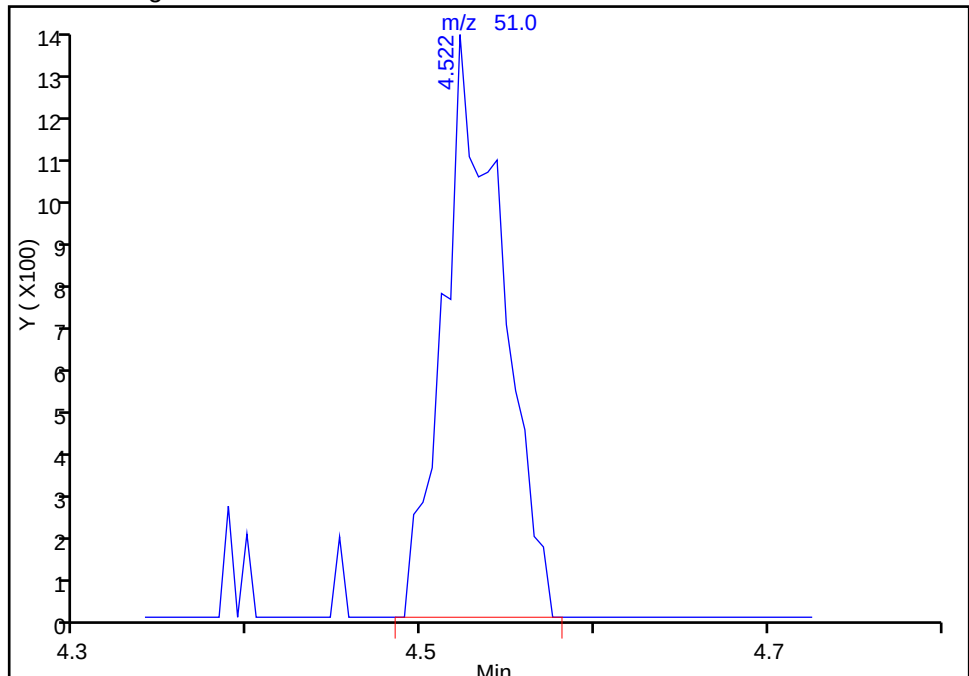
RT: 4.54  
Response: 1678  
Amount: 0.068908

## Processing Integration Results



RT: 4.52  
Response: 3242  
Amount: 0.133135

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:25:48  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

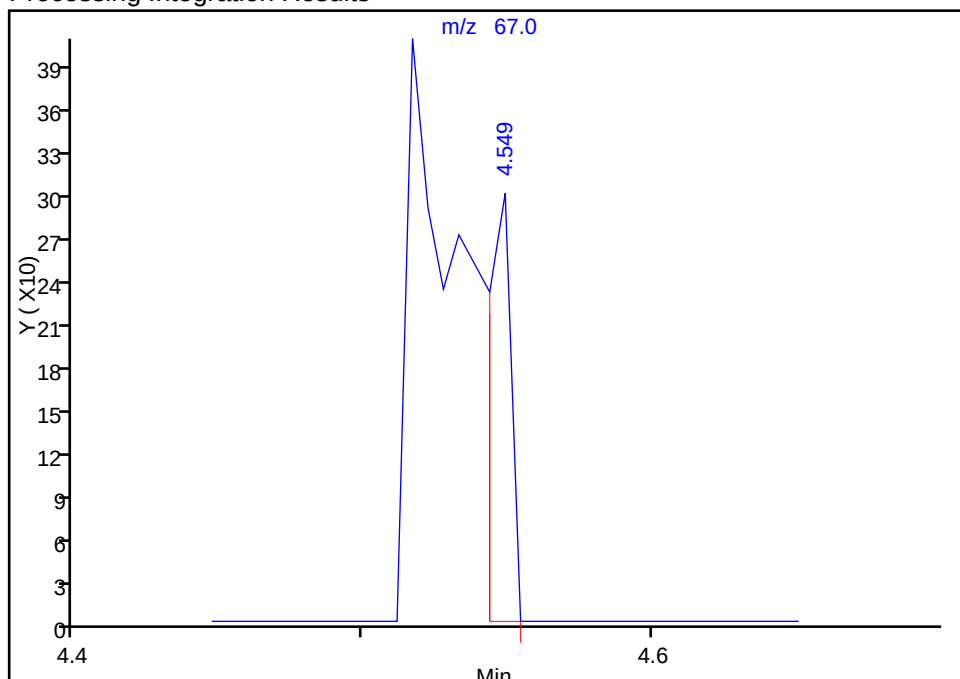
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_007.d |                |              |
| Injection Date: | 25-Apr-2014 16:51:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-1                                          | Lab Sample ID: | 200-54595-1  |
| Client ID:      | 101VMP0101CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 4            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 4.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 8            |

## 6 Chlorodifluoromethane, CAS: 75-45-6

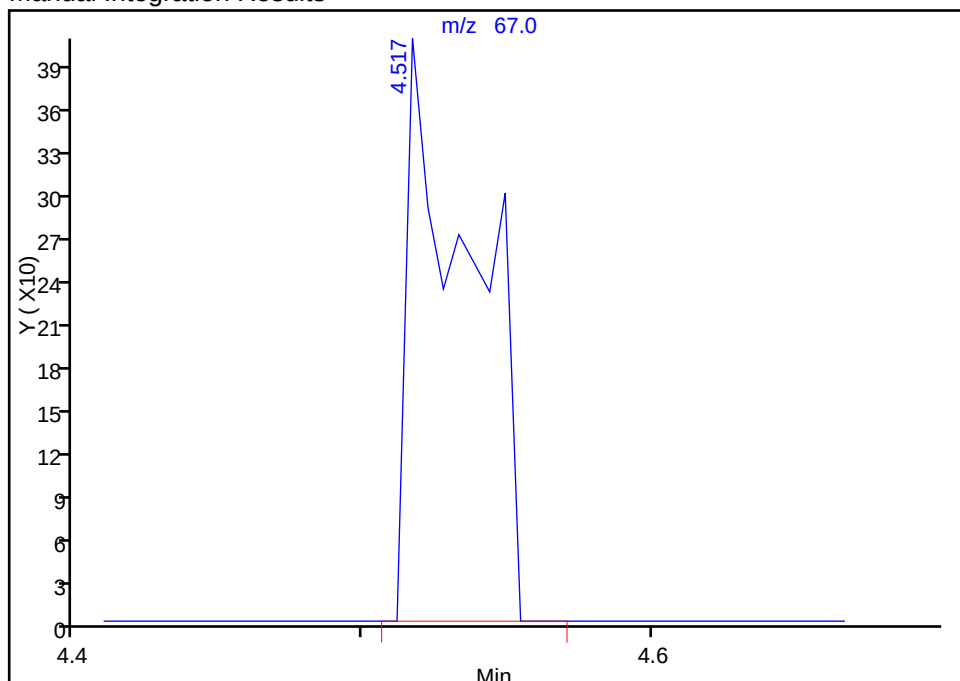
RT: 4.55  
Response: 170  
Amount: 0.068908

## Processing Integration Results



RT: 4.52  
Response: 635  
Amount: 0.133135

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:25:48  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

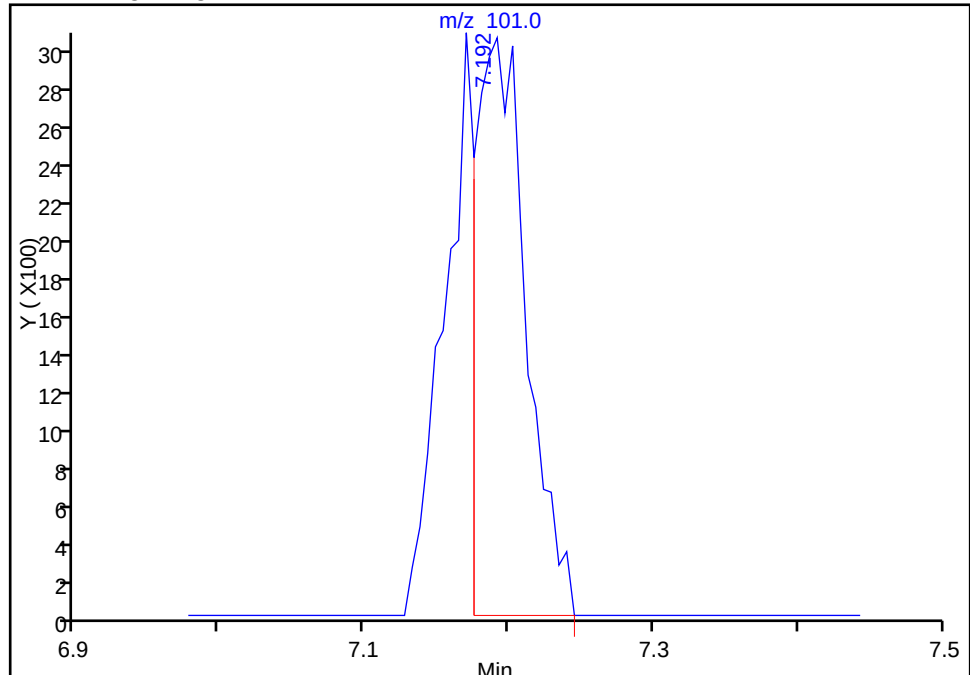
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_007.d |                |              |
| Injection Date: | 25-Apr-2014 16:51:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-1                                          | Lab Sample ID: | 200-54595-1  |
| Client ID:      | 101VMP0101CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 4            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 4.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 8            |

**17 Trichlorofluoromethane, CAS: 75-69-4**

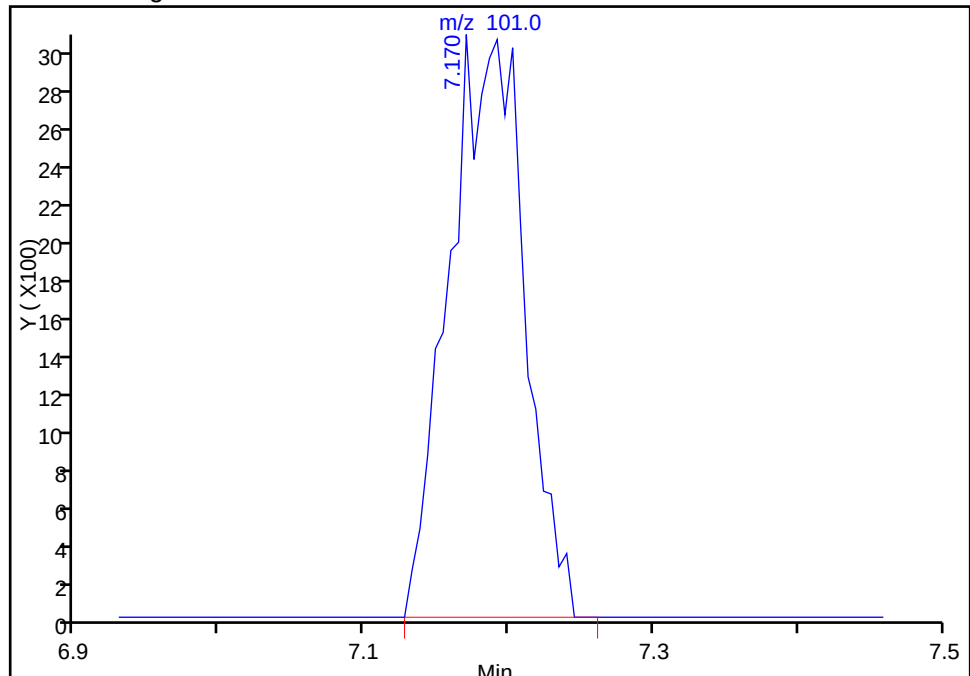
RT: 7.19  
Response: 7290  
Amount: 0.101176

## Processing Integration Results



RT: 7.17  
Response: 10897  
Amount: 0.151237

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:25:48  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

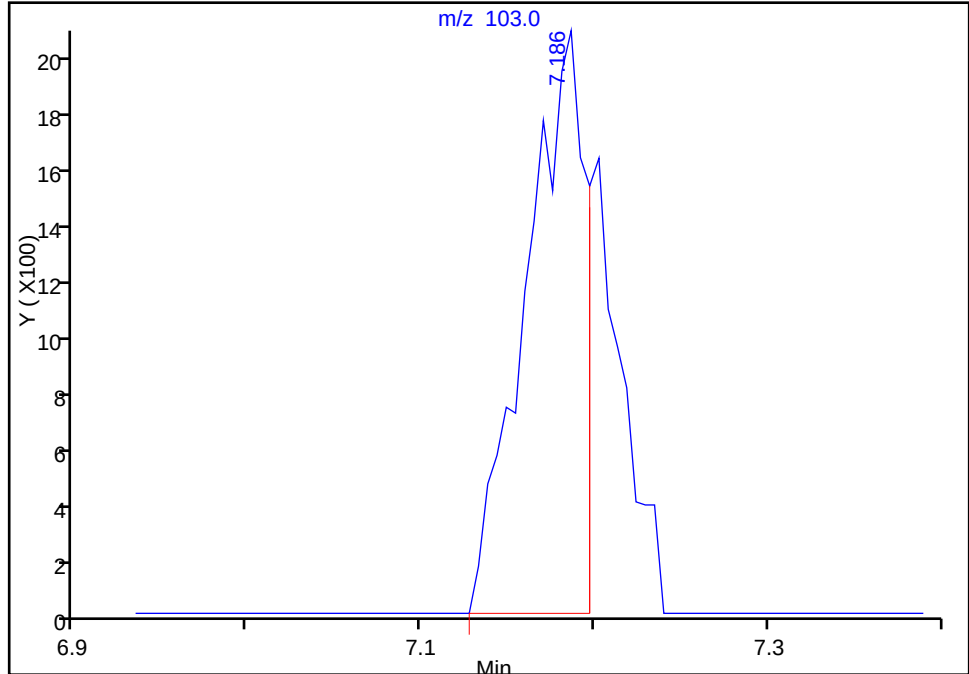
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_007.d |                |              |
| Injection Date: | 25-Apr-2014 16:51:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-1                                          | Lab Sample ID: | 200-54595-1  |
| Client ID:      | 101VMP0101CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 4            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 4.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 8            |

**17 Trichlorofluoromethane, CAS: 75-69-4**

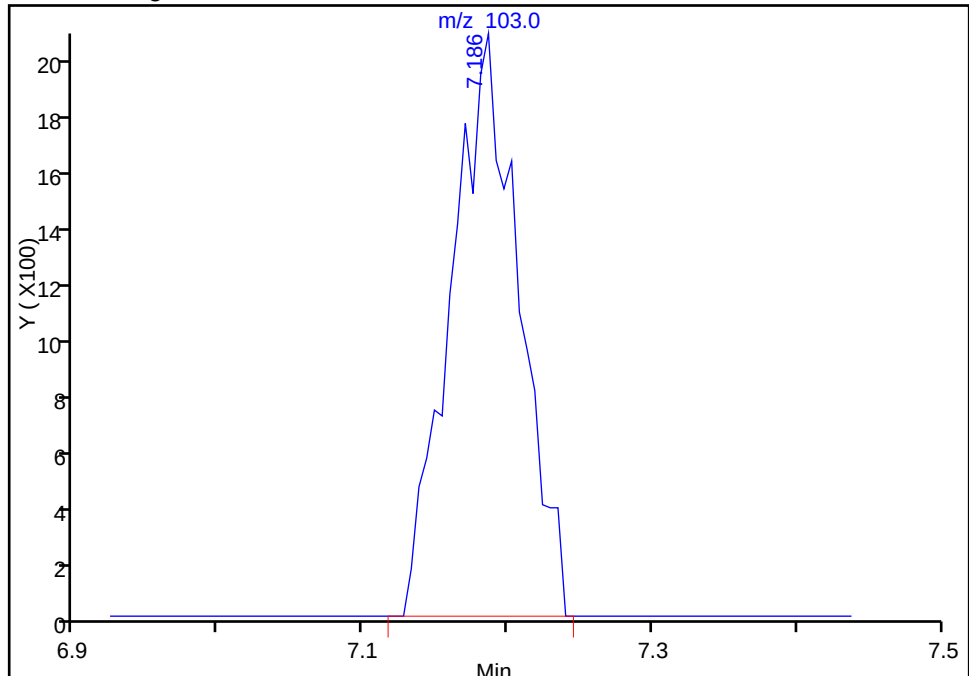
RT: 7.19  
Response: 5004  
Amount: 0.101176

## Processing Integration Results



RT: 7.19  
Response: 6810  
Amount: 0.151237

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:25:48

Audit Action: Manually Integrated

Audit Reason: Baseline Event

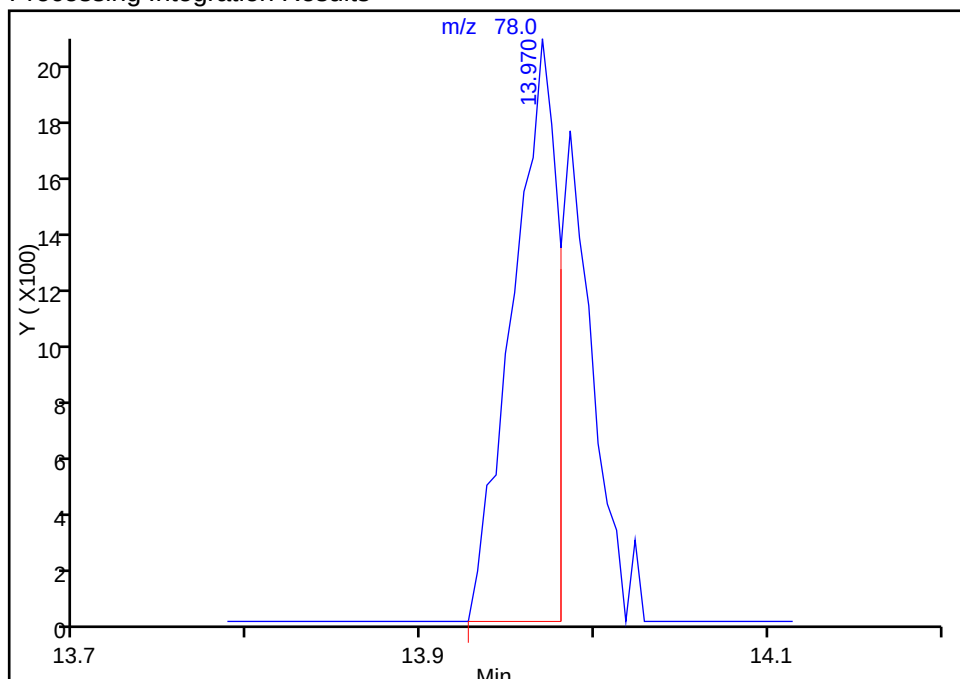
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_007.d |                |              |
| Injection Date: | 25-Apr-2014 16:51:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-1                                          | Lab Sample ID: | 200-54595-1  |
| Client ID:      | 101VMP0101CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 4            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 4.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 8            |

## 50 Benzene, CAS: 71-43-2

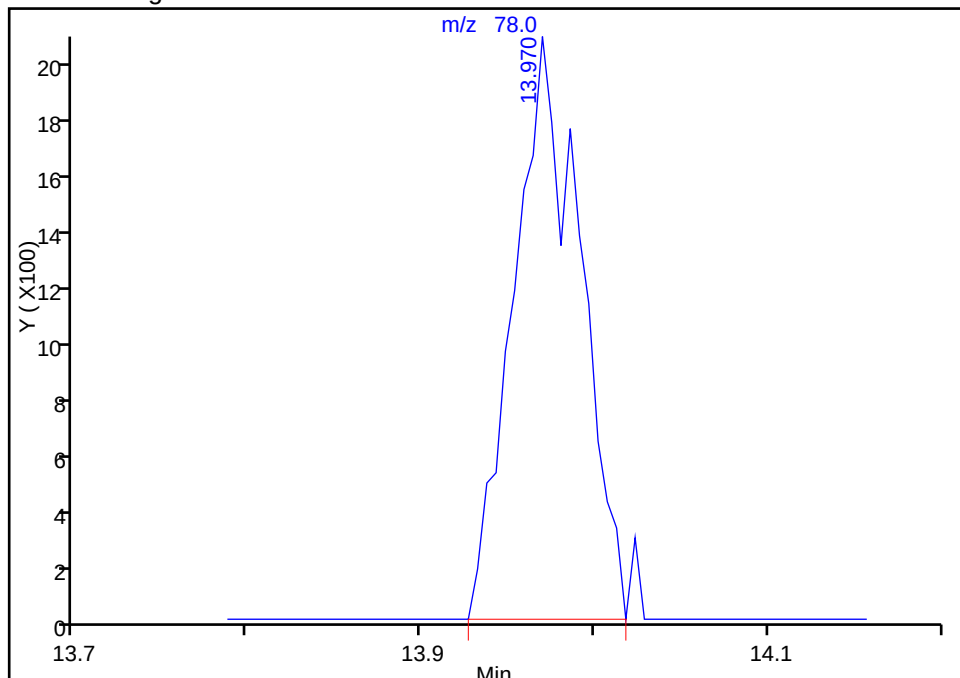
RT: 13.97  
Response: 3769  
Amount: 0.063216

## Processing Integration Results



RT: 13.97  
Response: 5582  
Amount: 0.093625

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:25:48  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2

Matrix: Air Lab File ID: 7223\_008.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:45

Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.64   | J   | 1.3  | 0.075 |
| 75-45-6   | Freon 22                      | 86.47            | 0.63   | J   | 1.3  | 0.12  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.20   | U   | 0.50 | 0.088 |
| 74-87-3   | Chloromethane                 | 50.49            | 1.3    | U   | 1.3  | 0.34  |
| 106-97-8  | n-Butane                      | 58.12            | 1.3    | U   | 1.3  | 0.71  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.20   | U   | 0.50 | 0.095 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.20   | U   | 0.50 | 0.11  |
| 74-83-9   | Bromomethane                  | 94.94            | 0.20   | U   | 0.50 | 0.070 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.20   | U   | 1.3  | 0.075 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.20   | U   | 0.50 | 0.075 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.61   |     | 0.50 | 0.075 |
| 76-13-1   | Freon TF                      | 187.38           | 0.075  | U   | 0.50 | 0.045 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.20   | U   | 0.50 | 0.060 |
| 67-64-1   | Acetone                       | 58.08            | 41     |     | 13   | 3.1   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 15     |     | 13   | 0.54  |
| 75-15-0   | Carbon disulfide              | 76.14            | 6.4    |     | 1.3  | 0.17  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.20   | U   | 1.3  | 0.085 |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.50   | U   | 1.3  | 0.31  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 1.3    | U   | 13   | 0.82  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.20   | U   | 0.50 | 0.055 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.20   | U   | 0.50 | 0.073 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.20   | U   | 0.50 | 0.085 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.20   | U   | 0.50 | 0.095 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 46     |     | 1.3  | 0.61  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.20   | U   | 0.50 | 0.095 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.20   | U   | 0.50 | 0.16  |
| 67-66-3   | Chloroform                    | 119.38           | 0.13   | J M | 0.50 | 0.063 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 70     |     | 13   | 0.12  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.20   | U   | 0.50 | 0.053 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.20   | U   | 0.50 | 0.063 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.081  | J   | 0.50 | 0.053 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.58   | M   | 0.50 | 0.068 |
| 71-43-2   | Benzene                       | 78.11            | 0.85   |     | 0.50 | 0.048 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.075  | U   | 0.50 | 0.043 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2

Matrix: Air Lab File ID: 7223\_008.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:45

Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|---|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.20   | U | 0.50 | 0.12  |
| 79-01-6     | Trichloroethene                  | 131.39           | 25     |   | 0.50 | 0.060 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.14   | J | 1.3  | 0.075 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.20   | U | 0.50 | 0.080 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.50   | U | 13   | 0.50  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.075  | U | 0.50 | 0.043 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.20   | U | 0.50 | 0.070 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 1.8    |   | 1.3  | 0.068 |
| 108-88-3    | Toluene                          | 92.14            | 38     |   | 0.50 | 0.043 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.20   | U | 0.50 | 0.055 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.075  | U | 0.50 | 0.043 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.59   | M | 0.50 | 0.040 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.50   | U | 1.3  | 0.50  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.075  | U | 0.50 | 0.050 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.20   | U | 0.50 | 0.050 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.075  | U | 0.50 | 0.020 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 44     |   | 0.50 | 0.033 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 150    |   | 1.3  | 0.058 |
| 95-47-6     | Xylene, o-                       | 106.17           | 51     |   | 0.50 | 0.040 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 200    |   | 0.50 | 0.085 |
| 100-42-5    | Styrene                          | 104.15           | 0.075  | U | 0.50 | 0.045 |
| 75-25-2     | Bromoform                        | 252.75           | 0.075  | U | 0.50 | 0.025 |
| 98-82-8     | Cumene                           | 120.19           | 0.075  | U | 0.50 | 0.040 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.075  | U | 0.50 | 0.040 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.20   | U | 0.50 | 0.20  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 1.8    |   | 0.50 | 0.045 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 2.2    |   | 0.50 | 0.030 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.075  | U | 0.50 | 0.033 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.075  | U | 0.50 | 0.043 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 4.8    |   | 0.50 | 0.035 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.20   | U | 0.50 | 0.20  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.41   | J | 0.50 | 0.20  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 1.3    |   | 0.50 | 0.035 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.075  | U | 0.50 | 0.035 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2  
Matrix: Air Lab File ID: 7223\_008.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:45  
Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.20   | U | 0.50 | 0.20  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.20   | U | 0.50 | 0.20  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.075  | U | 0.50 | 0.035 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.20   | U | 1.3  | 0.068 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.20   | U | 0.50 | 0.055 |
| 91-20-3  | Naphthalene            | 128.17           | 0.50   | U | 1.3  | 0.50  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2

Matrix: Air Lab File ID: 7223\_008.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:45

Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-----|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.1    | J   | 6.2 | 0.37 |
| 75-45-6   | Freon 22                      | 86.47            | 2.2    | J   | 4.4 | 0.42 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 1.4    | U   | 3.5 | 0.61 |
| 74-87-3   | Chloromethane                 | 50.49            | 2.6    | U   | 2.6 | 0.70 |
| 106-97-8  | n-Butane                      | 58.12            | 3.0    | U   | 3.0 | 1.7  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.51   | U   | 1.3 | 0.24 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.44   | U   | 1.1 | 0.23 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.78   | U   | 1.9 | 0.27 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.53   | U   | 3.3 | 0.20 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.87   | U   | 2.2 | 0.33 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 3.4    |     | 2.8 | 0.42 |
| 76-13-1   | Freon TF                      | 187.38           | 0.57   | U   | 3.8 | 0.34 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.79   | U   | 2.0 | 0.24 |
| 67-64-1   | Acetone                       | 58.08            | 98     |     | 30  | 7.4  |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 38     |     | 31  | 1.3  |
| 75-15-0   | Carbon disulfide              | 76.14            | 20     |     | 3.9 | 0.51 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.63   | U   | 3.9 | 0.27 |
| 75-09-2   | Methylene Chloride            | 84.93            | 1.7    | U   | 4.3 | 1.1  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 3.8    | U   | 38  | 2.5  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.72   | U   | 1.8 | 0.20 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.79   | U   | 2.0 | 0.29 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.70   | U   | 1.8 | 0.30 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.81   | U   | 2.0 | 0.38 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 140    |     | 3.7 | 1.8  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.79   | U   | 2.0 | 0.38 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.79   | U   | 2.0 | 0.63 |
| 67-66-3   | Chloroform                    | 119.38           | 0.65   | J M | 2.4 | 0.31 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 210    |     | 37  | 0.34 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 1.1    | U   | 2.7 | 0.29 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.69   | U   | 1.7 | 0.22 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.51   | J   | 3.1 | 0.33 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 2.7    | M   | 2.3 | 0.32 |
| 71-43-2   | Benzene                       | 78.11            | 2.7    |     | 1.6 | 0.15 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.30   | U   | 2.0 | 0.17 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2

Matrix: Air Lab File ID: 7223\_008.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:45

Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|-------------|----------------------------------|------------------|--------|---|-----|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.82   | U | 2.0 | 0.47  |
| 79-01-6     | Trichloroethene                  | 131.39           | 130    |   | 2.7 | 0.32  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.55   | J | 5.1 | 0.31  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.92   | U | 2.3 | 0.37  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 1.8    | U | 45  | 1.8   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.50   | U | 3.4 | 0.28  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.91   | U | 2.3 | 0.32  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 7.4    |   | 5.1 | 0.28  |
| 108-88-3    | Toluene                          | 92.14            | 140    |   | 1.9 | 0.16  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.91   | U | 2.3 | 0.25  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.41   | U | 2.7 | 0.23  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 4.0    | M | 3.4 | 0.27  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 2.0    | U | 5.1 | 2.0   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.64   | U | 4.3 | 0.43  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 1.5    | U | 3.8 | 0.38  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.35   | U | 2.3 | 0.093 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 190    |   | 2.2 | 0.14  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 640    |   | 5.4 | 0.25  |
| 95-47-6     | Xylene, o-                       | 106.17           | 220    |   | 2.2 | 0.17  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 870    |   | 2.2 | 0.37  |
| 100-42-5    | Styrene                          | 104.15           | 0.32   | U | 2.1 | 0.19  |
| 75-25-2     | Bromoform                        | 252.75           | 0.78   | U | 5.2 | 0.26  |
| 98-82-8     | Cumene                           | 120.19           | 0.37   | U | 2.5 | 0.20  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.51   | U | 3.4 | 0.27  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.98   | U | 2.5 | 0.98  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 8.8    |   | 2.5 | 0.22  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 11     |   | 2.5 | 0.15  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.39   | U | 2.6 | 0.17  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.41   | U | 2.7 | 0.23  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 24     |   | 2.5 | 0.17  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 1.1    | U | 2.7 | 1.1   |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 2.3    | J | 2.7 | 1.1   |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 8.0    |   | 3.0 | 0.21  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.45   | U | 3.0 | 0.21  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0201CA Lab Sample ID: 280-54595-2  
Matrix: Air Lab File ID: 7223\_008.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:45  
Sample wt/vol: 80 (mL) Date Analyzed: 04/25/2014 17:40  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 2.5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 1.0    | U | 2.6 | 1.0  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 1.1    | U | 2.7 | 1.1  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.45   | U | 3.0 | 0.21 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 1.5    | U | 9.3 | 0.50 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 2.1    | U | 5.3 | 0.59 |
| 91-20-3  | Naphthalene            | 128.17           | 2.6    | U | 6.6 | 2.6  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d  
 Lims ID: 280-54595-A-2 Lab Sample ID: 200-54595-2  
 Client ID: 101VMP0201CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 17:40:30 ALS Bottle#: 5 Worklist Smp#: 9  
 Purge Vol: 200.000 mL Dil. Factor: 2.5000  
 Sample Info: 200-0007223-009  
 Misc. Info.: 280-54595-A-2  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:32:50 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:29:24

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.437     | 4.474         | -0.037        | 90 | 18201    | 0.2541            |       |
| 6 Chlorodifluoromethane        | 51  | 4.506     | 4.544         | -0.038        | 68 | 6843     | 0.2522            |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  |           | 5.287         |               |    |          |                   |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.181     | 7.186         | -0.005        | 83 | 19499    | 0.2429            |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |           | 8.428         |               |    |          |                   |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.754     | 8.743         | 0.011         | 85 | 375110   | 16.5              |       |
| 26 Carbon disulfide            | 76  | 8.989     | 9.000         | -0.011        | 99 | 128417   | 2.58              |       |
| 27 Isopropyl alcohol           | 45  | 9.048     | 9.043         | 0.005         | 89 | 116991   | 6.14              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  |           | 9.909         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether     | 73  |           | 10.155        |               |    |          |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  |           | 10.642        |               |    |          |                   |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.392    | 12.392        | 0.000         | 97 | 177098   | 18.4              |       |
| 44 Tetrahydrofuran             | 42  | 12.846    | 12.846        | 0.000         | 79 | 407995   | 28.1              |       |
| * 43 Chlorobromomethane        | 128 | 12.862    | 12.852        | 0.010         | 80 | 156592   | 10.0              |       |
| 45 Chloroform                  | 83  | 12.969    | 12.959        | 0.010         | 22 | 2782     | 0.0530            | M     |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 48 Carbon tetrachloride        | 117 | 13.536    | 13.520        | 0.016         | 28 | 2372     | 0.0324            |       |
| 51 Isooctane                   | 57  | 13.927    | 13.916        | 0.011         | 91 | 17220    | 0.2309            | M     |
| 50 Benzene                     | 78  | 13.986    | 13.975        | 0.011         | 92 | 22845    | 0.3419            |       |
| 52 1,2-Dichloroethane          | 62  |           | 14.136        |               |    |          |                   |       |
| 53 n-Heptane                   | 43  |           | 14.269        |               |    |          |                   |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.740    | 14.735        | 0.005         | 94 | 766805   | 10.0              |       |
| 56 Trichloroethene             | 95  | 15.211    | 15.200        | 0.011         | 97 | 337627   | 9.82              |       |
| 58 1,2-Dichloropropane         | 63  |           | 15.725        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  | 15.805    | 15.805        | 0.000         | 38 | 1140     | 0.0540            |       |
| 60 1,4-Dioxane                 | 88  |           | 15.896        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 16.217        |               |    |          |                   |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 17.073        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.313    | 17.313        | 0.000         | 89 | 23639    | 0.7246            |       |
| 66 Toluene                     | 92  | 17.650    | 17.650        | 0.000         | 93 | 780585   | 15.0              |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 18.180        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 18.555        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 | 18.694    | 18.688        | 0.006         | 90 | 15276    | 0.2366            | M     |
| 73 2-Hexanone                  | 43  |           | 18.934        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 19.309        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 19.592        |               |    |          |                   |       |
| S 82 Xylenes, Total            | 106 |           |               |               | 0  |          | 79.4              |       |
| * 76 Chlorobenzene-d5          | 117 | 20.438    | 20.432        | 0.006         | 86 | 715323   | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 20.491        |               |    |          |                   |       |
| 78 Ethylbenzene                | 91  | 20.603    | 20.603        | 0.000         | 98 | 2154579  | 17.8              |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.823    | 20.823        | 0.000         | 98 | 2879008  | 58.9              |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534        | 0.000         | 93 | 944359   | 20.5              |       |
| 84 Styrene                     | 104 |           | 21.572        |               |    |          |                   | M     |
| 85 Bromoform                   | 173 |           | 21.952        |               |    |          |                   |       |
| 86 Isopropylbenzene            | 105 |           | 22.101        |               |    |          |                   |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.438    | 22.438        | 0.000         | 90 | 542439   | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |           | 22.663        |               |    |          |                   |       |
| 90 N-Propylbenzene             | 91  |           | 22.733        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 | 22.898    | 22.904        | -0.006        | 91 | 113335   | 0.7177            |       |
| 92 2-Chlorotoluene             | 91  |           | 22.936        |               |    |          |                   |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.989    | 22.995        | -0.006        | 92 | 130467   | 0.8927            |       |
| 96 tert-Butylbenzene           | 119 |           | 23.471        |               |    |          |                   |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.562    | 23.562        | 0.000         | 93 | 270083   | 1.94              |       |
| 98 sec-Butylbenzene            | 105 |           | 23.803        |               |    |          |                   |       |
| 99 4-Isopropyltoluene          | 119 | 24.000    | 24.001        | -0.001        | 64 | 28020    | 0.1658            |       |
| 100 1,3-Dichlorobenzene        | 146 | 24.075    | 24.070        | 0.005         | 90 | 53782    | 0.5290            |       |
| 101 1,4-Dichlorobenzene        | 146 |           | 24.215        |               |    |          |                   |       |
| 102 Benzyl chloride            | 91  |           | 24.429        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 24.637        |               |    |          |                   |       |
| 105 1,2-Dichlorobenzene        | 146 |           | 24.824        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 |           | 27.708        |               |    |          |                   |       |
| 108 Hexachlorobutadiene        | 225 |           | 27.911        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 28.296        |               |    |          |                   |       |

QC Flag Legend

Review Flags

M - Manually Integrated



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Worklist Smp#: 9

Client ID: 101VMP0201CA

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

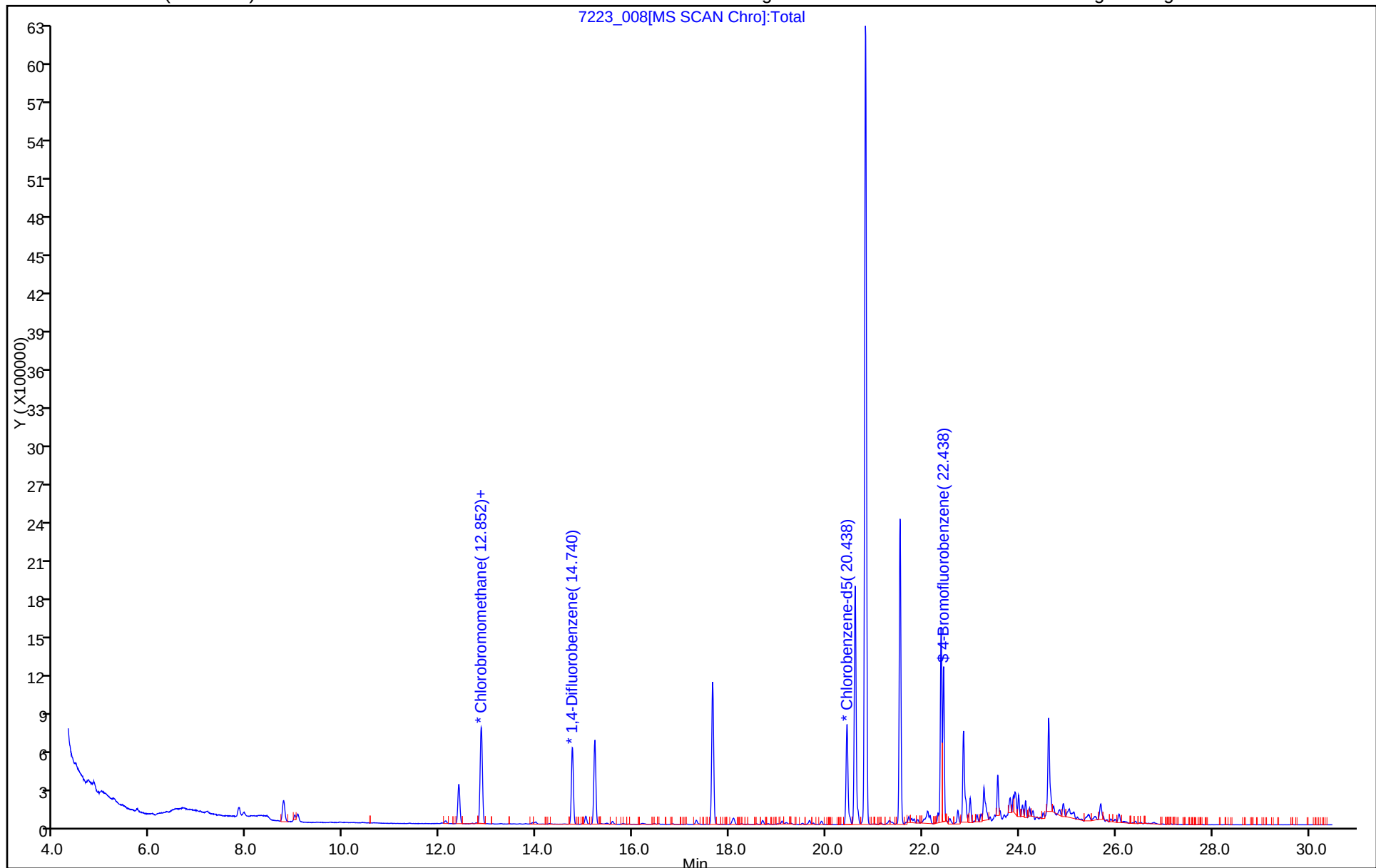
ALS Bottle#: 5

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

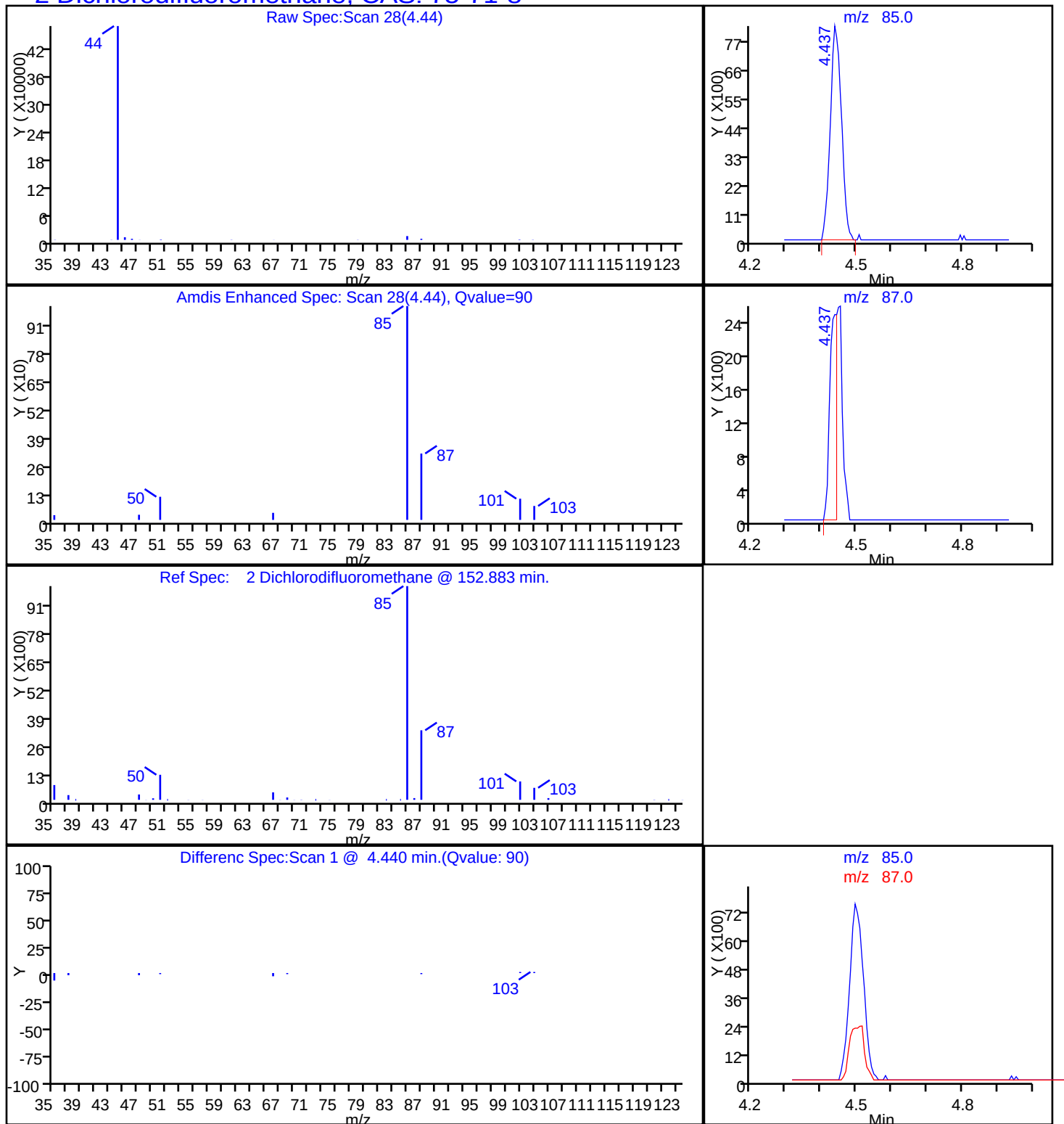
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

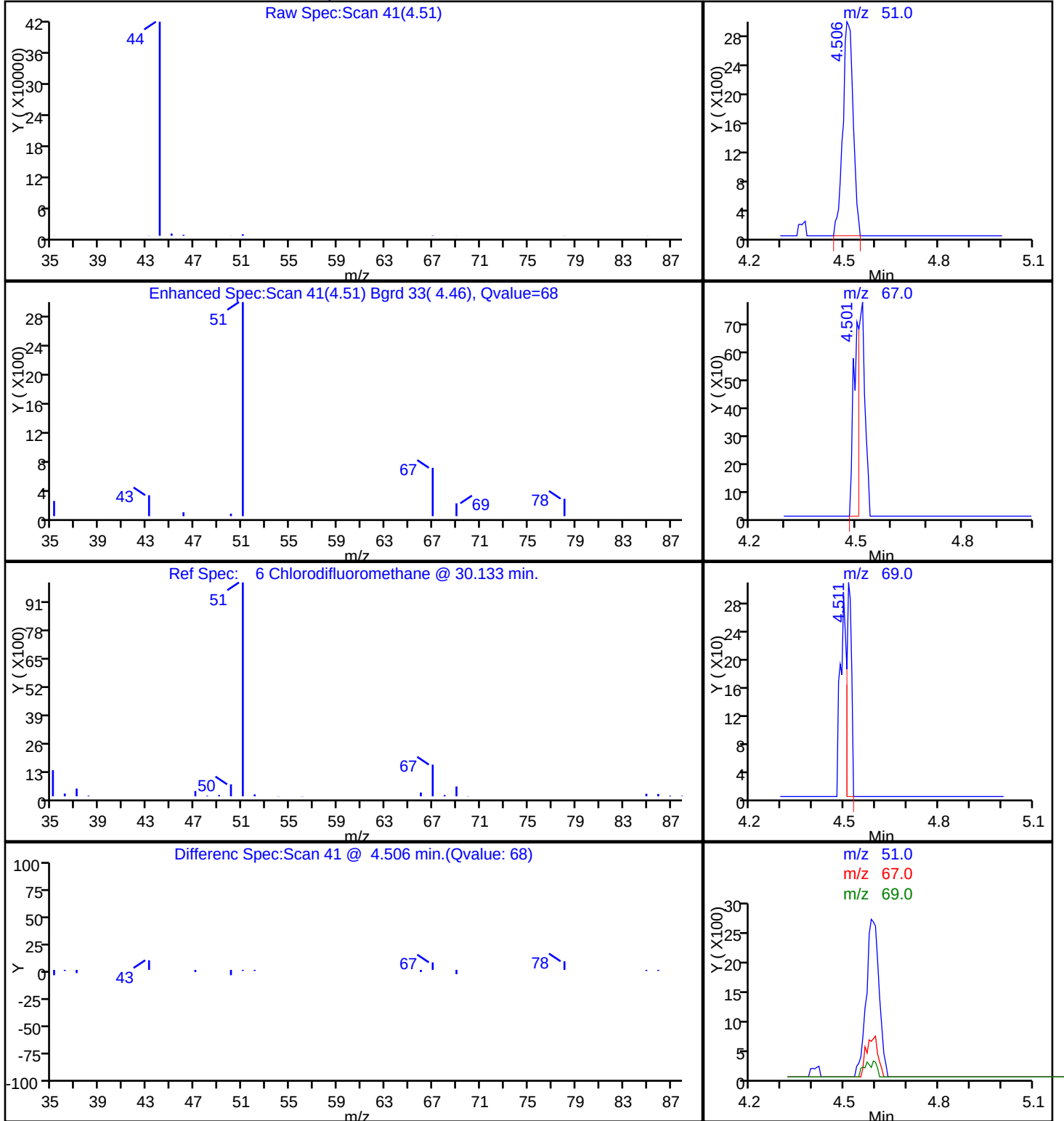
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**6 Chlorodifluoromethane, CAS: 75-45-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

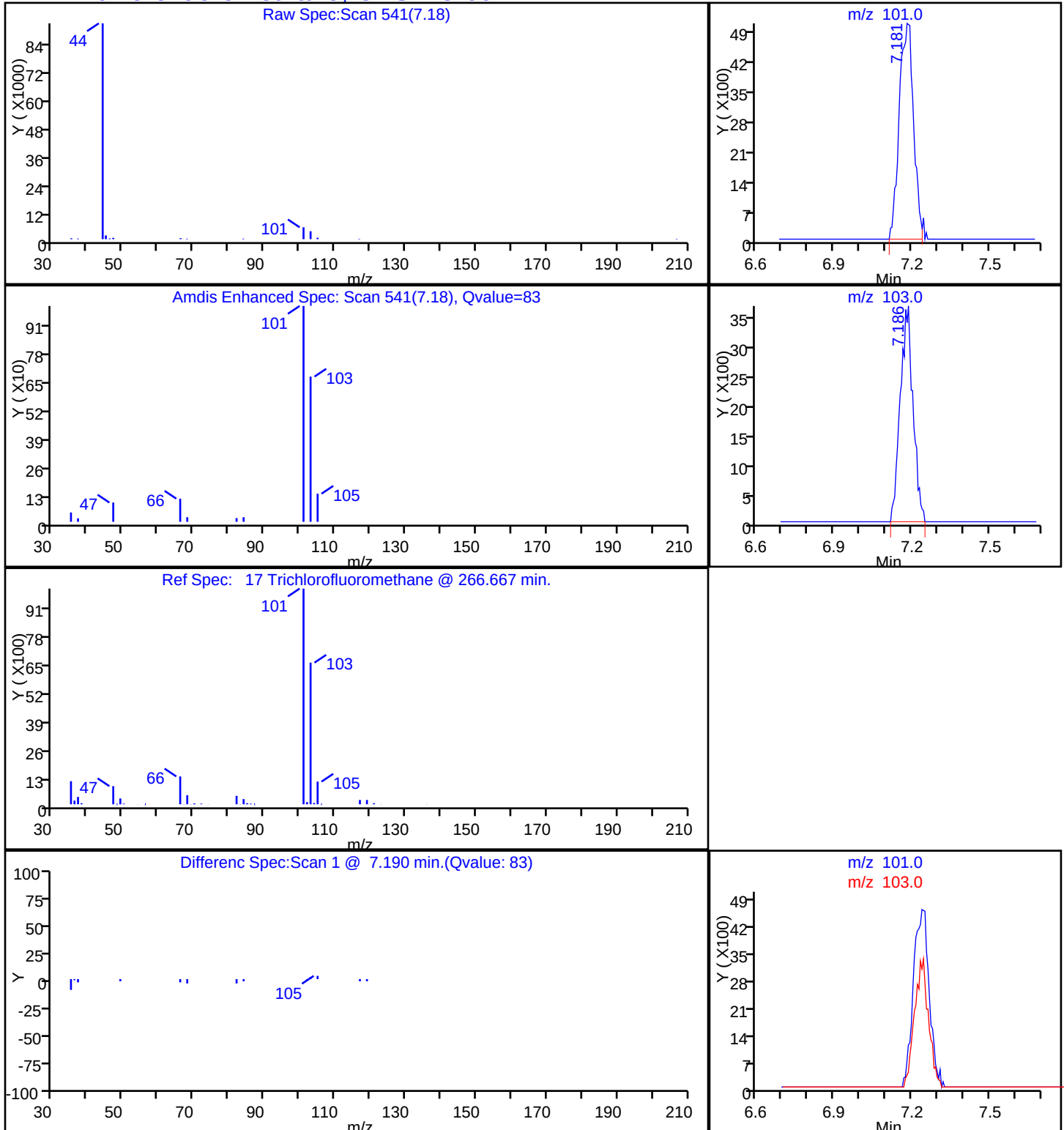
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

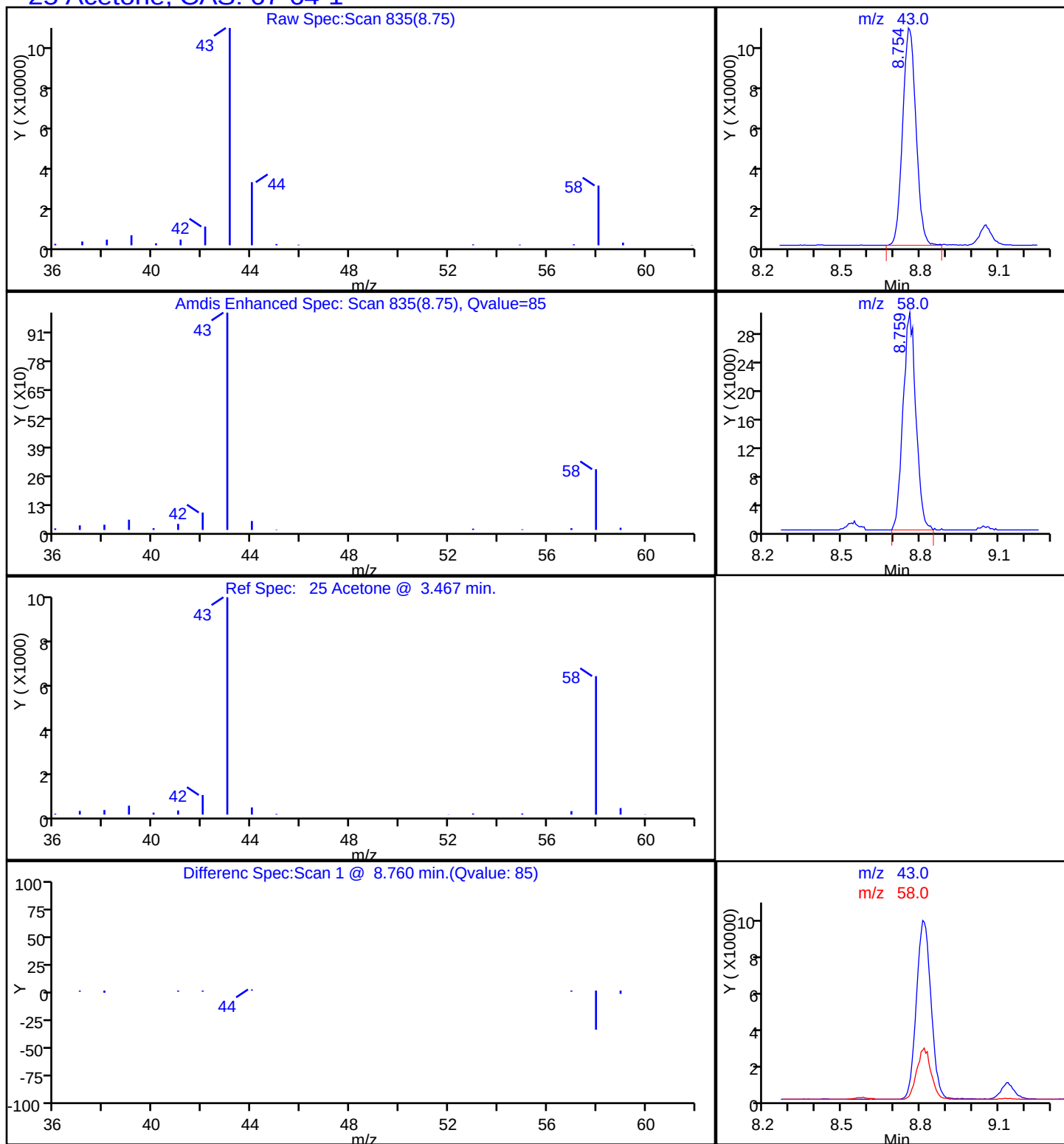
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

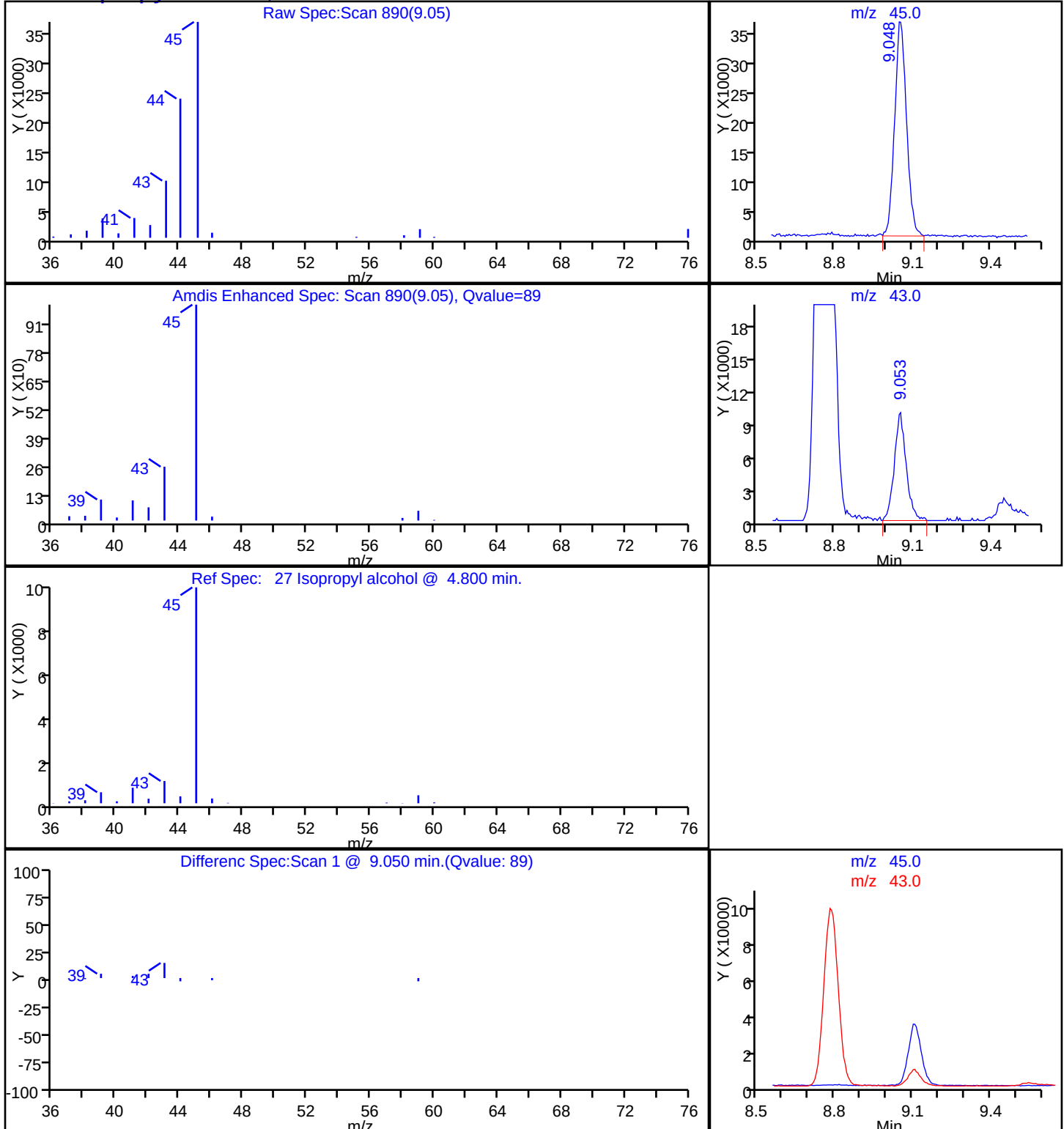
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

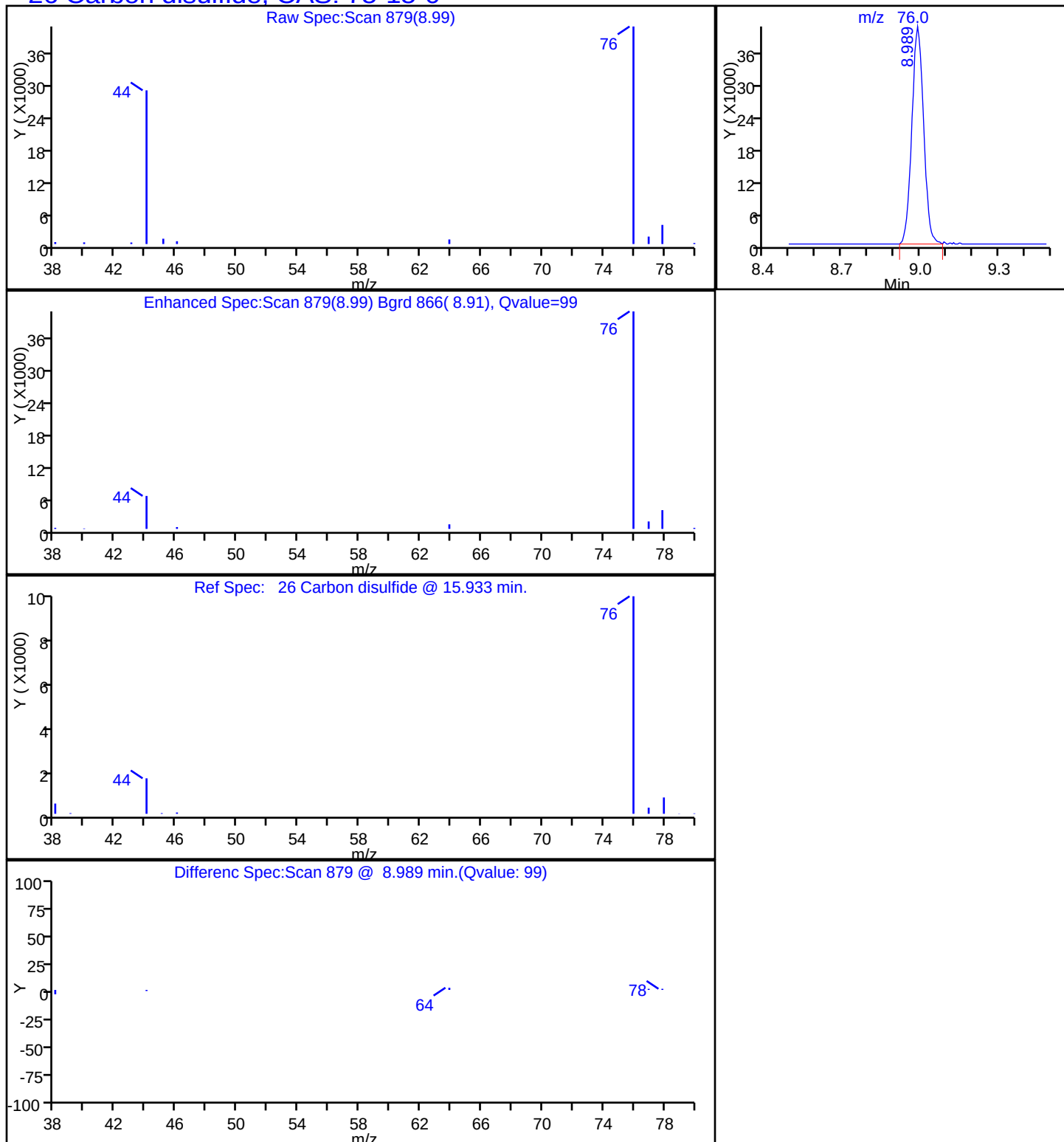
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**26 Carbon disulfide, CAS: 75-15-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

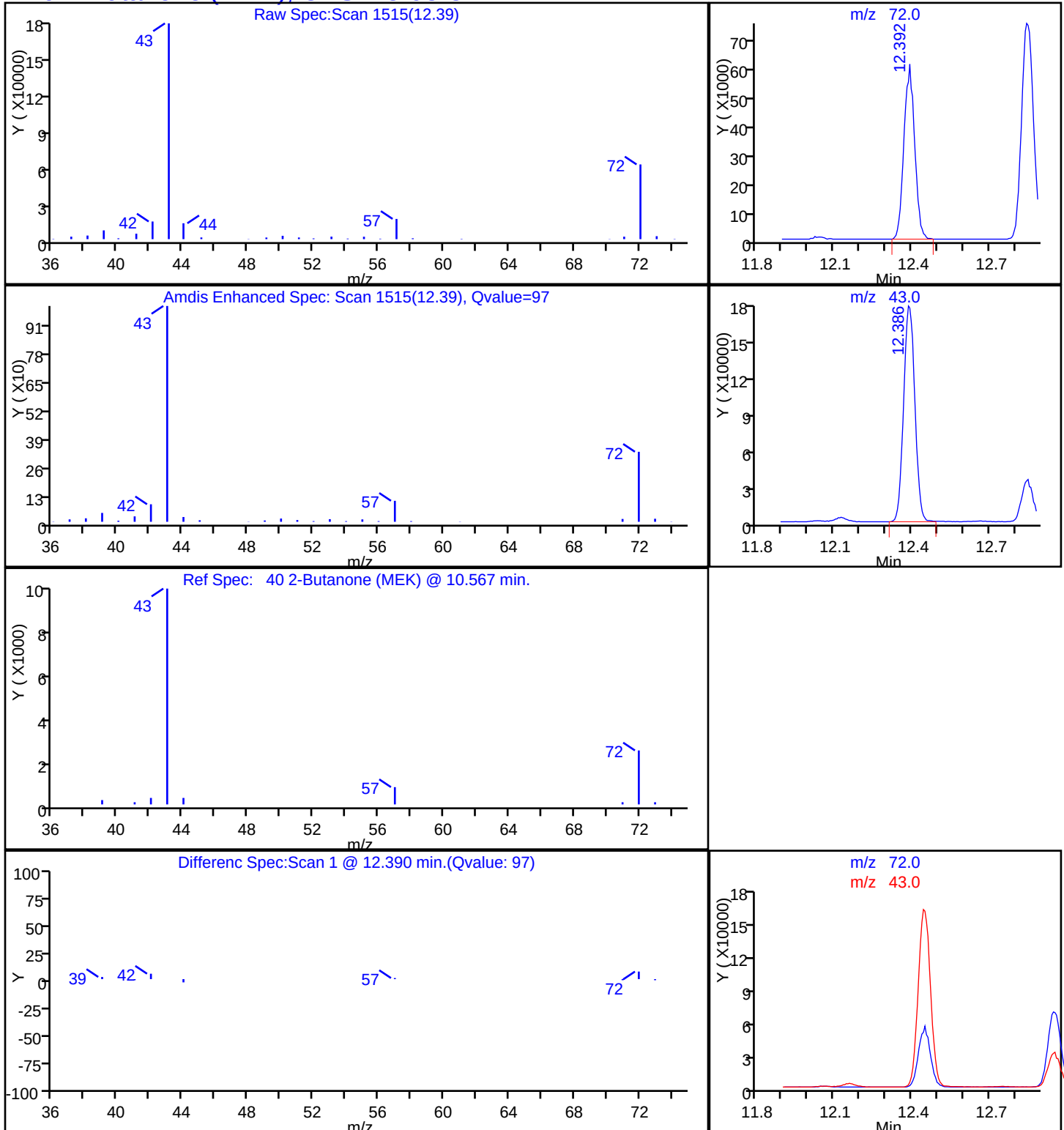
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

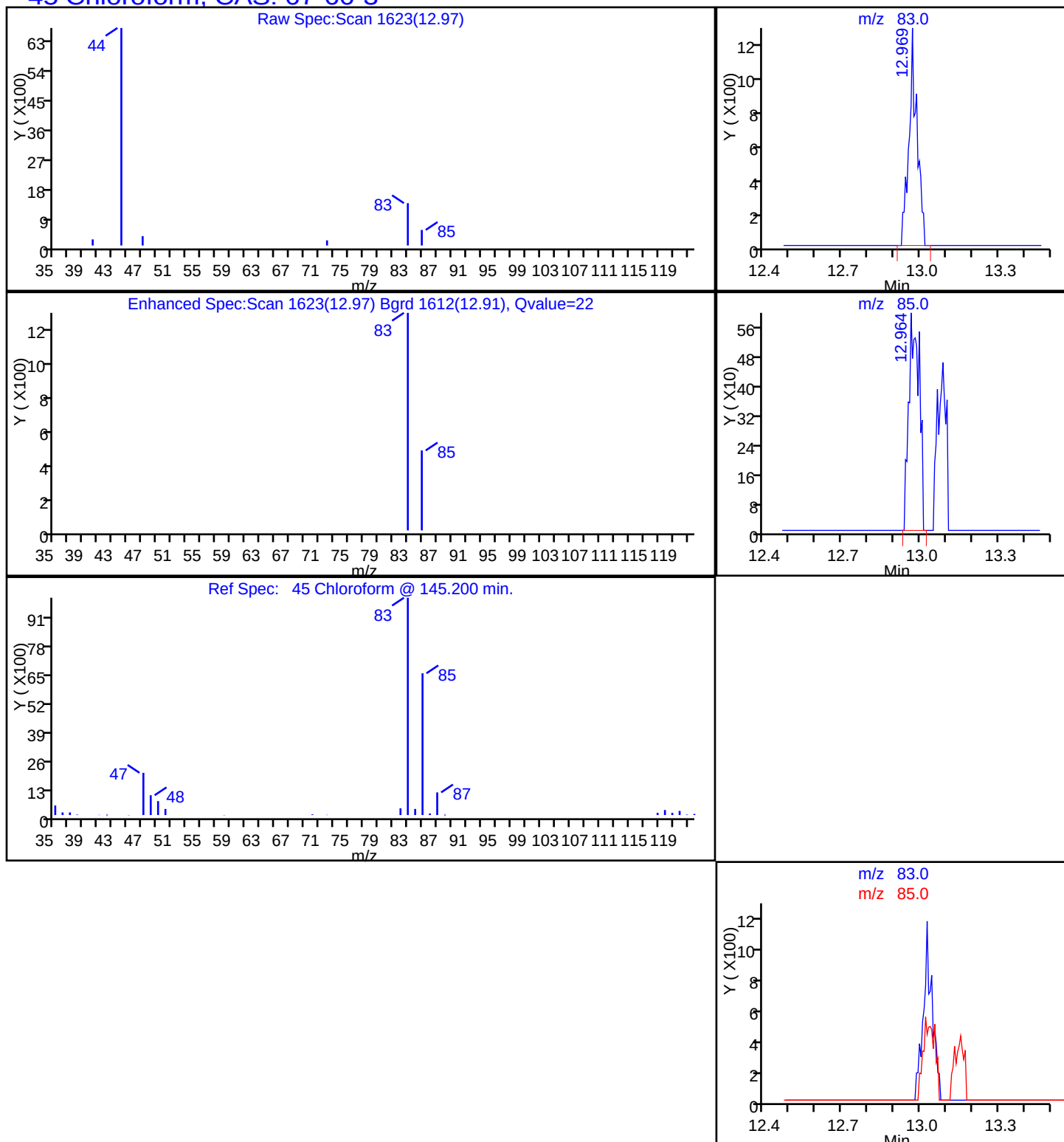
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**45 Chloroform, CAS: 67-66-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

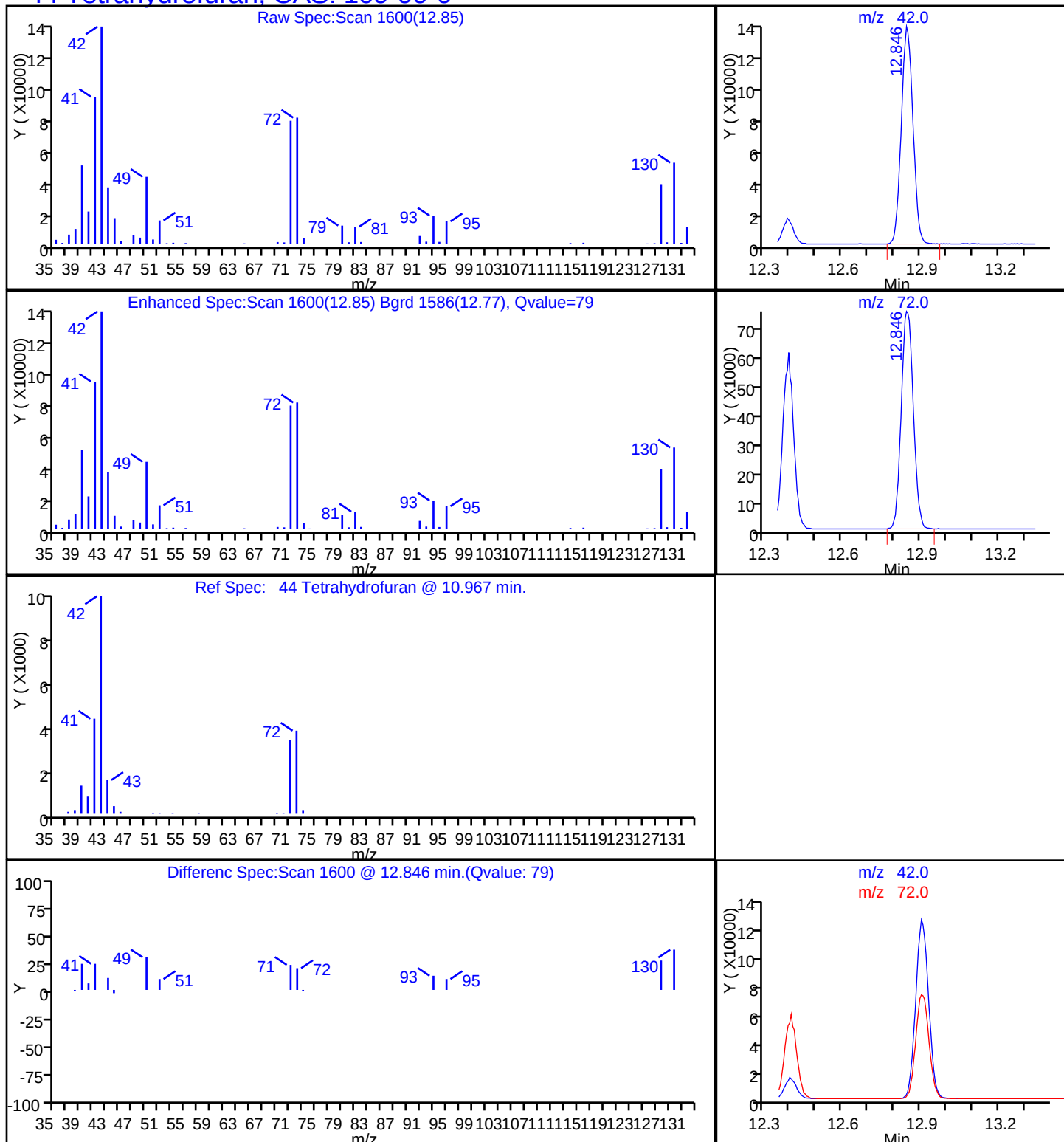
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**44 Tetrahydrofuran, CAS: 109-99-9**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

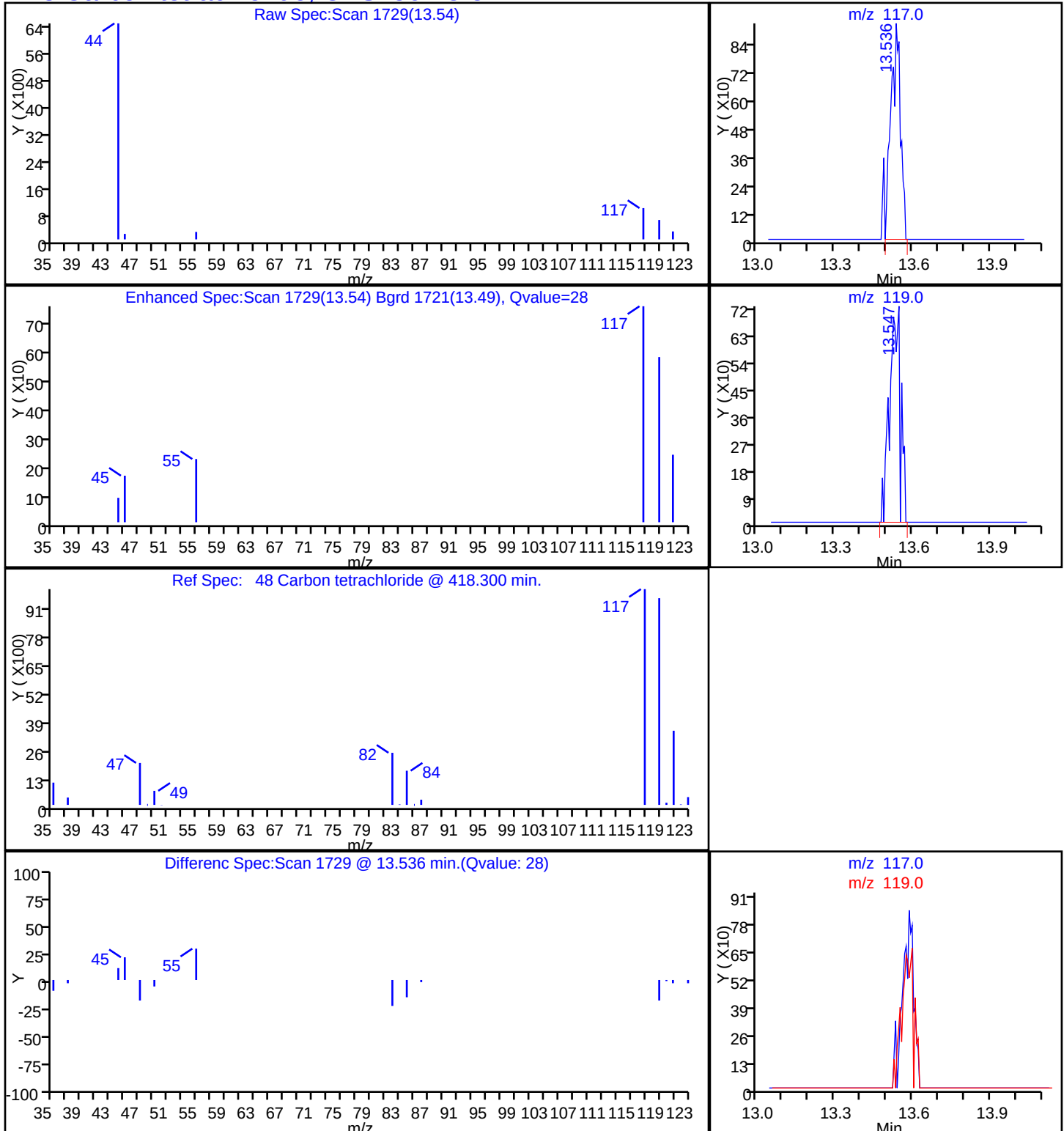
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 48 Carbon tetrachloride, CAS: 56-23-5



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

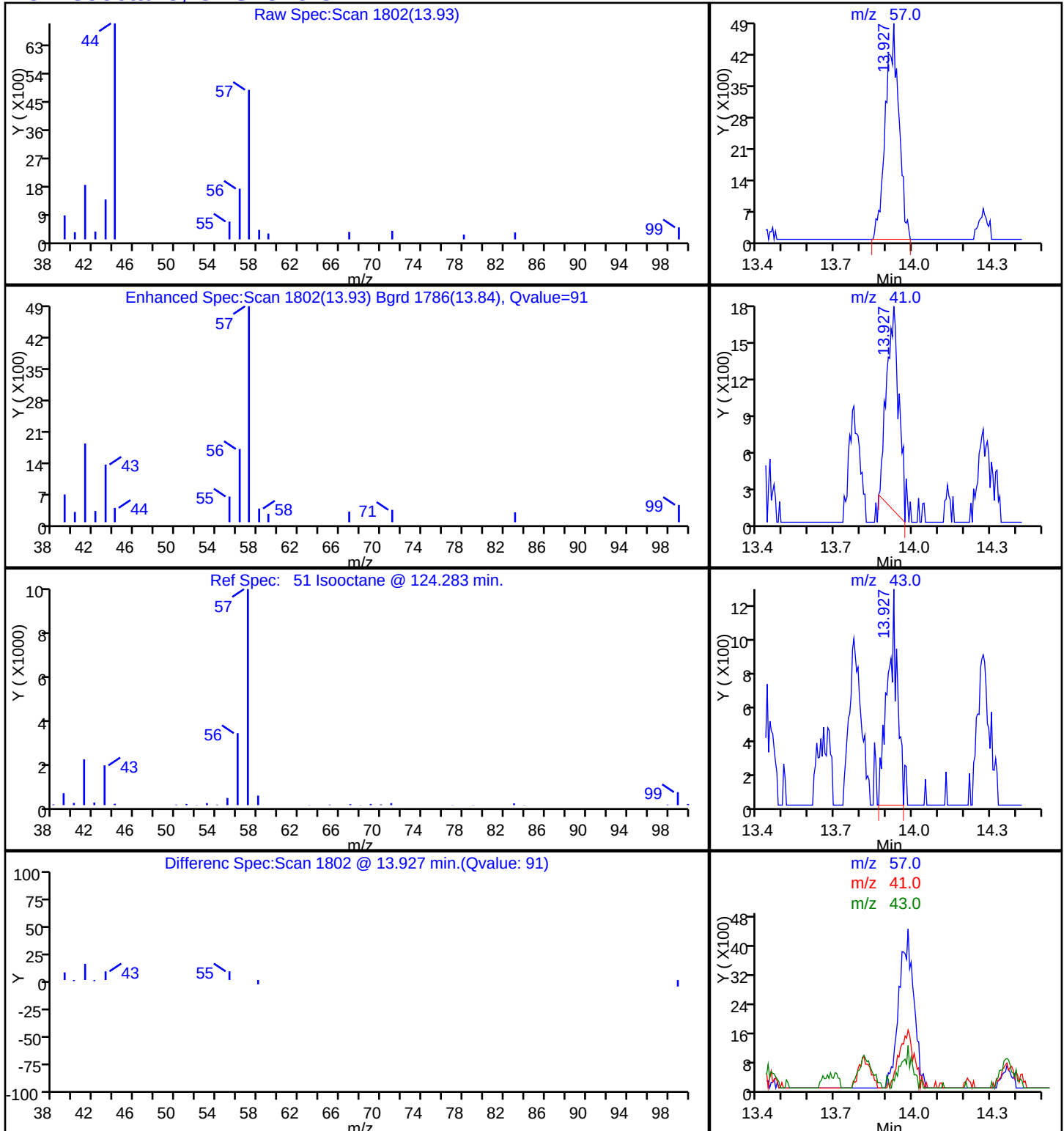
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

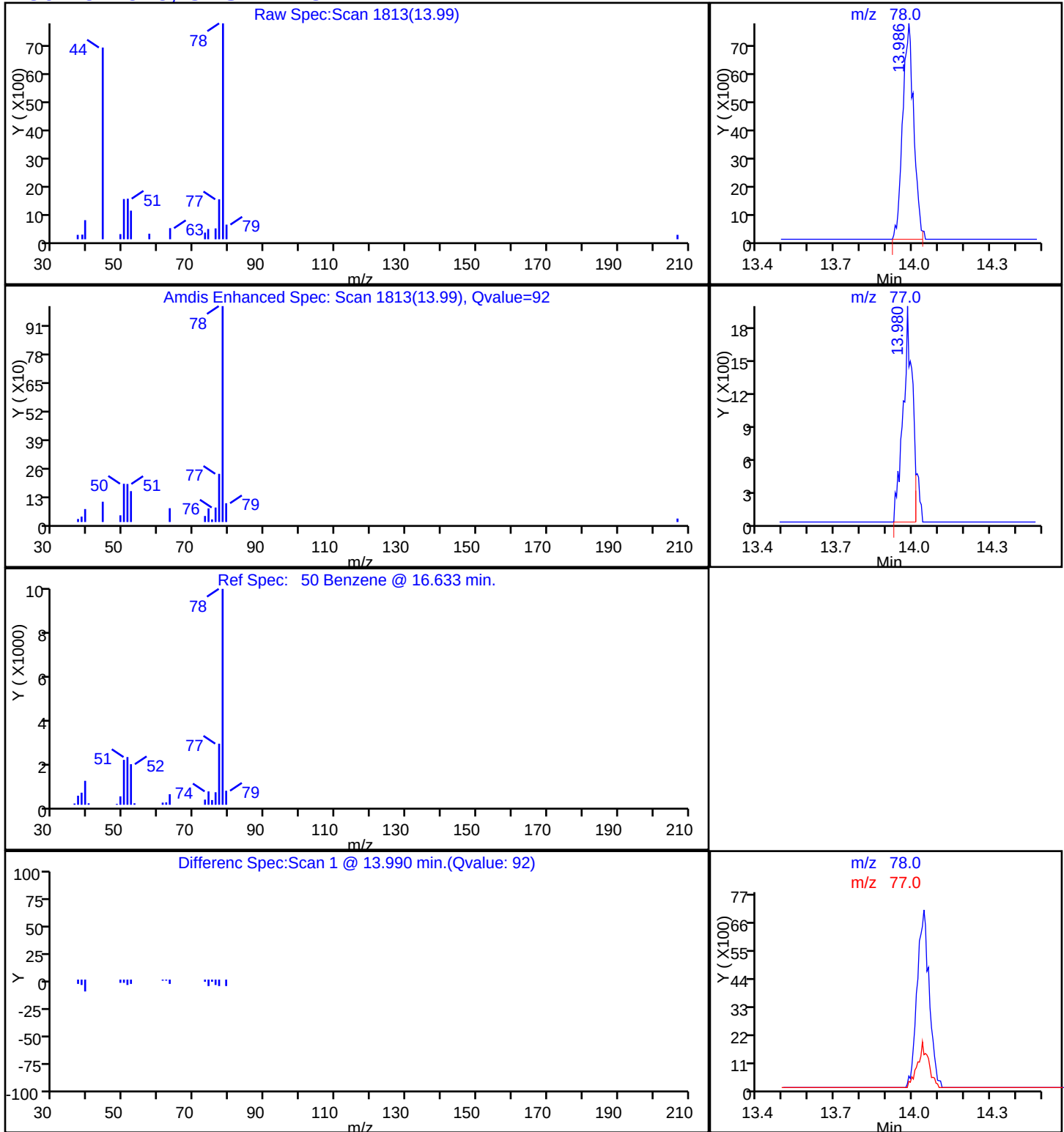
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**50 Benzene, CAS: 71-43-2**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

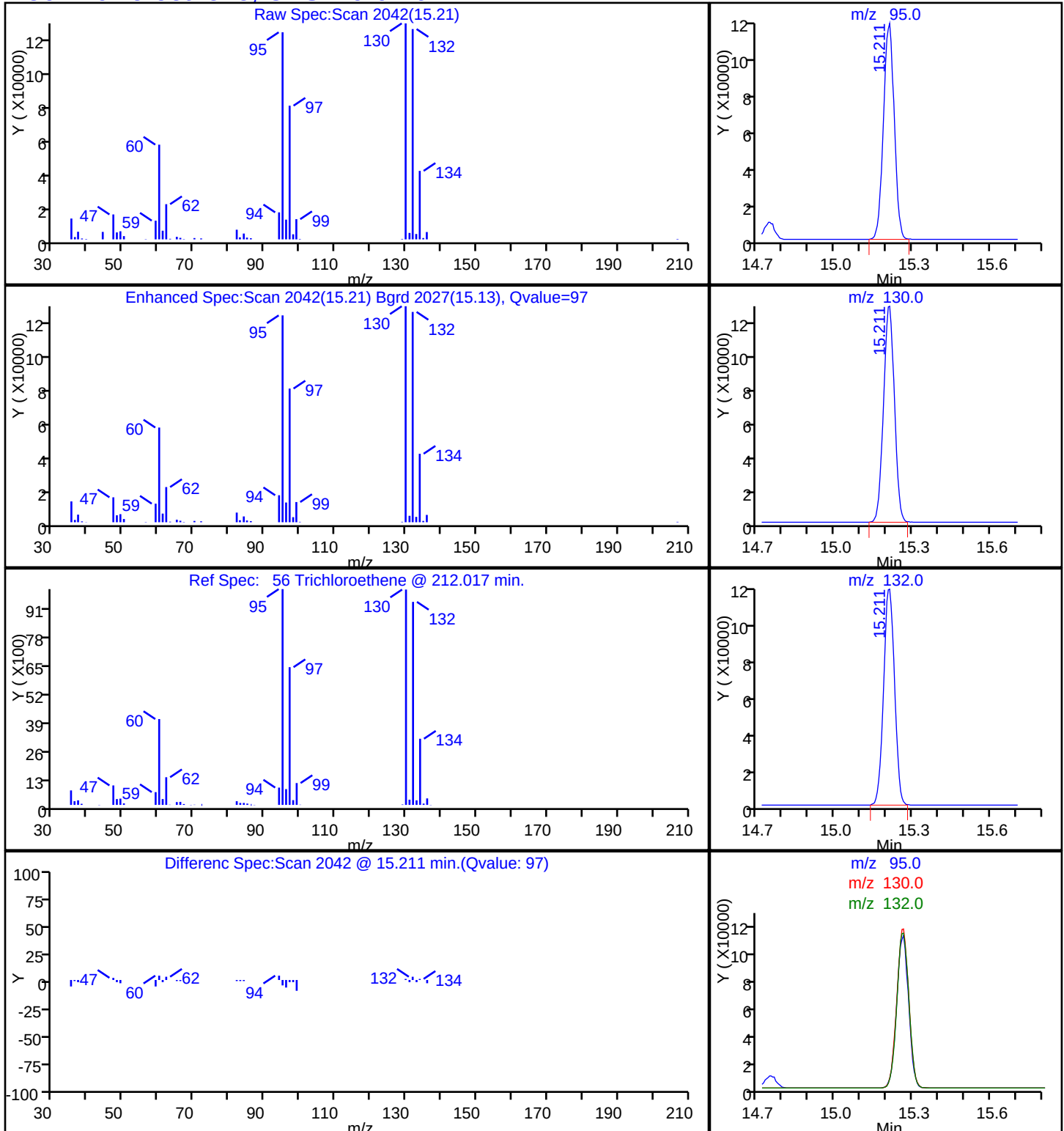
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

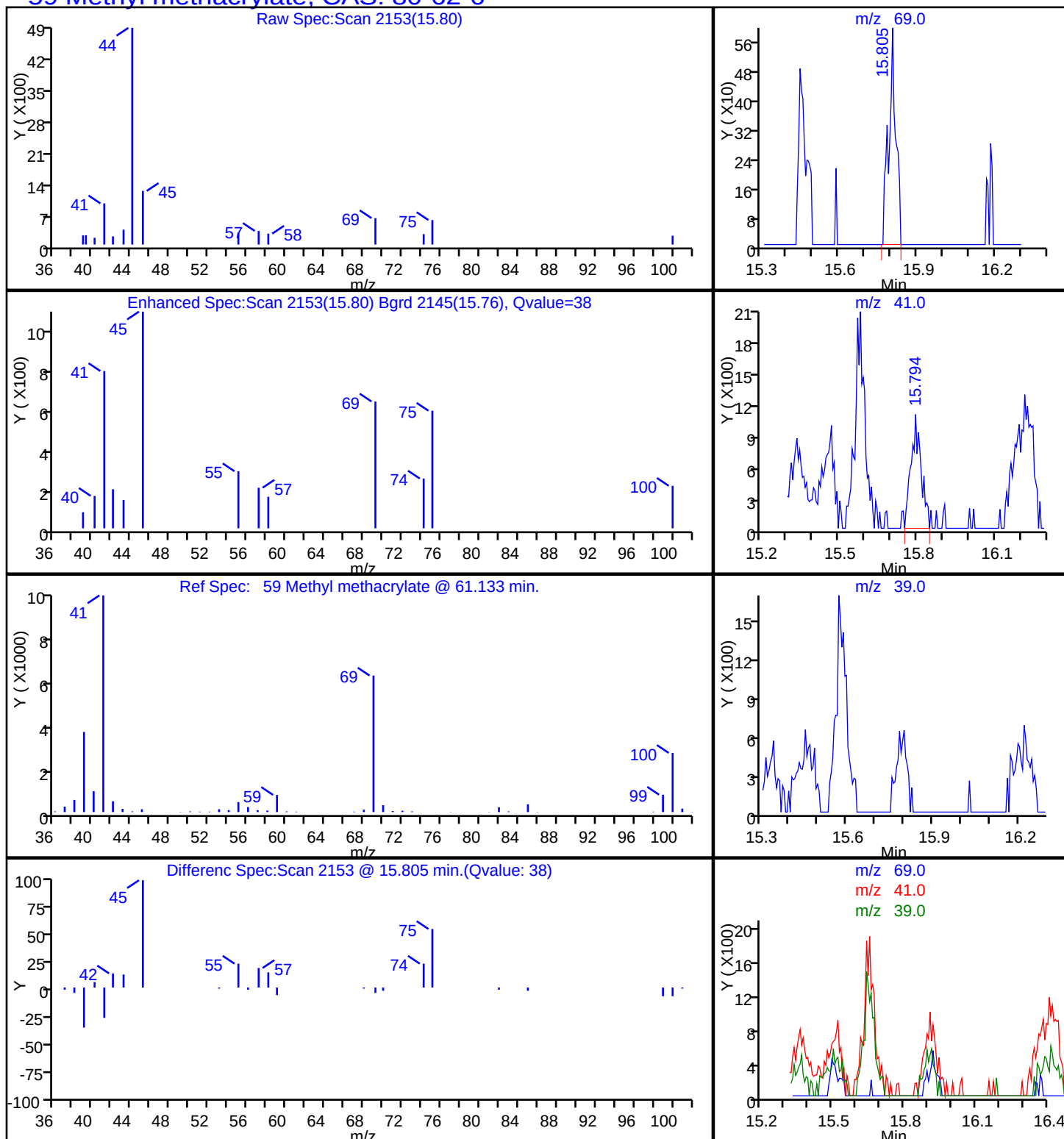
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**59 Methyl methacrylate, CAS: 80-62-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

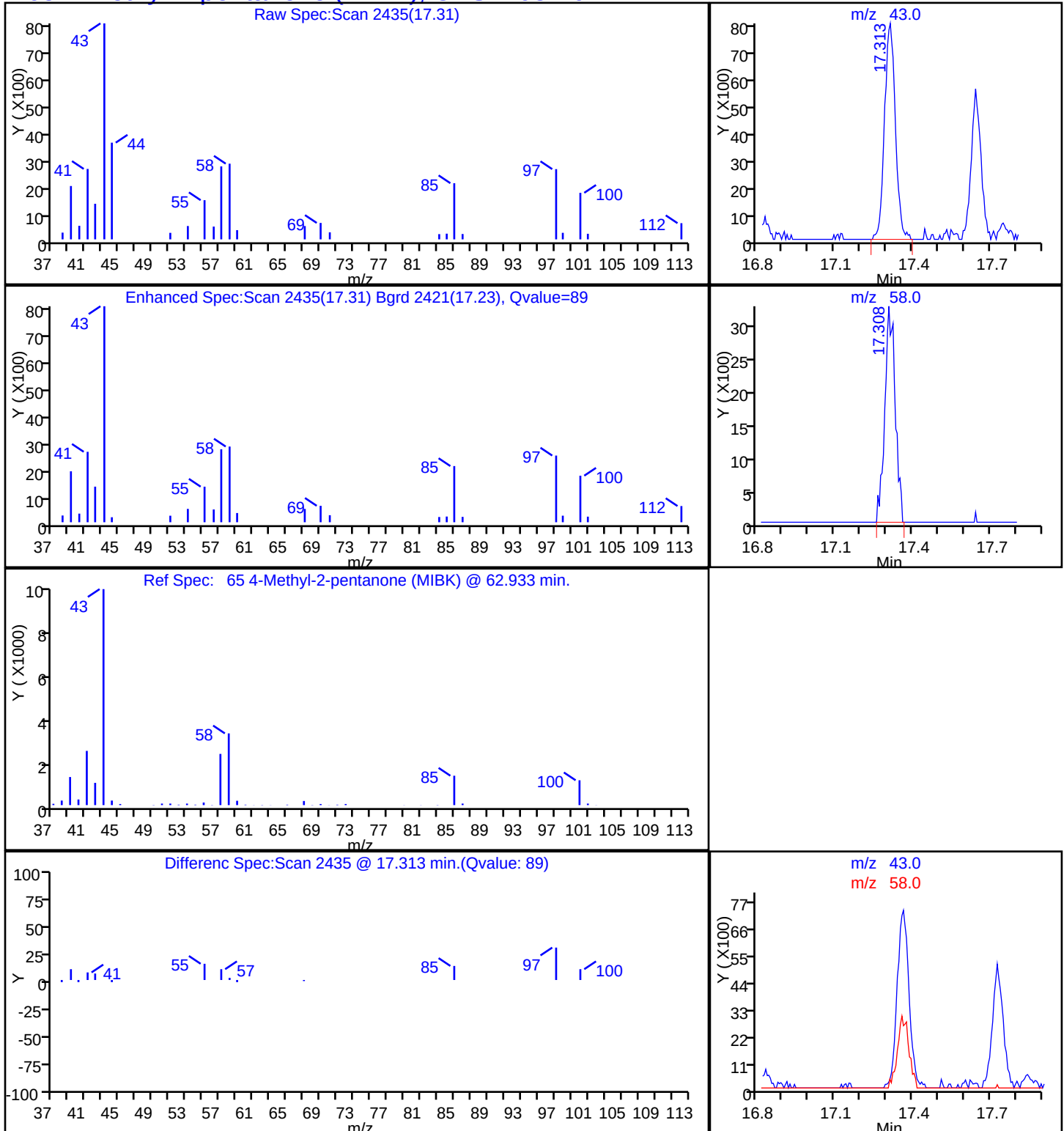
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1





## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

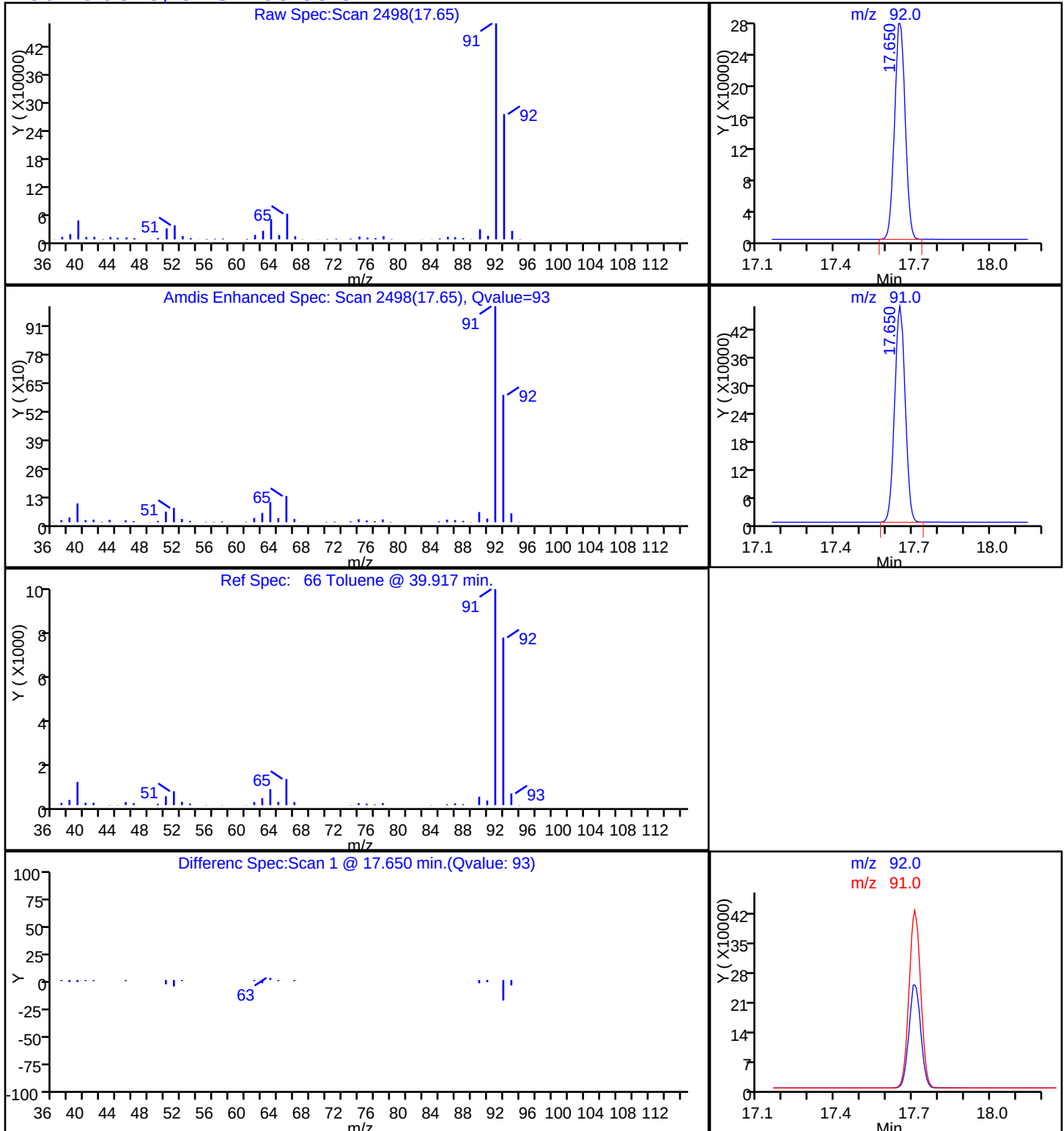
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

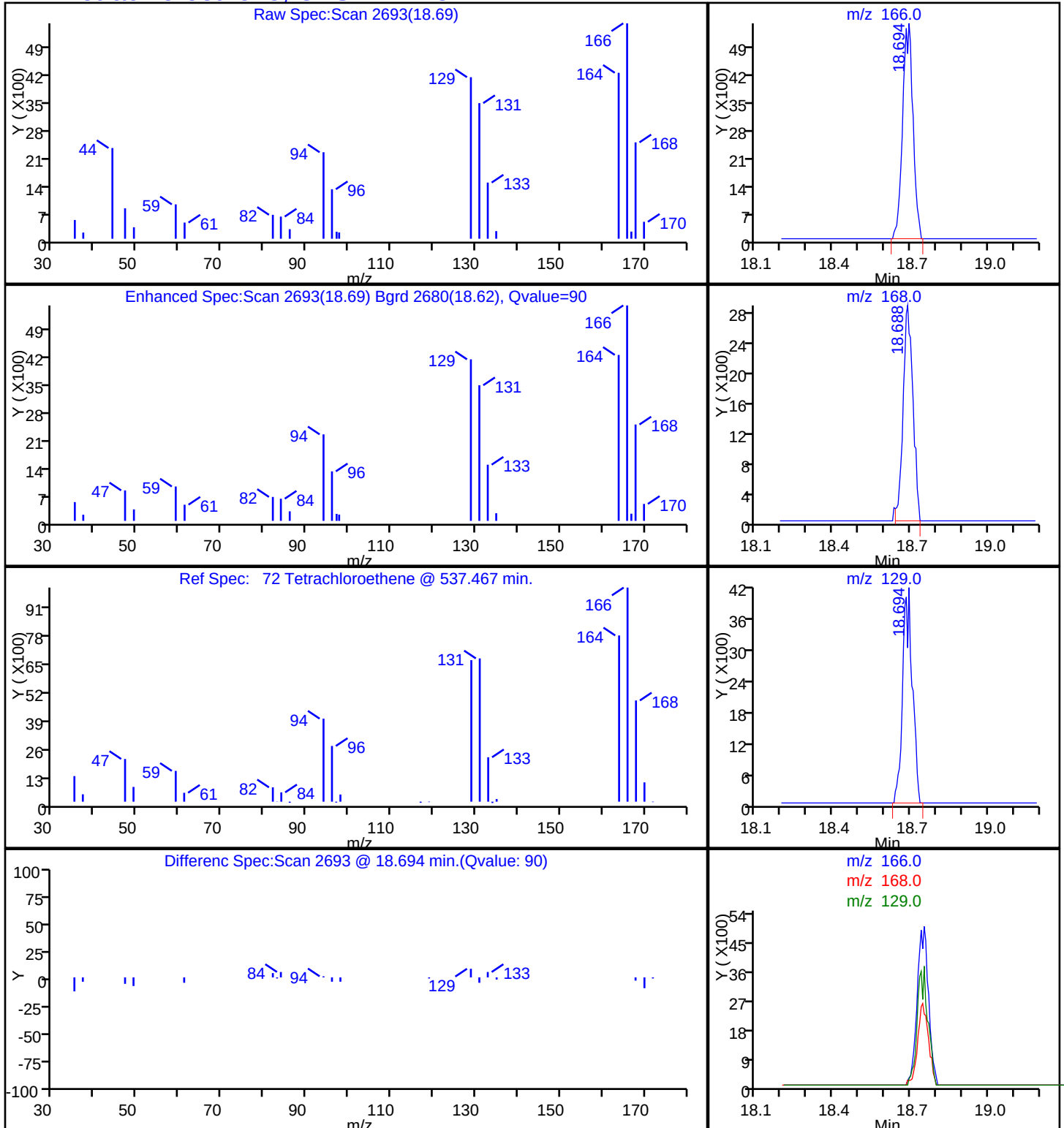
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**72 Tetrachloroethene, CAS: 127-18-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

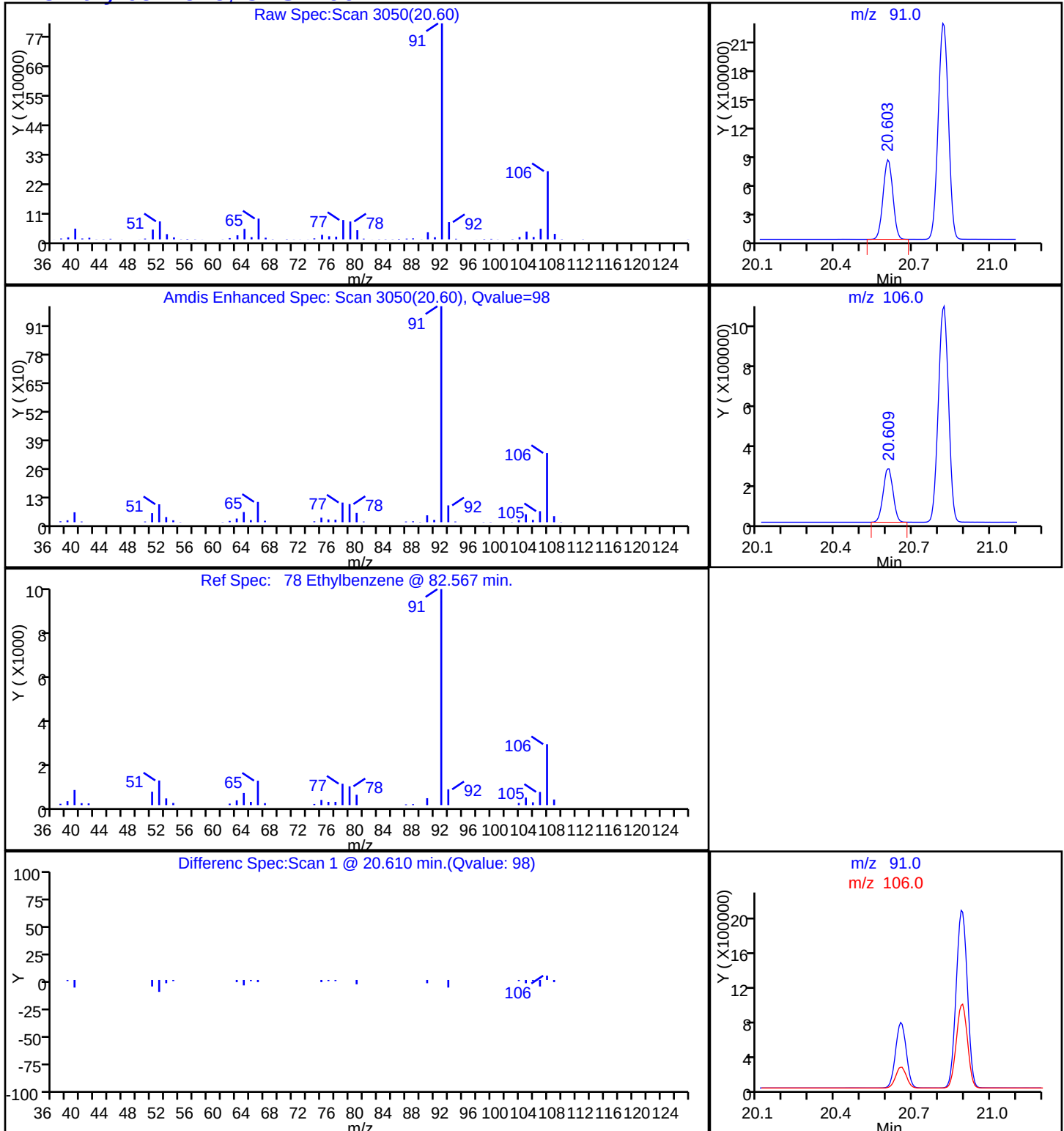
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 78 Ethylbenzene, CAS: 100-41-4



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

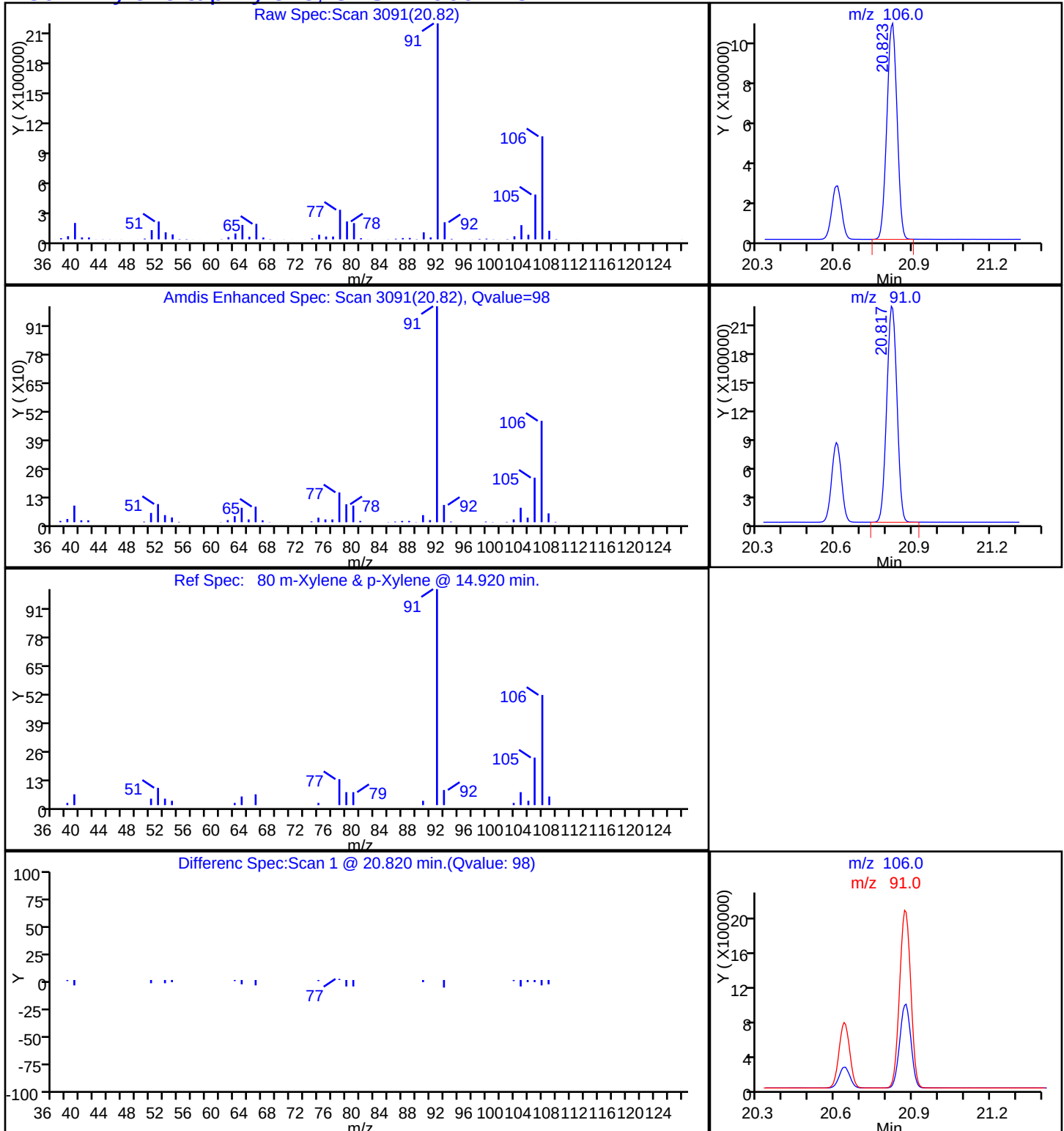
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

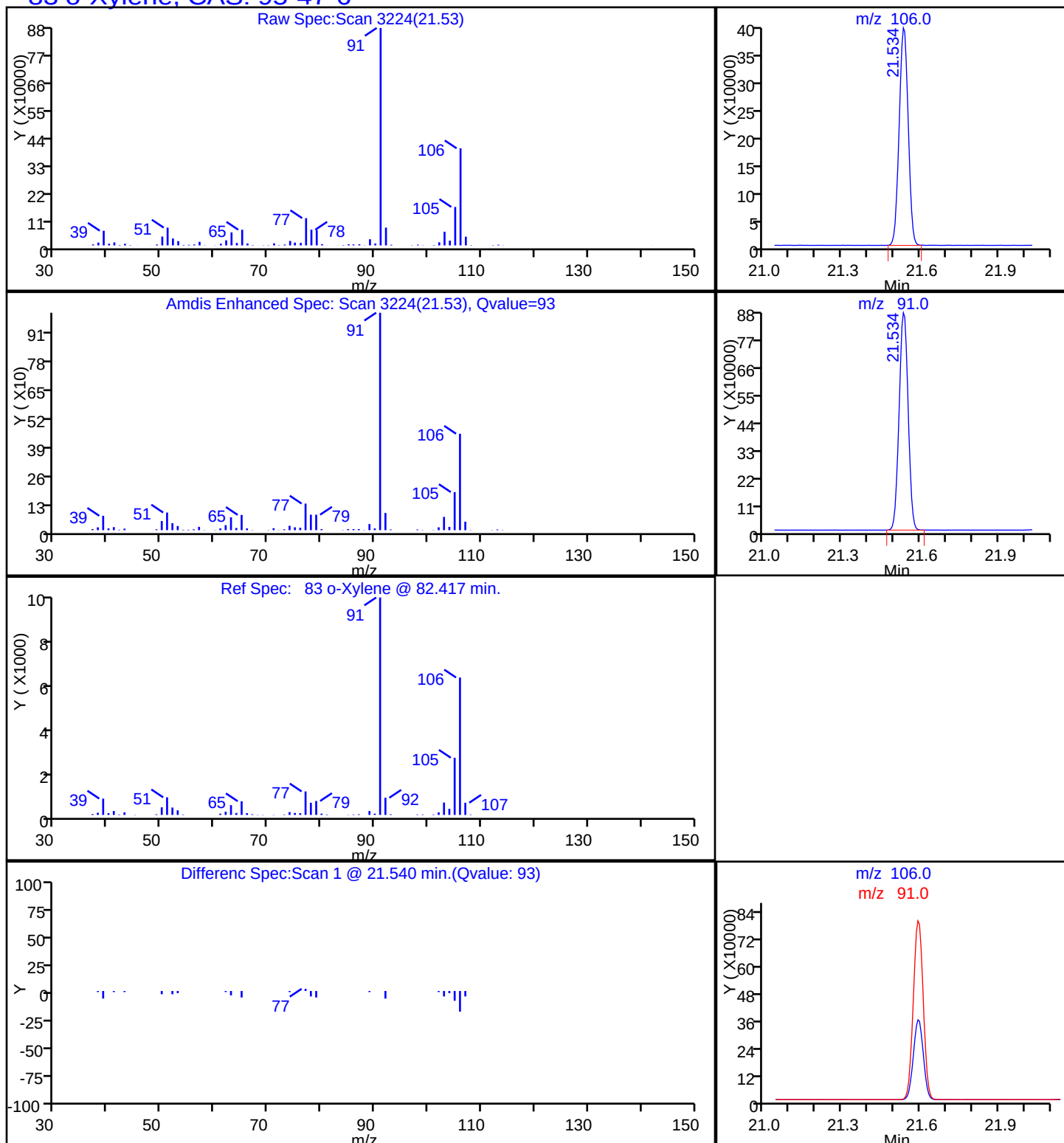
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 83 o-Xylene, CAS: 95-47-6



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

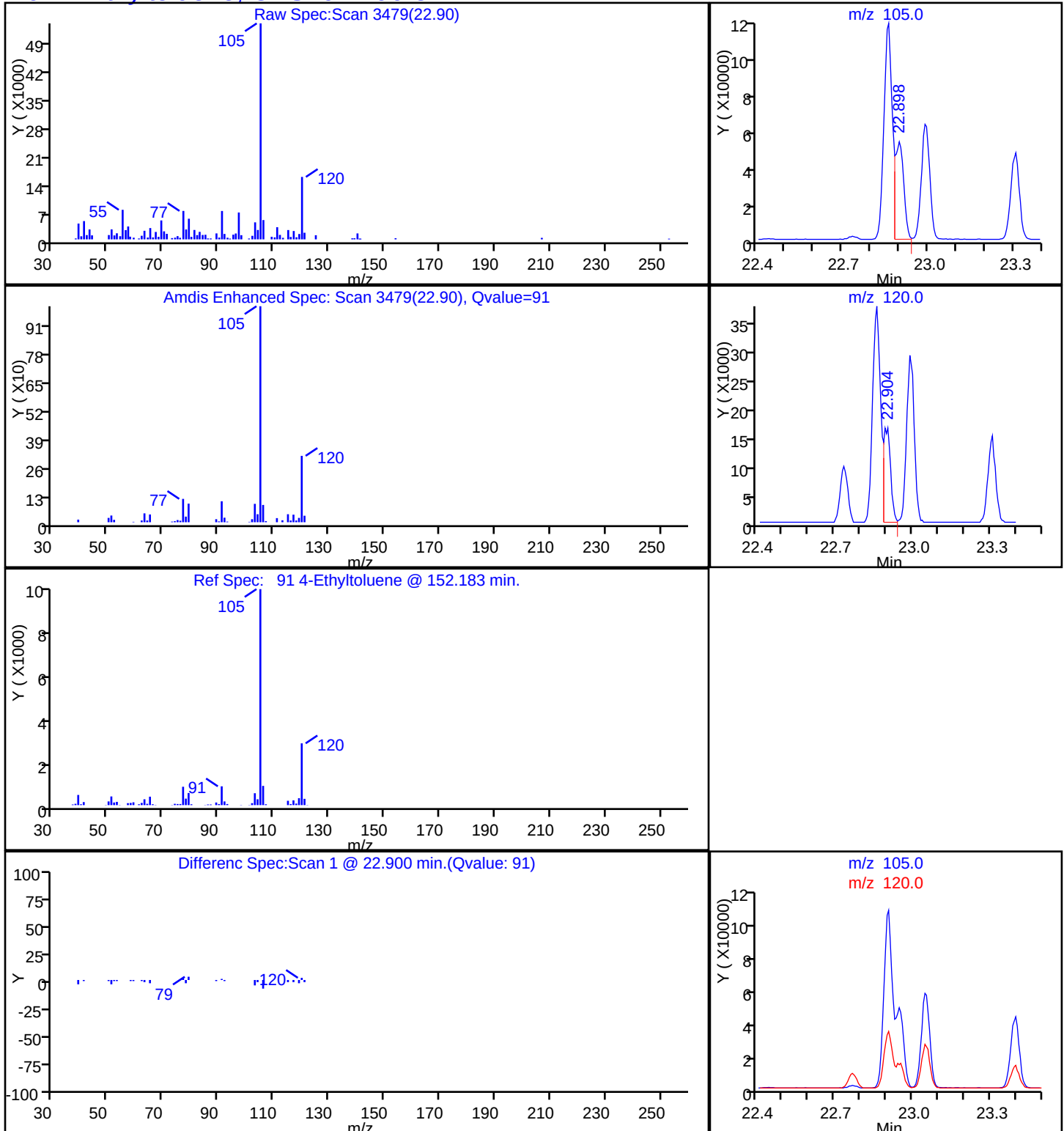
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

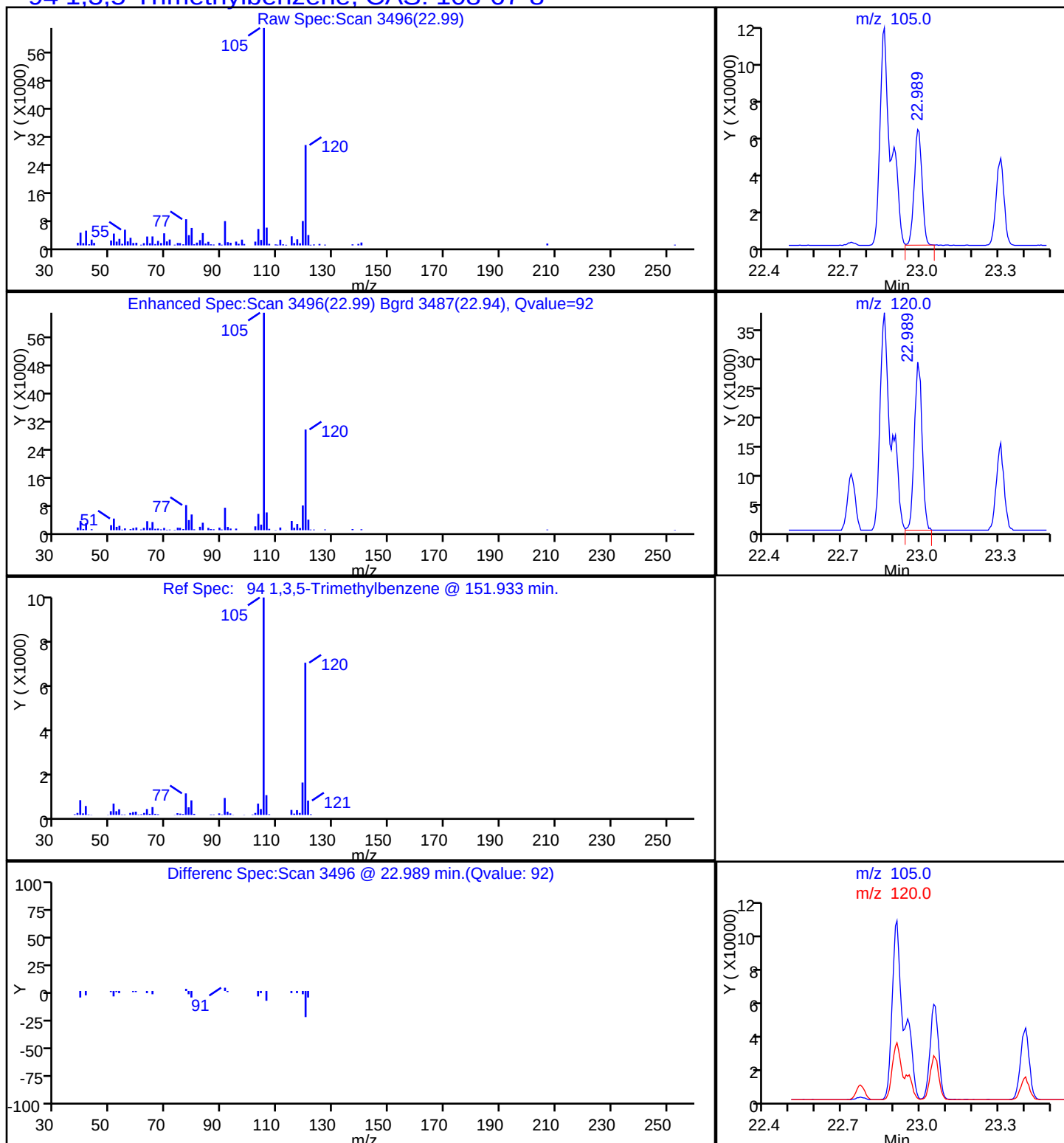
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**94 1,3,5-Trimethylbenzene, CAS: 108-67-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

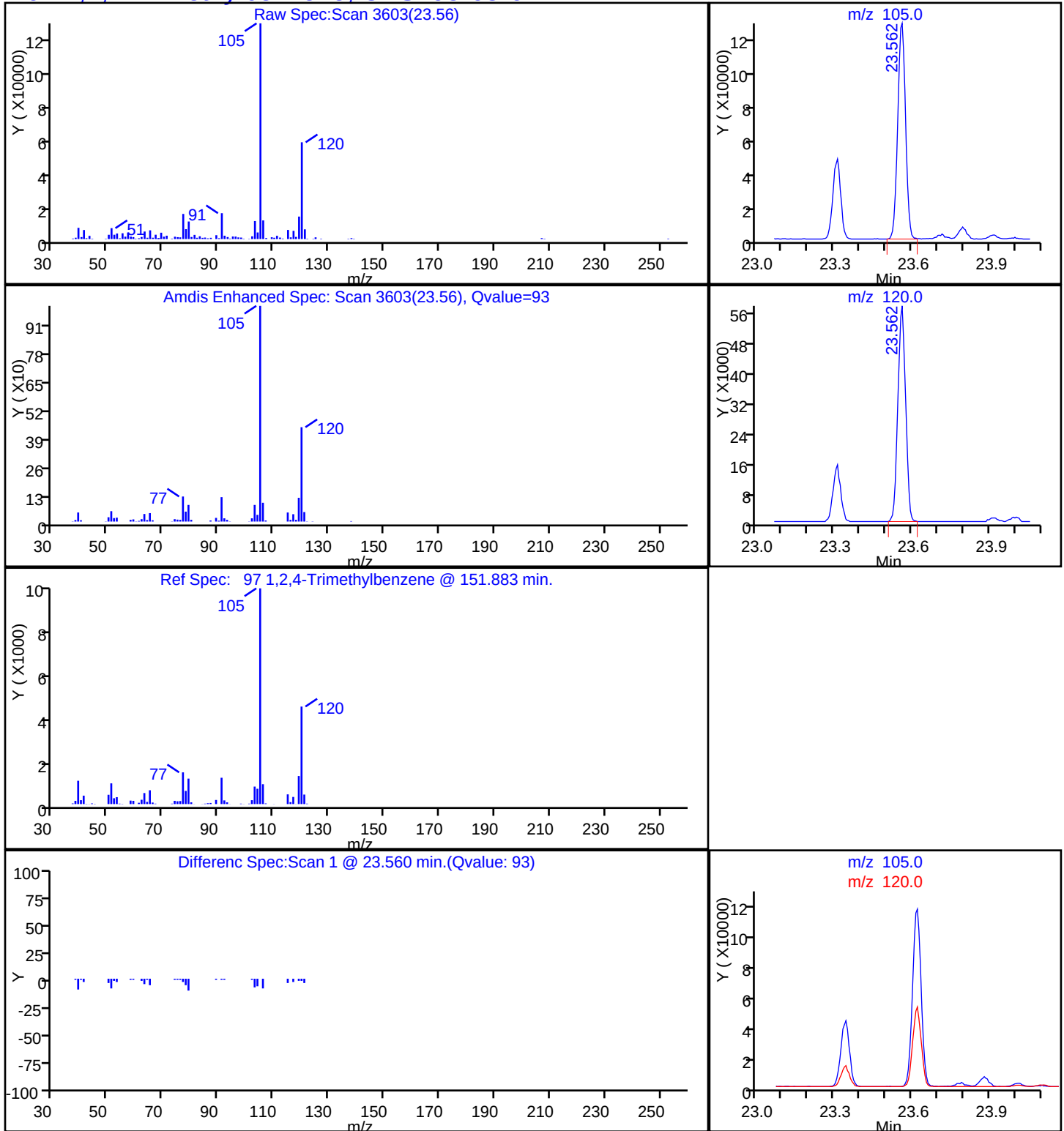
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

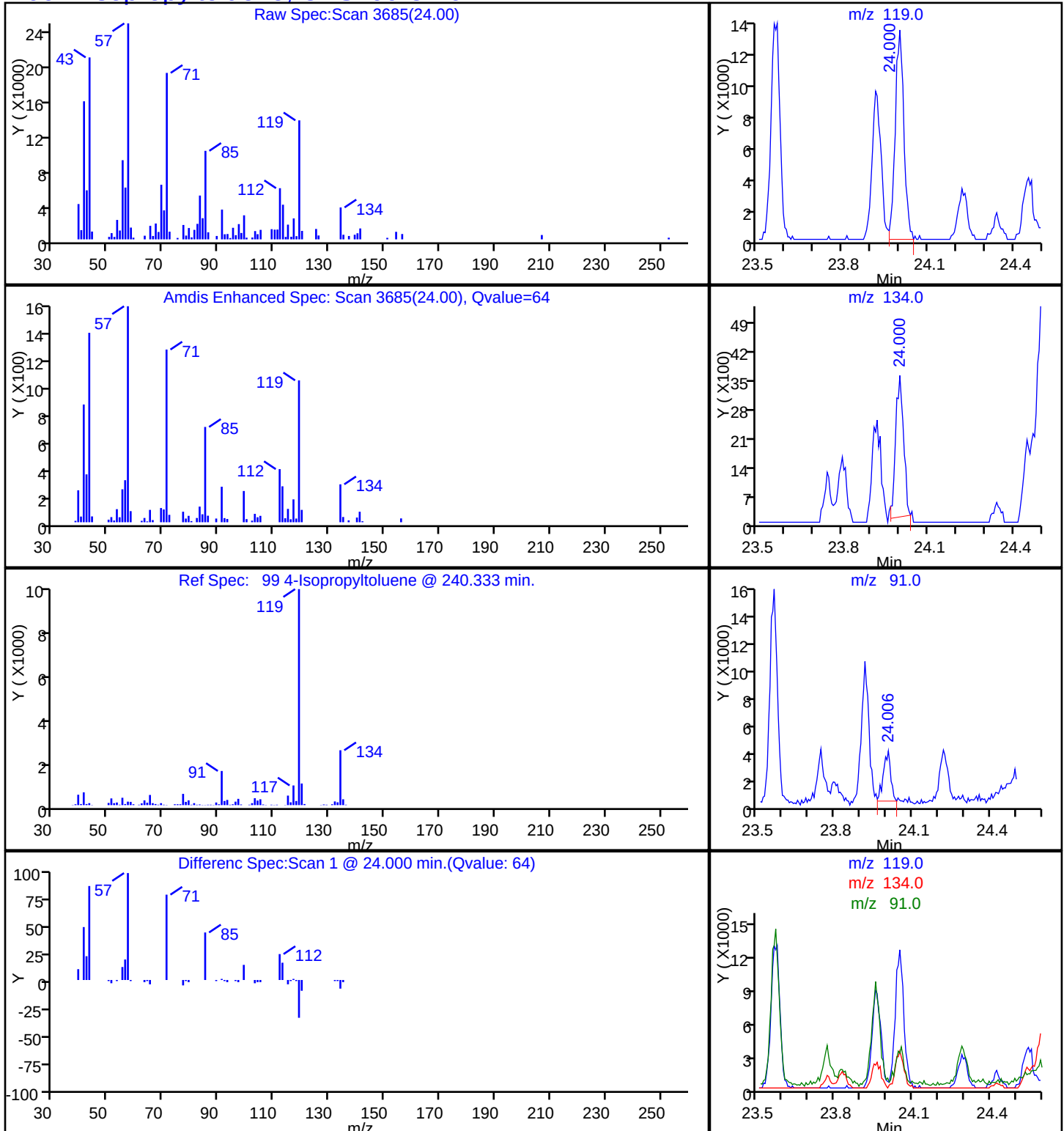
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**99 4-Isopropyltoluene, CAS: 99-87-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5

Worklist Smp#: 9

Purge Vol: 200.000 mL

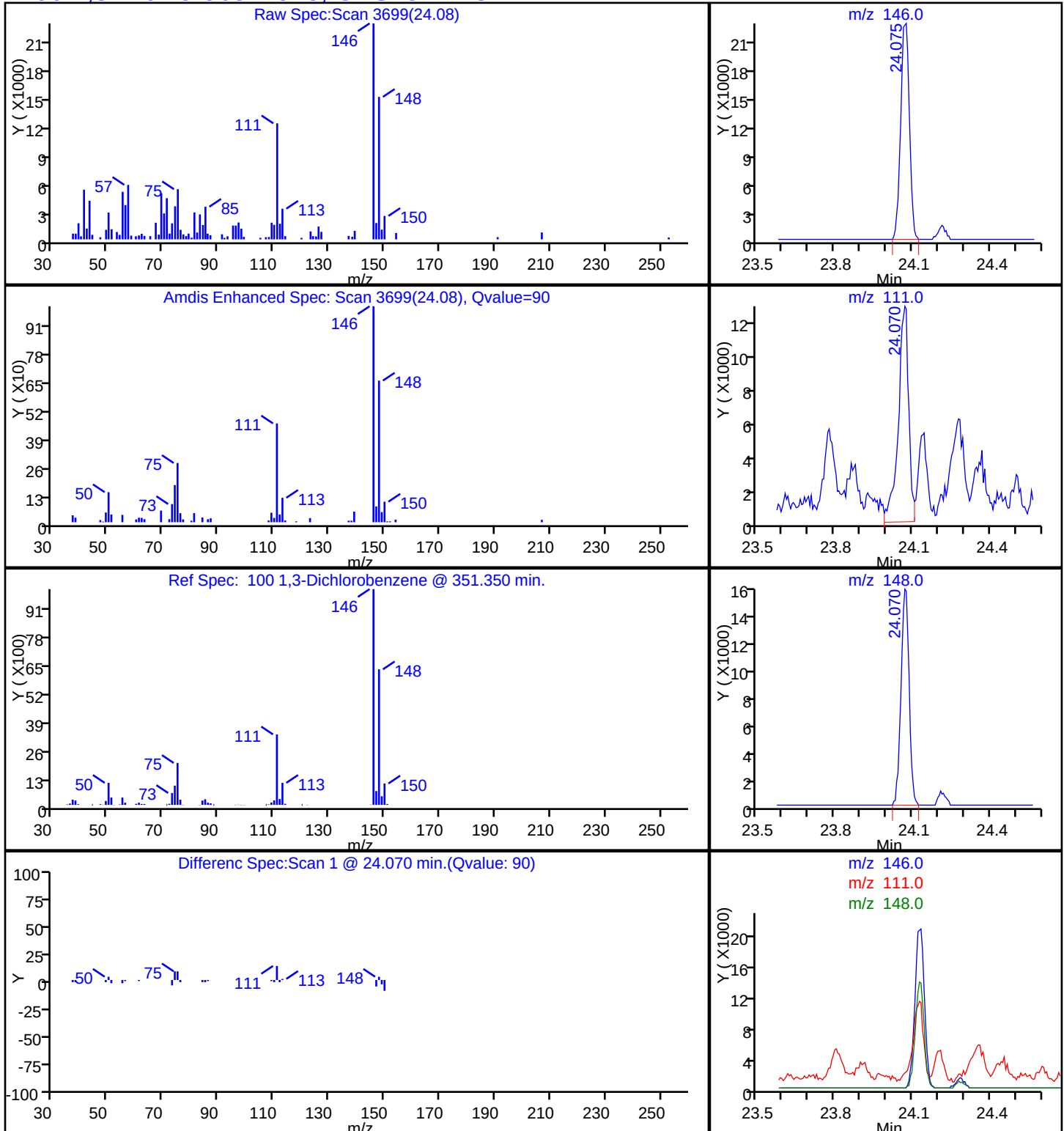
Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**100 1,3-Dichlorobenzene, CAS: 541-73-1**

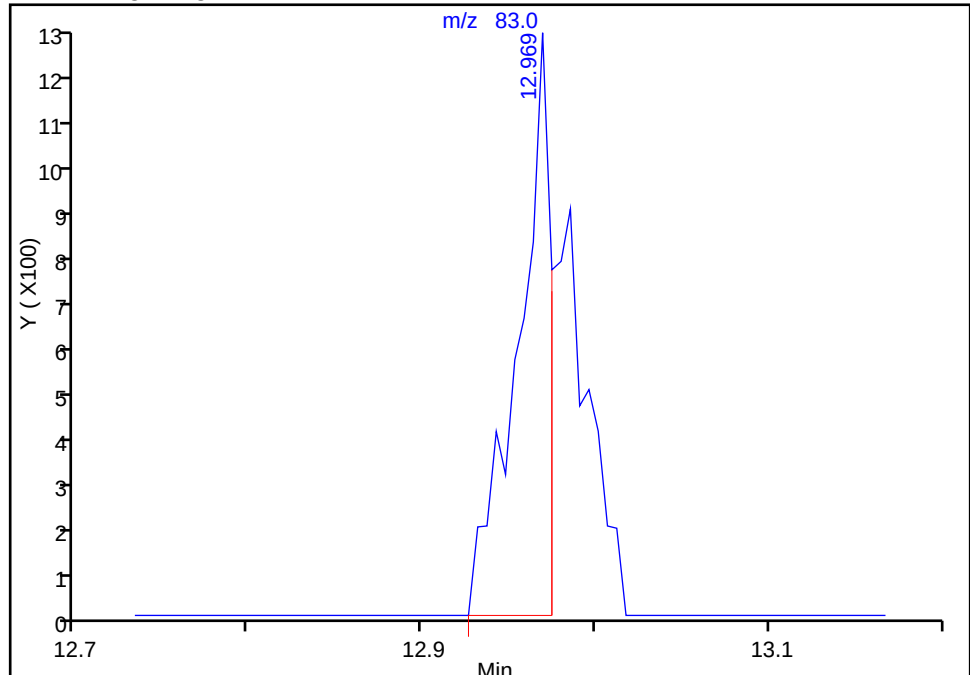
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_008.d |                |              |
| Injection Date: | 25-Apr-2014 17:40:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-2                                          | Lab Sample ID: | 200-54595-2  |
| Client ID:      | 101VMP0201CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 5            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 2.5000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 9            |

## 45 Chloroform, CAS: 67-66-3

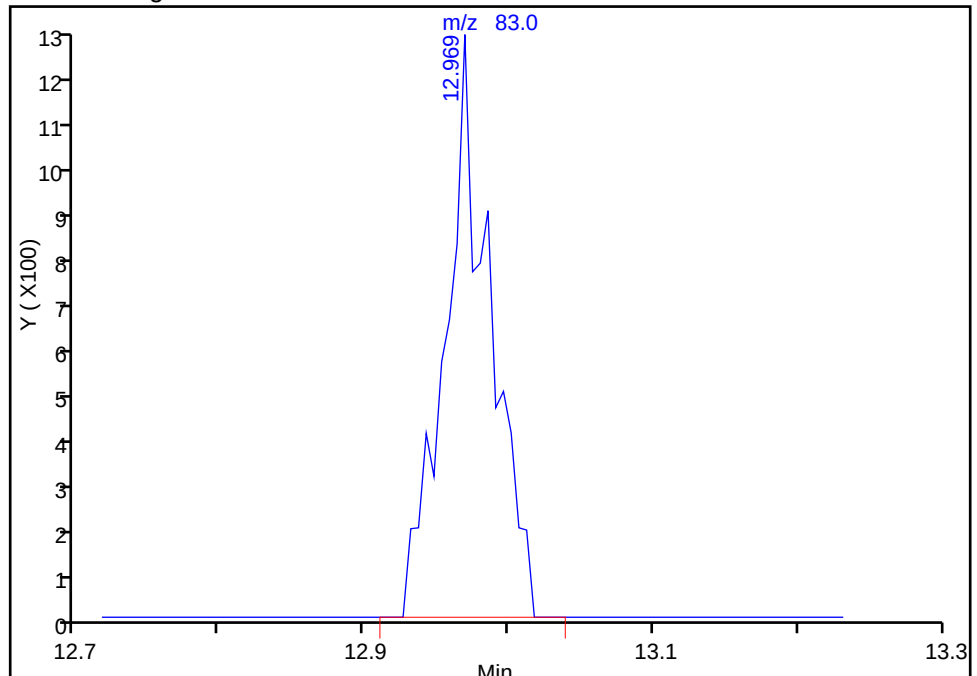
RT: 12.97  
Response: 1675  
Amount: 0.031921

## Processing Integration Results



RT: 12.97  
Response: 2782  
Amount: 0.053017

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

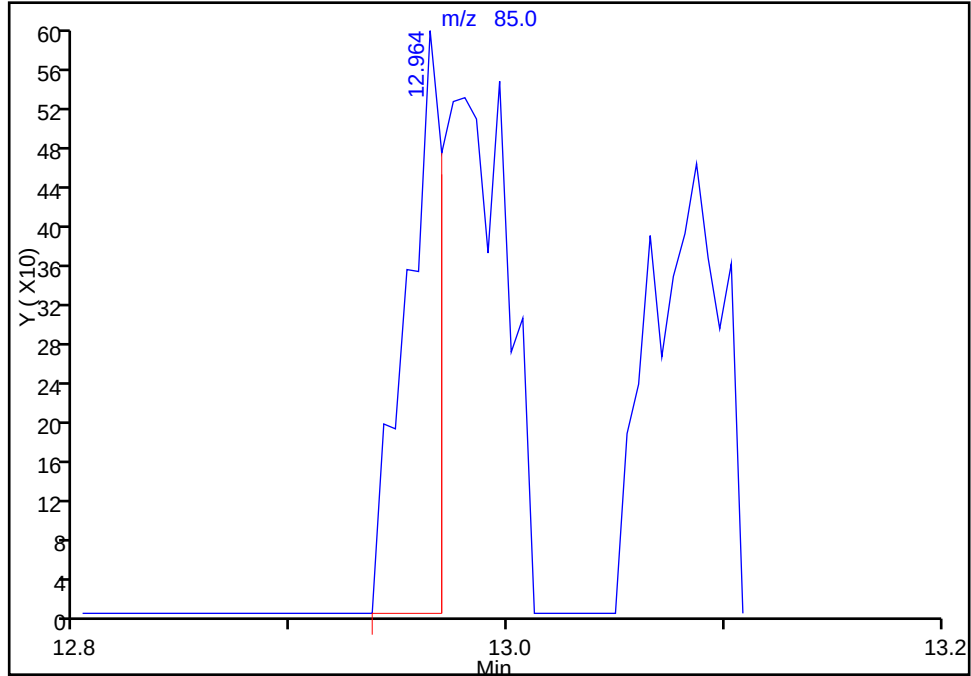
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_008.d |                |              |
| Injection Date: | 25-Apr-2014 17:40:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-2                                          | Lab Sample ID: | 200-54595-2  |
| Client ID:      | 101VMP0201CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 5            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 2.5000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 9            |

## 45 Chloroform, CAS: 67-66-3

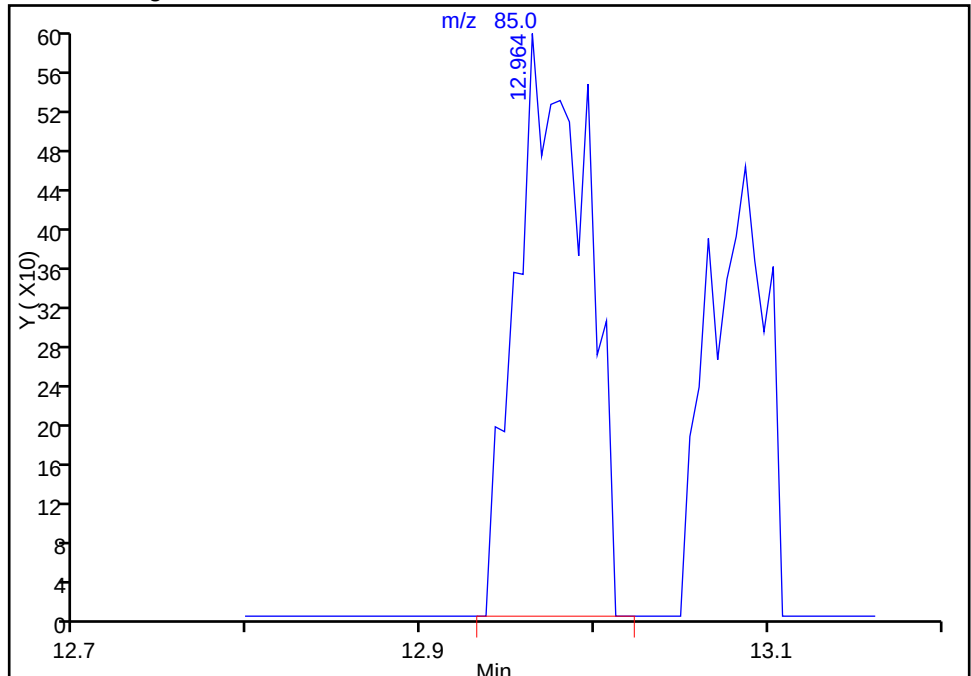
RT: 12.96  
Response: 695  
Amount: 0.031921

## Processing Integration Results



RT: 12.96  
Response: 1677  
Amount: 0.053017

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_008.d |                |              |
| Injection Date: | 25-Apr-2014 17:40:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-2                                          | Lab Sample ID: | 200-54595-2  |
| Client ID:      | 101VMP0201CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 5            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 2.5000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 9            |

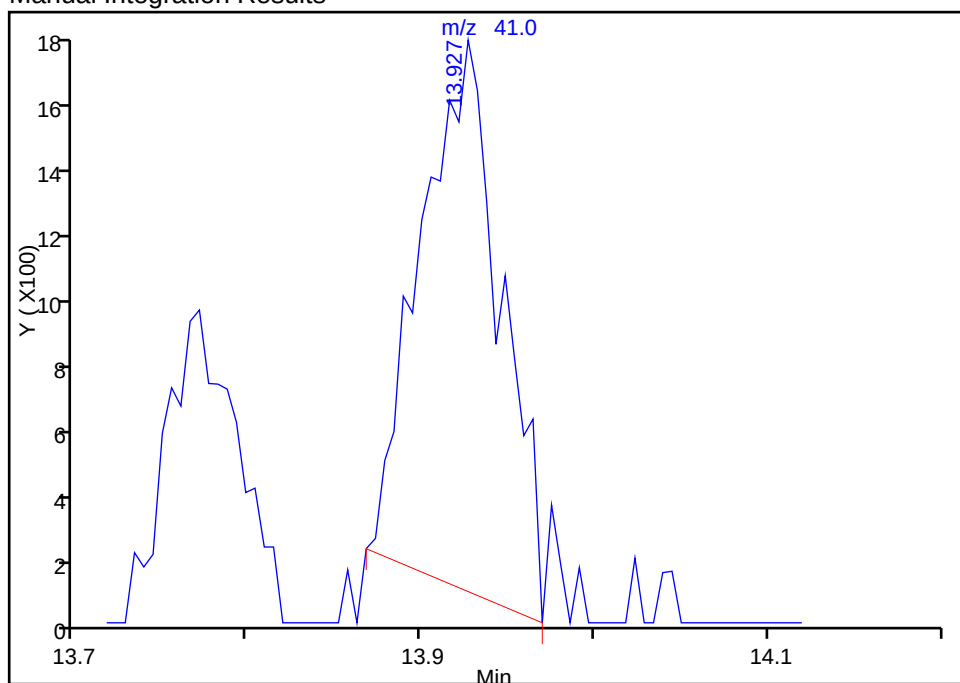
**51 Isooctane, CAS: 540-84-1**

## Processing Integration Results

RT: 13.91  
Response: 0  
Amount: 0.230949

RT: 13.93  
Response: 5348  
Amount: 0.230949

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_008.d |                |              |
| Injection Date: | 25-Apr-2014 17:40:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-2                                          | Lab Sample ID: | 200-54595-2  |
| Client ID:      | 101VMP0201CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 5            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 2.5000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 9            |

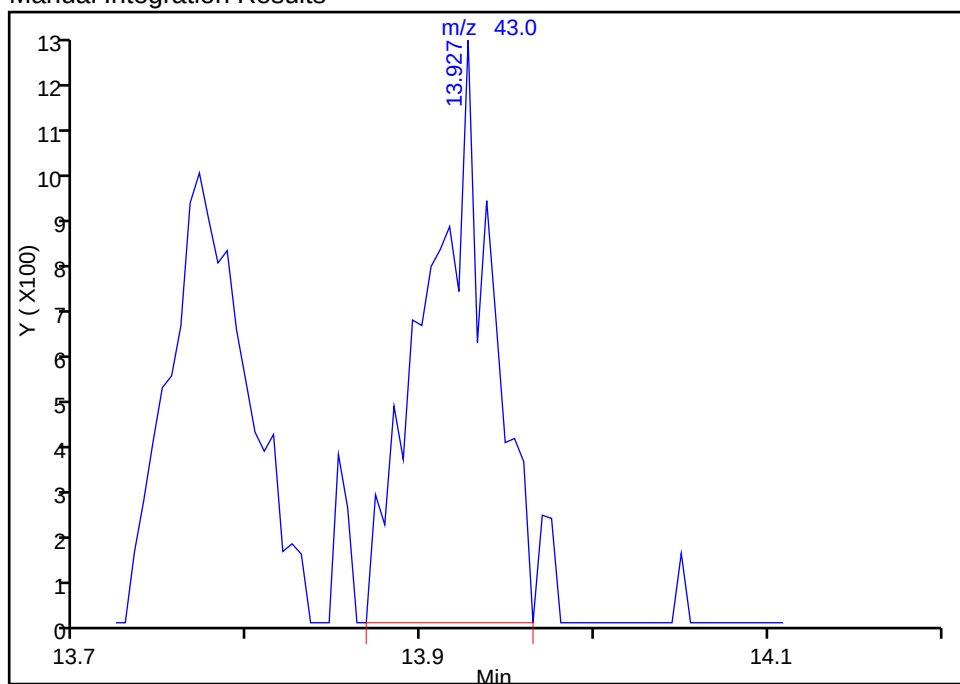
## 51 Isooctane, CAS: 540-84-1

## Processing Integration Results

RT: 13.91  
Response: 0  
Amount: 0.230949

RT: 13.93  
Response: 3378  
Amount: 0.230949

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_008.d

Injection Date: 25-Apr-2014 17:40:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-2

Lab Sample ID: 200-54595-2

Client ID: 101VMP0201CA

Operator ID: pad

ALS Bottle#: 5 Worklist Smp#: 9

Purge Vol: 200.000 mL

Dil. Factor: 2.5000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

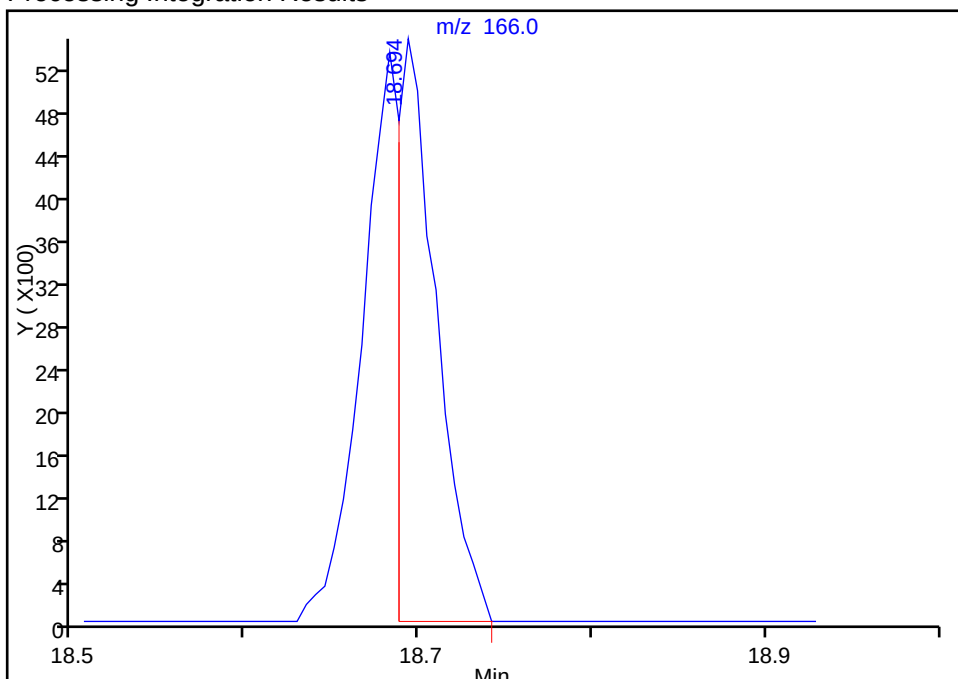
Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

## 72 Tetrachloroethene, CAS: 127-18-4

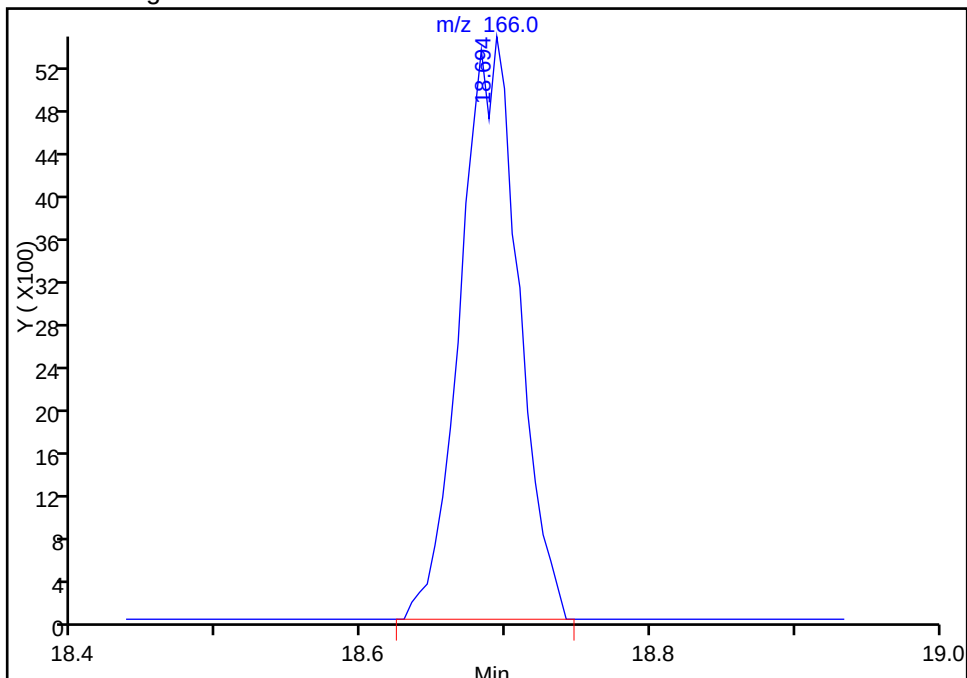
RT: 18.69  
Response: 8580  
Amount: 0.132916

## Processing Integration Results



RT: 18.69  
Response: 15276  
Amount: 0.236646

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24

Audit Action: Manually Integrated

Audit Reason: Baseline Event

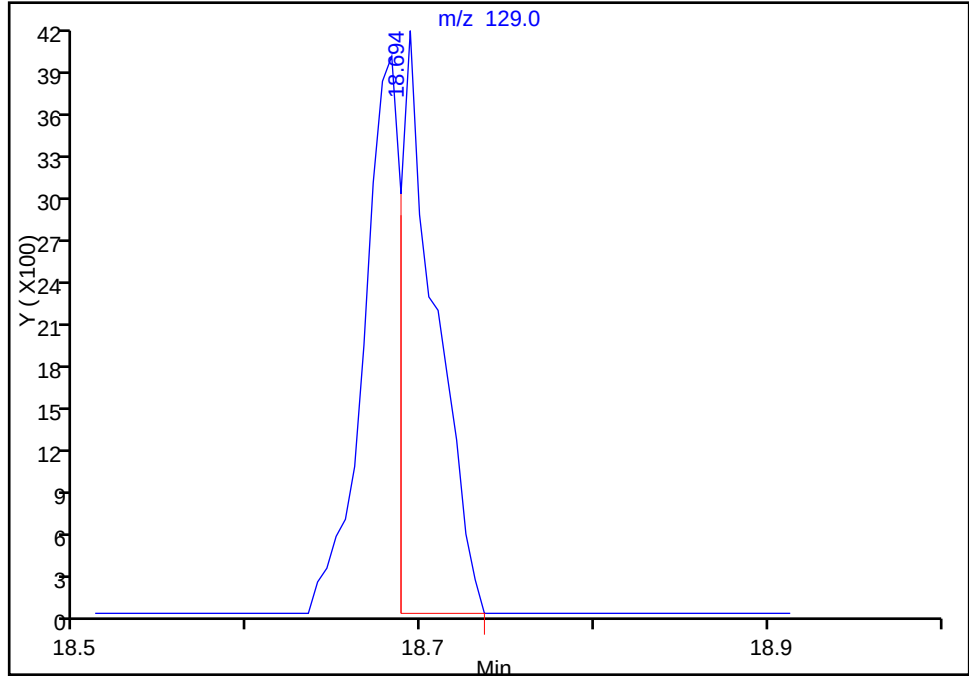
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_008.d |                |              |
| Injection Date: | 25-Apr-2014 17:40:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-2                                          | Lab Sample ID: | 200-54595-2  |
| Client ID:      | 101VMP0201CA                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 5            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 2.5000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 9            |

**72 Tetrachloroethene, CAS: 127-18-4**

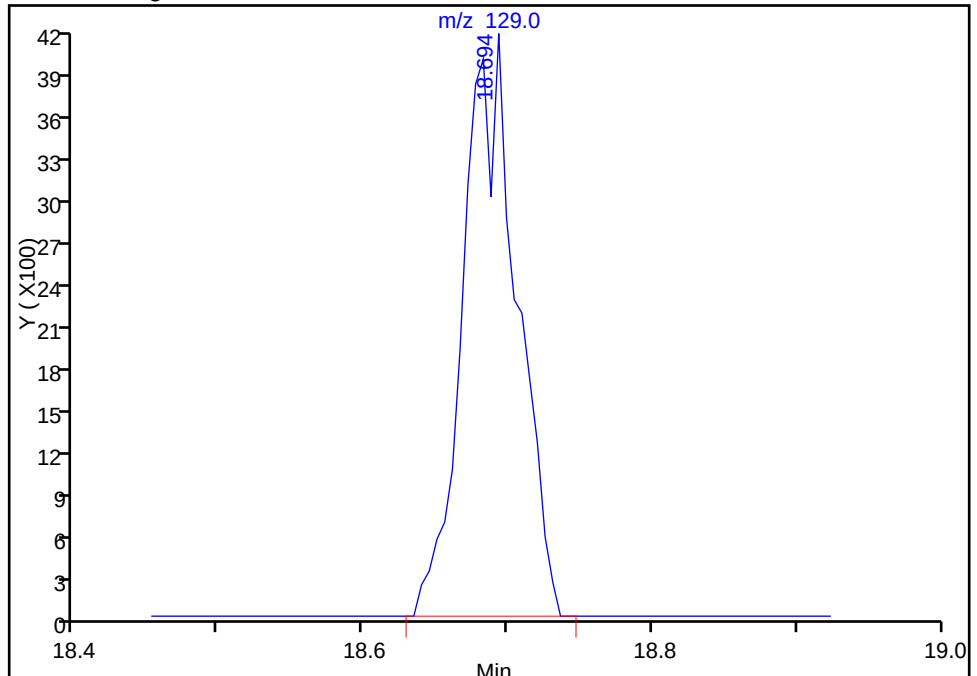
RT: 18.69  
Response: 5749  
Amount: 0.132916

## Processing Integration Results



RT: 18.69  
Response: 10681  
Amount: 0.236646

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:29:24

Audit Action: Manually Integrated

Audit Reason: Baseline Event



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3

Matrix: Air Lab File ID: 7223\_009.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:40

Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-----|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 1.2    | U   | 7.6 | 0.46 |
| 75-45-6   | Freon 22                      | 86.47            | 1.2    | U   | 7.6 | 0.73 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 1.2    | U   | 3.0 | 0.53 |
| 74-87-3   | Chloromethane                 | 50.49            | 7.6    | U   | 7.6 | 2.1  |
| 106-97-8  | n-Butane                      | 58.12            | 7.6    | U   | 7.6 | 4.3  |
| 75-01-4   | Vinyl chloride                | 62.50            | 1.2    | U   | 3.0 | 0.58 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 1.2    | U   | 3.0 | 0.64 |
| 74-83-9   | Bromomethane                  | 94.94            | 1.2    | U   | 3.0 | 0.43 |
| 75-00-3   | Chloroethane                  | 64.52            | 1.2    | U   | 7.6 | 0.46 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 1.2    | U   | 3.0 | 0.46 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.61   | J D | 3.0 | 0.46 |
| 76-13-1   | Freon TF                      | 187.38           | 0.46   | U   | 3.0 | 0.27 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 1.2    | U   | 3.0 | 0.36 |
| 67-64-1   | Acetone                       | 58.08            | 130    | D   | 76  | 19   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 8.9    | J D | 76  | 3.3  |
| 75-15-0   | Carbon disulfide              | 76.14            | 3.0    | U   | 7.6 | 1.0  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 1.2    | U   | 7.6 | 0.52 |
| 75-09-2   | Methylene Chloride            | 84.93            | 3.0    | U   | 7.6 | 1.9  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 7.6    | U   | 76  | 5.0  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 1.2    | U   | 3.0 | 0.33 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 1.2    | U   | 3.0 | 0.44 |
| 110-54-3  | n-Hexane                      | 86.17            | 1.2    | U   | 3.0 | 0.52 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 1.2    | U   | 3.0 | 0.58 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 180    | D   | 7.6 | 3.7  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 1.2    | U   | 3.0 | 0.58 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 1.2    | U   | 3.0 | 0.97 |
| 67-66-3   | Chloroform                    | 119.38           | 1.2    | U   | 3.0 | 0.38 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 440    | D   | 76  | 0.70 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 1.2    | U   | 3.0 | 0.32 |
| 110-82-7  | Cyclohexane                   | 84.16            | 1.2    | U   | 3.0 | 0.38 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 1.2    | U   | 3.0 | 0.32 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 1.2    | U   | 3.0 | 0.41 |
| 71-43-2   | Benzene                       | 78.11            | 0.46   | U   | 3.0 | 0.29 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.46   | U   | 3.0 | 0.26 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3

Matrix: Air Lab File ID: 7223\_009.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:40

Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|-----|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 1.2    | U   | 3.0 | 0.70 |
| 79-01-6     | Trichloroethene                  | 131.39           | 9.3    | D   | 3.0 | 0.36 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 1.2    | U   | 7.6 | 0.46 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 1.2    | U   | 3.0 | 0.49 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 3.0    | U   | 76  | 3.0  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.46   | U   | 3.0 | 0.26 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 1.2    | U   | 3.0 | 0.43 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 56     | D   | 7.6 | 0.41 |
| 108-88-3    | Toluene                          | 92.14            | 130    | D   | 3.0 | 0.26 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 1.2    | U   | 3.0 | 0.33 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.46   | U   | 3.0 | 0.26 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 4.2    | D   | 3.0 | 0.24 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 3.0    | U   | 7.6 | 3.0  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.46   | U   | 3.0 | 0.30 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 1.2    | U   | 3.0 | 0.30 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.46   | U   | 3.0 | 0.12 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 2.3    | J D | 3.0 | 0.20 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 7.5    | J D | 7.6 | 0.35 |
| 95-47-6     | Xylene, o-                       | 106.17           | 2.3    | J D | 3.0 | 0.24 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 9.8    |     | 3.0 | 0.52 |
| 100-42-5    | Styrene                          | 104.15           | 0.46   | U   | 3.0 | 0.27 |
| 75-25-2     | Bromoform                        | 252.75           | 0.46   | U   | 3.0 | 0.15 |
| 98-82-8     | Cumene                           | 120.19           | 0.46   | U   | 3.0 | 0.24 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.46   | U   | 3.0 | 0.24 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 1.2    | U   | 3.0 | 1.2  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.46   | U   | 3.0 | 0.27 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.46   | U   | 3.0 | 0.18 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.46   | U   | 3.0 | 0.20 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.46   | U   | 3.0 | 0.26 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.22   | J D | 3.0 | 0.21 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 1.2    | U   | 3.0 | 1.2  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 1.2    | U   | 3.0 | 1.2  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.32   | J D | 3.0 | 0.21 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.46   | U   | 3.0 | 0.21 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3  
Matrix: Air Lab File ID: 7223\_009.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:40  
Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 1.2    | U | 3.0 | 1.2  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 1.2    | U | 3.0 | 1.2  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.46   | U | 3.0 | 0.21 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 1.2    | U | 7.6 | 0.41 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 1.2    | U | 3.0 | 0.33 |
| 91-20-3  | Naphthalene            | 128.17           | 3.0    | U | 7.6 | 3.0  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3

Matrix: Air Lab File ID: 7223\_009.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:40

Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-----|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 6.0    | U   | 38  | 2.3  |
| 75-45-6   | Freon 22                      | 86.47            | 4.3    | U   | 27  | 2.6  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 8.5    | U   | 21  | 3.7  |
| 74-87-3   | Chloromethane                 | 50.49            | 16     | U   | 16  | 4.3  |
| 106-97-8  | n-Butane                      | 58.12            | 18     | U   | 18  | 10   |
| 75-01-4   | Vinyl chloride                | 62.50            | 3.1    | U   | 7.8 | 1.5  |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 2.7    | U   | 6.7 | 1.4  |
| 74-83-9   | Bromomethane                  | 94.94            | 4.7    | U   | 12  | 1.7  |
| 75-00-3   | Chloroethane                  | 64.52            | 3.2    | U   | 20  | 1.2  |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 5.3    | U   | 13  | 2.0  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 3.4    | J D | 17  | 2.6  |
| 76-13-1   | Freon TF                      | 187.38           | 3.5    | U   | 23  | 2.1  |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 4.8    | U   | 12  | 1.4  |
| 67-64-1   | Acetone                       | 58.08            | 310    | D   | 180 | 45   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 22     | J D | 190 | 8.0  |
| 75-15-0   | Carbon disulfide              | 76.14            | 9.5    | U   | 24  | 3.1  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 3.8    | U   | 24  | 1.6  |
| 75-09-2   | Methylene Chloride            | 84.93            | 11     | U   | 26  | 6.6  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 23     | U   | 230 | 15   |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 4.4    | U   | 11  | 1.2  |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 4.8    | U   | 12  | 1.7  |
| 110-54-3  | n-Hexane                      | 86.17            | 4.3    | U   | 11  | 1.8  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 4.9    | U   | 12  | 2.3  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 540    | D   | 22  | 11   |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 4.8    | U   | 12  | 2.3  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 4.8    | U   | 12  | 3.9  |
| 67-66-3   | Chloroform                    | 119.38           | 5.9    | U   | 15  | 1.9  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 1300   | D   | 220 | 2.1  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 6.6    | U   | 17  | 1.7  |
| 110-82-7  | Cyclohexane                   | 84.16            | 4.2    | U   | 10  | 1.3  |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 7.6    | U   | 19  | 2.0  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 5.7    | U   | 14  | 1.9  |
| 71-43-2   | Benzene                       | 78.11            | 1.5    | U   | 9.7 | 0.92 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 1.8    | U   | 12  | 1.0  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3

Matrix: Air Lab File ID: 7223\_009.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:40

Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|-----|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 5.0    | U   | 12  | 2.9  |
| 79-01-6     | Trichloroethene                  | 131.39           | 50     | D   | 16  | 2.0  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 5.0    | U   | 31  | 1.9  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 5.6    | U   | 14  | 2.2  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 11     | U   | 270 | 11   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 3.1    | U   | 20  | 1.7  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 5.5    | U   | 14  | 1.9  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 230    | D   | 31  | 1.7  |
| 108-88-3    | Toluene                          | 92.14            | 500    | D   | 11  | 0.97 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 5.5    | U   | 14  | 1.5  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 2.5    | U   | 17  | 1.4  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 29     | D   | 21  | 1.6  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 12     | U   | 31  | 12   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 3.9    | U   | 26  | 2.6  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 9.3    | U   | 23  | 2.3  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 2.1    | U   | 14  | 0.57 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 9.9    | J D | 13  | 0.86 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 33     | J D | 33  | 1.5  |
| 95-47-6     | Xylene, o-                       | 106.17           | 10     | J D | 13  | 1.1  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 43     |     | 13  | 2.2  |
| 100-42-5    | Styrene                          | 104.15           | 1.9    | U   | 13  | 1.2  |
| 75-25-2     | Bromoform                        | 252.75           | 4.7    | U   | 31  | 1.6  |
| 98-82-8     | Cumene                           | 120.19           | 2.2    | U   | 15  | 1.2  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 3.1    | U   | 21  | 1.7  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 6.0    | U   | 15  | 6.0  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 2.2    | U   | 15  | 1.3  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 2.2    | U   | 15  | 0.90 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 2.4    | U   | 16  | 1.0  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 2.5    | U   | 17  | 1.4  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 1.1    | J D | 15  | 1.0  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 6.7    | U   | 17  | 6.7  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 6.7    | U   | 17  | 6.7  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 1.9    | J D | 18  | 1.3  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 2.7    | U   | 18  | 1.3  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0301CA Lab Sample ID: 280-54595-3  
Matrix: Air Lab File ID: 7223\_009.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:40  
Sample wt/vol: 27 (mL) Date Analyzed: 04/25/2014 18:28  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 15.2  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL  |
|----------|------------------------|------------------|--------|---|-----|-----|
| 100-44-7 | Benzyl chloride        | 126.58           | 6.3    | U | 16  | 6.3 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 6.7    | U | 17  | 6.7 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 2.7    | U | 18  | 1.3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 9.0    | U | 56  | 3.0 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 13     | U | 32  | 3.6 |
| 91-20-3  | Naphthalene            | 128.17           | 16     | U | 40  | 16  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d  
 Lims ID: 280-54595-A-3 Lab Sample ID: 200-54595-3  
 Client ID: 101VMP0301CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 18:28:30 ALS Bottle#: 6 Worklist Smp#: 10  
 Purge Vol: 200.000 mL Dil. Factor: 15.2000  
 Sample Info: 200-0007223-010  
 Misc. Info.: 280-54595-A-3  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:32:50 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:30:13

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 2 Dichlorodifluoromethane      | 85  |              | 4.474            |                  |    |          |                      |       |
| 6 Chlorodifluoromethane        | 51  |              | 4.544            |                  |    |          |                      |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |              | 4.827            |                  |    |          |                      |       |
| 8 Chloromethane                | 50  |              | 5.025            |                  |    |          |                      |       |
| 9 Butane                       | 43  |              | 5.287            |                  |    |          |                      |       |
| 10 Vinyl chloride              | 62  |              | 5.341            |                  |    |          |                      |       |
| 11 Butadiene                   | 54  |              | 5.448            |                  |    |          |                      |       |
| 12 Bromomethane                | 94  |              | 6.314            |                  |    |          |                      |       |
| 14 Chloroethane                | 64  |              | 6.587            |                  |    |          |                      |       |
| 16 Vinyl bromide               | 106 |              | 7.074            |                  |    |          |                      |       |
| 17 Trichlorofluoromethane      | 101 | 7.160        | 7.186            | -0.026           | 13 | 3240     | 0.0403               |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |              | 8.428            |                  |    |          |                      |       |
| 24 1,1-Dichloroethene          | 96  |              | 8.508            |                  |    |          |                      |       |
| 25 Acetone                     | 43  | 8.743        | 8.743            | 0.000            | 85 | 192283   | 8.45                 |       |
| 26 Carbon disulfide            | 76  |              | 9.000            |                  |    |          |                      |       |
| 27 Isopropyl alcohol           | 45  | 9.021        | 9.043            | -0.022           | 73 | 11188    | 0.5871               |       |
| 29 3-Chloro-1-propene          | 41  |              | 9.396            |                  |    |          |                      |       |
| 31 Methylene Chloride          | 49  |              | 9.722            |                  |    |          |                      |       |
| 32 2-Methyl-2-propanol         | 59  |              | 9.909            |                  |    |          |                      |       |
| 33 Methyl tert-butyl ether     | 73  |              | 10.155           |                  |    |          |                      |       |
| S 41 1,2-Dichloroethene, Total | 61  |              | 10.200           |                  |    |          |                      |       |
| 34 trans-1,2-Dichloroethene    | 61  |              | 10.225           |                  |    |          |                      |       |
| 36 Hexane                      | 57  |              | 10.642           |                  |    |          |                      |       |
| 37 1,1-Dichloroethane          | 63  |              | 11.188           |                  |    |          |                      |       |
| 39 cis-1,2-Dichloroethene      | 96  |              | 12.370           |                  |    |          |                      |       |
| 40 2-Butanone (MEK)            | 72  | 12.370       | 12.392           | -0.022           | 97 | 115386   | 12.0                 |       |
| 44 Tetrahydrofuran             | 42  | 12.836       | 12.846           | -0.010           | 80 | 418399   | 29.0                 |       |
| * 43 Chlorobromomethane        | 128 | 12.852       | 12.852           | 0.000            | 80 | 156648   | 10.0                 |       |
| 45 Chloroform                  | 83  |              | 12.959           |                  |    |          |                      |       |
| 46 Cyclohexane                 | 84  |              | 13.258           |                  |    |          |                      |       |
| 47 1,1,1-Trichloroethane       | 97  |              | 13.269           |                  |    |          |                      |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 48 Carbon tetrachloride        | 117 |              | 13.520           |                  |    |          |                      |       |
| 51 Isooctane                   | 57  |              | 13.916           |                  |    |          |                      |       |
| 50 Benzene                     | 78  |              | 13.975           |                  |    |          |                      |       |
| 52 1,2-Dichloroethane          | 62  |              | 14.136           |                  |    |          |                      |       |
| 53 n-Heptane                   | 43  |              | 14.269           |                  |    |          |                      |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735       | 14.735           | 0.000            | 94 | 762730   | 10.0                 |       |
| 56 Trichloroethene             | 95  | 15.200       | 15.200           | 0.000            | 91 | 20843    | 0.6092               |       |
| 58 1,2-Dichloropropane         | 63  |              | 15.725           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  |              | 15.805           |                  |    |          |                      |       |
| 60 1,4-Dioxane                 | 88  |              | 15.896           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 16.217           |                  |    |          |                      |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 17.073           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.308       | 17.313           | -0.005           | 92 | 118944   | 3.67                 |       |
| 66 Toluene                     | 92  | 17.645       | 17.650           | -0.005           | 93 | 423762   | 8.82                 |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 18.180           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 18.555           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 | 18.683       | 18.688           | -0.005           | 92 | 16618    | 0.2778               |       |
| 73 2-Hexanone                  | 43  |              | 18.934           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 19.309           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 19.592           |                  |    |          |                      |       |
| S 82 Xylenes, Total            | 106 |              |                  |                  | 0  |          | 0.6453               |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432       | 20.432           | 0.000            | 84 | 662817   | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 20.491           |                  |    |          |                      |       |
| 78 Ethylbenzene                | 91  | 20.603       | 20.603           | 0.000            | 82 | 16821    | 0.1498               |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.817       | 20.823           | -0.006           | 99 | 22320    | 0.4928               |       |
| 83 o-Xylene                    | 106 | 21.534       | 21.534           | 0.000            | 80 | 6519     | 0.1525               |       |
| 84 Styrene                     | 104 |              | 21.572           |                  |    |          |                      |       |
| 85 Bromoform                   | 173 |              | 21.952           |                  |    |          |                      |       |
| 86 Isopropylbenzene            | 105 |              | 22.101           |                  |    |          |                      |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433       | 22.438           | -0.005           | 90 | 459302   | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |              | 22.663           |                  |    |          |                      |       |
| 90 N-Propylbenzene             | 91  |              | 22.733           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 |              | 22.904           |                  |    |          |                      |       |
| 92 2-Chlorotoluene             | 91  |              | 22.936           |                  |    |          |                      |       |
| 94 1,3,5-Trimethylbenzene      | 105 |              | 22.995           |                  |    |          |                      |       |
| 96 tert-Butylbenzene           | 119 |              | 23.471           |                  |    |          |                      |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.557       | 23.562           | -0.006           | 1  | 1865     | 0.0144               |       |
| 98 sec-Butylbenzene            | 105 |              | 23.803           |                  |    |          |                      |       |
| 99 4-Isopropyltoluene          | 119 |              | 24.001           |                  |    |          |                      |       |
| 100 1,3-Dichlorobenzene        | 146 | 24.070       | 24.070           | 0.000            | 34 | 1962     | 0.0208               |       |
| 101 1,4-Dichlorobenzene        | 146 |              | 24.215           |                  |    |          |                      |       |
| 102 Benzyl chloride            | 91  |              | 24.429           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 24.637           |                  |    |          |                      |       |
| 105 1,2-Dichlorobenzene        | 146 |              | 24.824           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 27.708           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 27.911           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 28.296           |                  |    |          |                      |       |



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Worklist Smp#: 10

Client ID: 101VMP0301CA

Purge Vol: 200.000 mL

Dil. Factor: 15.2000

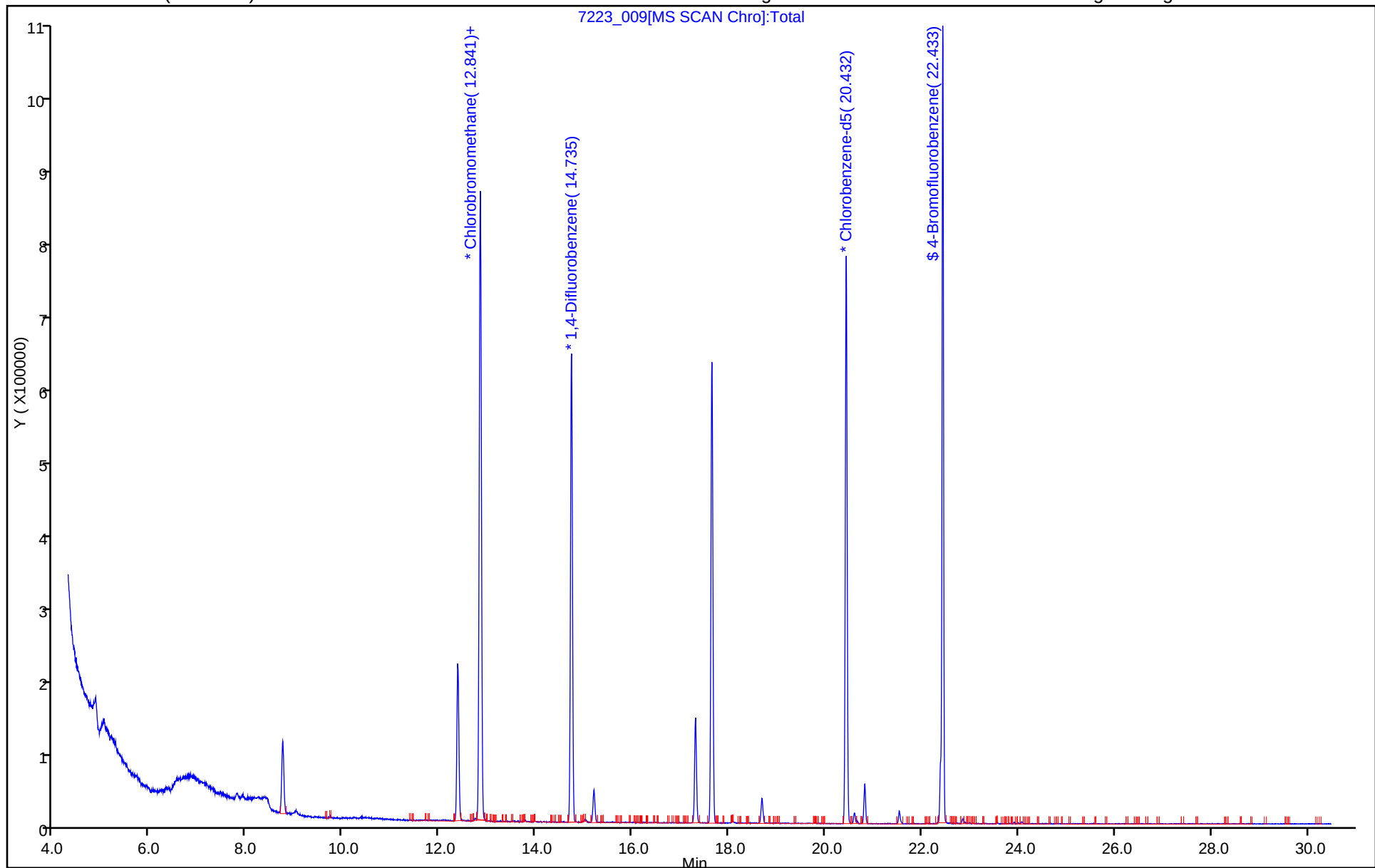
ALS Bottle#: 6

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

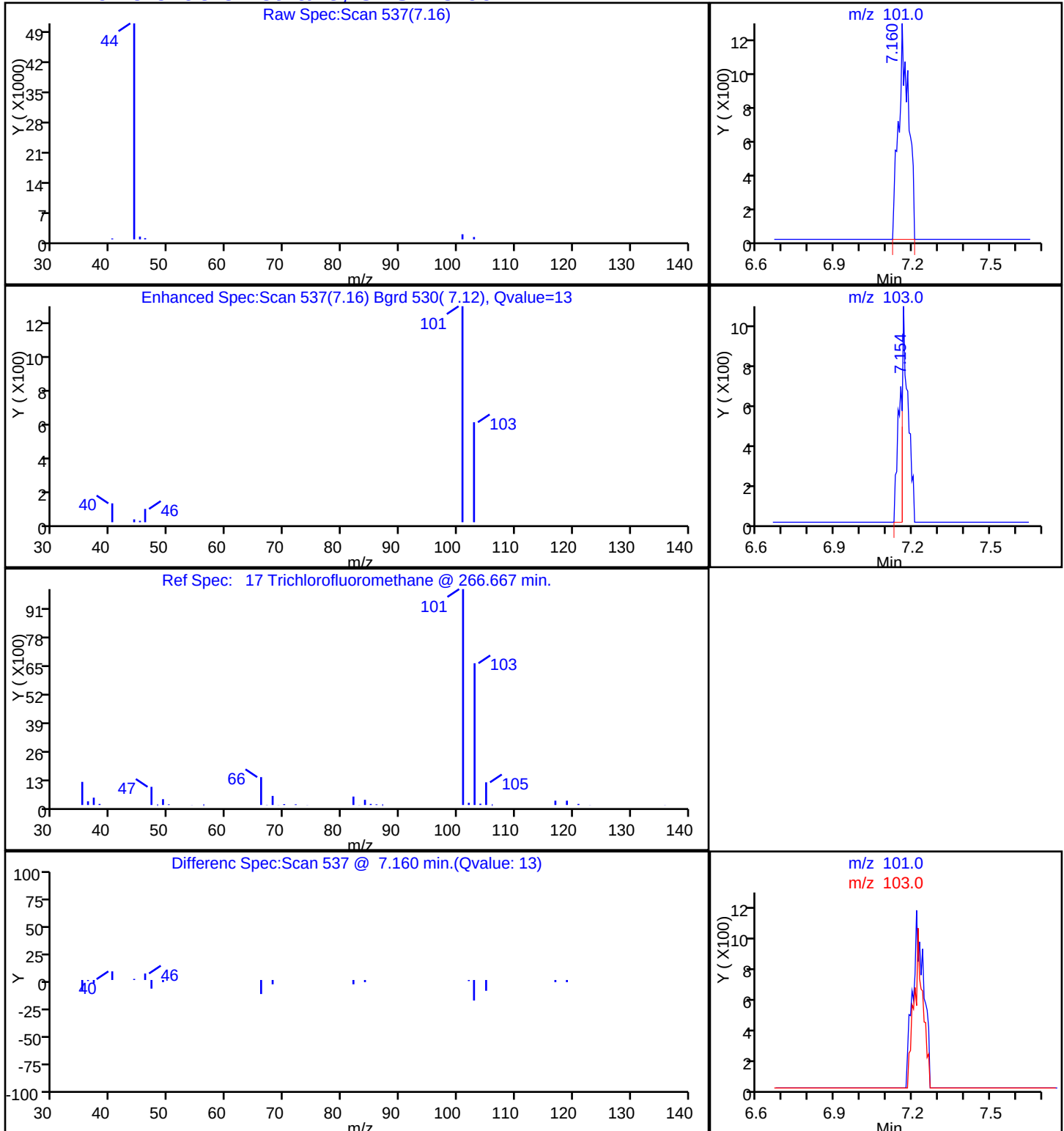
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

Dil. Factor: 15.2000

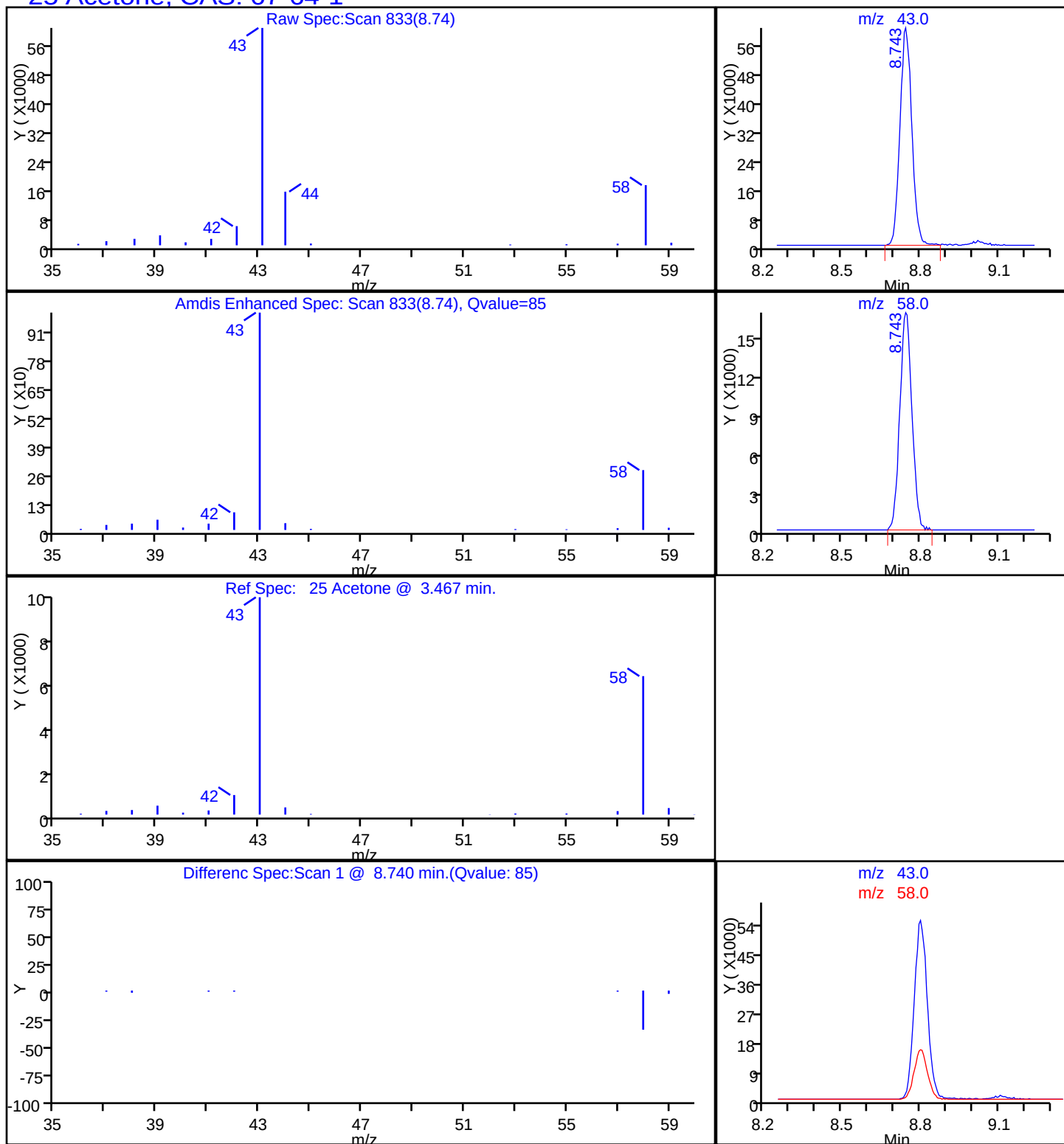
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

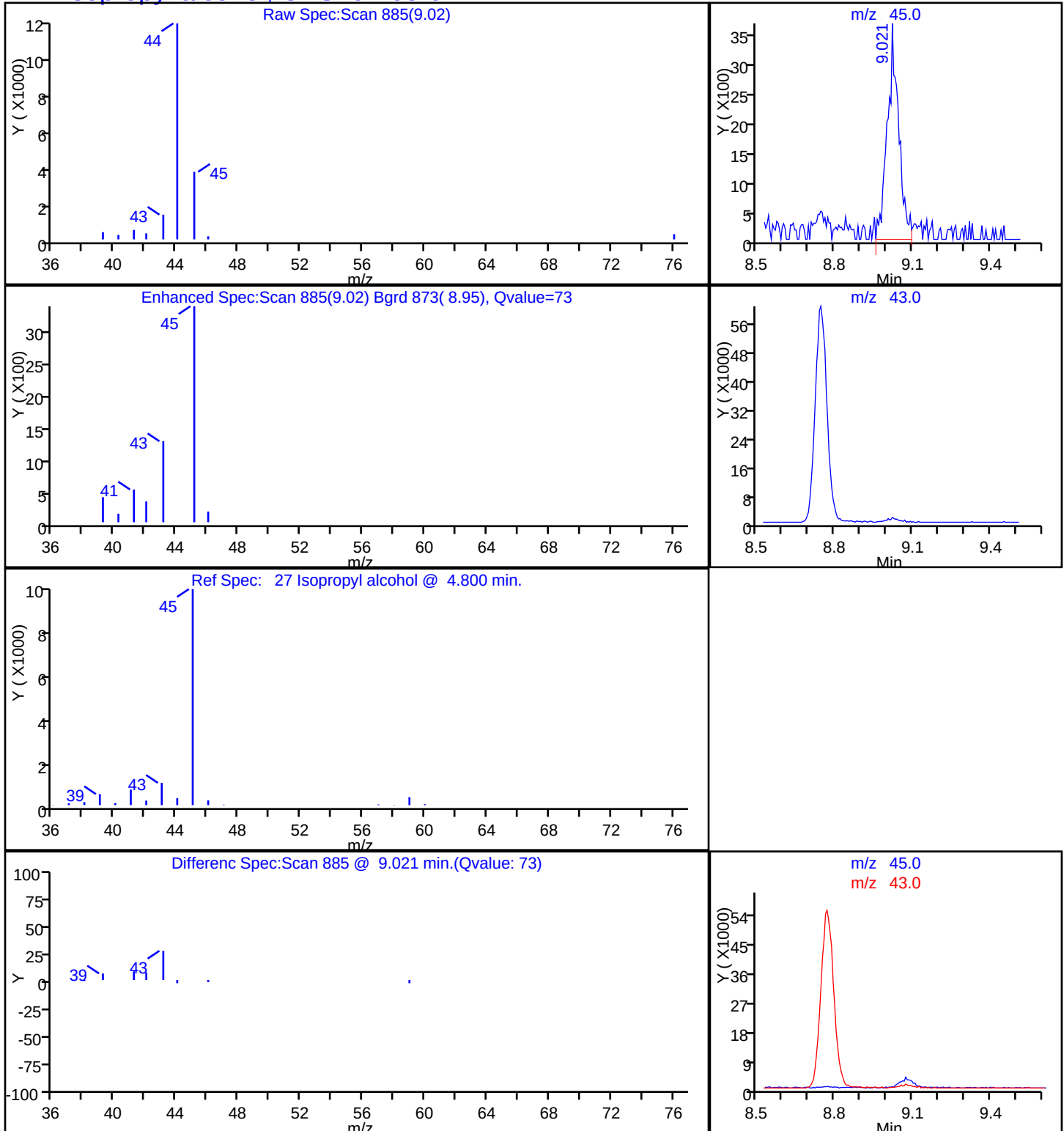
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

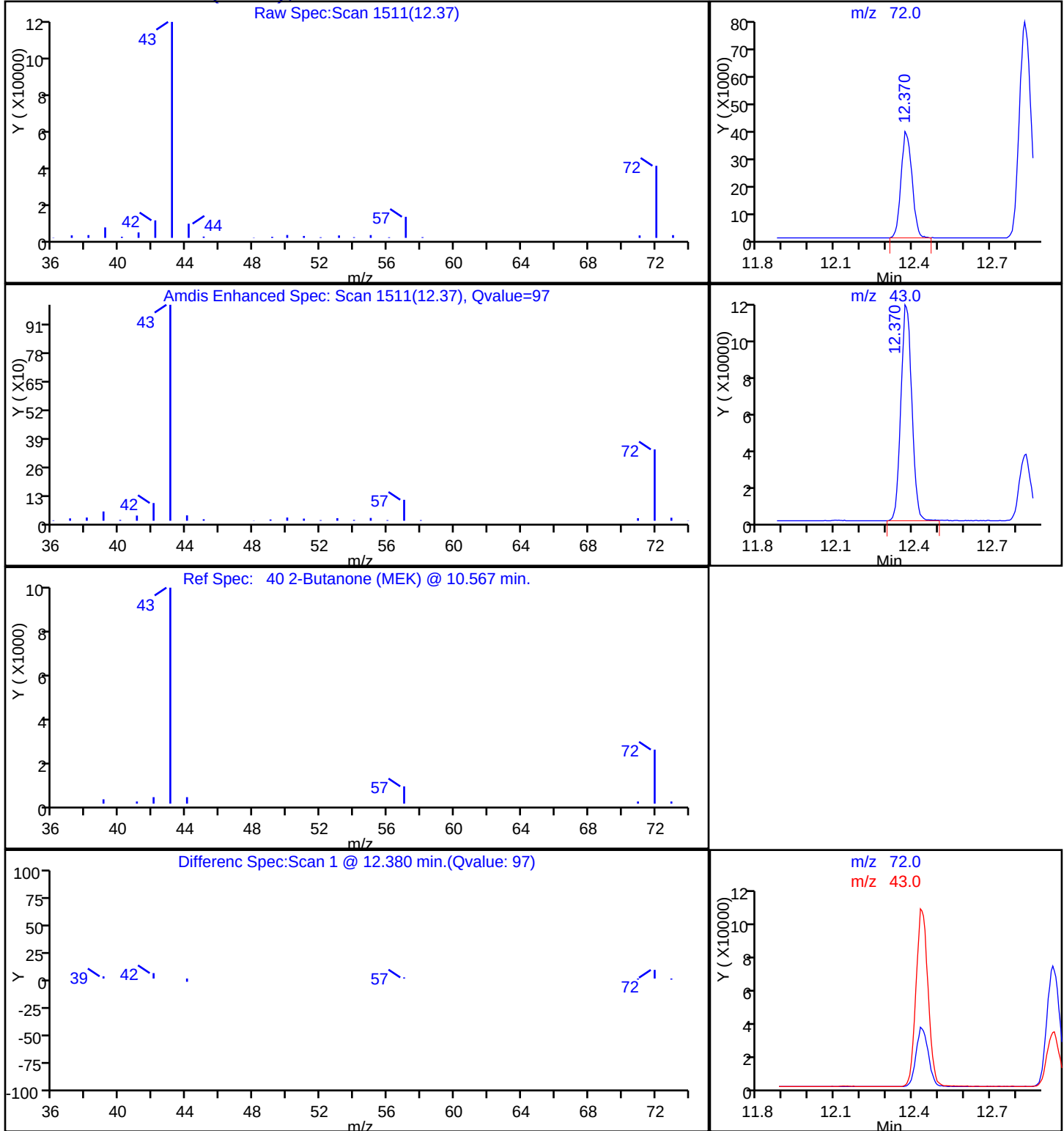
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

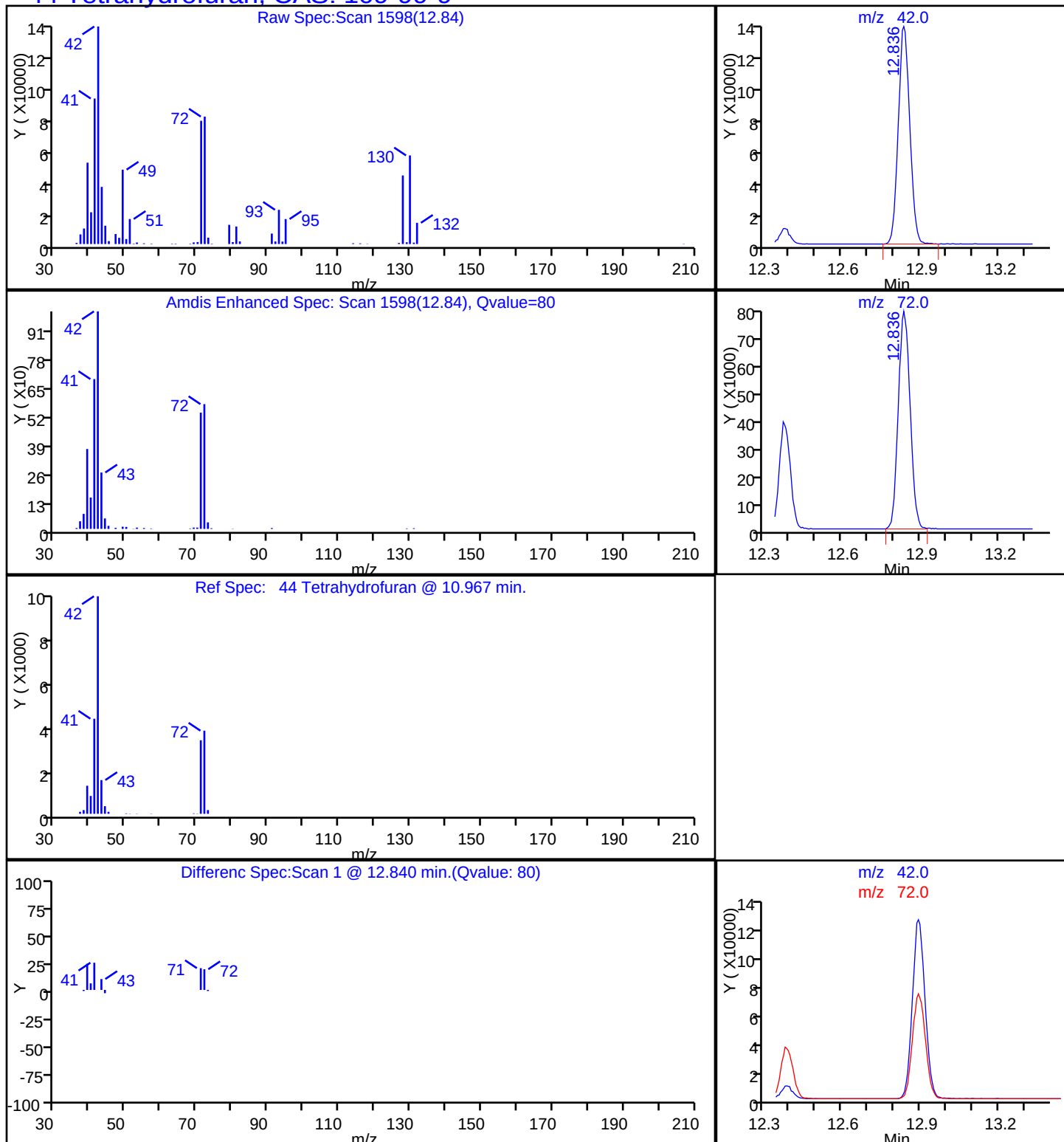
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**44 Tetrahydrofuran, CAS: 109-99-9**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

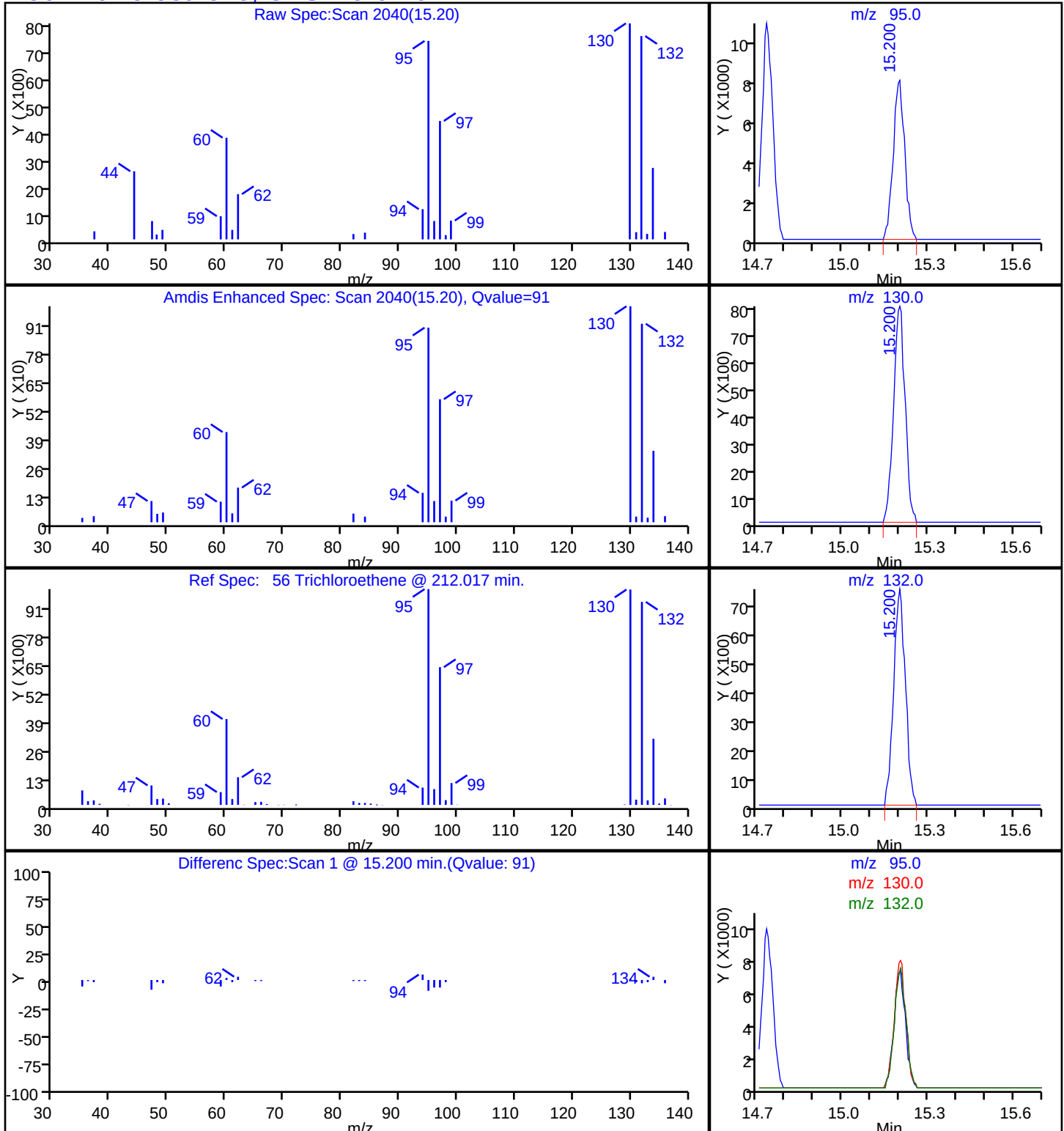
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

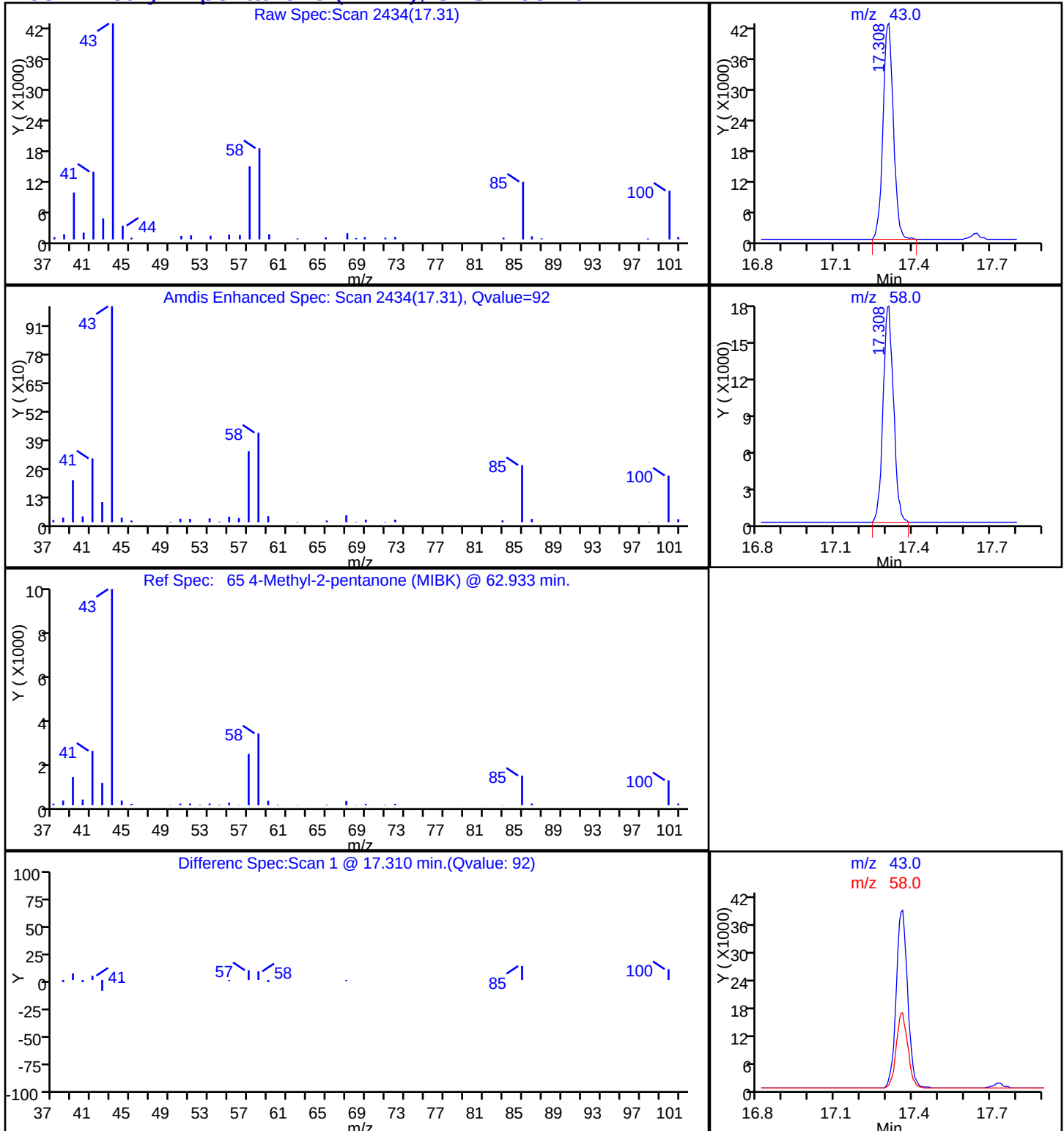
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

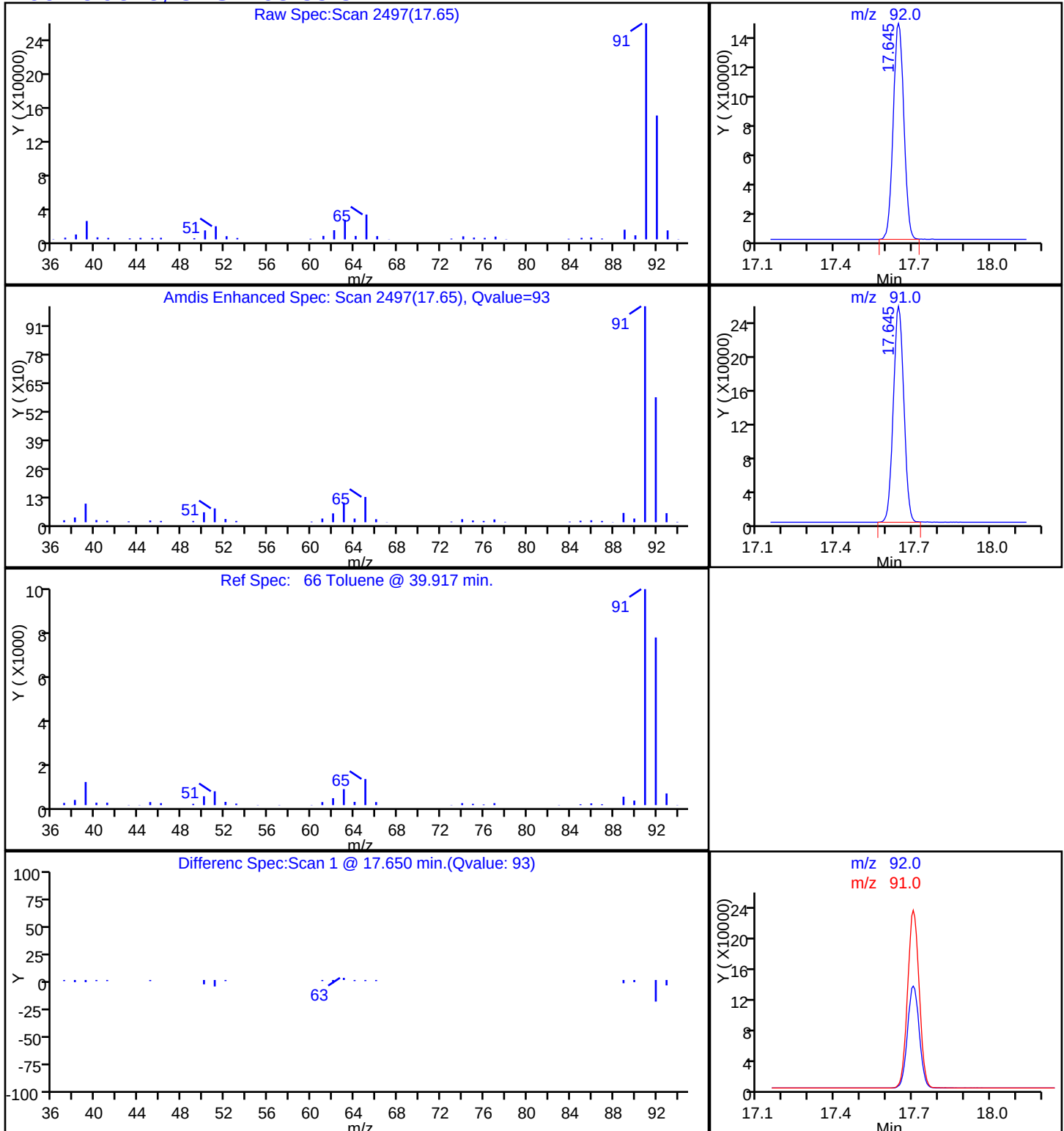
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

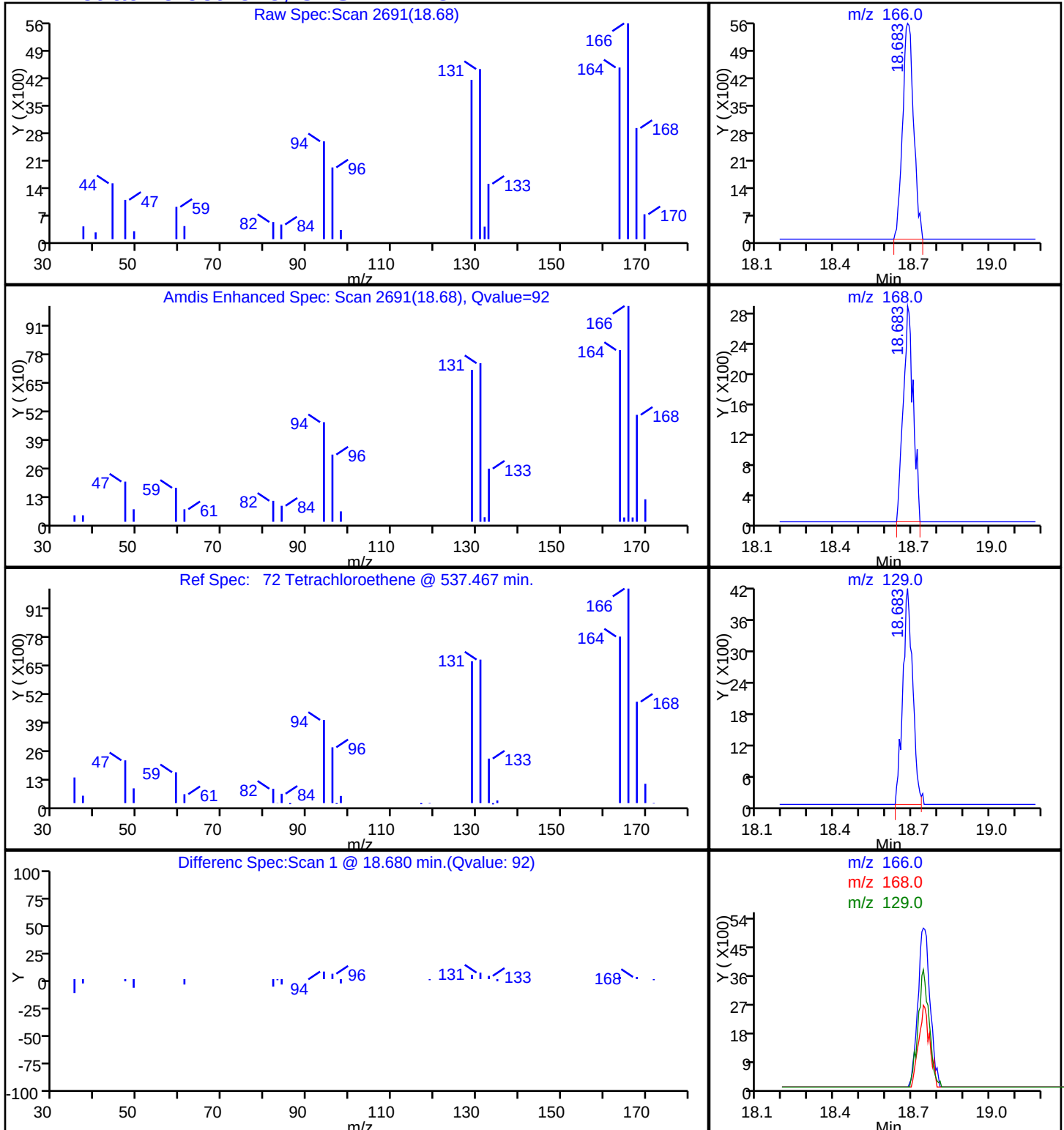
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**72 Tetrachloroethene, CAS: 127-18-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

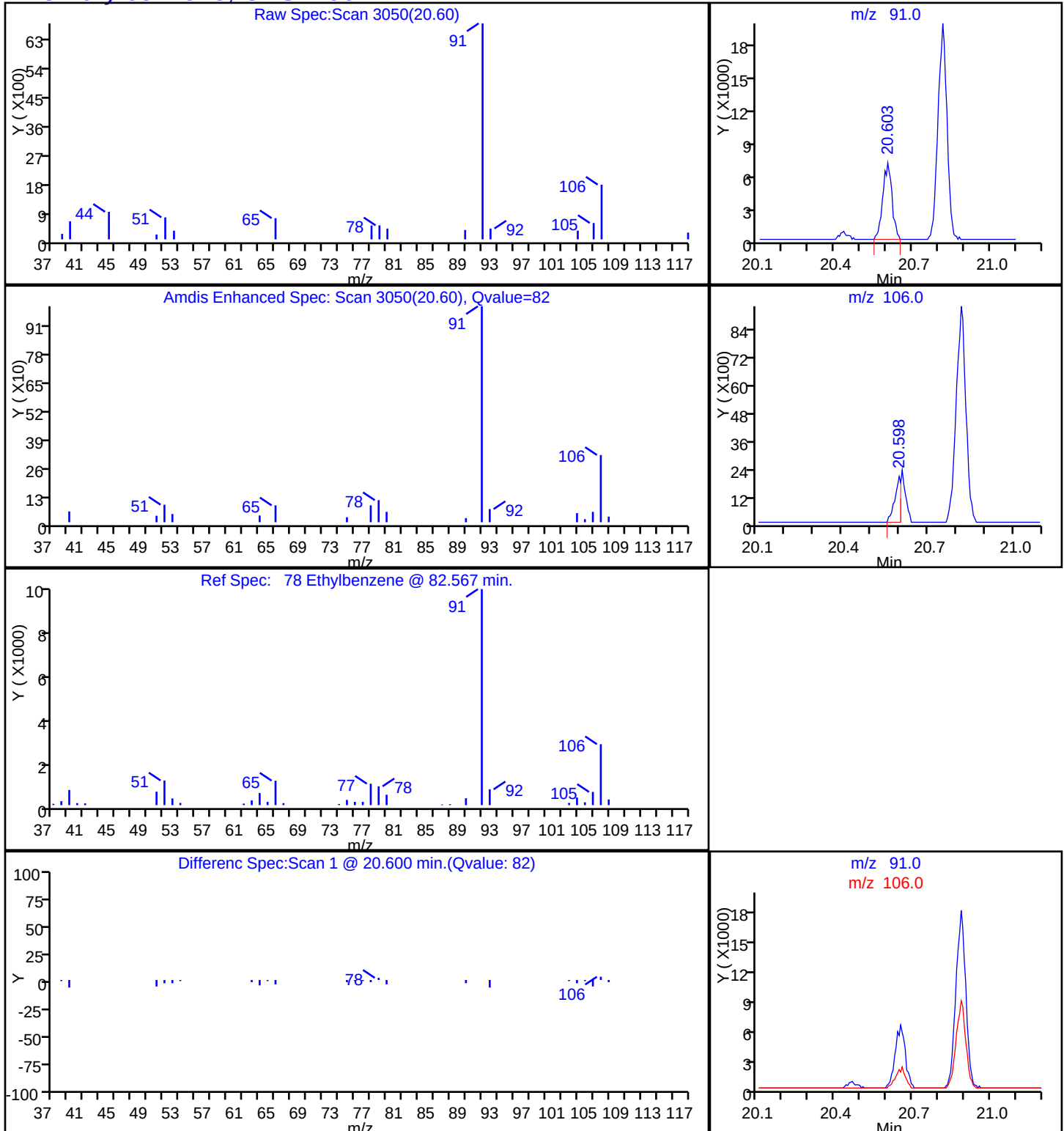
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**78 Ethylbenzene, CAS: 100-41-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

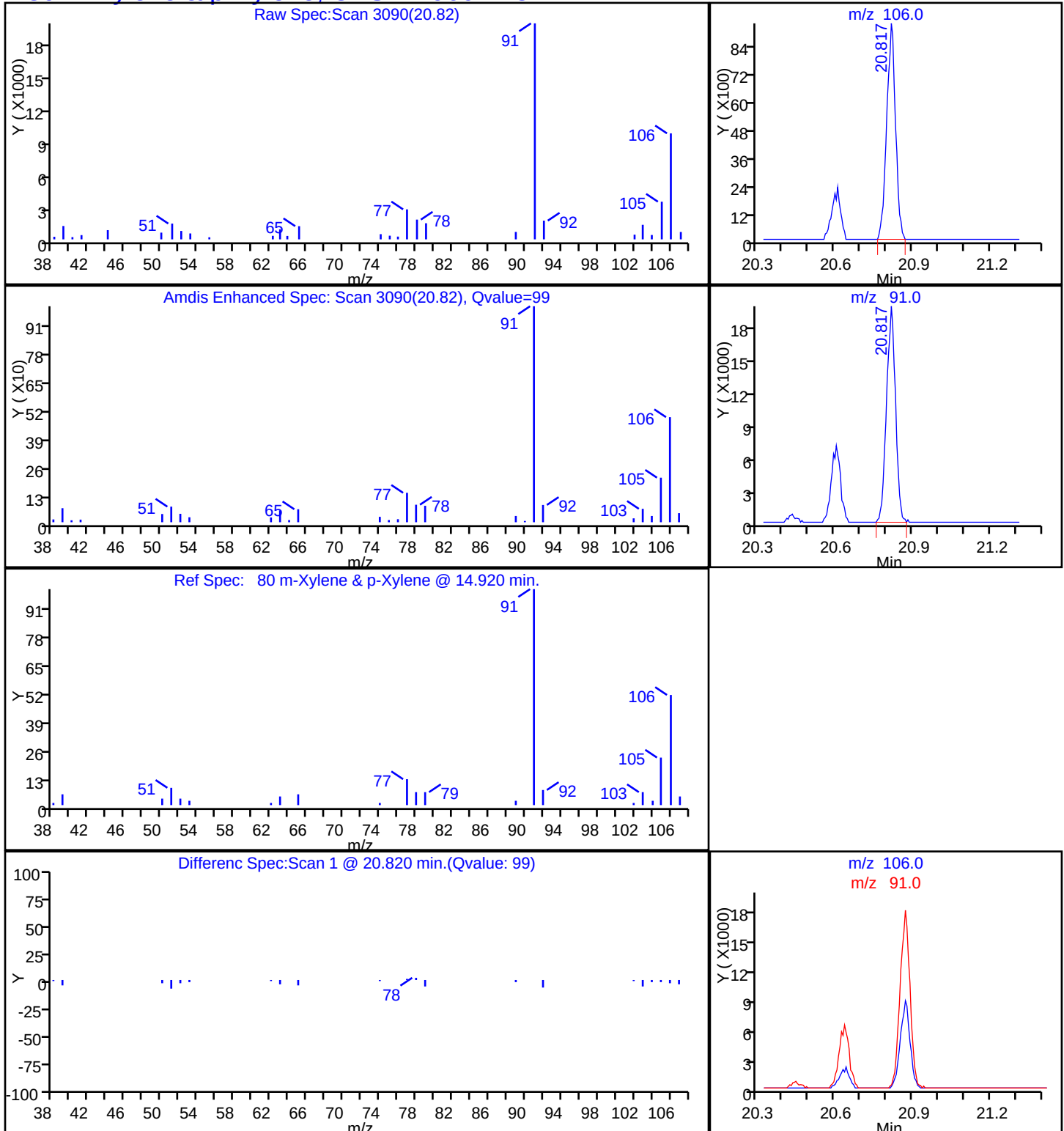
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

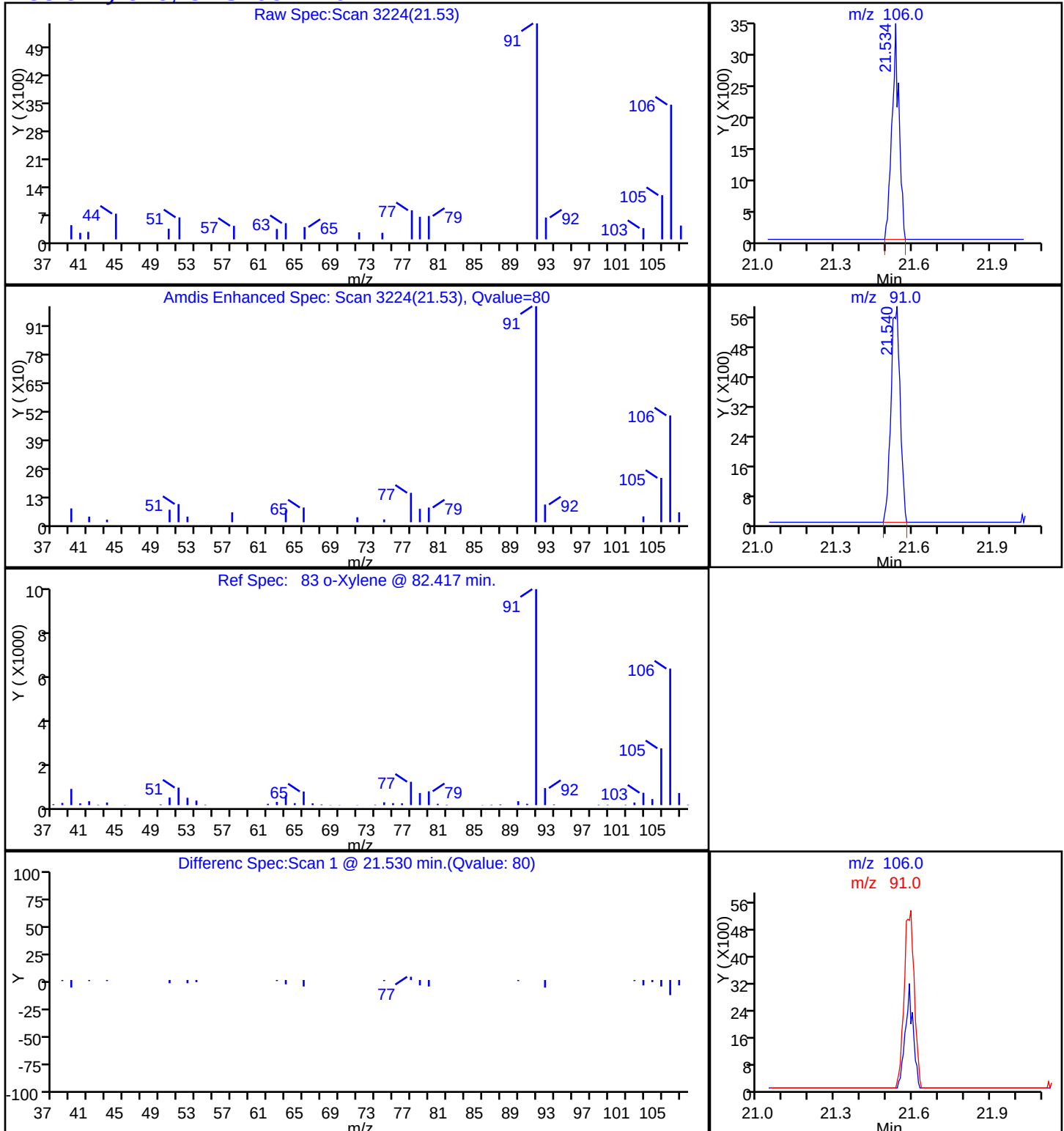
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

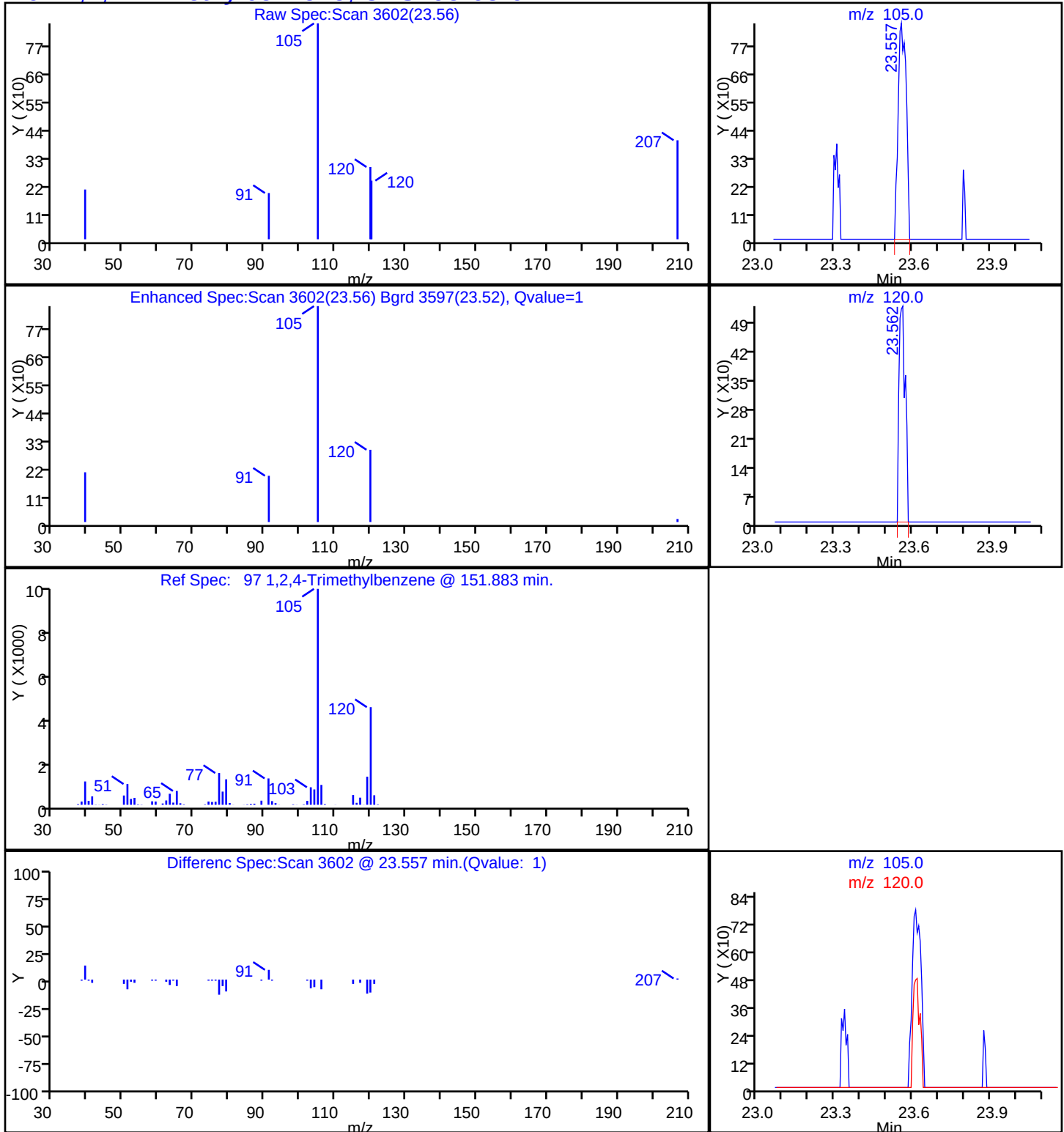
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_009.d

Injection Date: 25-Apr-2014 18:28:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-3

Lab Sample ID: 200-54595-3

Client ID: 101VMP0301CA

Operator ID: pad

ALS Bottle#: 6

Worklist Smp#: 10

Purge Vol: 200.000 mL

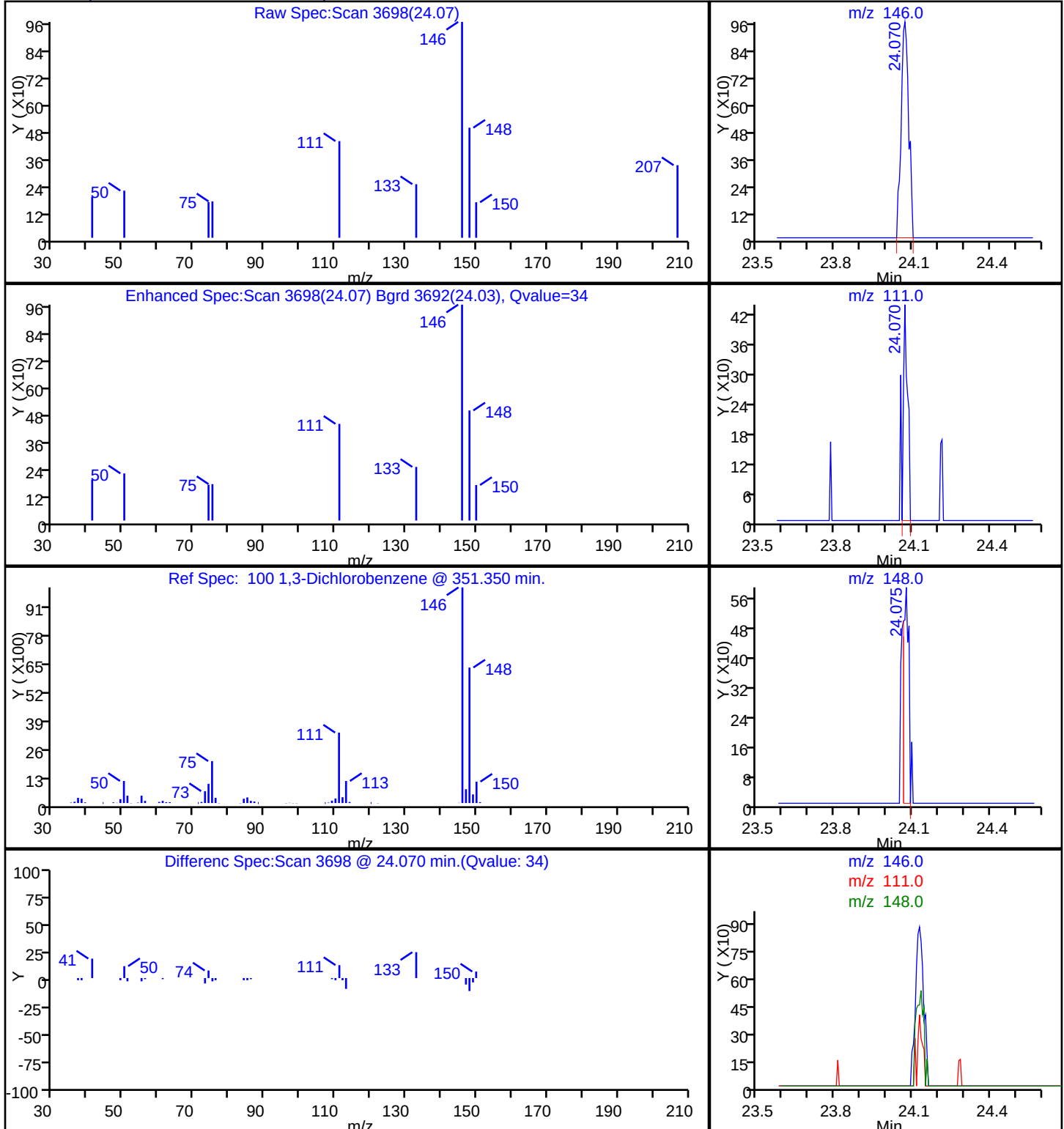
Dil. Factor: 15.2000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**100 1,3-Dichlorobenzene, CAS: 541-73-1**

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4

Matrix: Air Lab File ID: 7223\_010.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL    |
|-----------|-------------------------------|------------------|--------|-------|-----|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.74   | J D   | 2.5 | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.54   | J D M | 2.5 | 0.24  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.40   | U     | 1.0 | 0.18  |
| 74-87-3   | Chloromethane                 | 50.49            | 2.5    | U     | 2.5 | 0.68  |
| 106-97-8  | n-Butane                      | 58.12            | 5.7    | D     | 2.5 | 1.4   |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.40   | U     | 1.0 | 0.19  |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.40   | U     | 1.0 | 0.21  |
| 74-83-9   | Bromomethane                  | 94.94            | 0.40   | U     | 1.0 | 0.14  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.40   | U     | 2.5 | 0.15  |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.40   | U     | 1.0 | 0.15  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.64   | J D M | 1.0 | 0.15  |
| 76-13-1   | Freon TF                      | 187.38           | 0.15   | U     | 1.0 | 0.090 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.40   | U     | 1.0 | 0.12  |
| 67-64-1   | Acetone                       | 58.08            | 120    | D     | 25  | 6.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 17     | J D   | 25  | 1.1   |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.40   | J D   | 2.5 | 0.33  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.40   | U     | 2.5 | 0.17  |
| 75-09-2   | Methylene Chloride            | 84.93            | 1.0    | U     | 2.5 | 0.63  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 5.5    | J D   | 25  | 1.6   |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.47   | J D   | 1.0 | 0.11  |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.40   | U     | 1.0 | 0.15  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.60   | J D   | 1.0 | 0.17  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.40   | U     | 1.0 | 0.19  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 16     | D     | 2.5 | 1.2   |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.40   | U     | 1.0 | 0.19  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.40   | U     | 1.0 | 0.32  |
| 67-66-3   | Chloroform                    | 119.38           | 3.0    | D     | 1.0 | 0.13  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 17     | J D   | 25  | 0.23  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.40   | U     | 1.0 | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.40   | U     | 1.0 | 0.13  |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.40   | U     | 1.0 | 0.11  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.43   | J D   | 1.0 | 0.14  |
| 71-43-2   | Benzene                       | 78.11            | 0.39   | J D M | 1.0 | 0.095 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.15   | U     | 1.0 | 0.085 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4

Matrix: Air Lab File ID: 7223\_010.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL    |
|-------------|----------------------------------|------------------|--------|-------|-----|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.40   | U     | 1.0 | 0.23  |
| 79-01-6     | Trichloroethene                  | 131.39           | 3.4    | D     | 1.0 | 0.12  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.46   | J D   | 2.5 | 0.15  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.40   | U     | 1.0 | 0.16  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 1.0    | U     | 25  | 1.0   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.15   | U     | 1.0 | 0.085 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.40   | U     | 1.0 | 0.14  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 1.3    | J D   | 2.5 | 0.14  |
| 108-88-3    | Toluene                          | 92.14            | 4.4    | D     | 1.0 | 0.085 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.40   | U     | 1.0 | 0.11  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.15   | U     | 1.0 | 0.085 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.15   | U     | 1.0 | 0.080 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 1.0    | U     | 2.5 | 1.0   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.15   | U     | 1.0 | 0.10  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.40   | U     | 1.0 | 0.10  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.15   | U     | 1.0 | 0.041 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.64   | J D   | 1.0 | 0.065 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 2.1    | J D   | 2.5 | 0.12  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.71   | J D M | 1.0 | 0.080 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 2.8    |       | 1.0 | 0.17  |
| 100-42-5    | Styrene                          | 104.15           | 0.81   | J D   | 1.0 | 0.090 |
| 75-25-2     | Bromoform                        | 252.75           | 0.15   | U     | 1.0 | 0.050 |
| 98-82-8     | Cumene                           | 120.19           | 0.13   | J D   | 1.0 | 0.080 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.15   | U     | 1.0 | 0.080 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.40   | U     | 1.0 | 0.40  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.31   | J D   | 1.0 | 0.090 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.29   | J D   | 1.0 | 0.060 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.15   | U     | 1.0 | 0.065 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.15   | U     | 1.0 | 0.085 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.94   | J D   | 1.0 | 0.070 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.40   | U     | 1.0 | 0.40  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.40   | U     | 1.0 | 0.40  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 4.3    | D     | 1.0 | 0.070 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.15   | U     | 1.0 | 0.070 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4  
Matrix: Air Lab File ID: 7223\_010.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:50  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.40   | U | 1.0 | 0.40  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.40   | U | 1.0 | 0.40  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.15   | U | 1.0 | 0.070 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.40   | U | 2.5 | 0.14  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.40   | U | 1.0 | 0.11  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.5 | 1.0   |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4

Matrix: Air Lab File ID: 7223\_010.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-------|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.7    | J D   | 12  | 0.74 |
| 75-45-6   | Freon 22                      | 86.47            | 1.9    | J D M | 8.8 | 0.85 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 2.8    | U     | 7.0 | 1.2  |
| 74-87-3   | Chloromethane                 | 50.49            | 5.2    | U     | 5.2 | 1.4  |
| 106-97-8  | n-Butane                      | 58.12            | 13     | D     | 5.9 | 3.4  |
| 75-01-4   | Vinyl chloride                | 62.50            | 1.0    | U     | 2.6 | 0.49 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.88   | U     | 2.2 | 0.46 |
| 74-83-9   | Bromomethane                  | 94.94            | 1.6    | U     | 3.9 | 0.54 |
| 75-00-3   | Chloroethane                  | 64.52            | 1.1    | U     | 6.6 | 0.40 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 1.7    | U     | 4.4 | 0.66 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 3.6    | J D M | 5.6 | 0.84 |
| 76-13-1   | Freon TF                      | 187.38           | 1.1    | U     | 7.7 | 0.69 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 1.6    | U     | 4.0 | 0.48 |
| 67-64-1   | Acetone                       | 58.08            | 280    | D     | 59  | 15   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 43     | J D   | 61  | 2.6  |
| 75-15-0   | Carbon disulfide              | 76.14            | 1.3    | J D   | 7.8 | 1.0  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 1.3    | U     | 7.8 | 0.53 |
| 75-09-2   | Methylene Chloride            | 84.93            | 3.5    | U     | 8.7 | 2.2  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 17     | J D   | 76  | 5.0  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 1.7    | J D   | 3.6 | 0.40 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 1.6    | U     | 4.0 | 0.57 |
| 110-54-3  | n-Hexane                      | 86.17            | 2.1    | J D   | 3.5 | 0.60 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 1.6    | U     | 4.0 | 0.77 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 48     | D     | 7.4 | 3.6  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 1.6    | U     | 4.0 | 0.75 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 1.6    | U     | 4.0 | 1.3  |
| 67-66-3   | Chloroform                    | 119.38           | 14     | D     | 4.9 | 0.61 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 49     | J D   | 74  | 0.68 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 2.2    | U     | 5.5 | 0.57 |
| 110-82-7  | Cyclohexane                   | 84.16            | 1.4    | U     | 3.4 | 0.43 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 2.5    | U     | 6.3 | 0.66 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 2.0    | J D   | 4.7 | 0.63 |
| 71-43-2   | Benzene                       | 78.11            | 1.2    | J D M | 3.2 | 0.30 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.61   | U     | 4.0 | 0.34 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4

Matrix: Air Lab File ID: 7223\_010.d

Analysis Method: TO-15 Date Collected: 04/16/2014 10:50

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|-------|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 1.6    | U     | 4.1 | 0.94 |
| 79-01-6     | Trichloroethene                  | 131.39           | 18     | D     | 5.4 | 0.64 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 1.9    | J D   | 10  | 0.61 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 1.8    | U     | 4.6 | 0.74 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 3.6    | U     | 90  | 3.6  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 1.0    | U     | 6.7 | 0.57 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 1.8    | U     | 4.5 | 0.64 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 5.2    | J D   | 10  | 0.55 |
| 108-88-3    | Toluene                          | 92.14            | 17     | D     | 3.8 | 0.32 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 1.8    | U     | 4.5 | 0.50 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.82   | U     | 5.5 | 0.46 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 1.0    | U     | 6.8 | 0.54 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 4.1    | U     | 10  | 4.1  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 1.3    | U     | 8.5 | 0.85 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 3.1    | U     | 7.7 | 0.77 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.69   | U     | 4.6 | 0.19 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 2.8    | J D   | 4.3 | 0.28 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 9.1    | J D   | 11  | 0.50 |
| 95-47-6     | Xylene, o-                       | 106.17           | 3.1    | J D M | 4.3 | 0.35 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 12     |       | 4.3 | 0.74 |
| 100-42-5    | Styrene                          | 104.15           | 3.4    | J D   | 4.3 | 0.38 |
| 75-25-2     | Bromoform                        | 252.75           | 1.6    | U     | 10  | 0.52 |
| 98-82-8     | Cumene                           | 120.19           | 0.64   | J D   | 4.9 | 0.39 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 1.0    | U     | 6.9 | 0.55 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 2.0    | U     | 4.9 | 2.0  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 1.5    | J D   | 4.9 | 0.44 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 1.4    | J D   | 4.9 | 0.29 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.78   | U     | 5.2 | 0.34 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.82   | U     | 5.5 | 0.47 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 4.6    | J D   | 4.9 | 0.34 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 2.2    | U     | 5.5 | 2.2  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 2.2    | U     | 5.5 | 2.2  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 26     | D     | 6.0 | 0.42 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.90   | U     | 6.0 | 0.42 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101VMP0101CC Lab Sample ID: 280-54595-4  
Matrix: Air Lab File ID: 7223\_010.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 10:50  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 19:16  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 2.1    | U | 5.2 | 2.1  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 2.2    | U | 5.5 | 2.2  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.90   | U | 6.0 | 0.42 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 3.0    | U | 19  | 1.0  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 4.3    | U | 11  | 1.2  |
| 91-20-3  | Naphthalene            | 128.17           | 5.2    | U | 13  | 5.2  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d  
 Lims ID: 280-54595-A-4 Lab Sample ID: 200-54595-4  
 Client ID: 101VMP0101CC  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 19:16:30 ALS Bottle#: 7 Worklist Smp#: 11  
 Purge Vol: 200.000 mL Dil. Factor: 5.0000  
 Sample Info: 200-0007223-011  
 Misc. Info.: 280-54595-A-4  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:32:50 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:32:01

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.485     | 4.474         | 0.011         | 75 | 9004     | 0.1477            |       |
| 6 Chlorodifluoromethane        | 51  | 4.560     | 4.544         | 0.016         | 27 | 2508     | 0.1086            | M     |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  | 5.298     | 5.287         | 0.011         | 81 | 19249    | 1.13              |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.218     | 7.186         | 0.032         | 50 | 8788     | 0.1286            | M     |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |           | 8.428         |               |    |          |                   |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.759     | 8.743         | 0.016         | 85 | 450904   | 23.3              |       |
| 26 Carbon disulfide            | 76  | 9.011     | 9.000         | 0.011         | 37 | 3417     | 0.0805            |       |
| 27 Isopropyl alcohol           | 45  | 9.053     | 9.043         | 0.010         | 95 | 56703    | 3.50              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  | 9.931     | 9.909         | 0.022         | 94 | 32623    | 1.11              |       |
| 33 Methyl tert-butyl ether     | 73  | 10.182    | 10.155        | 0.027         | 51 | 4566     | 0.0936            |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.658    | 10.642        | 0.016         | 58 | 2248     | 0.1205            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.386    | 12.392        | -0.006        | 98 | 26493    | 3.23              |       |
| 44 Tetrahydrofuran             | 42  | 12.852    | 12.846        | 0.006         | 50 | 39484    | 3.36              |       |
| * 43 Chlorobromomethane        | 128 | 12.852    | 12.852        | 0.000         | 70 | 133289   | 10.0              |       |
| 45 Chloroform                  | 83  | 12.964    | 12.959        | 0.005         | 83 | 26470    | 0.5926            |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 48 Carbon tetrachloride        | 117 |              | 13.520           |                  |    |          |                      |       |
| 51 Isooctane                   | 57  | 13.927       | 13.916           | 0.011            | 71 | 5175     | 0.0856               |       |
| 50 Benzene                     | 78  | 13.986       | 13.975           | 0.011            | 13 | 4229     | 0.0781               | M     |
| 52 1,2-Dichloroethane          | 62  |              | 14.136           |                  |    |          |                      |       |
| 53 n-Heptane                   | 43  |              | 14.269           |                  |    |          |                      |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.740       | 14.735           | 0.005            | 94 | 621740   | 10.0                 |       |
| 56 Trichloroethene             | 95  | 15.206       | 15.200           | 0.006            | 91 | 18814    | 0.6746               |       |
| 58 1,2-Dichloropropane         | 63  |              | 15.725           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  | 15.821       | 15.805           | 0.016            | 27 | 1579     | 0.0923               |       |
| 60 1,4-Dioxane                 | 88  |              | 15.896           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 16.217           |                  |    |          |                      |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 17.073           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.313       | 17.313           | 0.000            | 77 | 6673     | 0.2523               |       |
| 66 Toluene                     | 92  | 17.650       | 17.650           | 0.000            | 93 | 37546    | 0.8815               |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 18.180           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 18.555           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 |              | 18.688           |                  |    |          |                      |       |
| 73 2-Hexanone                  | 43  |              | 18.934           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 19.309           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 19.592           |                  |    |          |                      |       |
| S 82 Xylenes, Total            | 106 |              |                  |                  | 0  |          | 0.5613               |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432       | 20.432           | 0.000            | 85 | 587370   | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 20.491           |                  |    |          |                      |       |
| 78 Ethylbenzene                | 91  | 20.603       | 20.603           | 0.000            | 81 | 12713    | 0.1277               |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.817       | 20.823           | -0.006           | 98 | 16835    | 0.4194               |       |
| 83 o-Xylene                    | 106 | 21.534       | 21.534           | 0.000            | 77 | 5374     | 0.1419               | M     |
| 84 Styrene                     | 104 | 21.572       | 21.572           | 0.000            | 69 | 9066     | 0.1613               |       |
| 85 Bromoform                   | 173 |              | 21.952           |                  |    |          |                      |       |
| 86 Isopropylbenzene            | 105 | 22.101       | 22.101           | 0.000            | 40 | 3057     | 0.0262               |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433       | 22.438           | -0.005           | 91 | 434606   | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |              | 22.663           |                  |    |          |                      |       |
| 90 N-Propylbenzene             | 91  |              | 22.733           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 | 22.898       | 22.904           | -0.006           | 65 | 7970     | 0.0615               |       |
| 92 2-Chlorotoluene             | 91  |              | 22.936           |                  |    |          |                      |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.995       | 22.995           | 0.000            | 66 | 7051     | 0.0588               |       |
| 96 tert-Butylbenzene           | 119 |              | 23.471           |                  |    |          |                      |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.562       | 23.562           | 0.000            | 86 | 21594    | 0.1885               |       |
| 98 sec-Butylbenzene            | 105 |              | 23.803           |                  |    |          |                      |       |
| 99 4-Isopropyltoluene          | 119 |              | 24.001           |                  |    |          |                      |       |
| 100 1,3-Dichlorobenzene        | 146 | 24.070       | 24.070           | 0.000            | 94 | 72173    | 0.8646               |       |
| 101 1,4-Dichlorobenzene        | 146 |              | 24.215           |                  |    |          |                      |       |
| 102 Benzyl chloride            | 91  |              | 24.429           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 24.637           |                  |    |          |                      |       |
| 105 1,2-Dichlorobenzene        | 146 |              | 24.824           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 27.708           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 27.911           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 28.296           |                  |    |          |                      |       |

QC Flag Legend

Review Flags

M - Manually Integrated



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Worklist Smp#: 11

Client ID: 101VMP0101CC

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

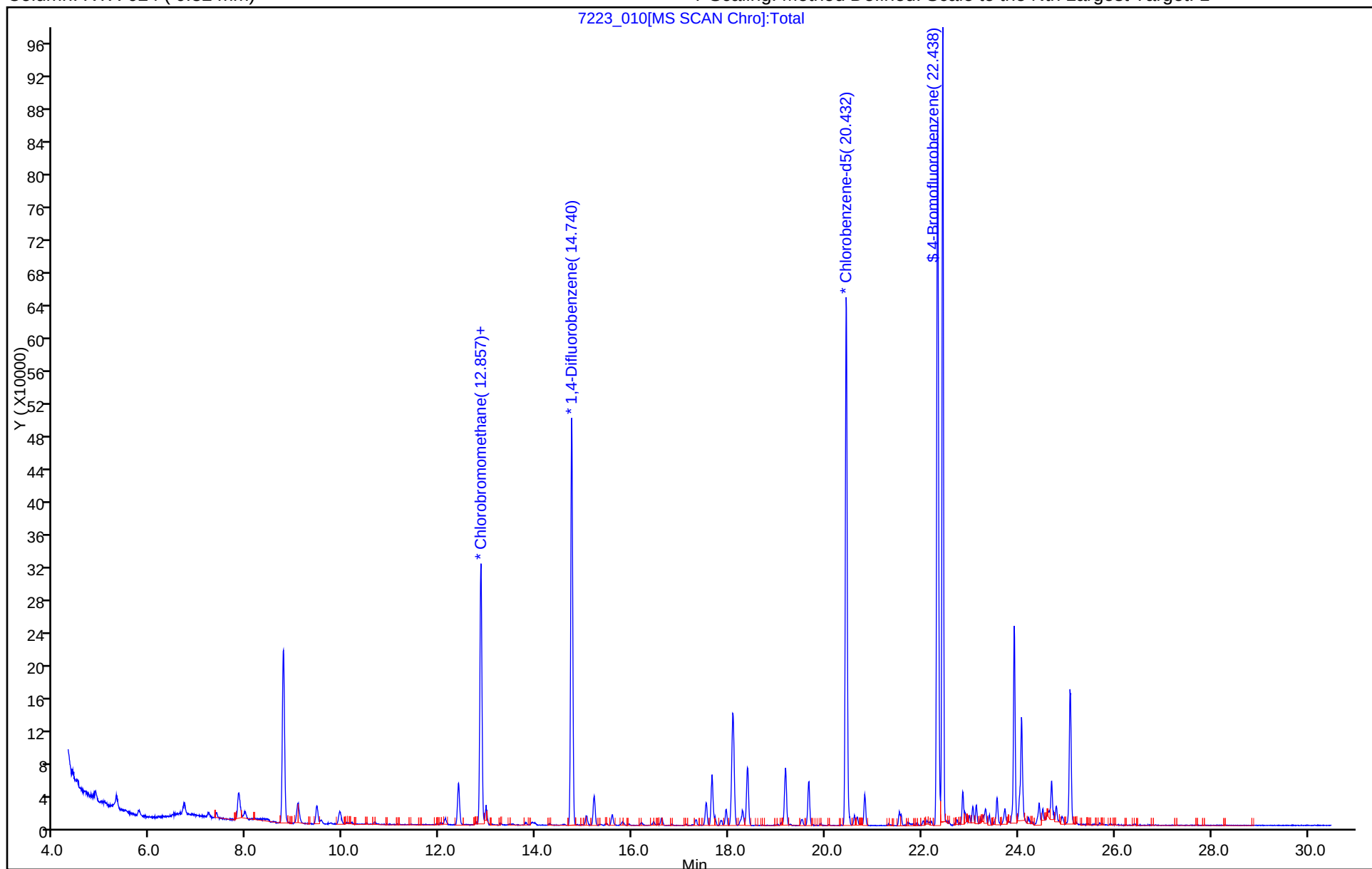
ALS Bottle#: 7

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

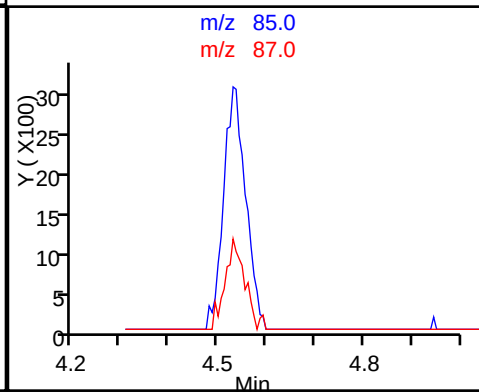
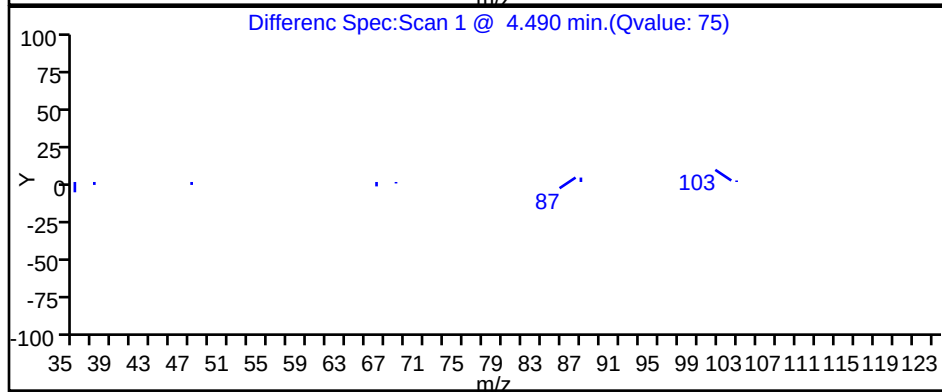
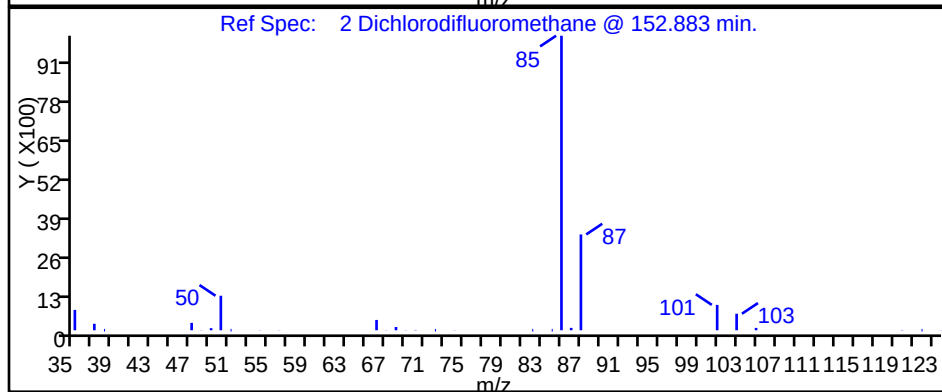
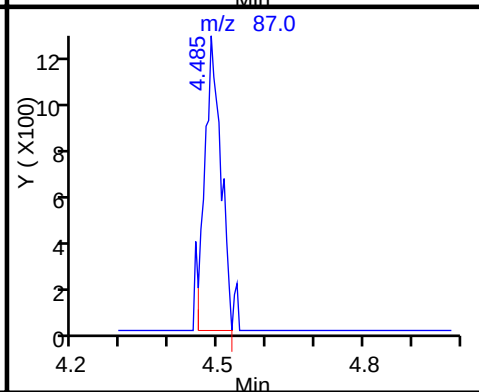
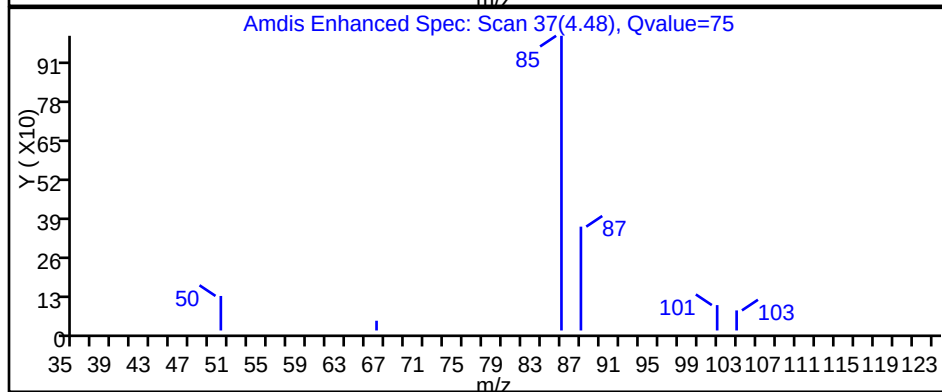
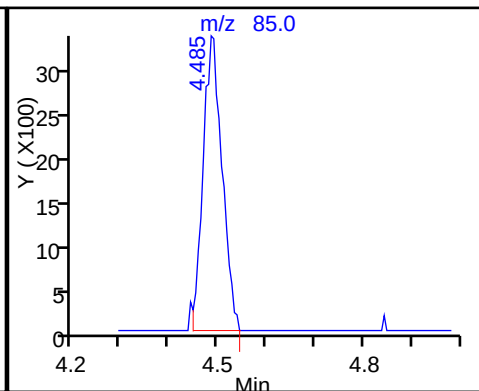
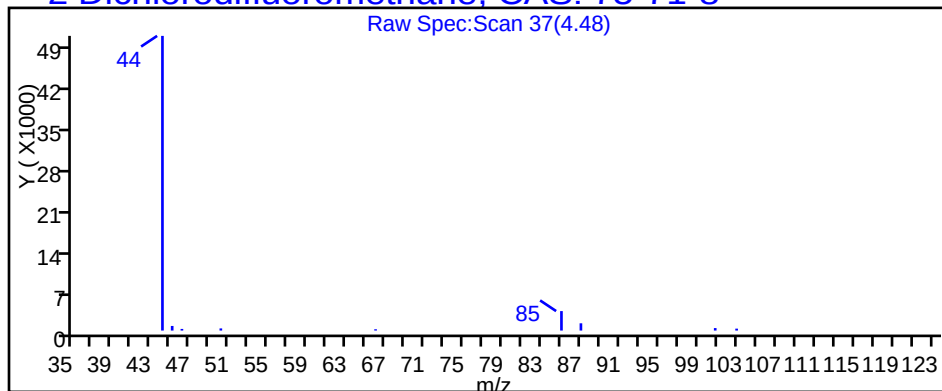
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

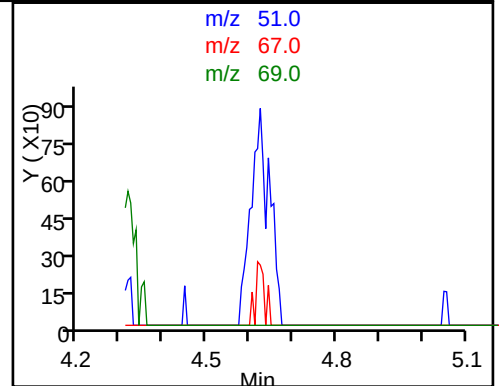
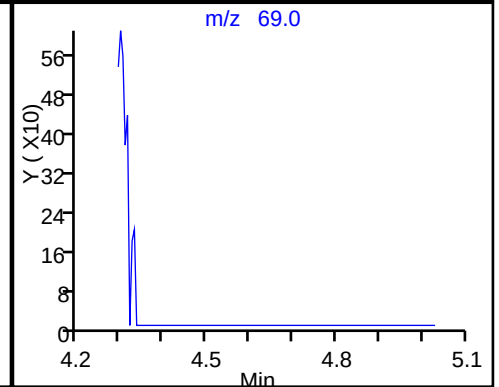
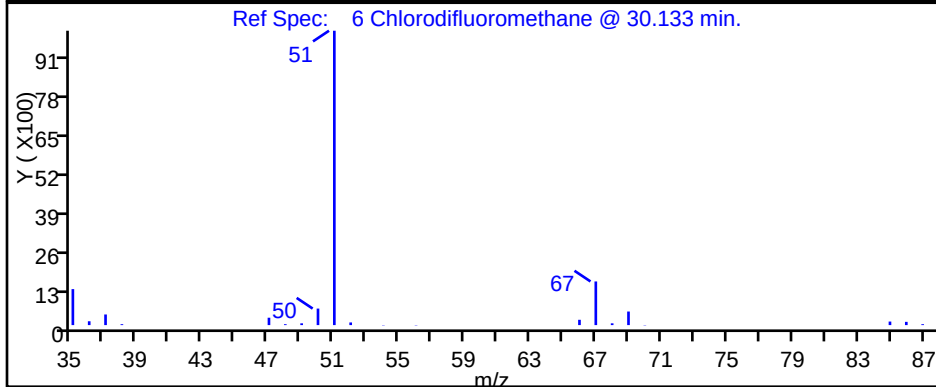
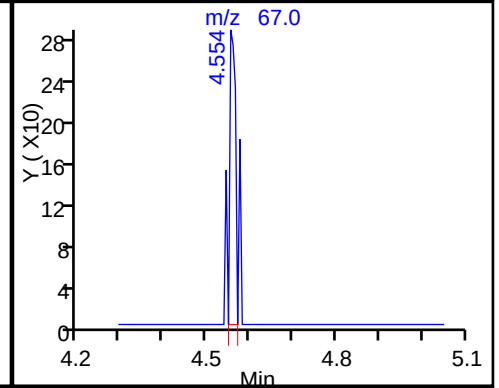
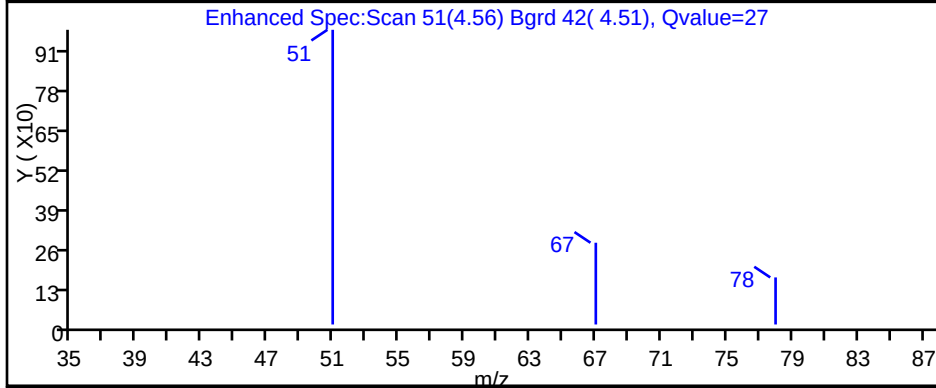
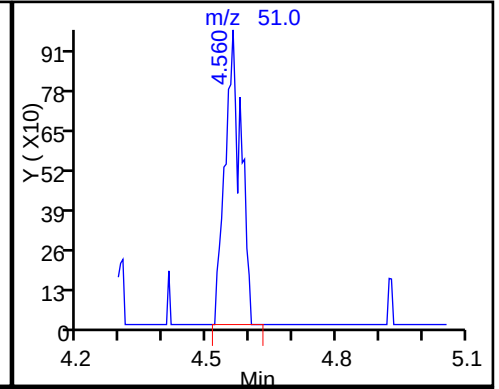
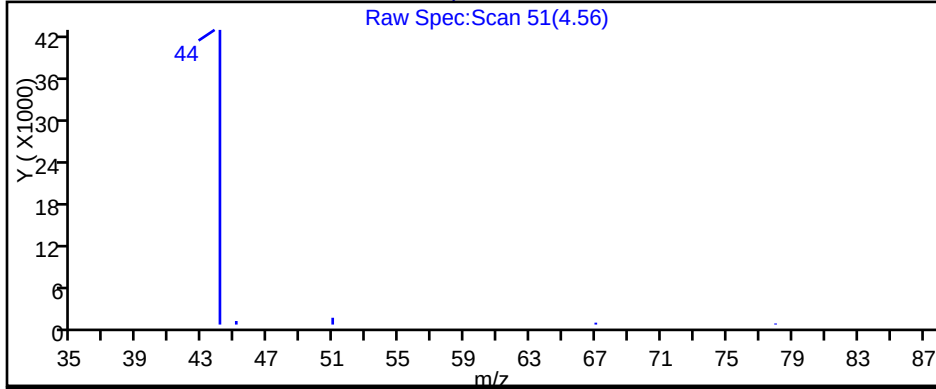
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**6 Chlorodifluoromethane, CAS: 75-45-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

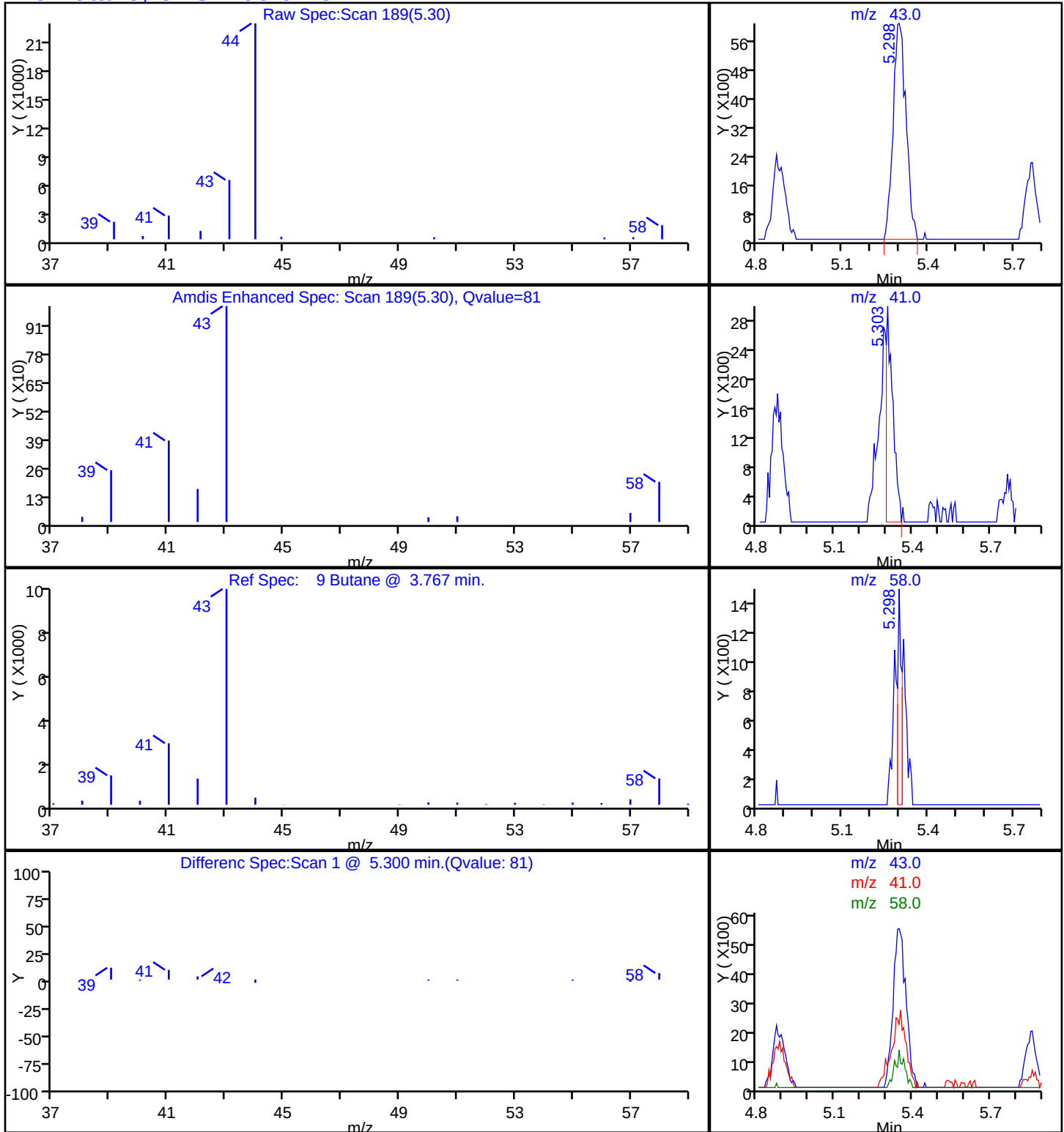
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

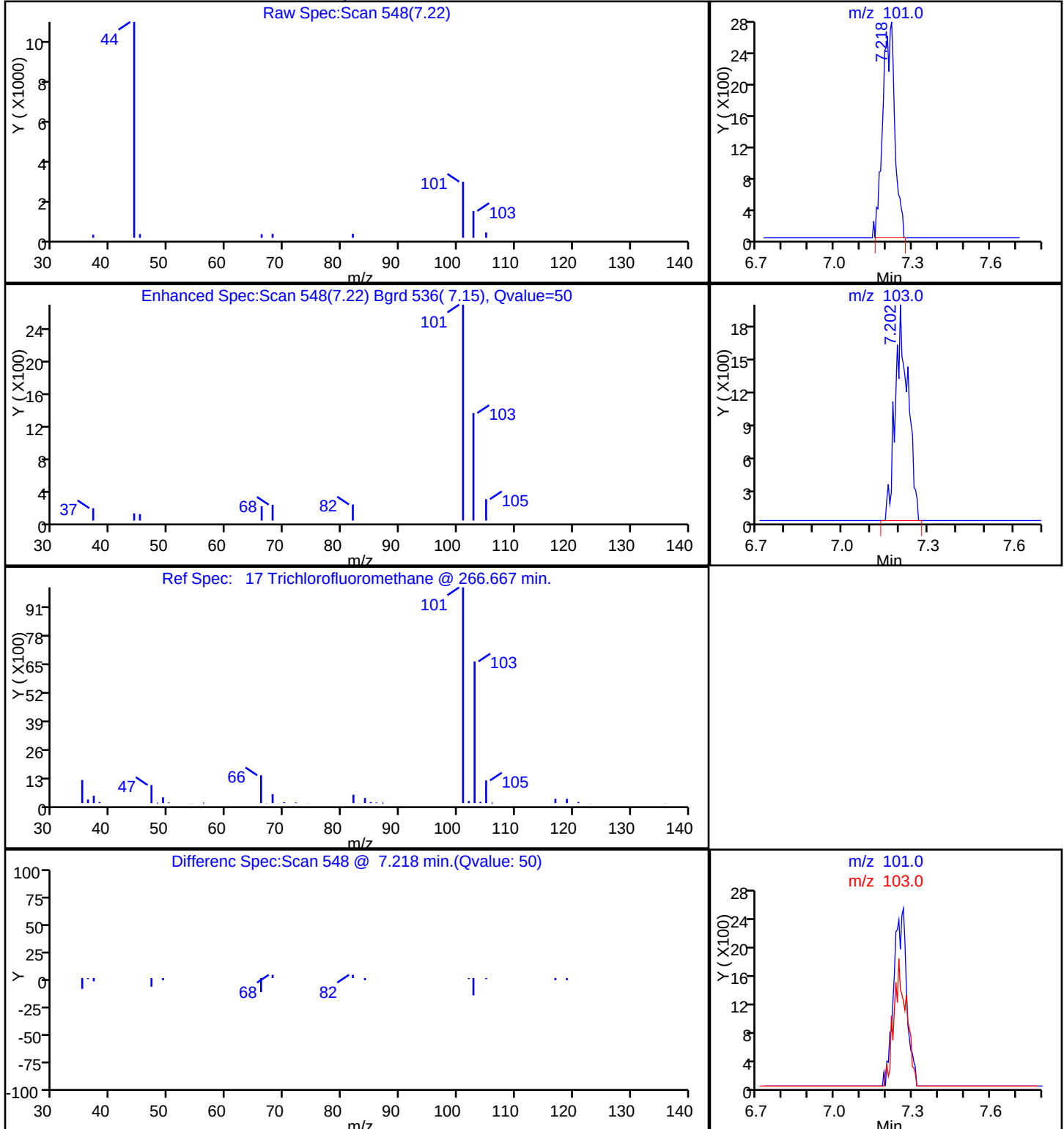
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

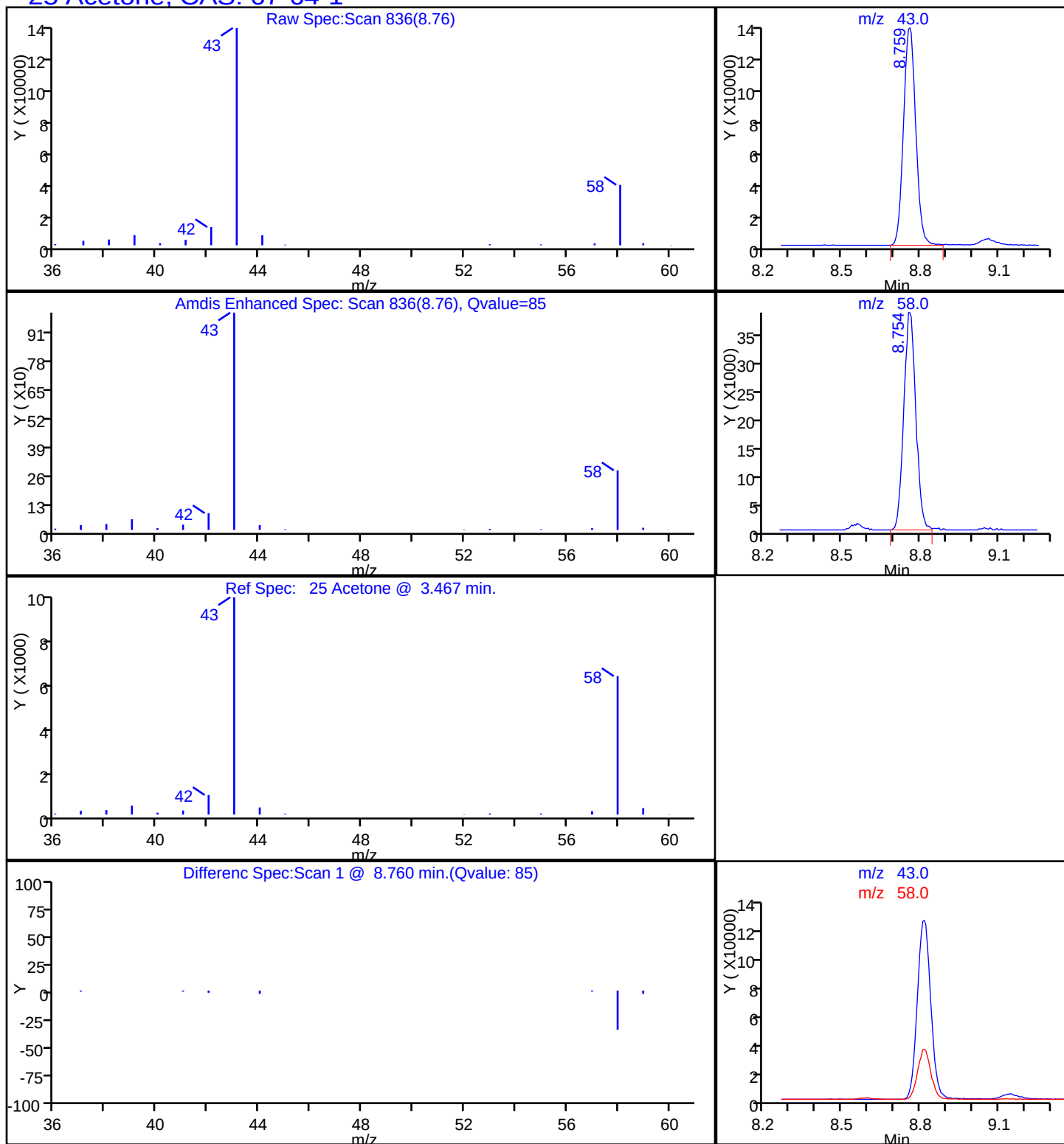
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

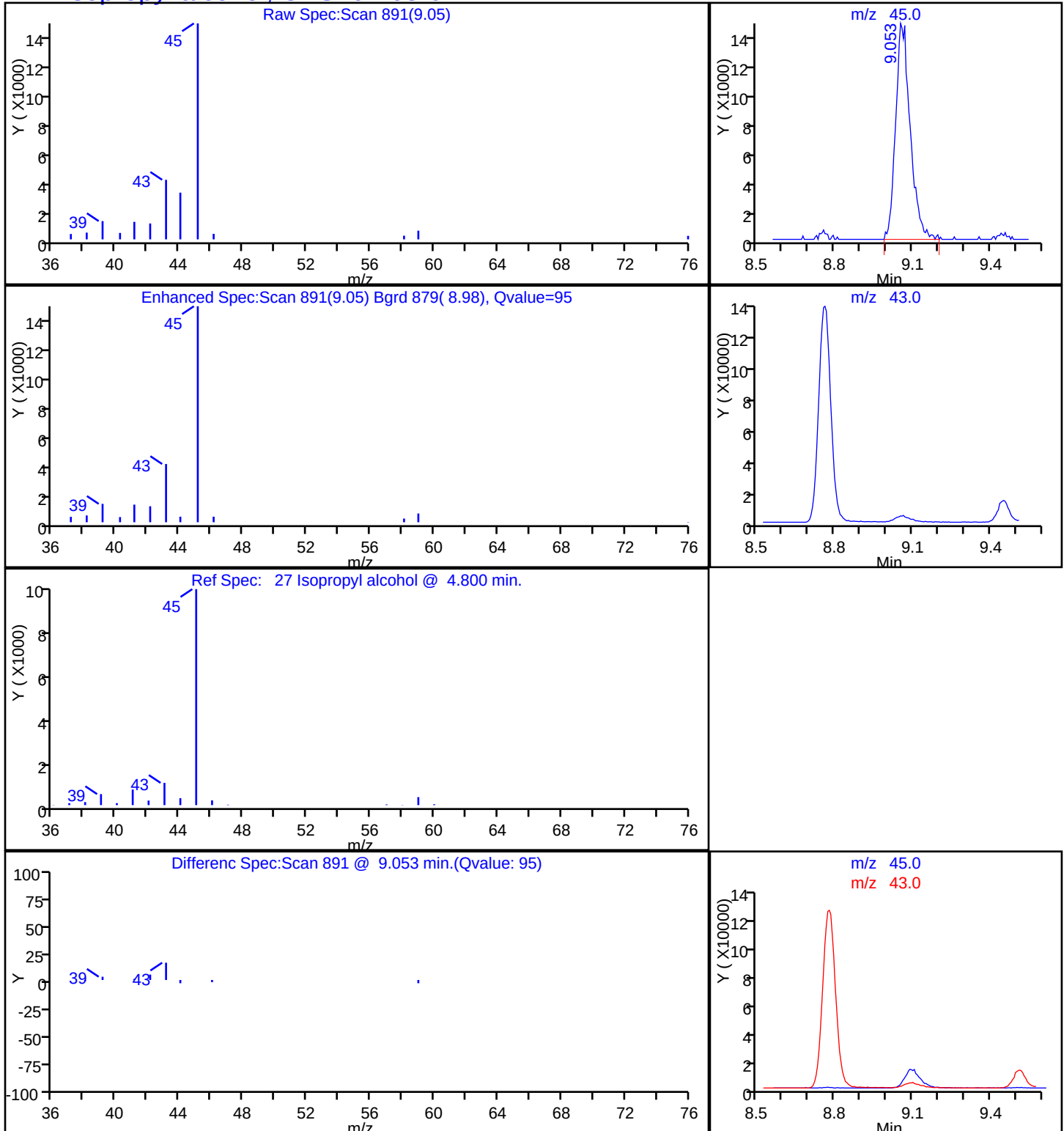
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

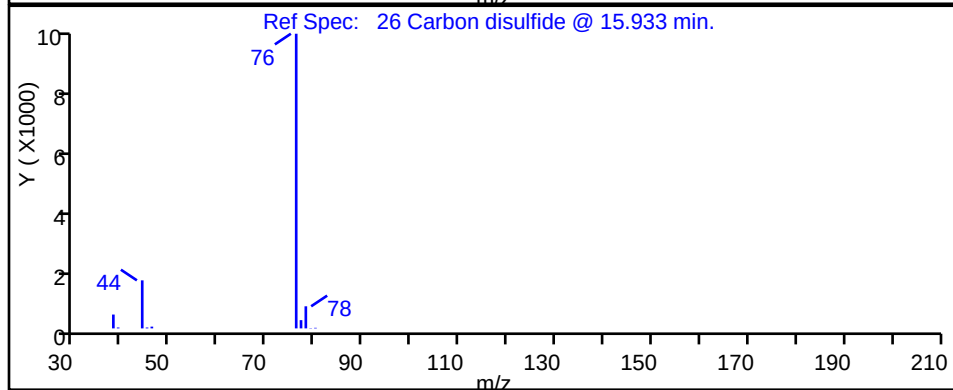
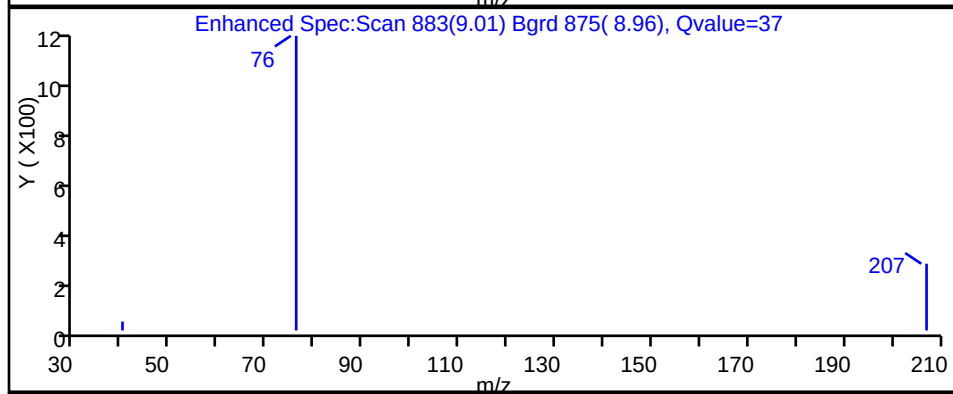
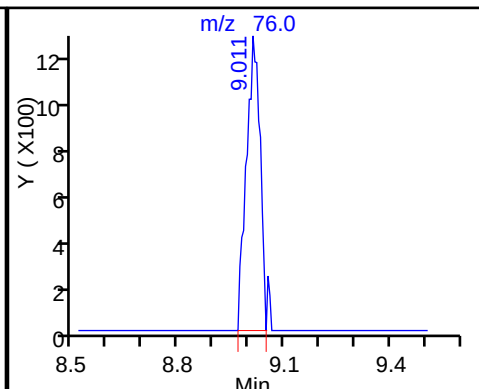
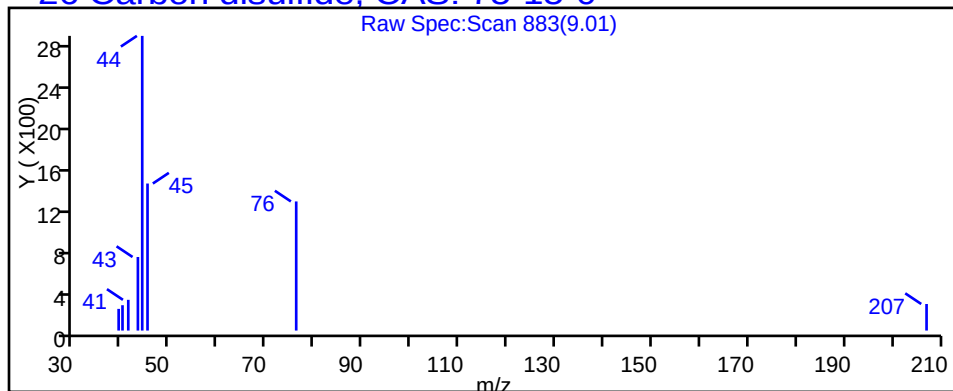
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**26 Carbon disulfide, CAS: 75-15-0**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

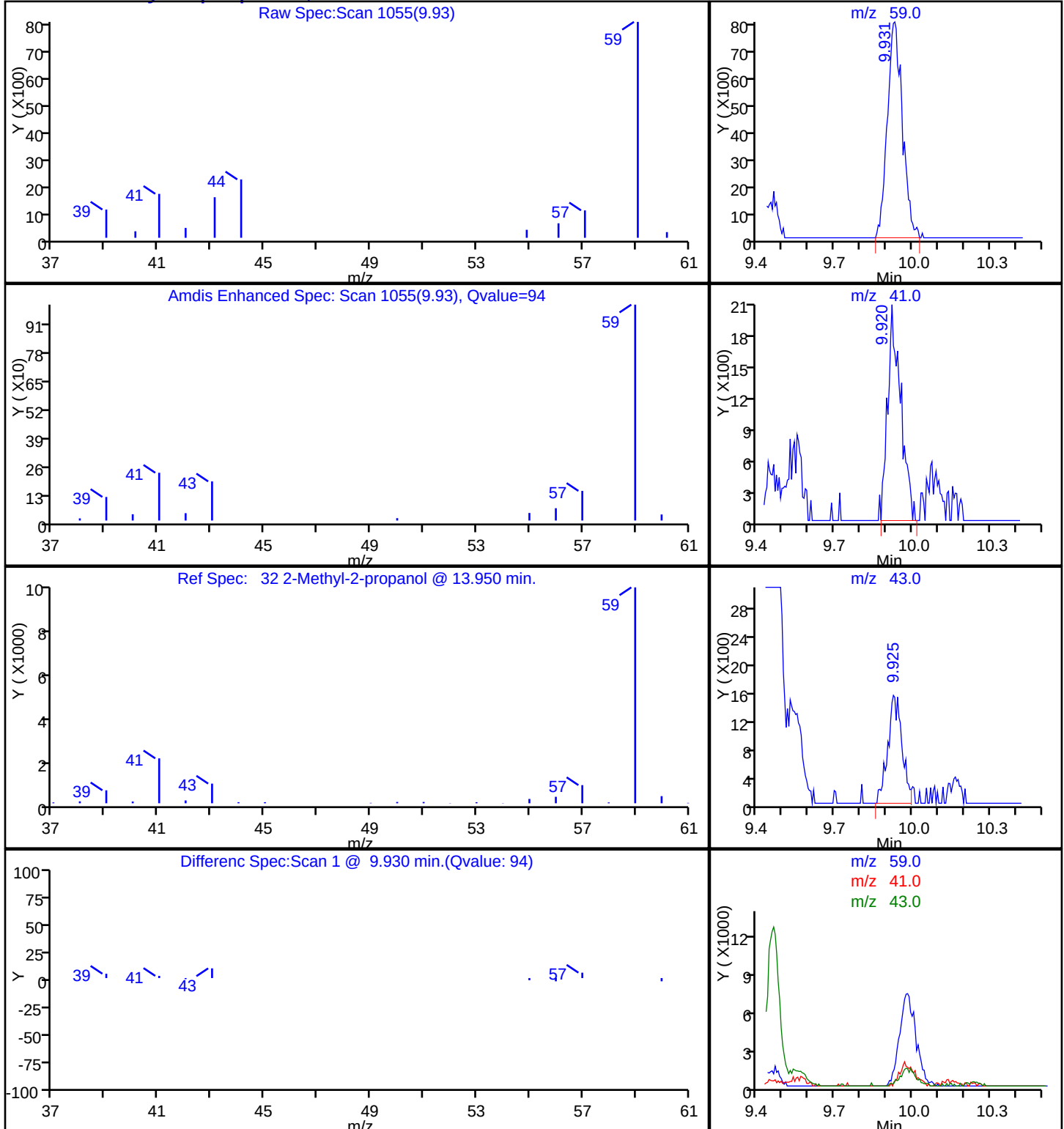
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**32 2-Methyl-2-propanol, CAS: 75-65-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

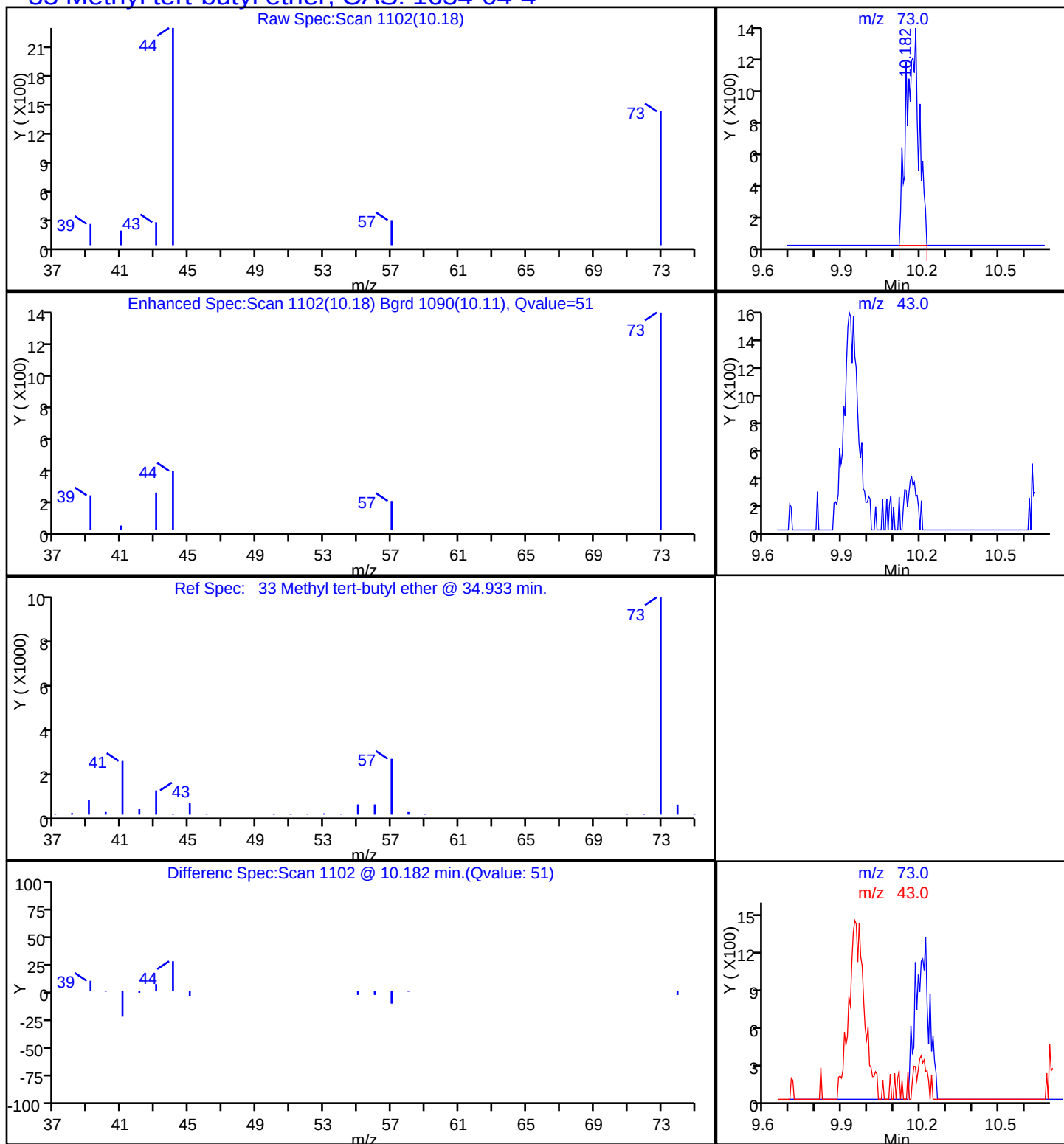
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**33 Methyl tert-butyl ether, CAS: 1634-04-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

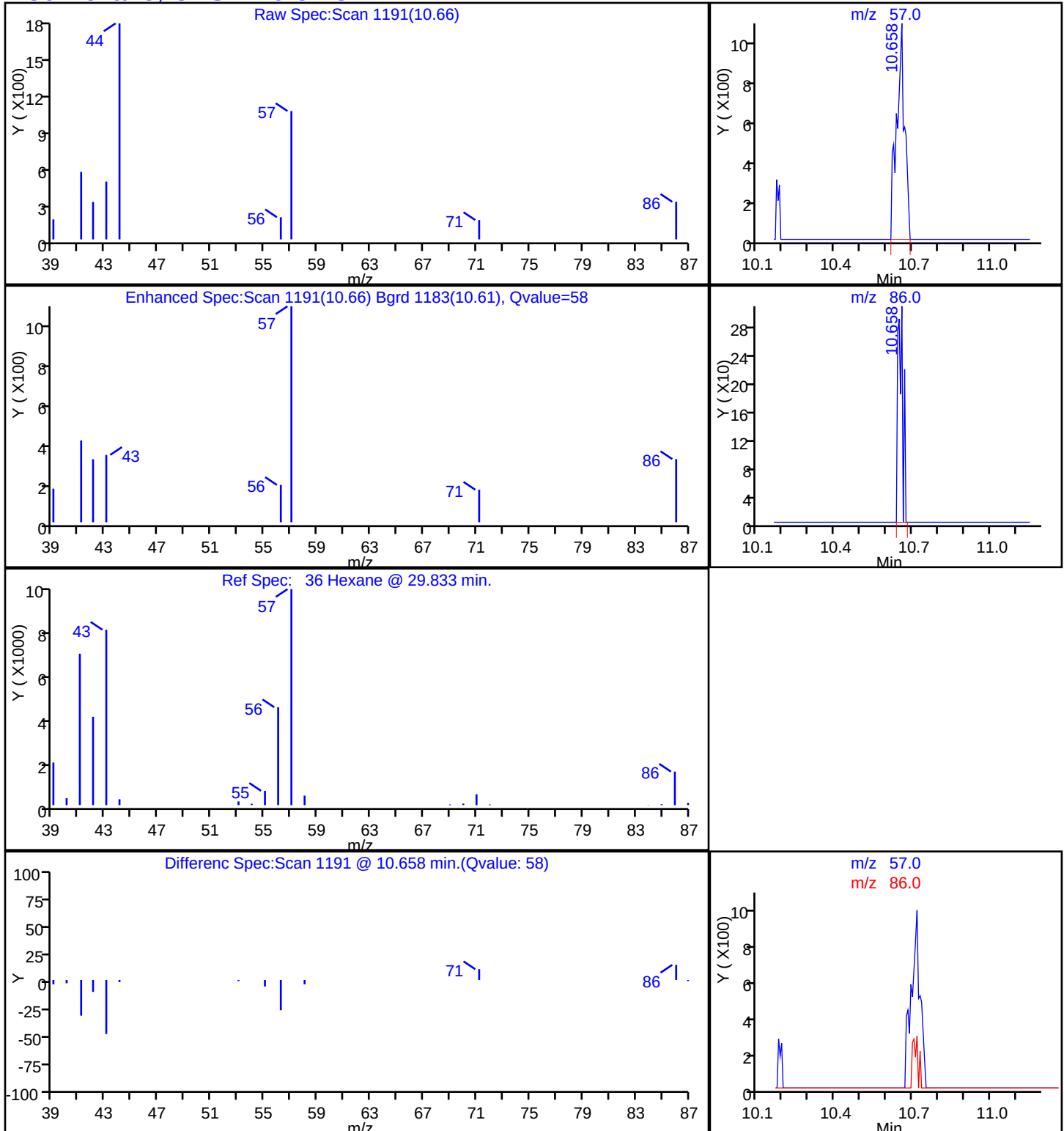
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

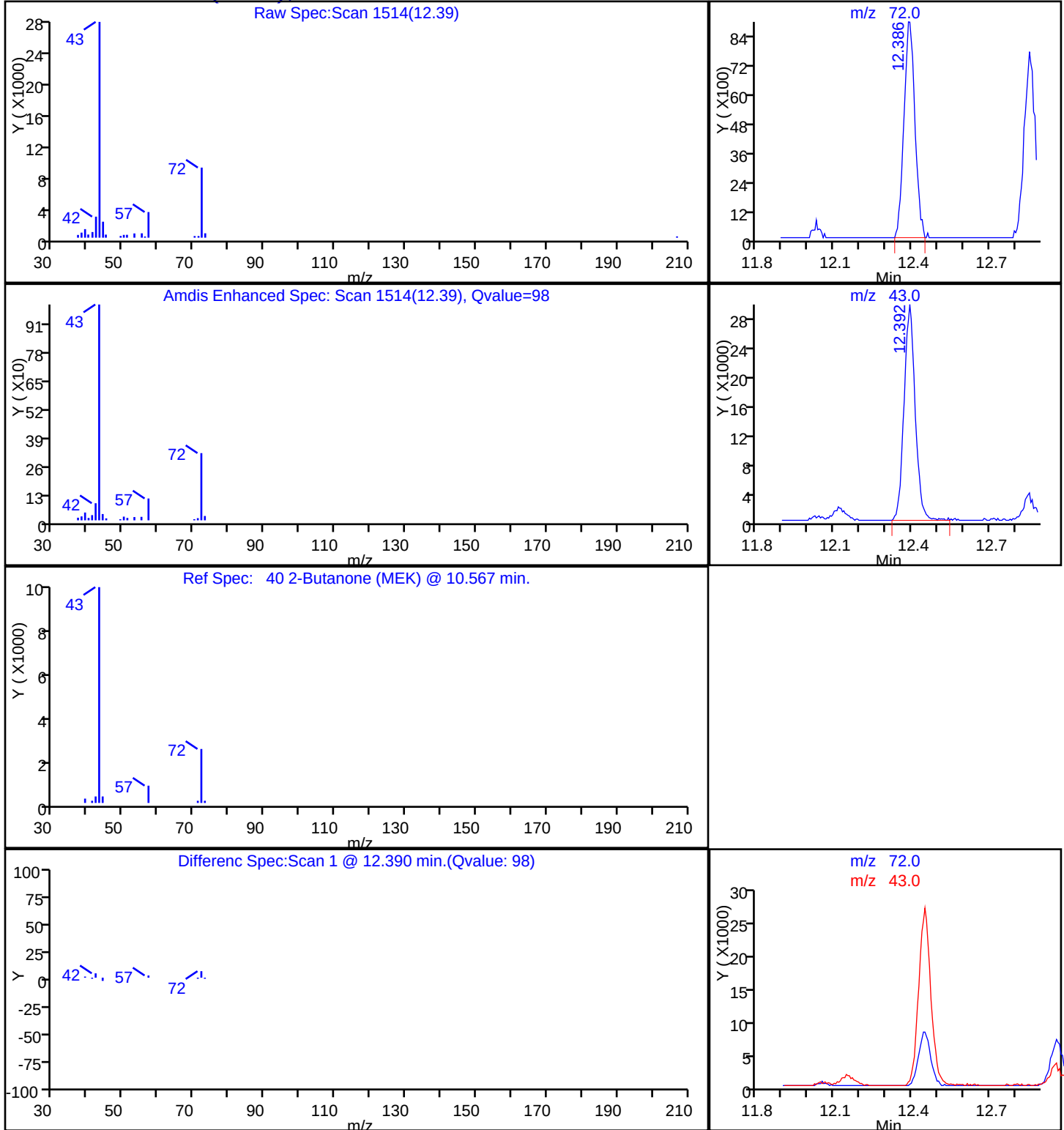
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

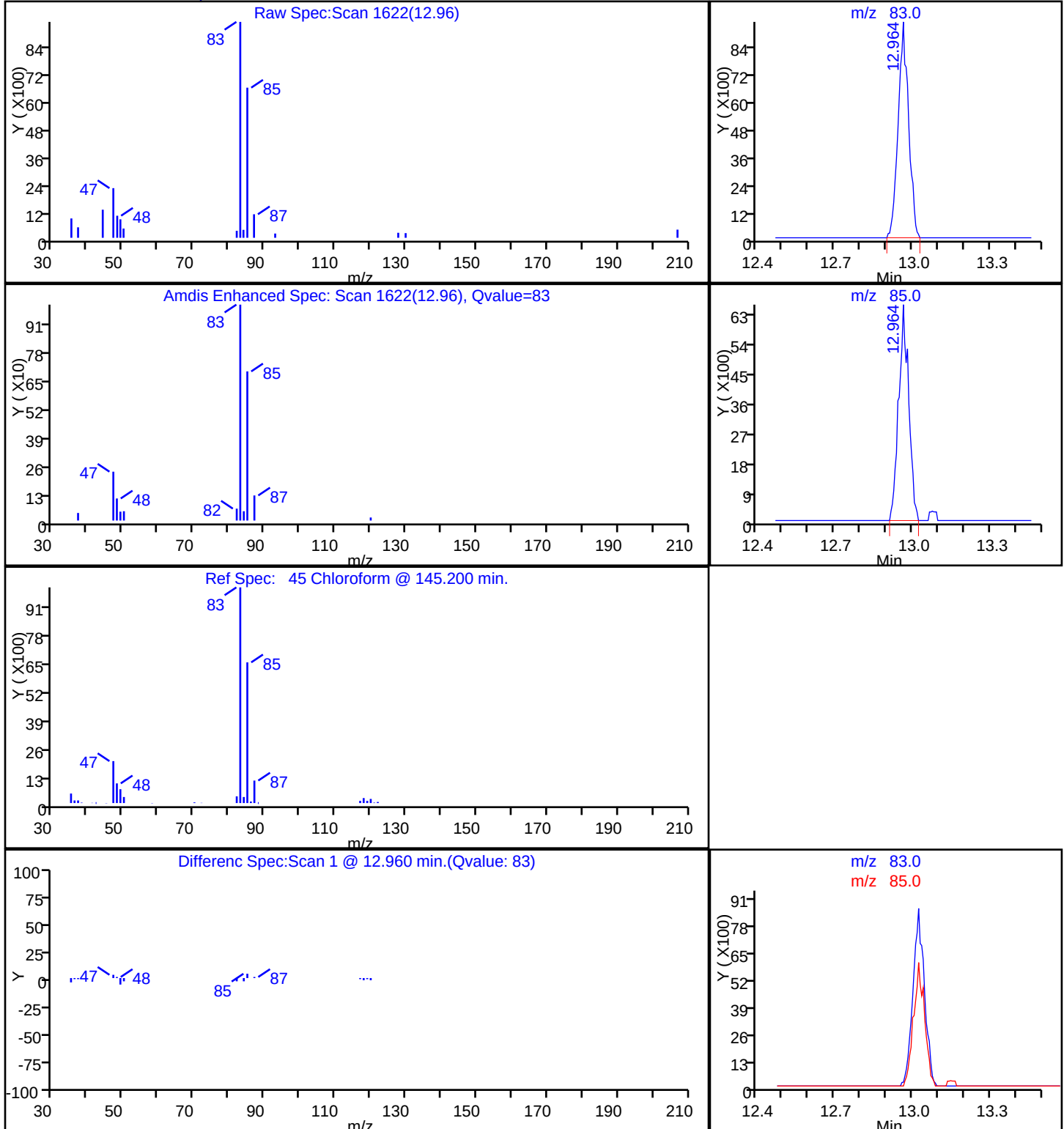
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**45 Chloroform, CAS: 67-66-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

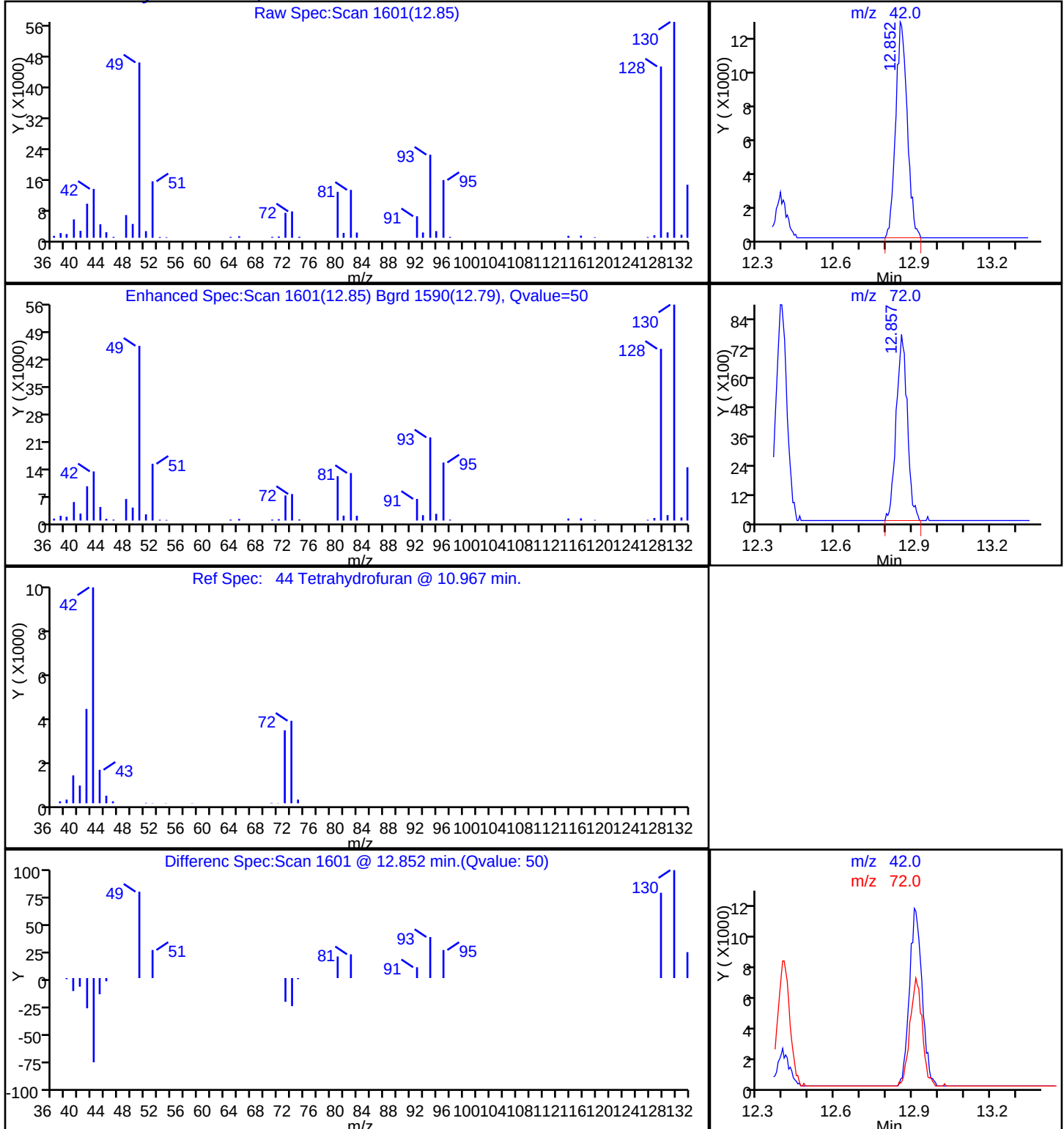
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**44 Tetrahydrofuran, CAS: 109-99-9**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

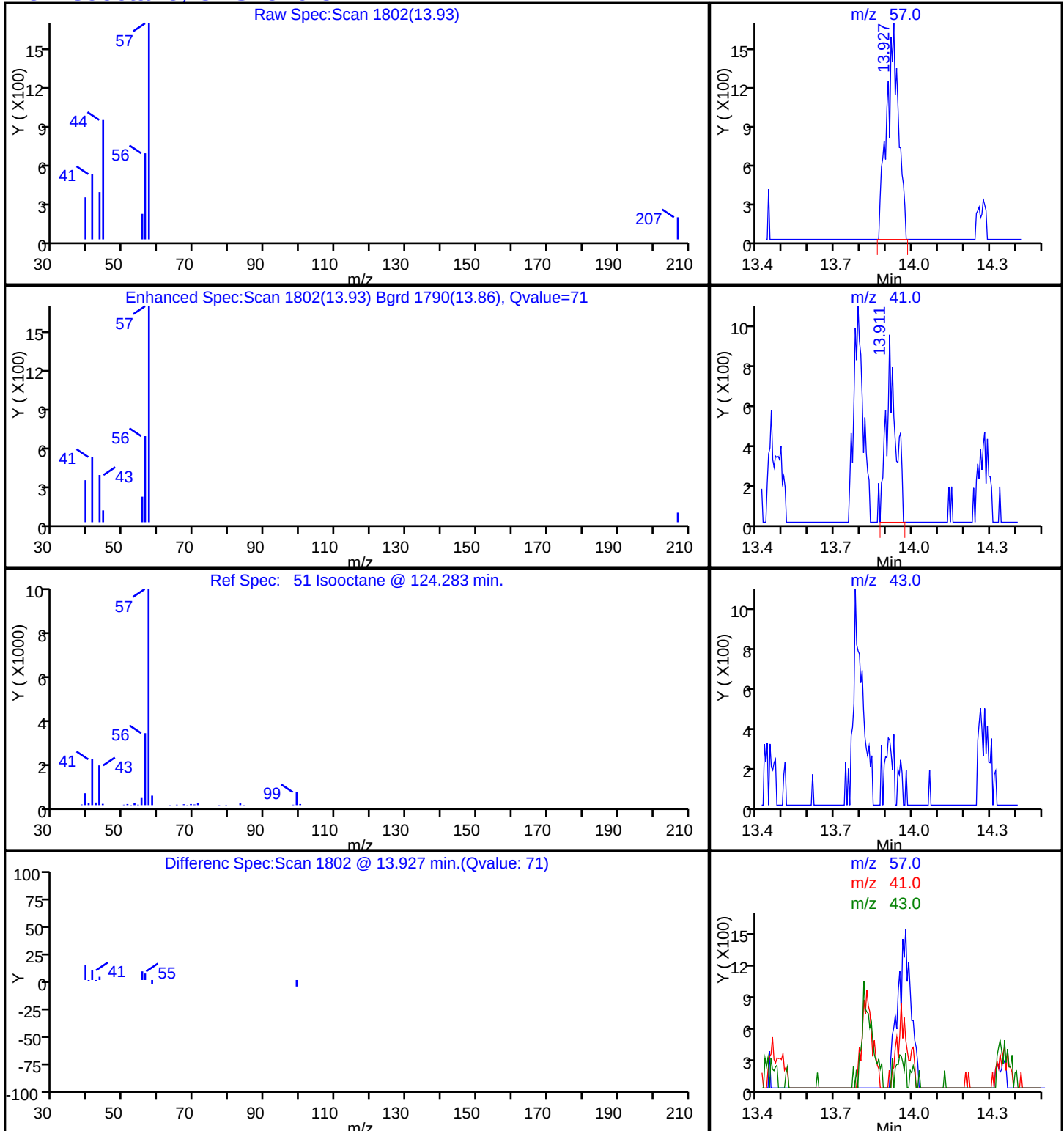
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

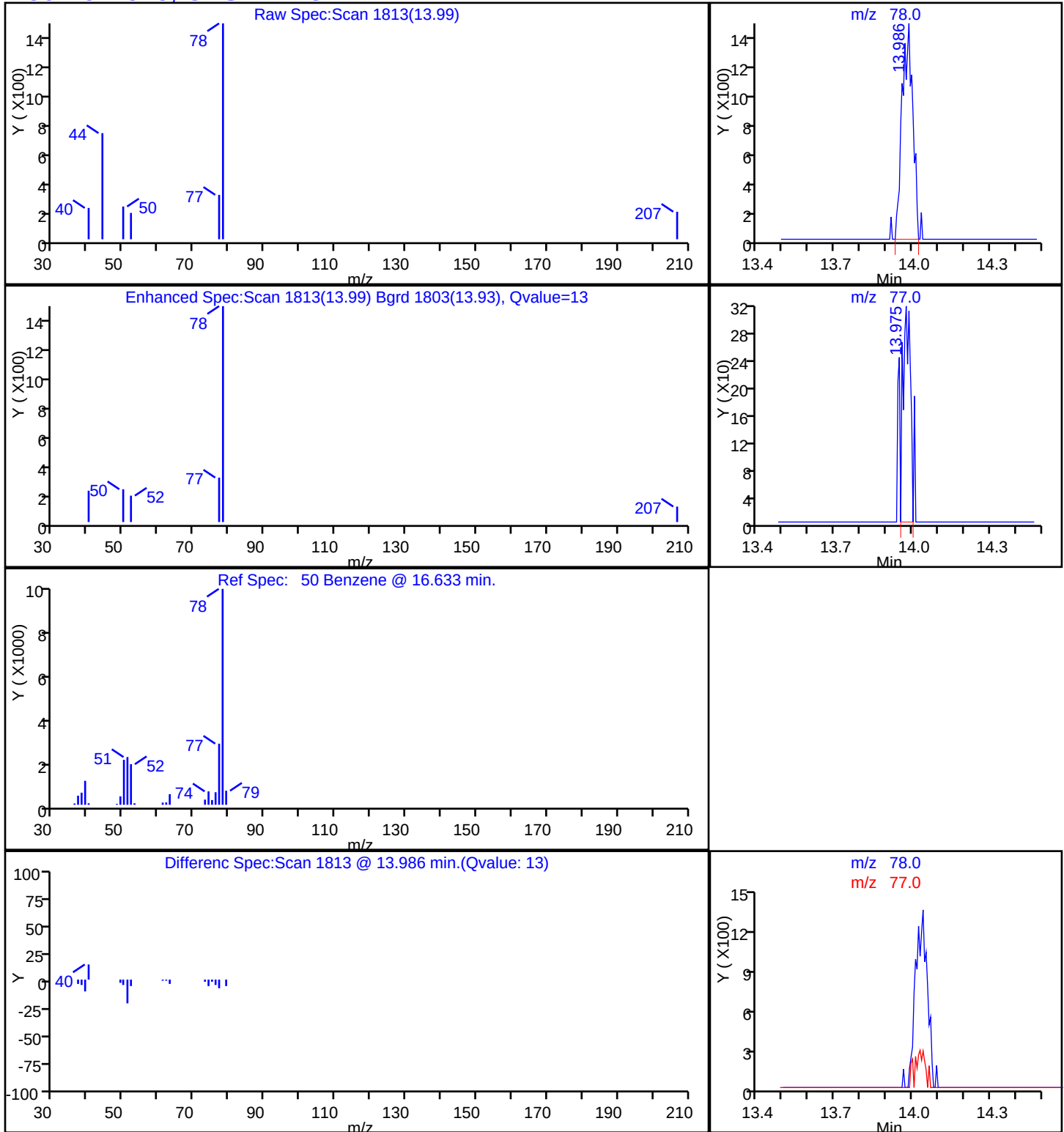
Dil. Factor: 5.0000

Method: TO15\_LLNI\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**50 Benzene, CAS: 71-43-2**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

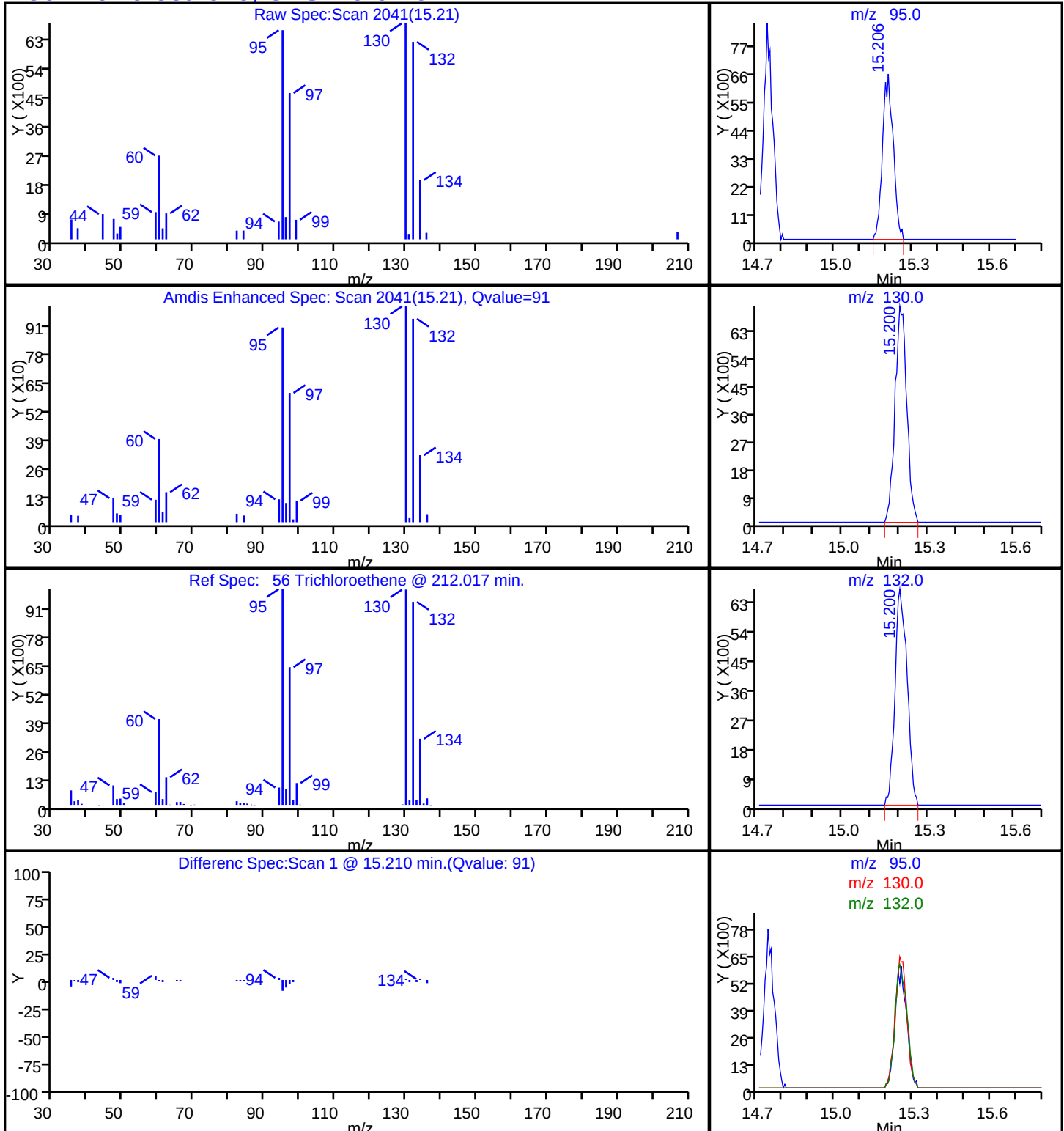
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

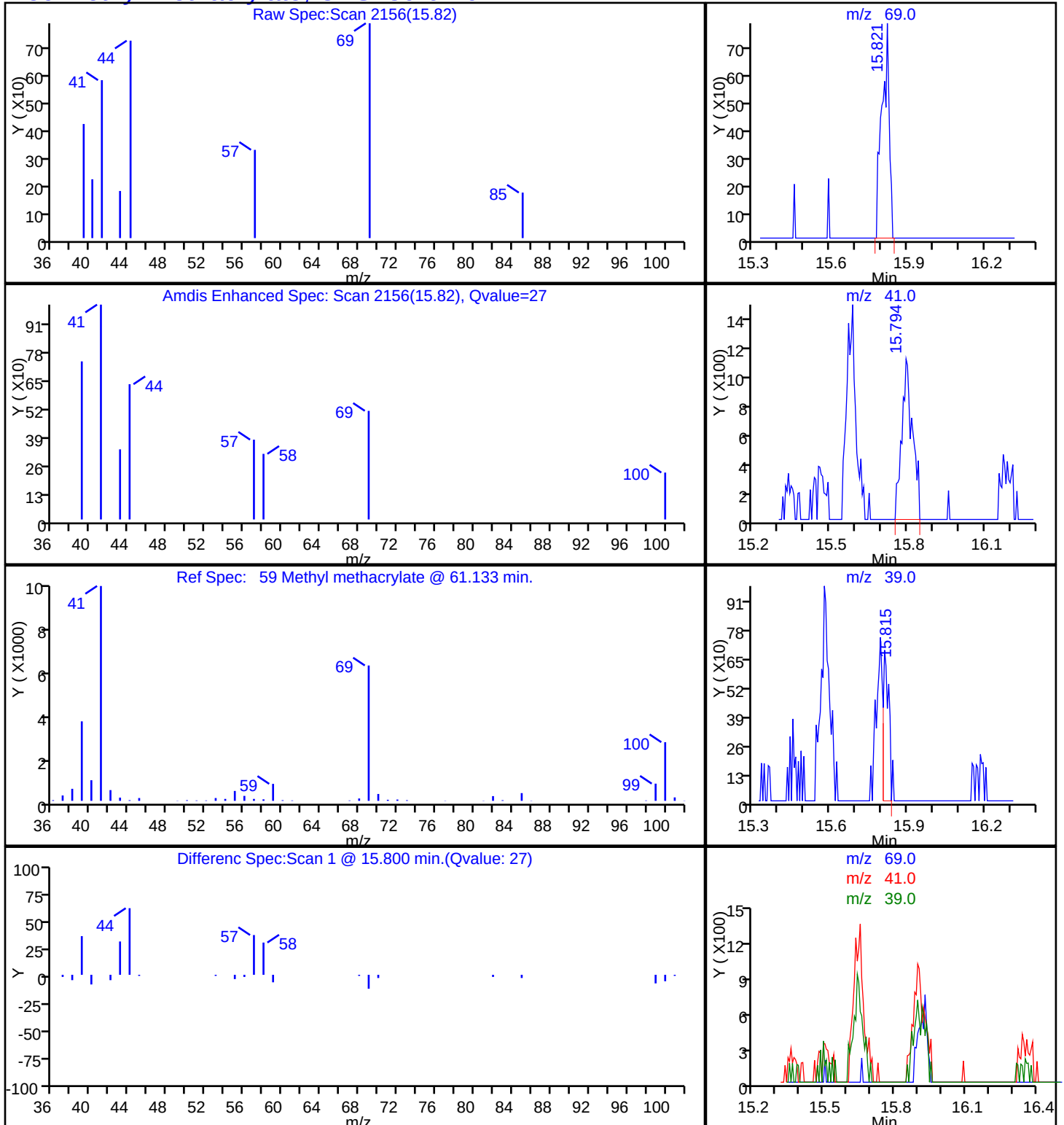
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**59 Methyl methacrylate, CAS: 80-62-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

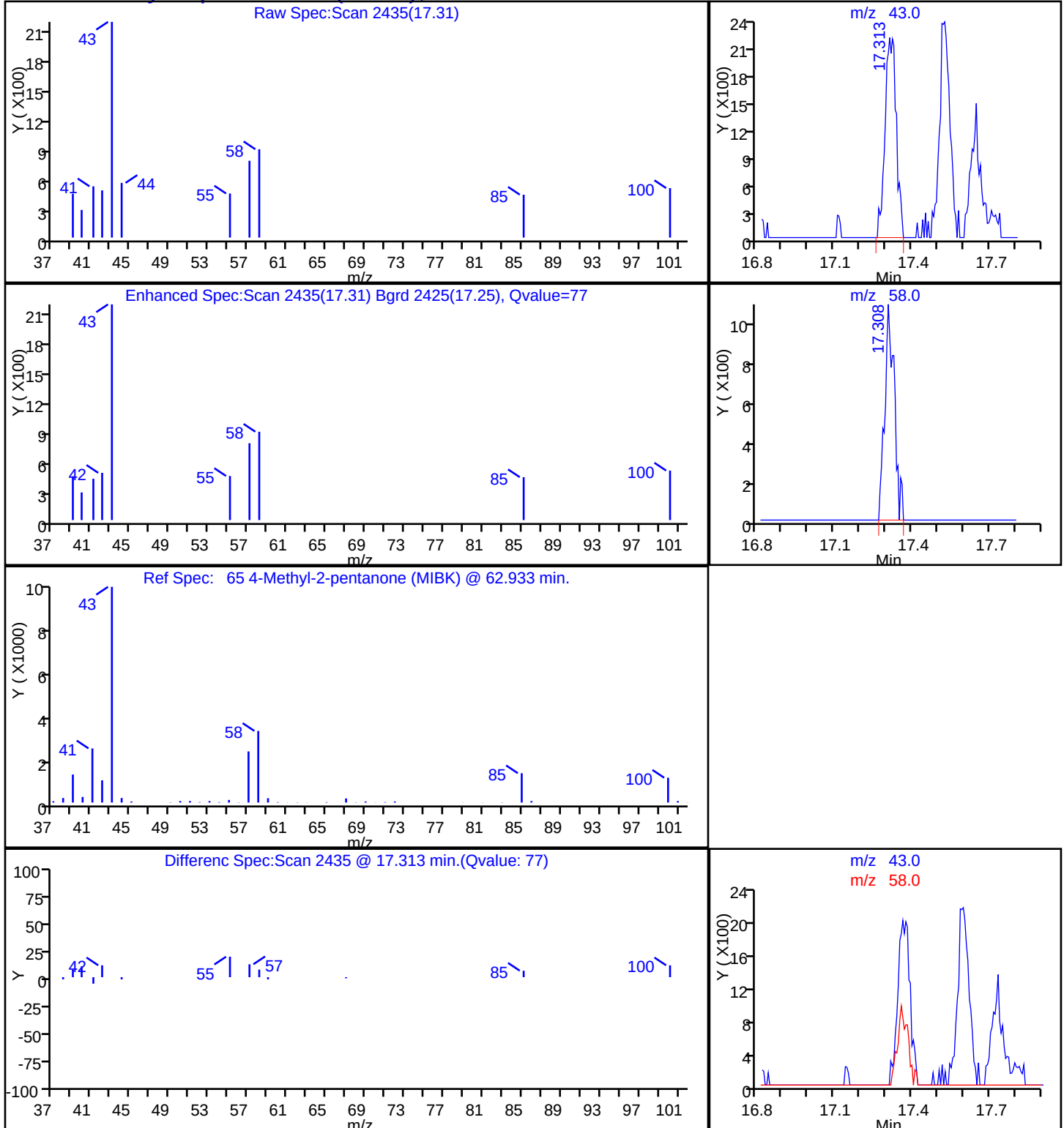
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

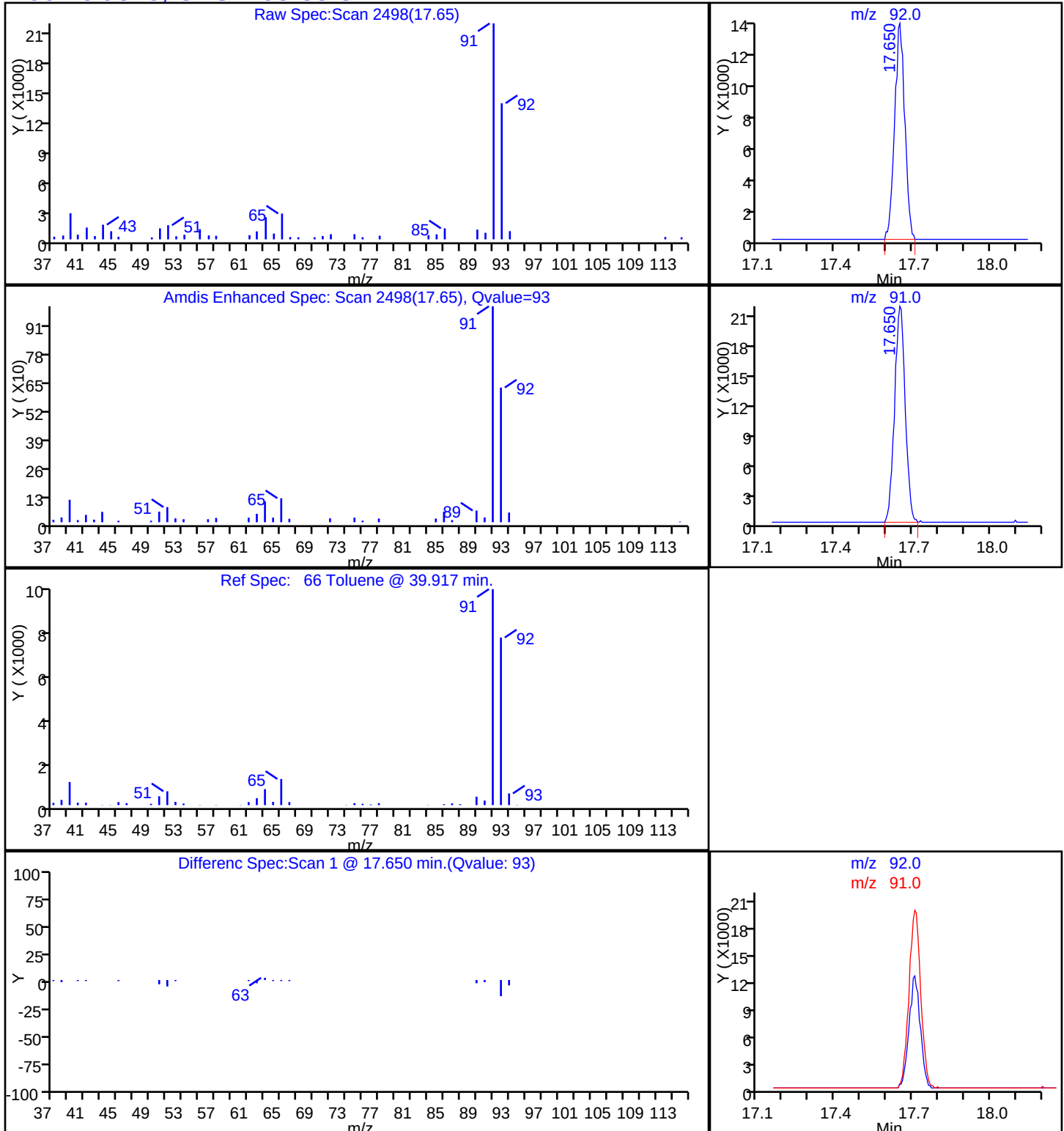
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

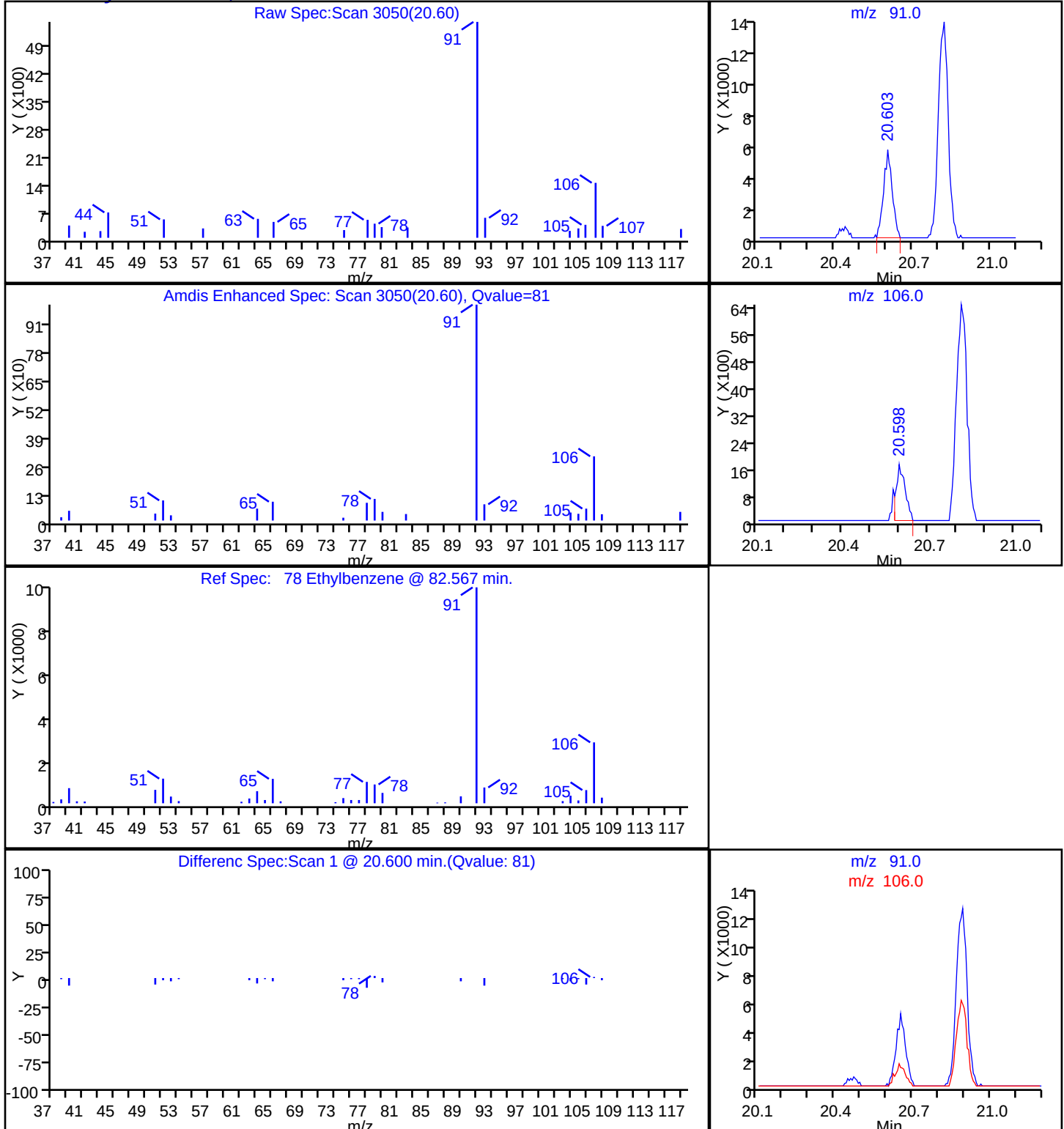
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**78 Ethylbenzene, CAS: 100-41-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

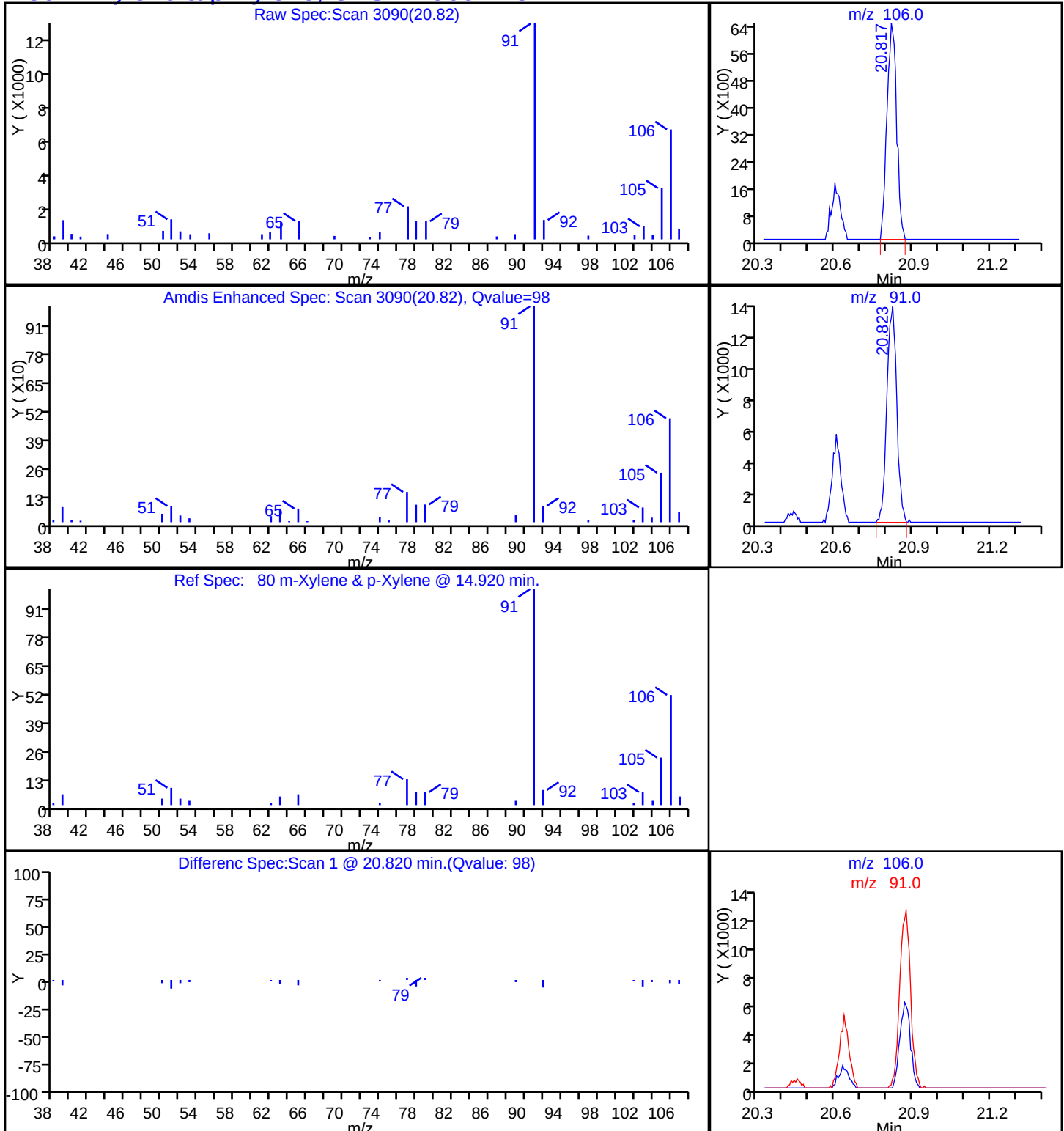
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

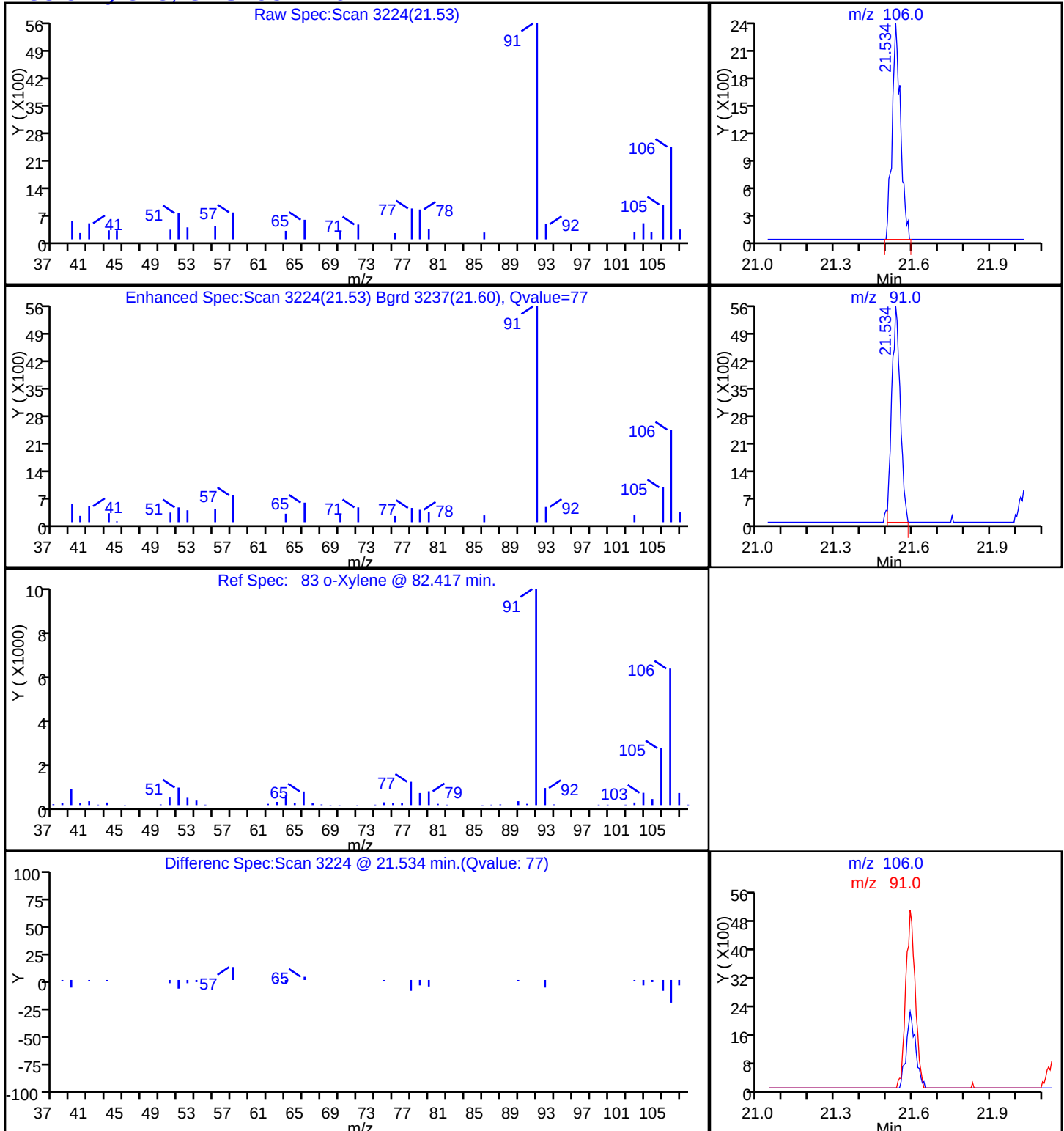
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

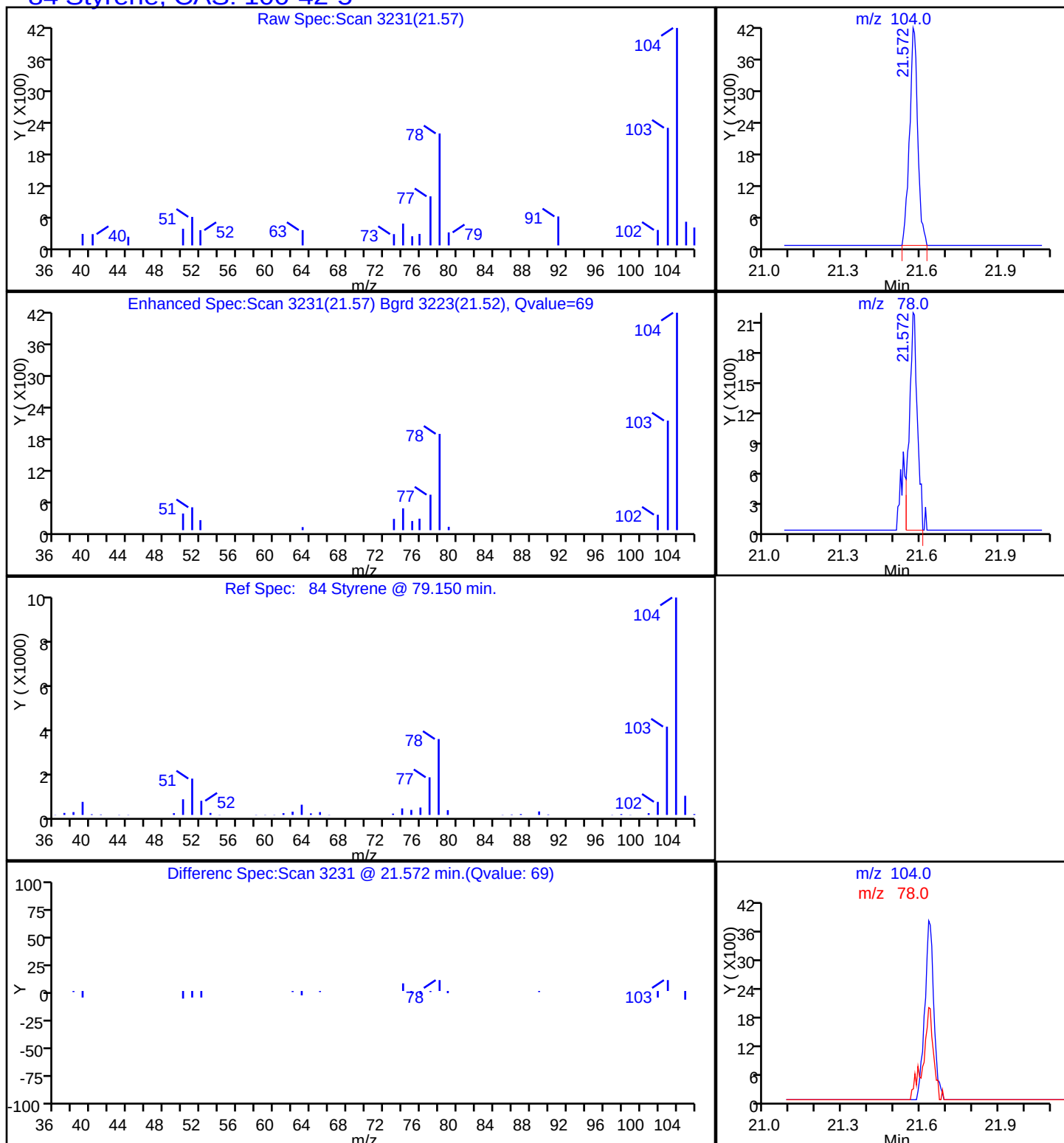
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**84 Styrene, CAS: 100-42-5**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

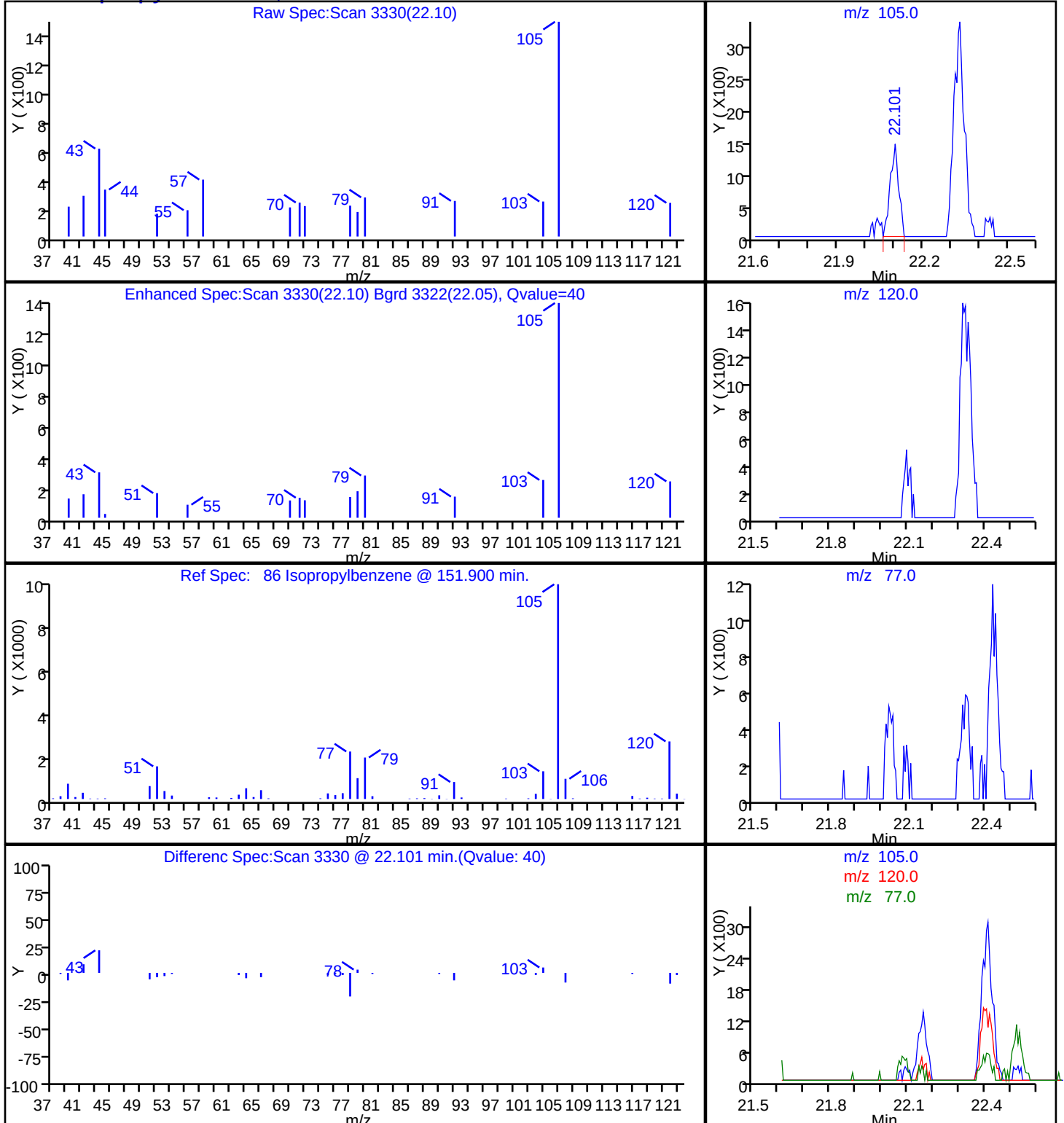
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**86 Isopropylbenzene, CAS: 98-82-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

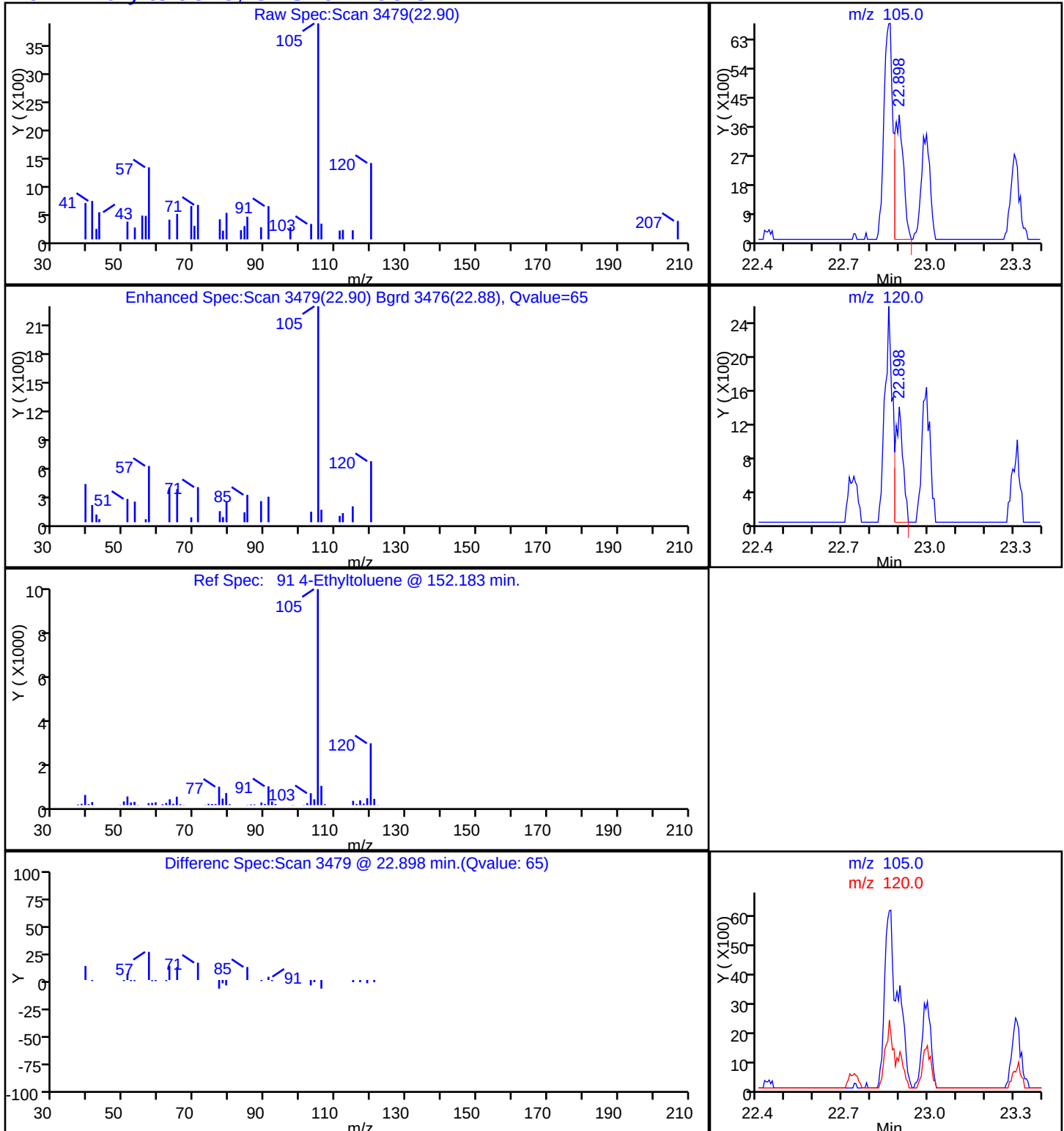
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

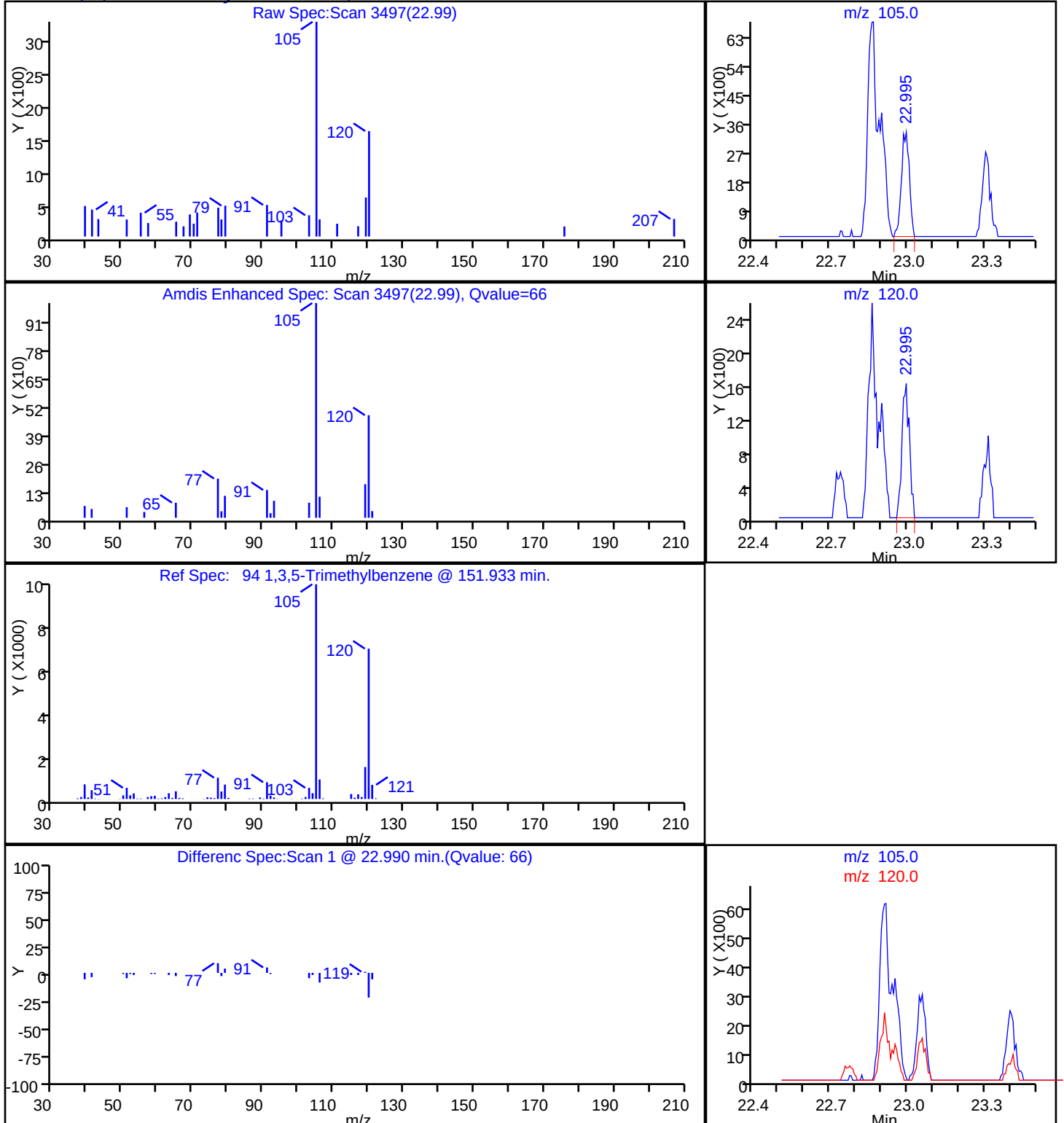
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**94 1,3,5-Trimethylbenzene, CAS: 108-67-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

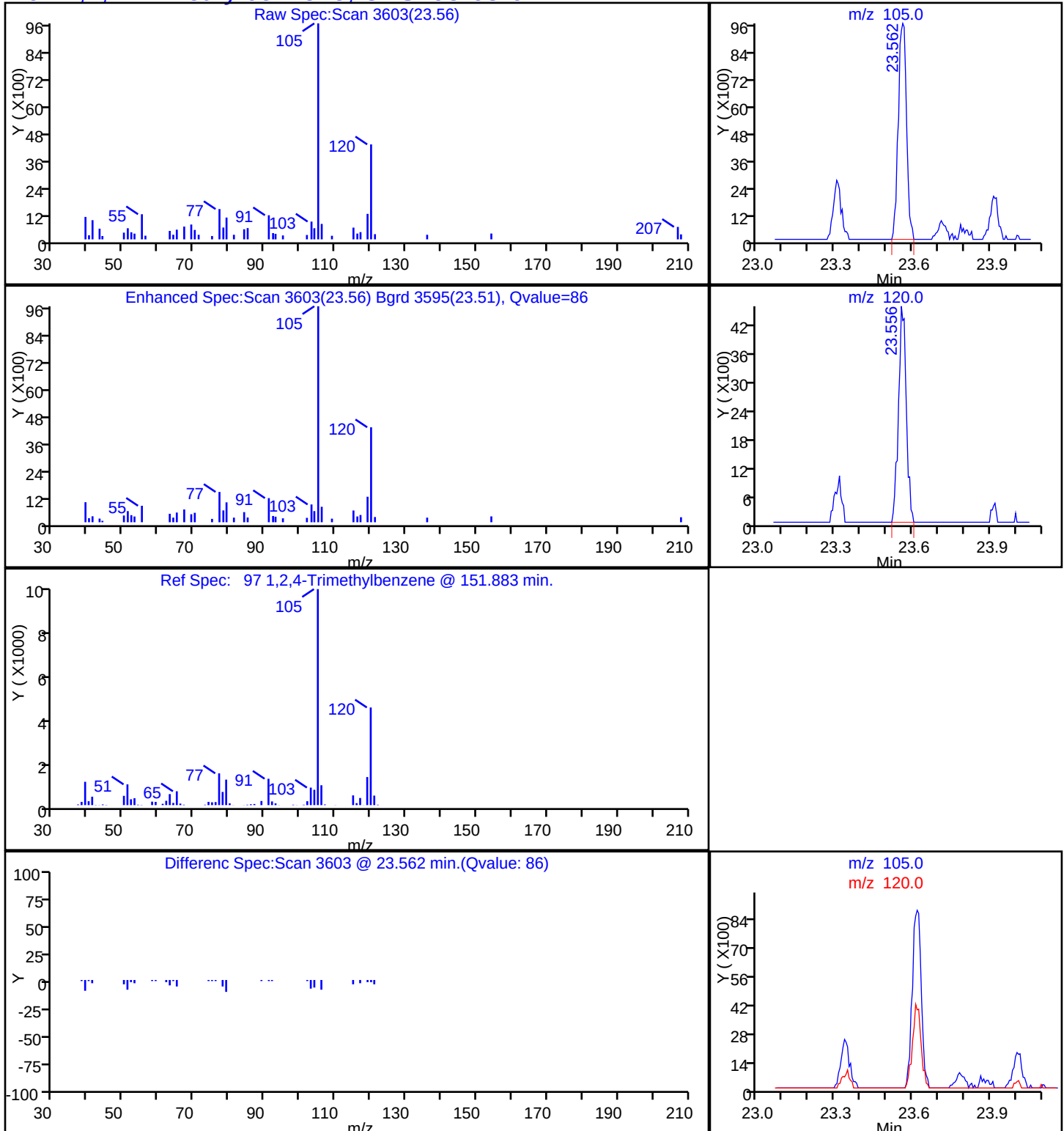
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d

Injection Date: 25-Apr-2014 19:16:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-4

Lab Sample ID: 200-54595-4

Client ID: 101VMP0101CC

Operator ID: pad

ALS Bottle#: 7

Worklist Smp#: 11

Purge Vol: 200.000 mL

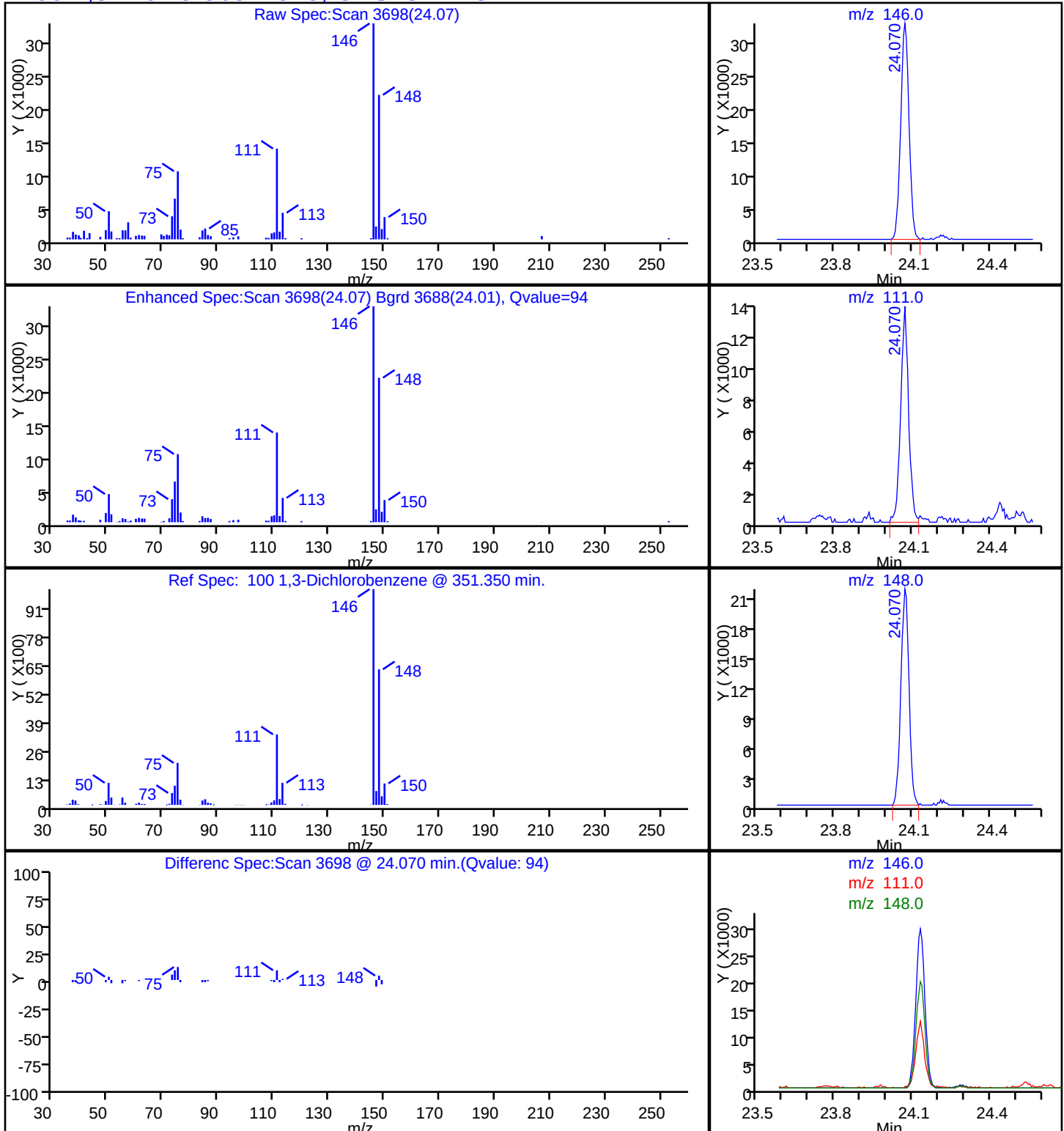
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**100 1,3-Dichlorobenzene, CAS: 541-73-1**

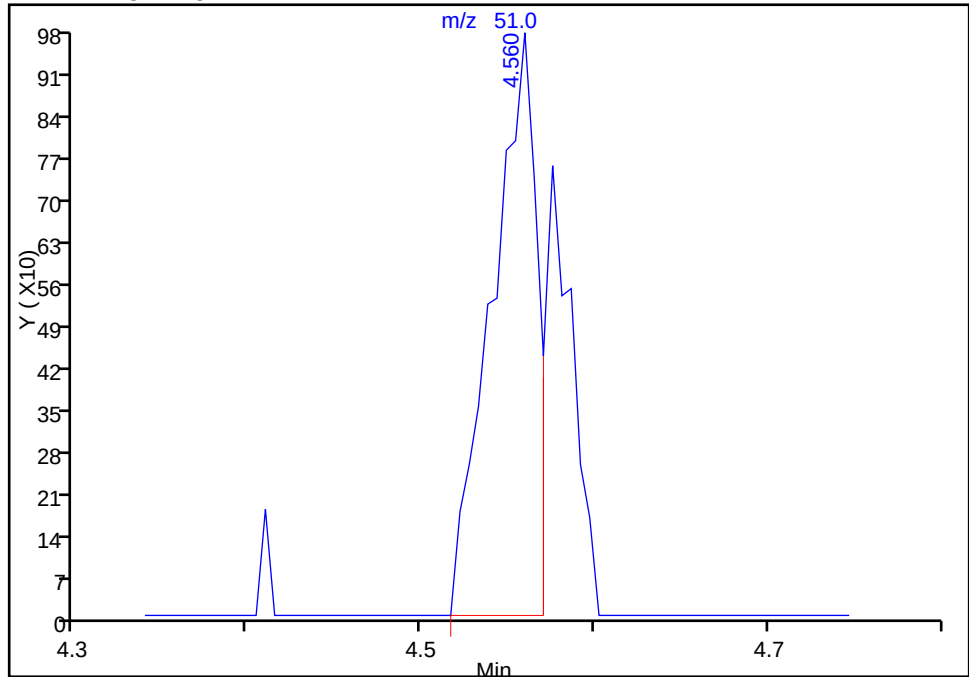
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_010.d |                |              |
| Injection Date: | 25-Apr-2014 19:16:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-4                                          | Lab Sample ID: | 200-54595-4  |
| Client ID:      | 101VMP0101CC                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 7            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 11           |

**6 Chlorodifluoromethane, CAS: 75-45-6**

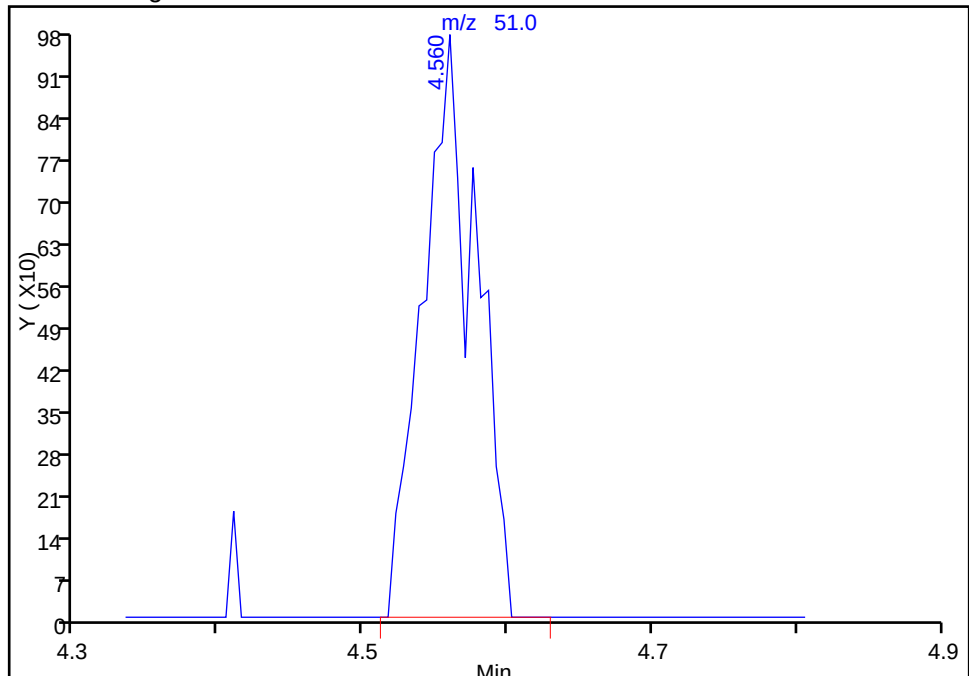
RT: 4.56  
Response: 1784  
Amount: 0.077254

## Processing Integration Results



RT: 4.56  
Response: 2508  
Amount: 0.108606

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

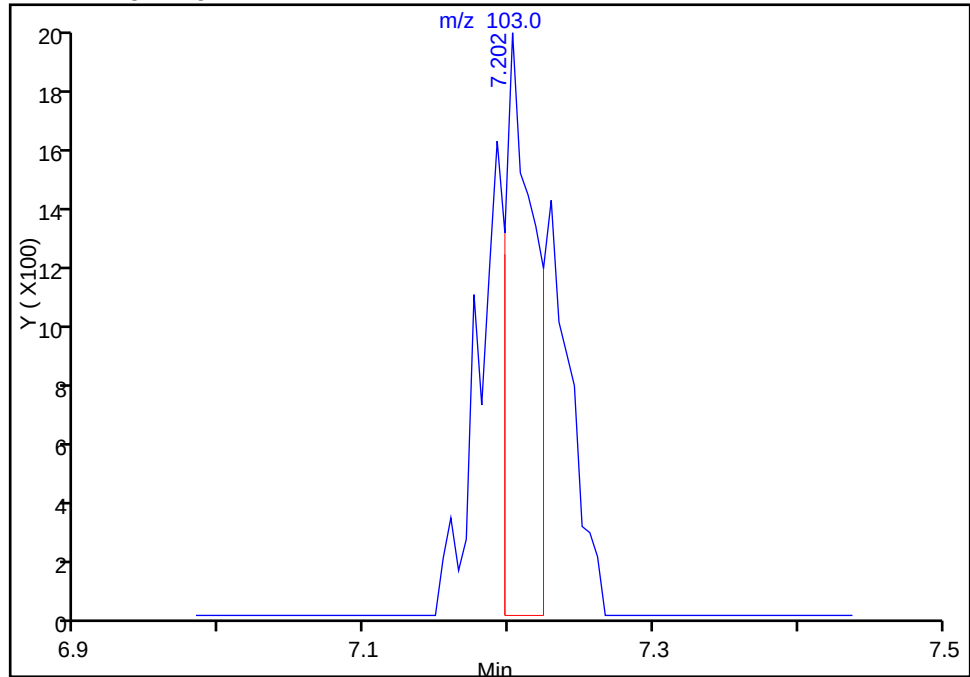
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_010.d |                |              |
| Injection Date: | 25-Apr-2014 19:16:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-4                                          | Lab Sample ID: | 200-54595-4  |
| Client ID:      | 101VMP0101CC                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 7            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 11           |

**17 Trichlorofluoromethane, CAS: 75-69-4**

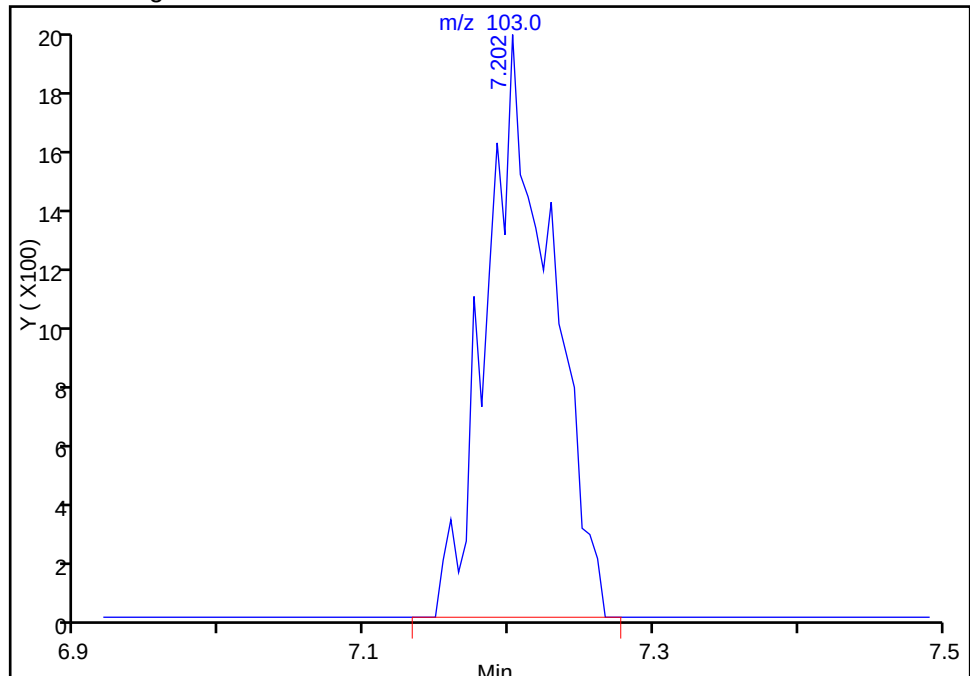
RT: 7.20  
Response: 2766  
Amount: 0.069766

## Processing Integration Results



RT: 7.20  
Response: 6064  
Amount: 0.128614

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

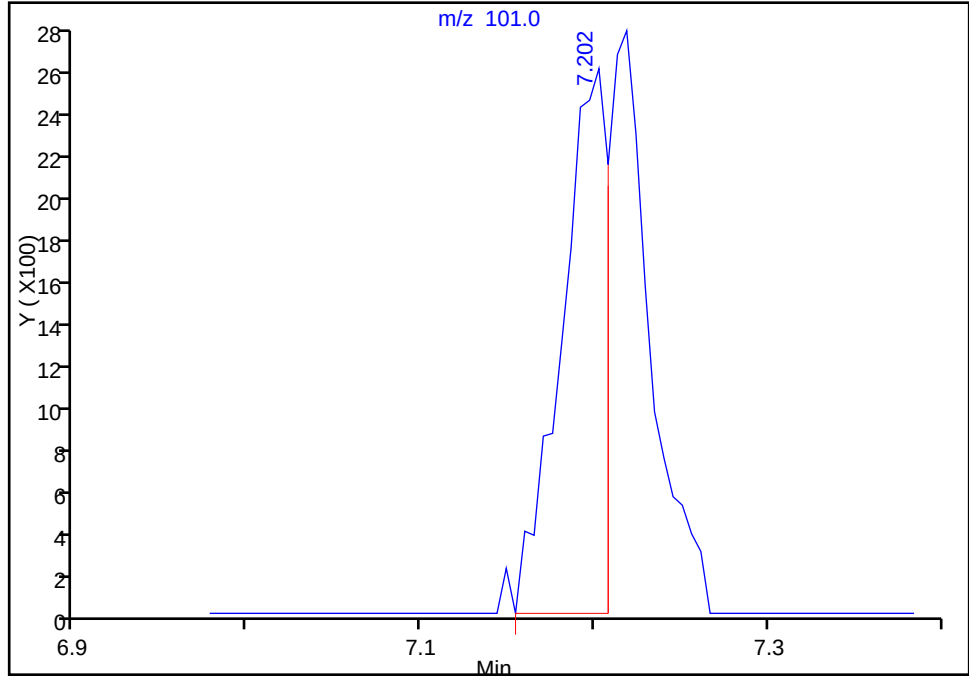
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_010.d  
Injection Date: 25-Apr-2014 19:16:30 Instrument ID: CHW.i  
Lims ID: 280-54595-A-4 Lab Sample ID: 200-54595-4  
Client ID: 101VMP0101CC  
Operator ID: pad ALS Bottle#: 7 Worklist Smp#: 11  
Purge Vol: 200.000 mL Dil. Factor: 5.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 (0.32 mm) Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

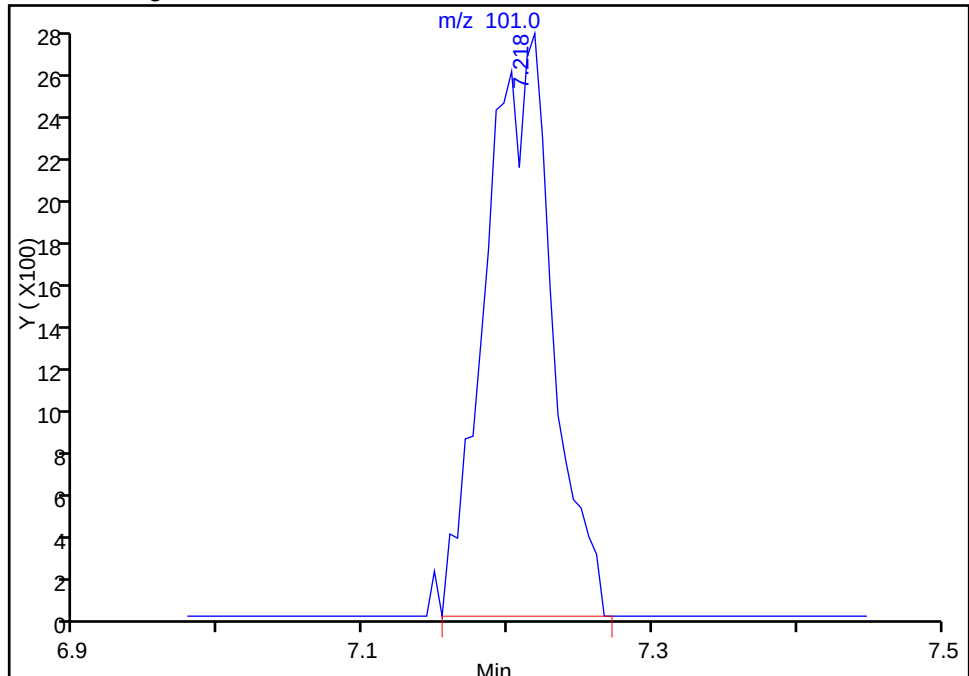
RT: 7.20  
Response: 4767  
Amount: 0.069766

## Processing Integration Results



RT: 7.22  
Response: 8788  
Amount: 0.128614

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



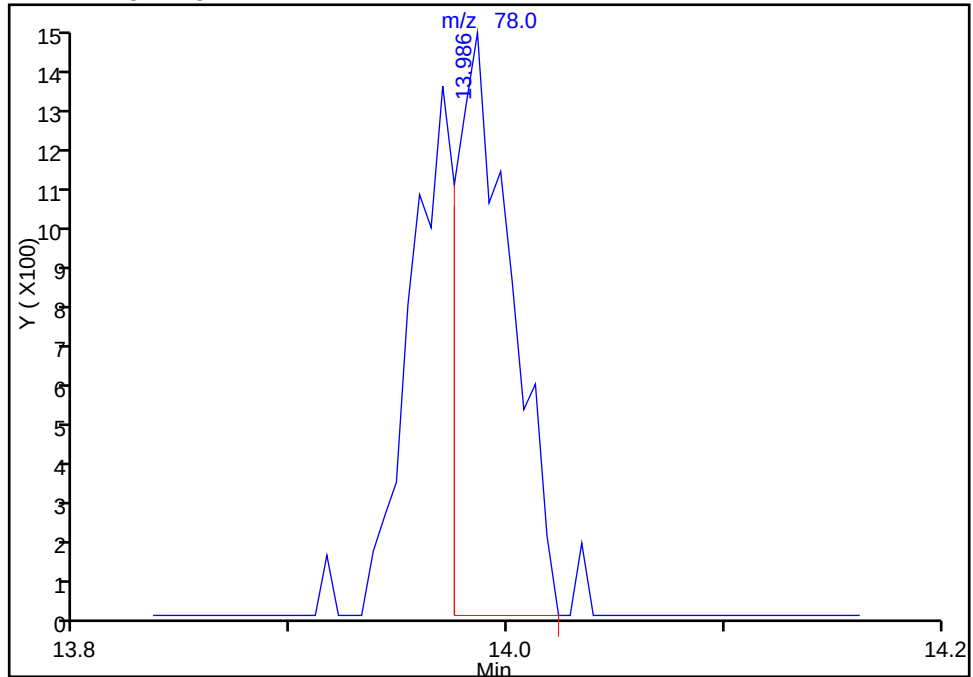
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_010.d |                |              |
| Injection Date: | 25-Apr-2014 19:16:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-4                                          | Lab Sample ID: | 200-54595-4  |
| Client ID:      | 101VMP0101CC                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 7            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 11           |

## 50 Benzene, CAS: 71-43-2

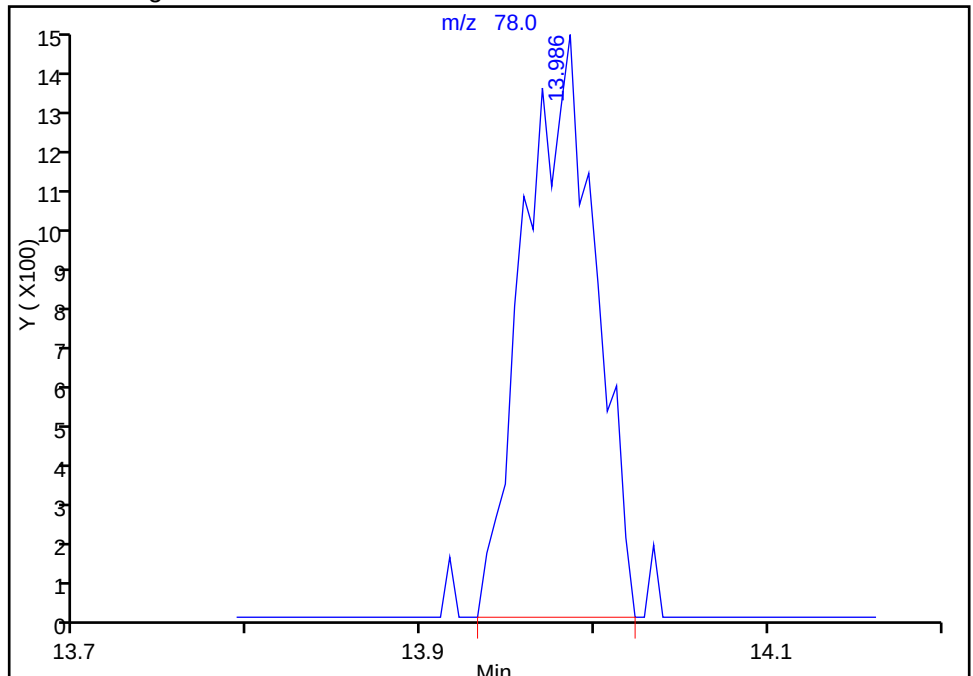
RT: 13.99  
Response: 2639  
Amount: 0.048707

## Processing Integration Results



RT: 13.99  
Response: 4229  
Amount: 0.078054

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

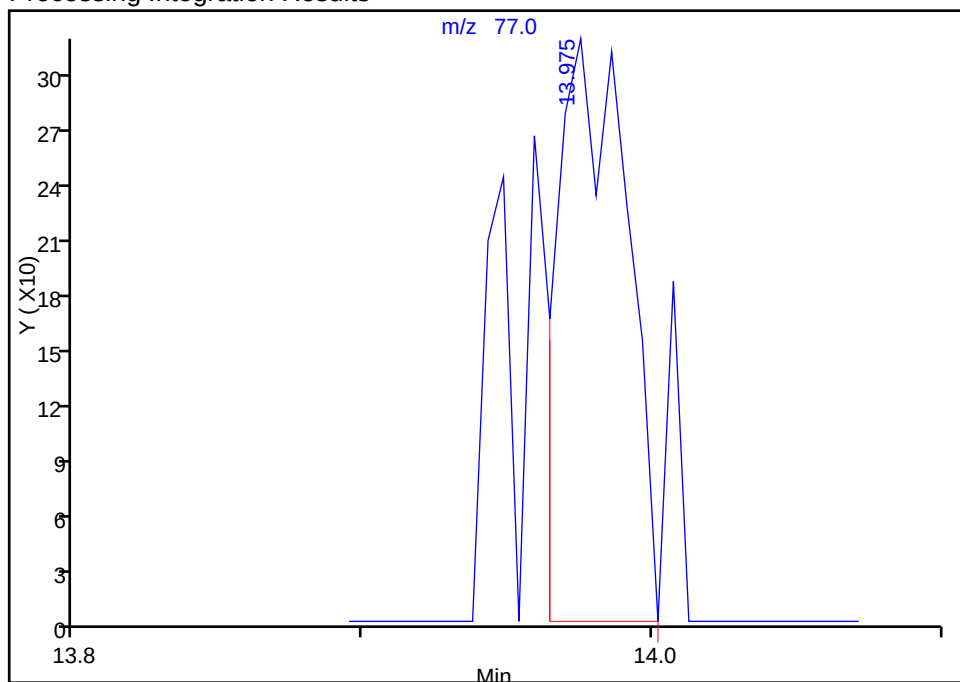
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_010.d |                |              |
| Injection Date: | 25-Apr-2014 19:16:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-4                                          | Lab Sample ID: | 200-54595-4  |
| Client ID:      | 101VMP0101CC                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 7            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 11           |

## 50 Benzene, CAS: 71-43-2

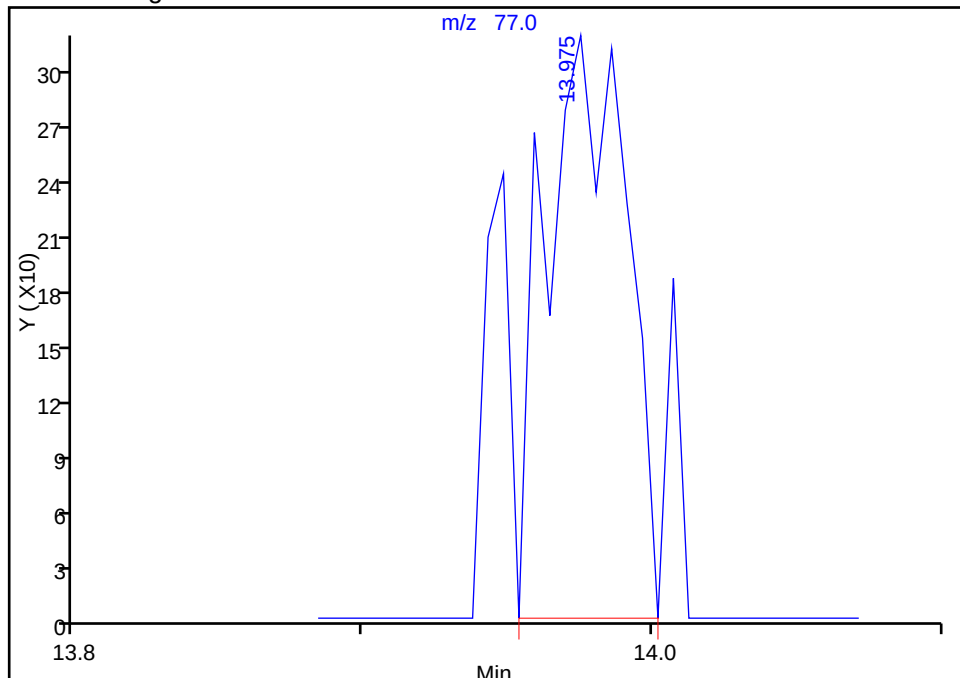
RT: 13.98  
Response: 530  
Amount: 0.048707

## Processing Integration Results



RT: 13.98  
Response: 613  
Amount: 0.078054

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

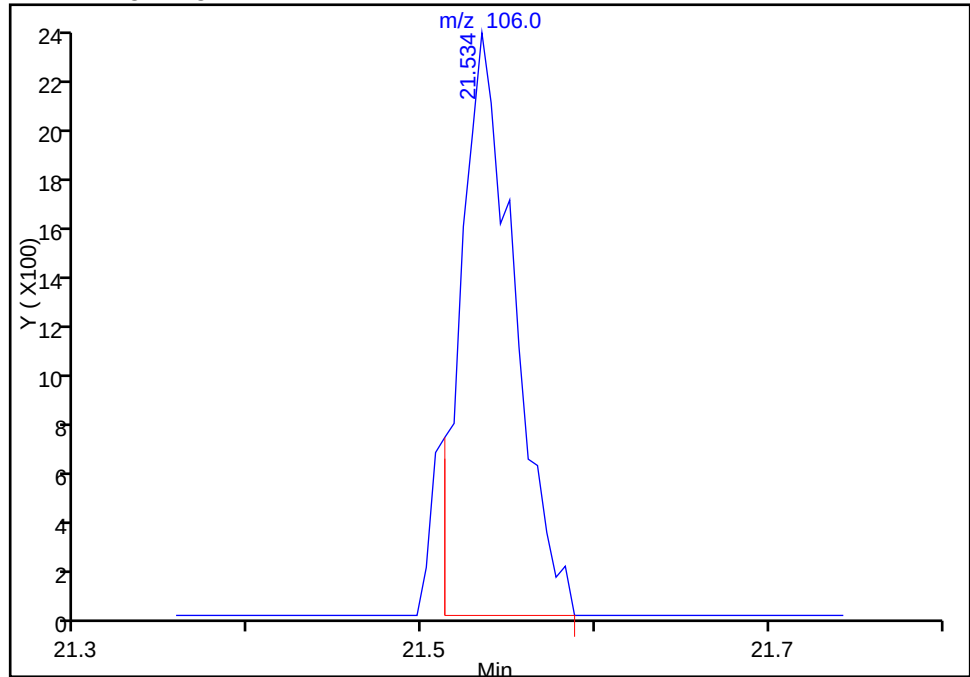
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_010.d |                |              |
| Injection Date: | 25-Apr-2014 19:16:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-4                                          | Lab Sample ID: | 200-54595-4  |
| Client ID:      | 101VMP0101CC                                           |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 7            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 11           |

## 83 o-Xylene, CAS: 95-47-6

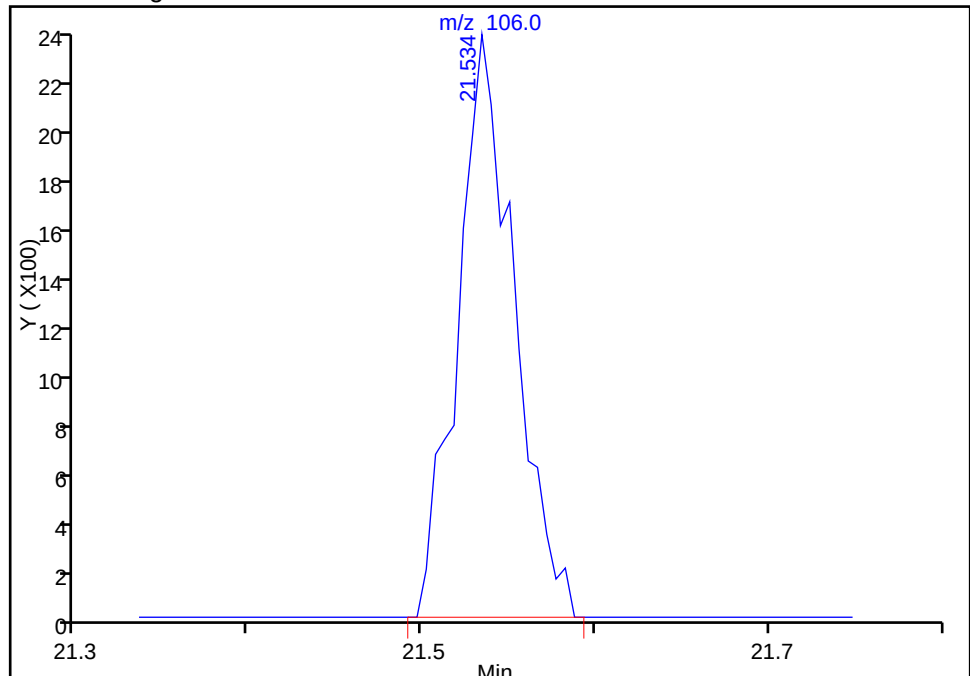
RT: 21.53  
Response: 5097  
Amount: 0.134546

## Processing Integration Results



RT: 21.53  
Response: 5374  
Amount: 0.141858

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:01  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5

Matrix: Air Lab File ID: 7223\_011.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:40

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL    |
|-----------|-------------------------------|------------------|--------|-------|-----|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.70   | J D   | 2.5 | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.43   | J D M | 2.5 | 0.24  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.40   | U     | 1.0 | 0.18  |
| 74-87-3   | Chloromethane                 | 50.49            | 2.5    | U     | 2.5 | 0.68  |
| 106-97-8  | n-Butane                      | 58.12            | 8.5    | D     | 2.5 | 1.4   |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.40   | U     | 1.0 | 0.19  |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.40   | U     | 1.0 | 0.21  |
| 74-83-9   | Bromomethane                  | 94.94            | 0.40   | U     | 1.0 | 0.14  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.40   | U     | 2.5 | 0.15  |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.40   | U     | 1.0 | 0.15  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.66   | J D   | 1.0 | 0.15  |
| 76-13-1   | Freon TF                      | 187.38           | 0.15   | U     | 1.0 | 0.090 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.40   | U     | 1.0 | 0.12  |
| 67-64-1   | Acetone                       | 58.08            | 130    | D     | 25  | 6.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 73     | D     | 25  | 1.1   |
| 75-15-0   | Carbon disulfide              | 76.14            | 1.0    | U     | 2.5 | 0.33  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.40   | U     | 2.5 | 0.17  |
| 75-09-2   | Methylene Chloride            | 84.93            | 1.0    | U     | 2.5 | 0.63  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 2.5    | U     | 25  | 1.6   |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.40   | U     | 1.0 | 0.11  |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.40   | U     | 1.0 | 0.15  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.78   | J D   | 1.0 | 0.17  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.40   | U     | 1.0 | 0.19  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 6.0    | D     | 2.5 | 1.2   |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.40   | U     | 1.0 | 0.19  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.40   | U     | 1.0 | 0.32  |
| 67-66-3   | Chloroform                    | 119.38           | 0.40   | U     | 1.0 | 0.13  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.40   | U     | 25  | 0.23  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.40   | U     | 1.0 | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.40   | U     | 1.0 | 0.13  |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.40   | U     | 1.0 | 0.11  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 1.3    | D     | 1.0 | 0.14  |
| 71-43-2   | Benzene                       | 78.11            | 0.39   | J D   | 1.0 | 0.095 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.15   | U     | 1.0 | 0.085 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5

Matrix: Air Lab File ID: 7223\_011.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:40

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL    |
|-------------|----------------------------------|------------------|--------|-----|-----|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.40   | U   | 1.0 | 0.23  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.40   | U   | 1.0 | 0.12  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.40   | U   | 2.5 | 0.15  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.40   | U   | 1.0 | 0.16  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 1.0    | U   | 25  | 1.0   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.15   | U   | 1.0 | 0.085 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.40   | U   | 1.0 | 0.14  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.64   | J D | 2.5 | 0.14  |
| 108-88-3    | Toluene                          | 92.14            | 9.7    | D   | 1.0 | 0.085 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.40   | U   | 1.0 | 0.11  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.15   | U   | 1.0 | 0.085 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.15   | U   | 1.0 | 0.080 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 1.0    | U   | 2.5 | 1.0   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.15   | U   | 1.0 | 0.10  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.40   | U   | 1.0 | 0.10  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.15   | U   | 1.0 | 0.041 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.46   | J D | 1.0 | 0.065 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 1.7    | J D | 2.5 | 0.12  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.57   | J D | 1.0 | 0.080 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 2.3    |     | 1.0 | 0.17  |
| 100-42-5    | Styrene                          | 104.15           | 0.15   | U   | 1.0 | 0.090 |
| 75-25-2     | Bromoform                        | 252.75           | 0.15   | U   | 1.0 | 0.050 |
| 98-82-8     | Cumene                           | 120.19           | 0.15   | U   | 1.0 | 0.080 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.15   | U   | 1.0 | 0.080 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.40   | U   | 1.0 | 0.40  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.16   | J D | 1.0 | 0.090 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.26   | J D | 1.0 | 0.060 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.15   | U   | 1.0 | 0.065 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.15   | U   | 1.0 | 0.085 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.71   | J D | 1.0 | 0.070 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.40   | U   | 1.0 | 0.40  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.40   | U   | 1.0 | 0.40  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.15   | U   | 1.0 | 0.070 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.15   | U   | 1.0 | 0.070 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5  
Matrix: Air Lab File ID: 7223\_011.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:40  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.40   | U | 1.0 | 0.40  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.40   | U | 1.0 | 0.40  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.15   | U | 1.0 | 0.070 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.40   | U | 2.5 | 0.14  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.40   | U | 1.0 | 0.11  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.5 | 1.0   |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5

Matrix: Air Lab File ID: 7223\_011.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:40

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q     | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-------|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.5    | J D   | 12  | 0.74 |
| 75-45-6   | Freon 22                      | 86.47            | 1.5    | J D M | 8.8 | 0.85 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 2.8    | U     | 7.0 | 1.2  |
| 74-87-3   | Chloromethane                 | 50.49            | 5.2    | U     | 5.2 | 1.4  |
| 106-97-8  | n-Butane                      | 58.12            | 20     | D     | 5.9 | 3.4  |
| 75-01-4   | Vinyl chloride                | 62.50            | 1.0    | U     | 2.6 | 0.49 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.88   | U     | 2.2 | 0.46 |
| 74-83-9   | Bromomethane                  | 94.94            | 1.6    | U     | 3.9 | 0.54 |
| 75-00-3   | Chloroethane                  | 64.52            | 1.1    | U     | 6.6 | 0.40 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 1.7    | U     | 4.4 | 0.66 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 3.7    | J D   | 5.6 | 0.84 |
| 76-13-1   | Freon TF                      | 187.38           | 1.1    | U     | 7.7 | 0.69 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 1.6    | U     | 4.0 | 0.48 |
| 67-64-1   | Acetone                       | 58.08            | 300    | D     | 59  | 15   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 180    | D     | 61  | 2.6  |
| 75-15-0   | Carbon disulfide              | 76.14            | 3.1    | U     | 7.8 | 1.0  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 1.3    | U     | 7.8 | 0.53 |
| 75-09-2   | Methylene Chloride            | 84.93            | 3.5    | U     | 8.7 | 2.2  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 7.6    | U     | 76  | 5.0  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 1.4    | U     | 3.6 | 0.40 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 1.6    | U     | 4.0 | 0.57 |
| 110-54-3  | n-Hexane                      | 86.17            | 2.8    | J D   | 3.5 | 0.60 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 1.6    | U     | 4.0 | 0.77 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 18     | D     | 7.4 | 3.6  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 1.6    | U     | 4.0 | 0.75 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 1.6    | U     | 4.0 | 1.3  |
| 67-66-3   | Chloroform                    | 119.38           | 2.0    | U     | 4.9 | 0.61 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 1.2    | U     | 74  | 0.68 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 2.2    | U     | 5.5 | 0.57 |
| 110-82-7  | Cyclohexane                   | 84.16            | 1.4    | U     | 3.4 | 0.43 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 2.5    | U     | 6.3 | 0.66 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 5.9    | D     | 4.7 | 0.63 |
| 71-43-2   | Benzene                       | 78.11            | 1.2    | J D   | 3.2 | 0.30 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.61   | U     | 4.0 | 0.34 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5

Matrix: Air Lab File ID: 7223\_011.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:40

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|-----|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 1.6    | U   | 4.1 | 0.94 |
| 79-01-6     | Trichloroethene                  | 131.39           | 2.1    | U   | 5.4 | 0.64 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 1.6    | U   | 10  | 0.61 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 1.8    | U   | 4.6 | 0.74 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 3.6    | U   | 90  | 3.6  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 1.0    | U   | 6.7 | 0.57 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 1.8    | U   | 4.5 | 0.64 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 2.6    | J D | 10  | 0.55 |
| 108-88-3    | Toluene                          | 92.14            | 36     | D   | 3.8 | 0.32 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 1.8    | U   | 4.5 | 0.50 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.82   | U   | 5.5 | 0.46 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 1.0    | U   | 6.8 | 0.54 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 4.1    | U   | 10  | 4.1  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 1.3    | U   | 8.5 | 0.85 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 3.1    | U   | 7.7 | 0.77 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.69   | U   | 4.6 | 0.19 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 2.0    | J D | 4.3 | 0.28 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 7.2    | J D | 11  | 0.50 |
| 95-47-6     | Xylene, o-                       | 106.17           | 2.5    | J D | 4.3 | 0.35 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 9.9    |     | 4.3 | 0.74 |
| 100-42-5    | Styrene                          | 104.15           | 0.64   | U   | 4.3 | 0.38 |
| 75-25-2     | Bromoform                        | 252.75           | 1.6    | U   | 10  | 0.52 |
| 98-82-8     | Cumene                           | 120.19           | 0.74   | U   | 4.9 | 0.39 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 1.0    | U   | 6.9 | 0.55 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 2.0    | U   | 4.9 | 2.0  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.80   | J D | 4.9 | 0.44 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 1.3    | J D | 4.9 | 0.29 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.78   | U   | 5.2 | 0.34 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.82   | U   | 5.5 | 0.47 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 3.5    | J D | 4.9 | 0.34 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 2.2    | U   | 5.5 | 2.2  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 2.2    | U   | 5.5 | 2.2  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.90   | U   | 6.0 | 0.42 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.90   | U   | 6.0 | 0.42 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101IA0305CA Lab Sample ID: 280-54595-5  
Matrix: Air Lab File ID: 7223\_011.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:40  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:05  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 2.1    | U | 5.2 | 2.1  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 2.2    | U | 5.5 | 2.2  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.90   | U | 6.0 | 0.42 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 3.0    | U | 19  | 1.0  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 4.3    | U | 11  | 1.2  |
| 91-20-3  | Naphthalene            | 128.17           | 5.2    | U | 13  | 5.2  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d  
 Lims ID: 280-54595-A-5 Lab Sample ID: 200-54595-5  
 Client ID: 101IA0305CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 20:05:30 ALS Bottle#: 8 Worklist Smp#: 12  
 Purge Vol: 200.000 mL Dil. Factor: 5.0000  
 Sample Info: 200-0007223-012  
 Misc. Info.: 280-54595-A-5  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:31:51 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:32:23

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.469     | 4.474         | -0.005        | 79 | 9869     | 0.1409            |       |
| 6 Chlorodifluoromethane        | 51  | 4.538     | 4.544         | -0.006        | 38 | 2259     | 0.0852            | M     |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  | 5.282     | 5.287         | -0.005        | 92 | 33066    | 1.69              |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.181     | 7.186         | -0.005        | 67 | 10318    | 0.1314            |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |           | 8.428         |               |    |          |                   |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.749     | 8.743         | 0.006         | 85 | 560528   | 25.2              |       |
| 26 Carbon disulfide            | 76  |           | 9.000         |               |    |          |                   |       |
| 27 Isopropyl alcohol           | 45  | 9.027     | 9.043         | -0.016        | 97 | 271829   | 14.6              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  |           | 9.909         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether     | 73  |           | 10.155        |               |    |          |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.658    | 10.642        | 0.016         | 69 | 3358     | 0.1567            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.386    | 12.392        | -0.006        | 98 | 11272    | 1.20              |       |
| 44 Tetrahydrofuran             | 42  |           | 12.846        |               |    |          |                   |       |
| * 43 Chlorobromomethane        | 128 | 12.852    | 12.852        | 0.000         | 70 | 153126   | 10.0              |       |
| 45 Chloroform                  | 83  |           | 12.959        |               |    |          |                   |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 48 Carbon tetrachloride        | 117 |              | 13.520           |                  |    |          |                      |       |
| 51 Isooctane                   | 57  | 13.916       | 13.916           | 0.000            | 94 | 18023    | 0.2543               |       |
| 50 Benzene                     | 78  | 13.970       | 13.975           | -0.005           | 30 | 4962     | 0.0781               |       |
| 52 1,2-Dichloroethane          | 62  |              | 14.136           |                  |    |          |                      |       |
| 53 n-Heptane                   | 43  |              | 14.269           |                  |    |          |                      |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735       | 14.735           | 0.000            | 94 | 728817   | 10.0                 |       |
| 56 Trichloroethene             | 95  |              | 15.200           |                  |    |          |                      |       |
| 58 1,2-Dichloropropane         | 63  |              | 15.725           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  |              | 15.805           |                  |    |          |                      |       |
| 60 1,4-Dioxane                 | 88  |              | 15.896           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 16.217           |                  |    |          |                      |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 17.073           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.313       | 17.313           | 0.000            | 67 | 3971     | 0.1281               |       |
| 66 Toluene                     | 92  | 17.651       | 17.650           | 0.001            | 93 | 90663    | 1.94                 |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 18.180           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 18.555           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 |              | 18.688           |                  |    |          |                      |       |
| 73 2-Hexanone                  | 43  |              | 18.934           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 19.309           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 19.592           |                  |    |          |                      |       |
| S 82 Xylenes, Total            | 106 |              |                  |                  | 0  |          | 0.4469               |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432       | 20.432           | 0.000            | 84 | 645974   | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 20.491           |                  |    |          |                      |       |
| 78 Ethylbenzene                | 91  | 20.609       | 20.603           | 0.006            | 75 | 10157    | 0.0928               |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.818       | 20.823           | -0.005           | 98 | 14688    | 0.3327               |       |
| 83 o-Xylene                    | 106 | 21.534       | 21.534           | 0.000            | 80 | 4759     | 0.1142               |       |
| 84 Styrene                     | 104 |              | 21.572           |                  |    |          |                      |       |
| 85 Bromoform                   | 173 |              | 21.952           |                  |    |          |                      |       |
| 86 Isopropylbenzene            | 105 |              | 22.101           |                  |    |          |                      |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433       | 22.438           | -0.005           | 92 | 445622   | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |              | 22.663           |                  |    |          |                      |       |
| 90 N-Propylbenzene             | 91  |              | 22.733           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 | 22.904       | 22.904           | 0.000            | 60 | 4626     | 0.0324               |       |
| 92 2-Chlorotoluene             | 91  |              | 22.936           |                  |    |          |                      |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.984       | 22.995           | -0.011           | 74 | 6739     | 0.0511               |       |
| 96 tert-Butylbenzene           | 119 |              | 23.471           |                  |    |          |                      |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.557       | 23.562           | -0.005           | 84 | 17921    | 0.1423               |       |
| 98 sec-Butylbenzene            | 105 |              | 23.803           |                  |    |          |                      |       |
| 99 4-Isopropyltoluene          | 119 |              | 24.001           |                  |    |          |                      |       |
| 100 1,3-Dichlorobenzene        | 146 |              | 24.070           |                  |    |          |                      |       |
| 101 1,4-Dichlorobenzene        | 146 |              | 24.215           |                  |    |          |                      |       |
| 102 Benzyl chloride            | 91  |              | 24.429           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 24.637           |                  |    |          |                      |       |
| 105 1,2-Dichlorobenzene        | 146 |              | 24.824           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 27.708           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 27.911           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 28.296           |                  |    |          |                      |       |

QC Flag Legend

Review Flags

M - Manually Integrated

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Worklist Smp#: 12

Client ID: 101IA0305CA

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

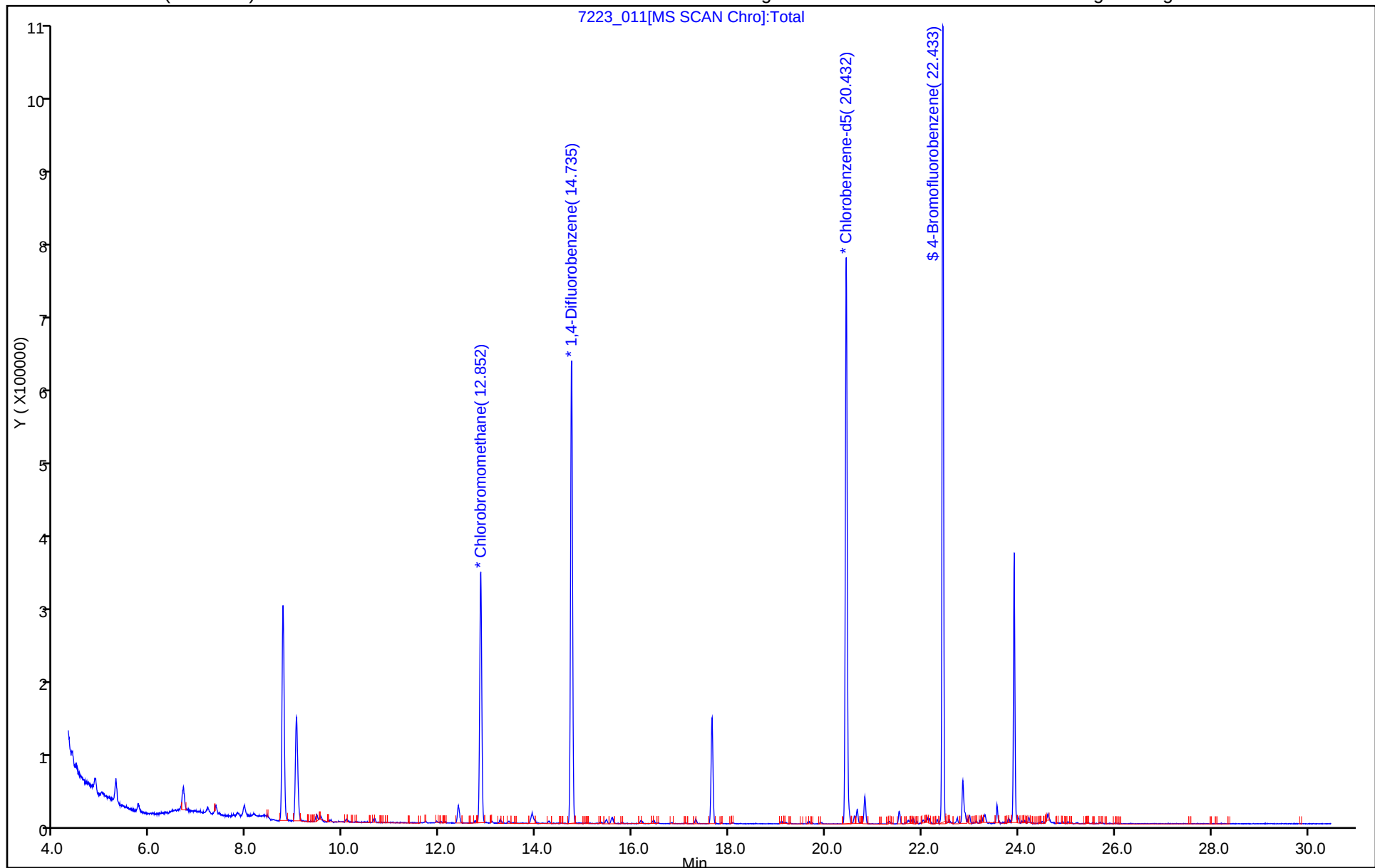
ALS Bottle#: 8

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

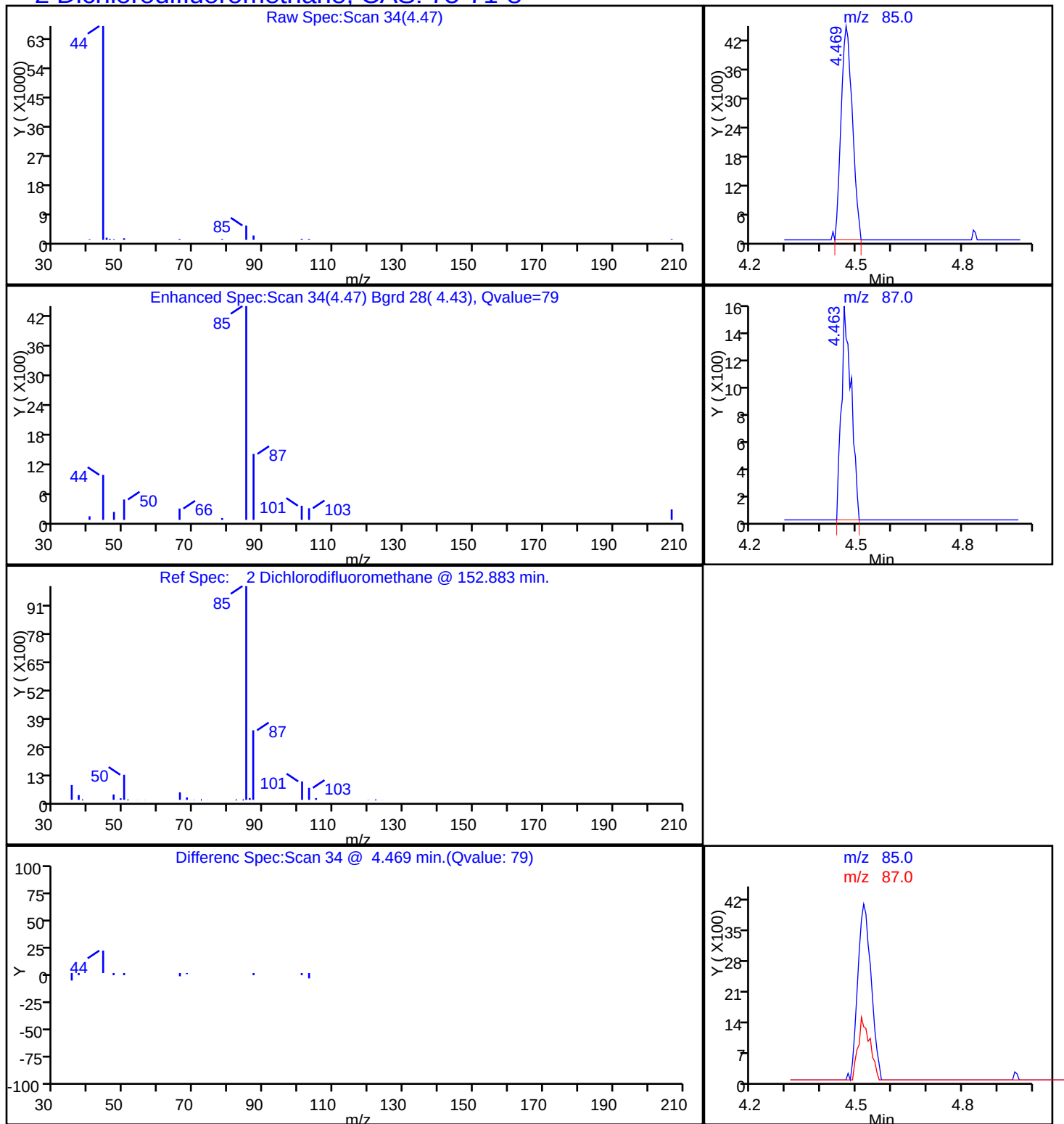
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

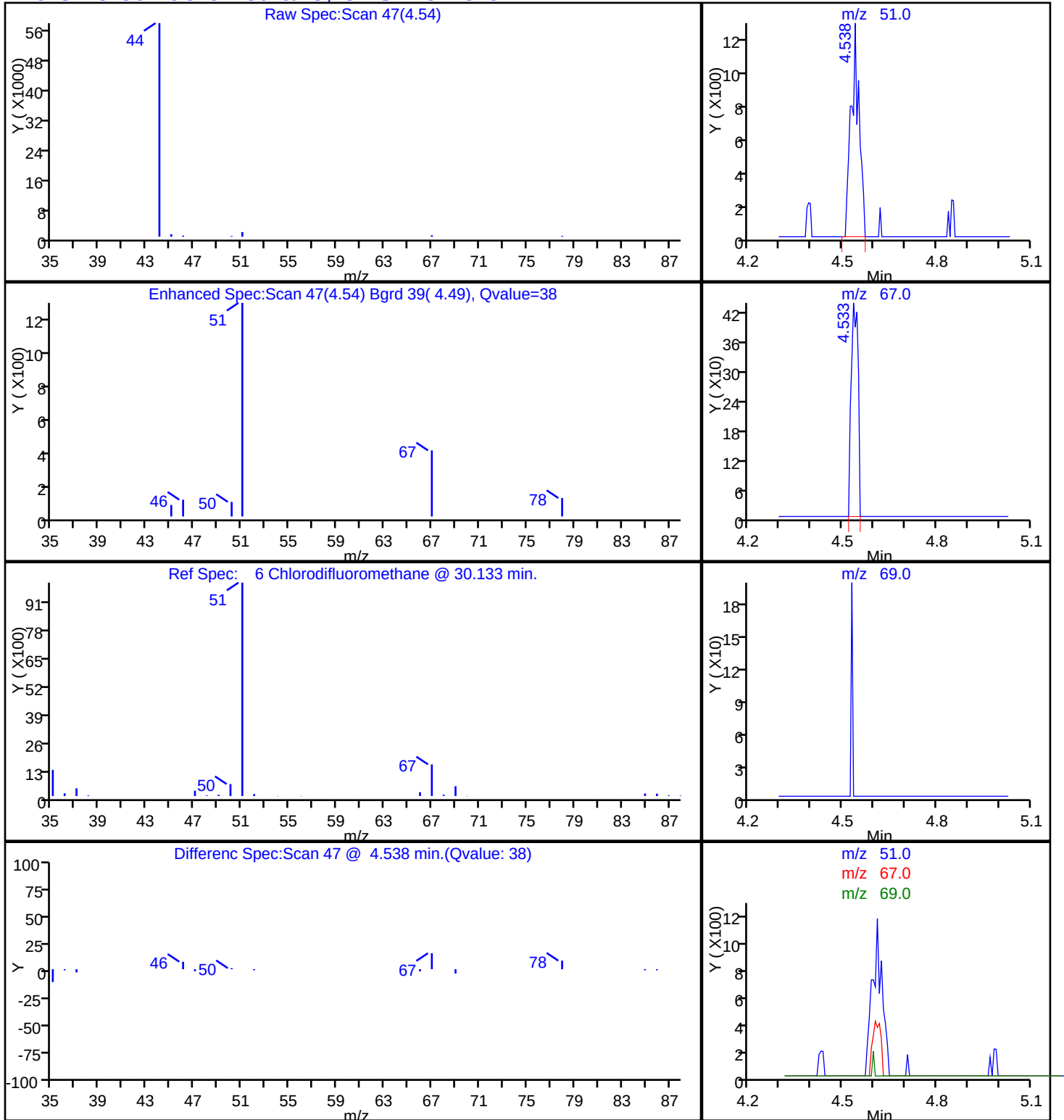
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**6 Chlorodifluoromethane, CAS: 75-45-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

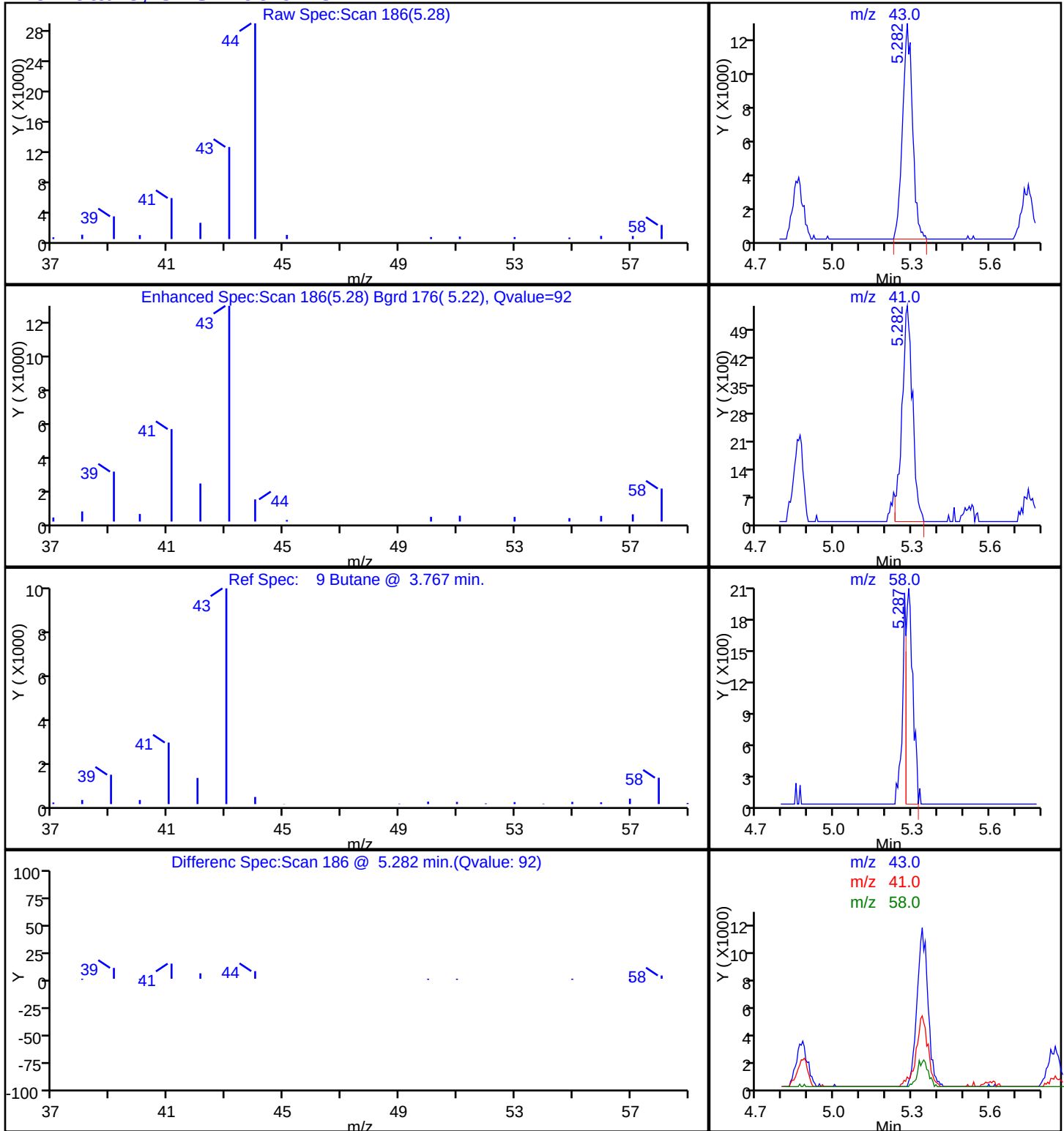
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

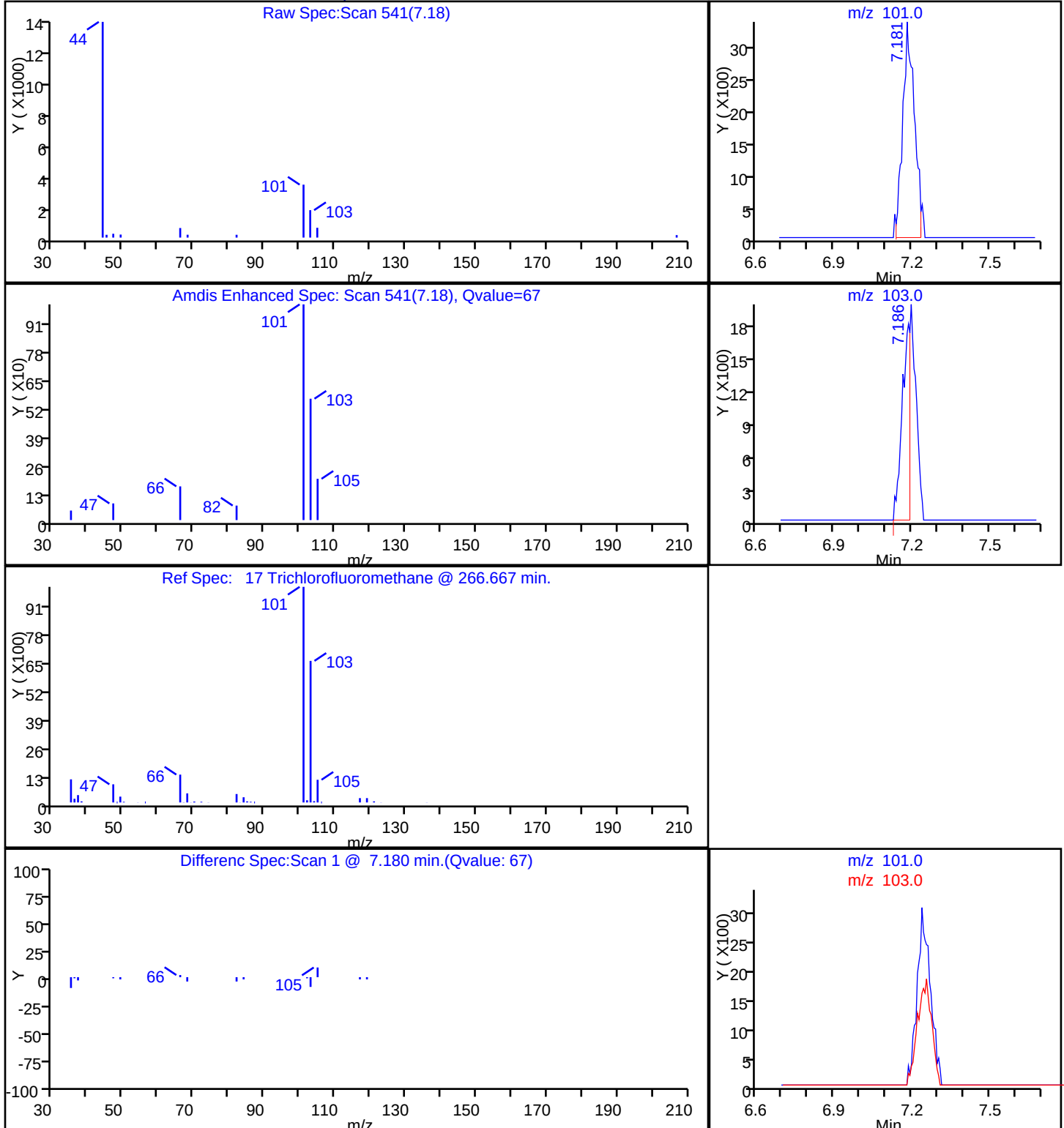
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

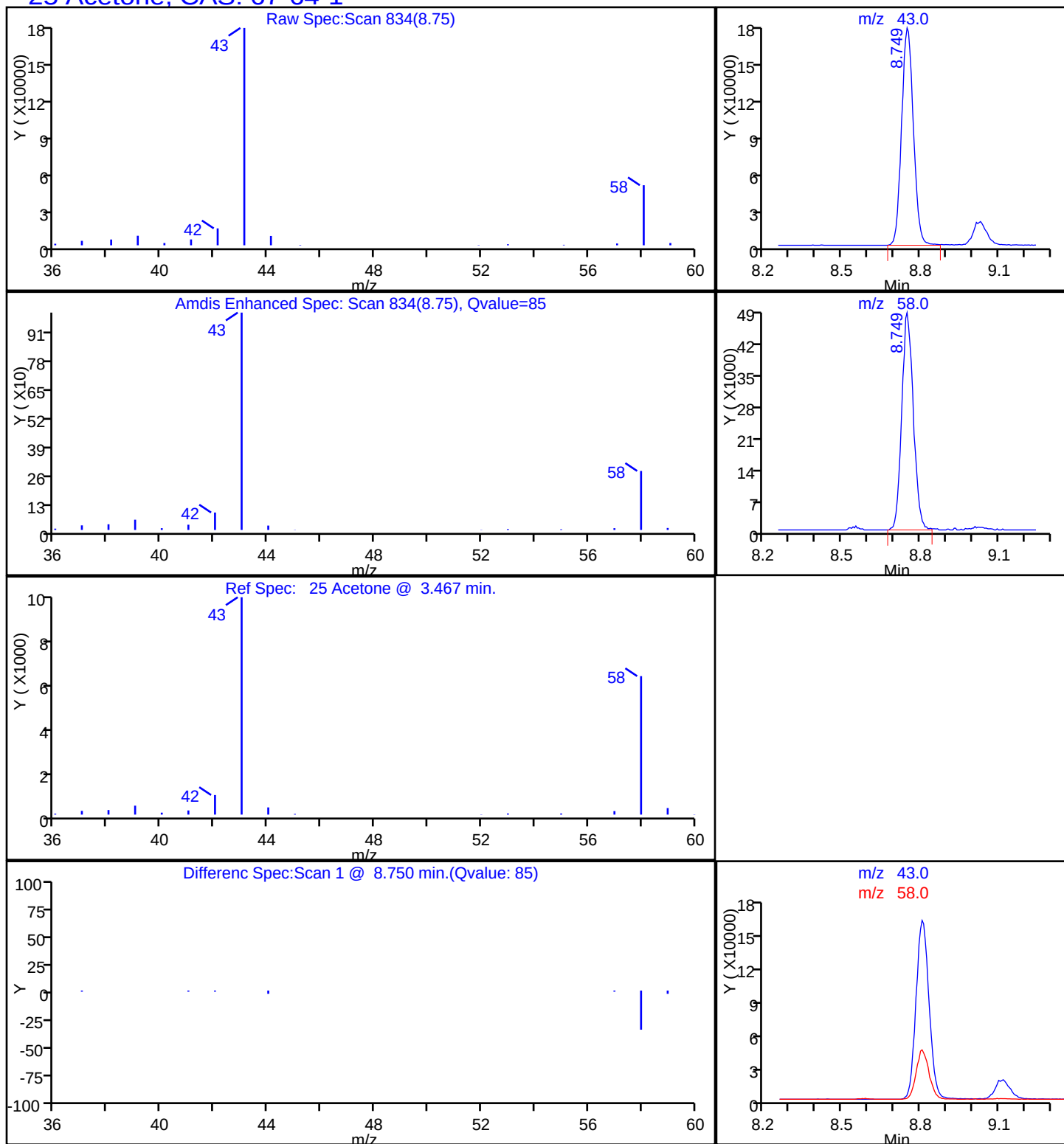
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

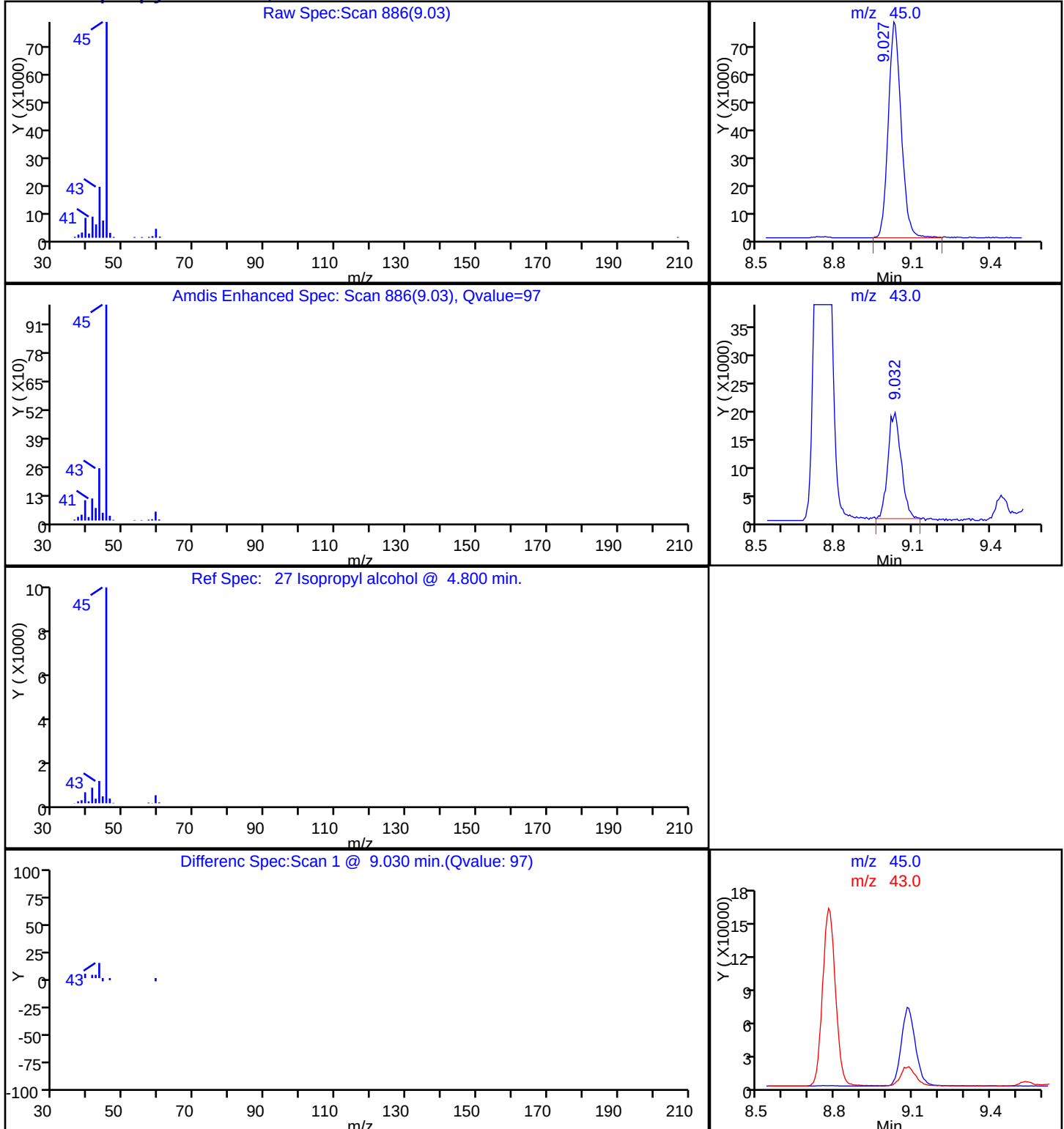
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

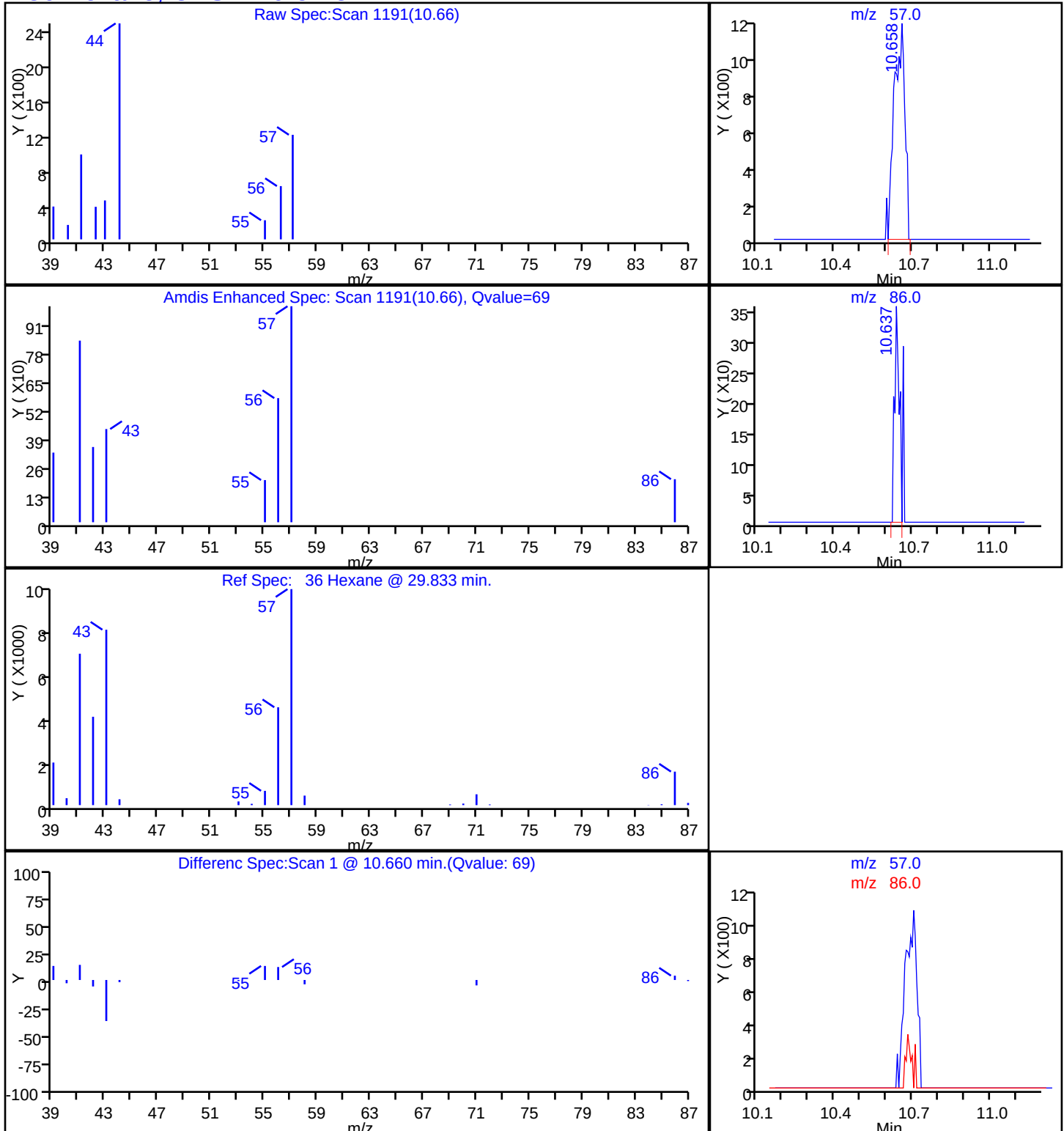
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

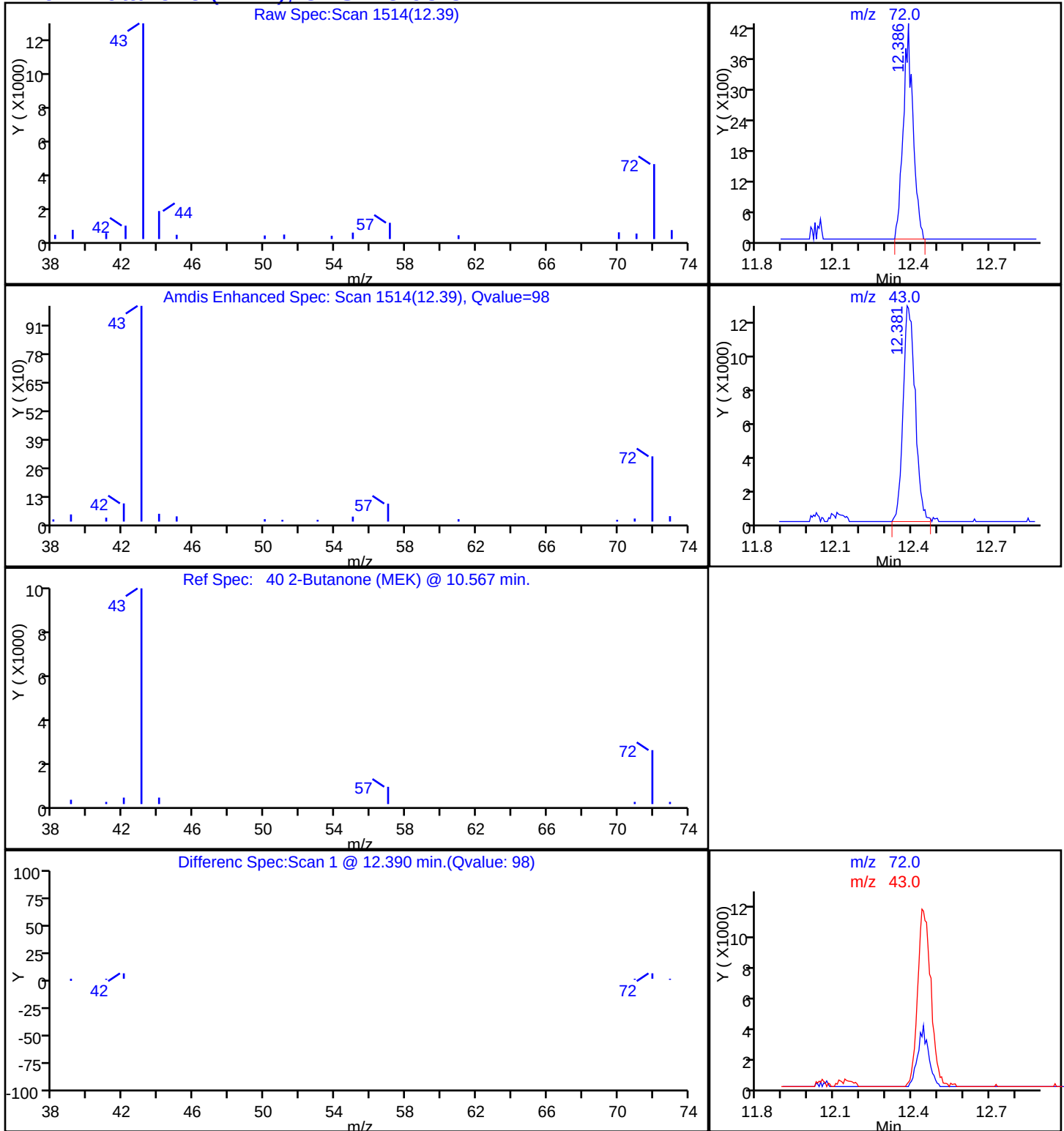
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

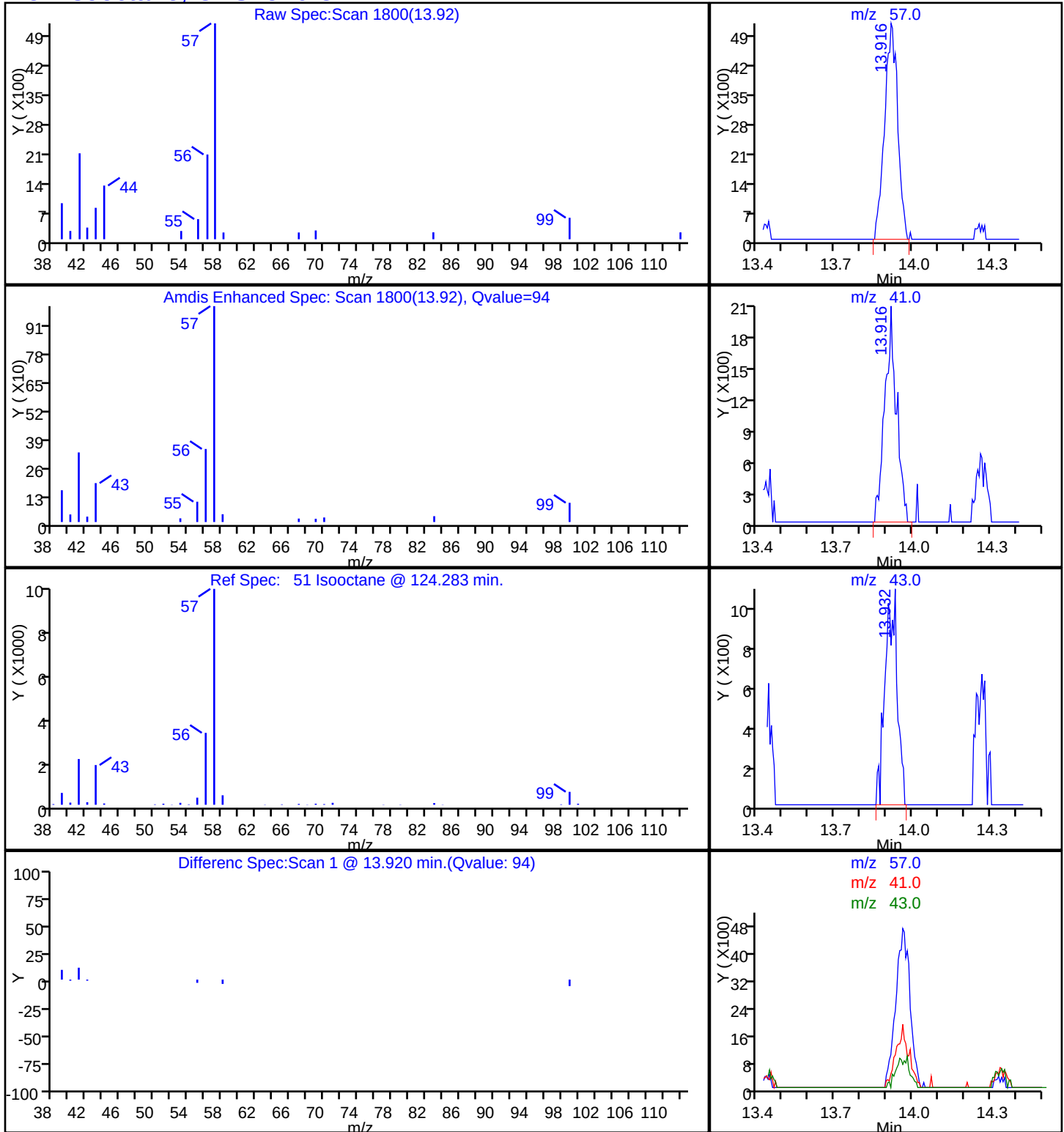
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

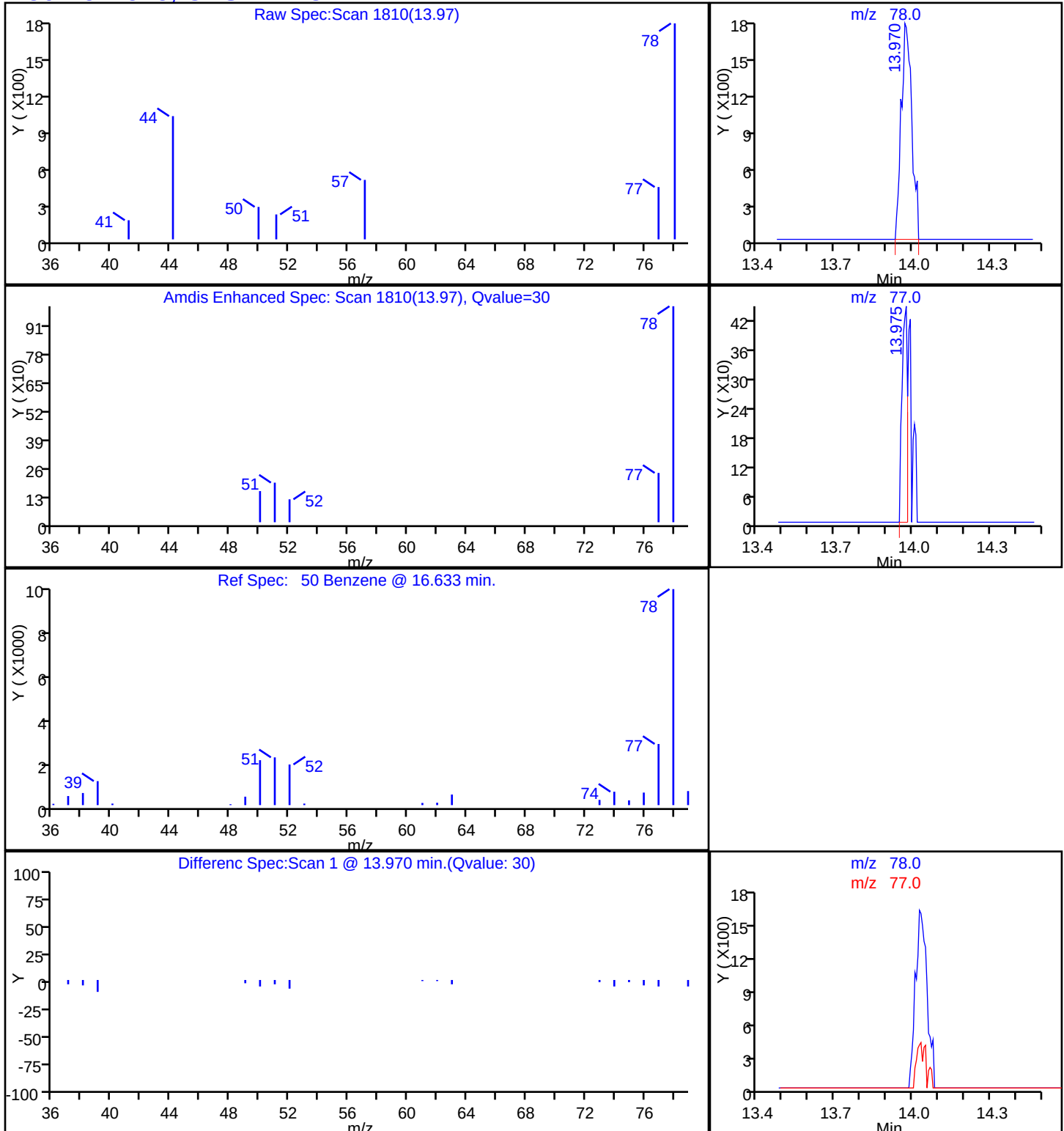
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**50 Benzene, CAS: 71-43-2**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

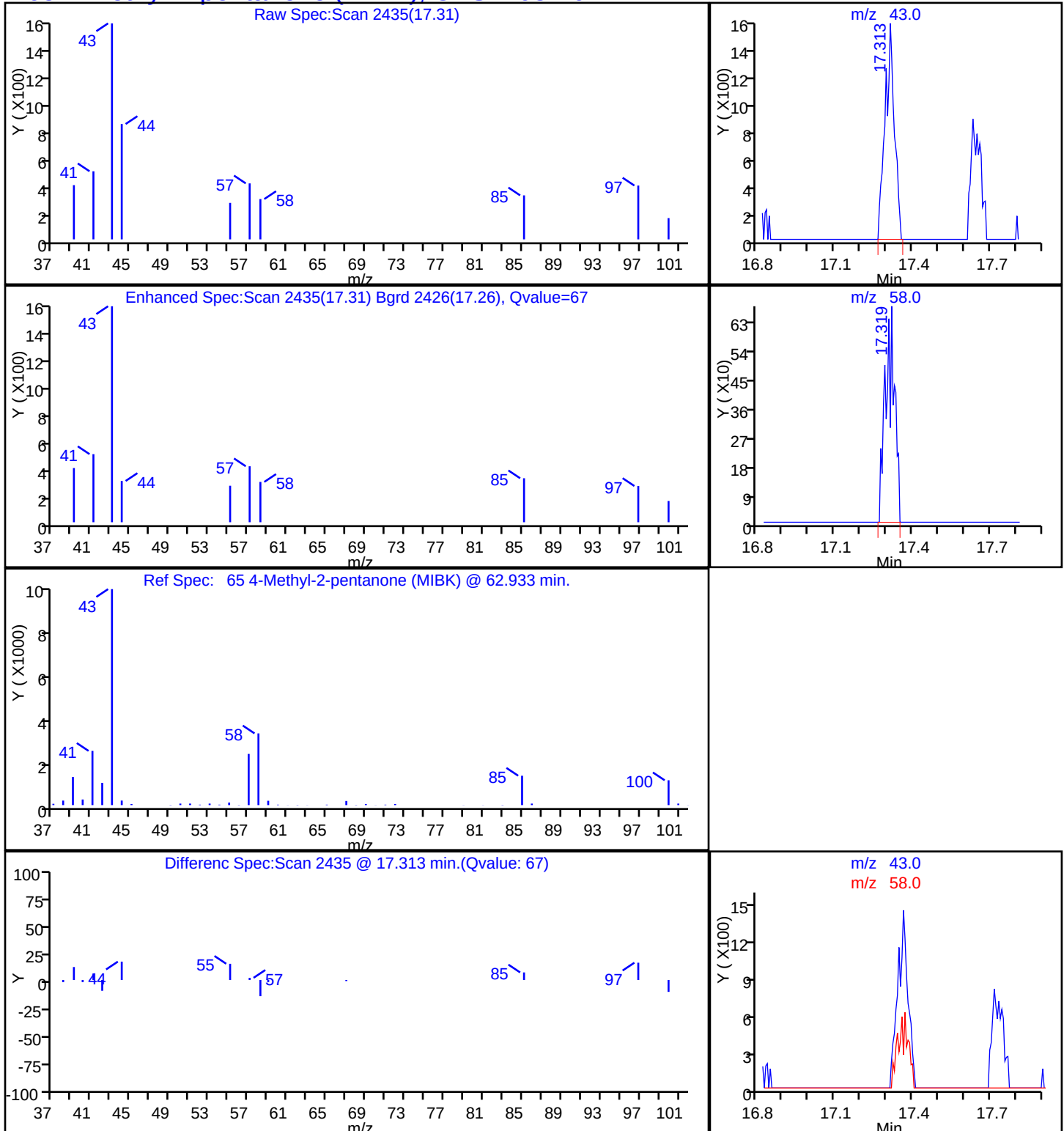
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

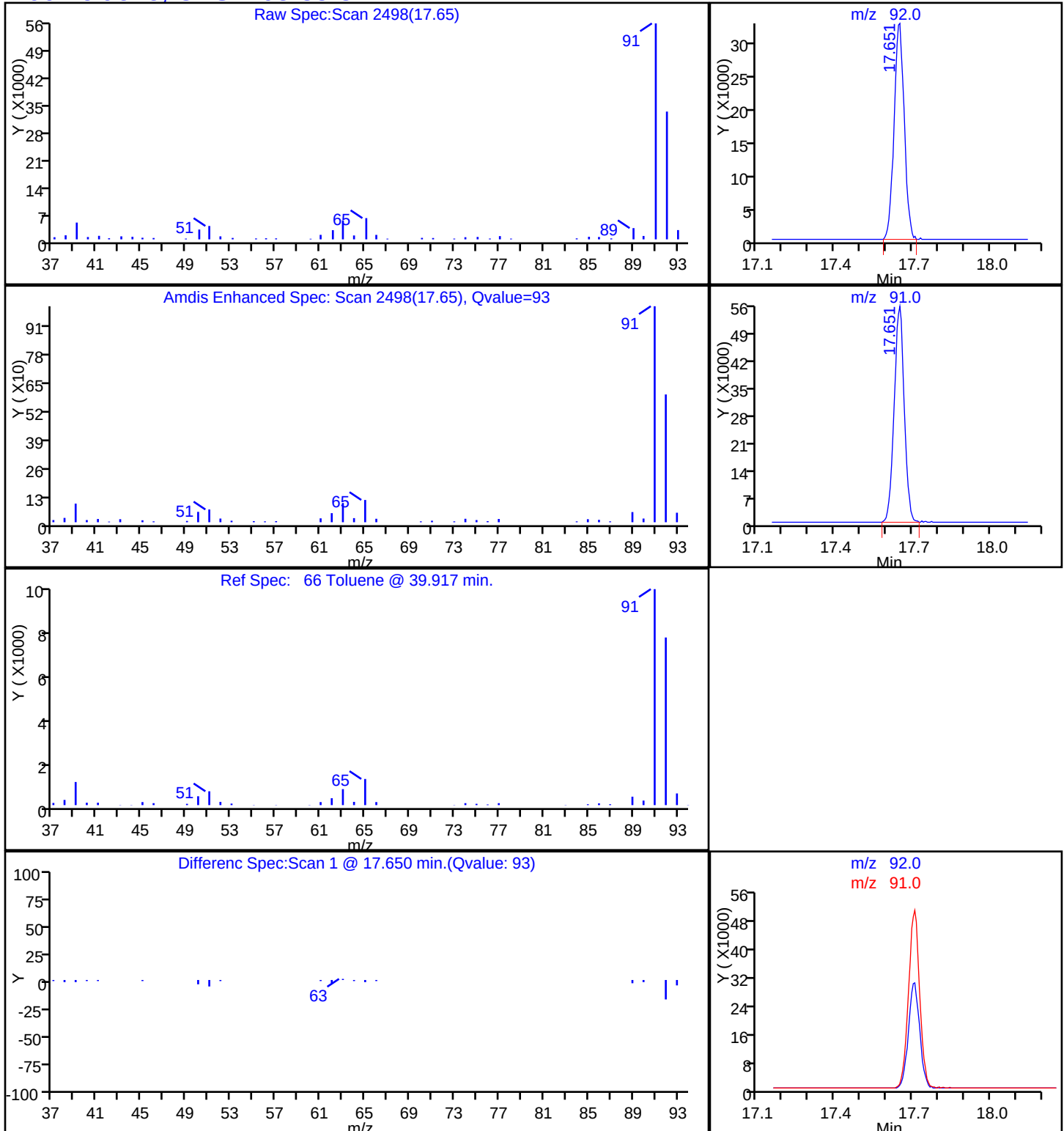
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

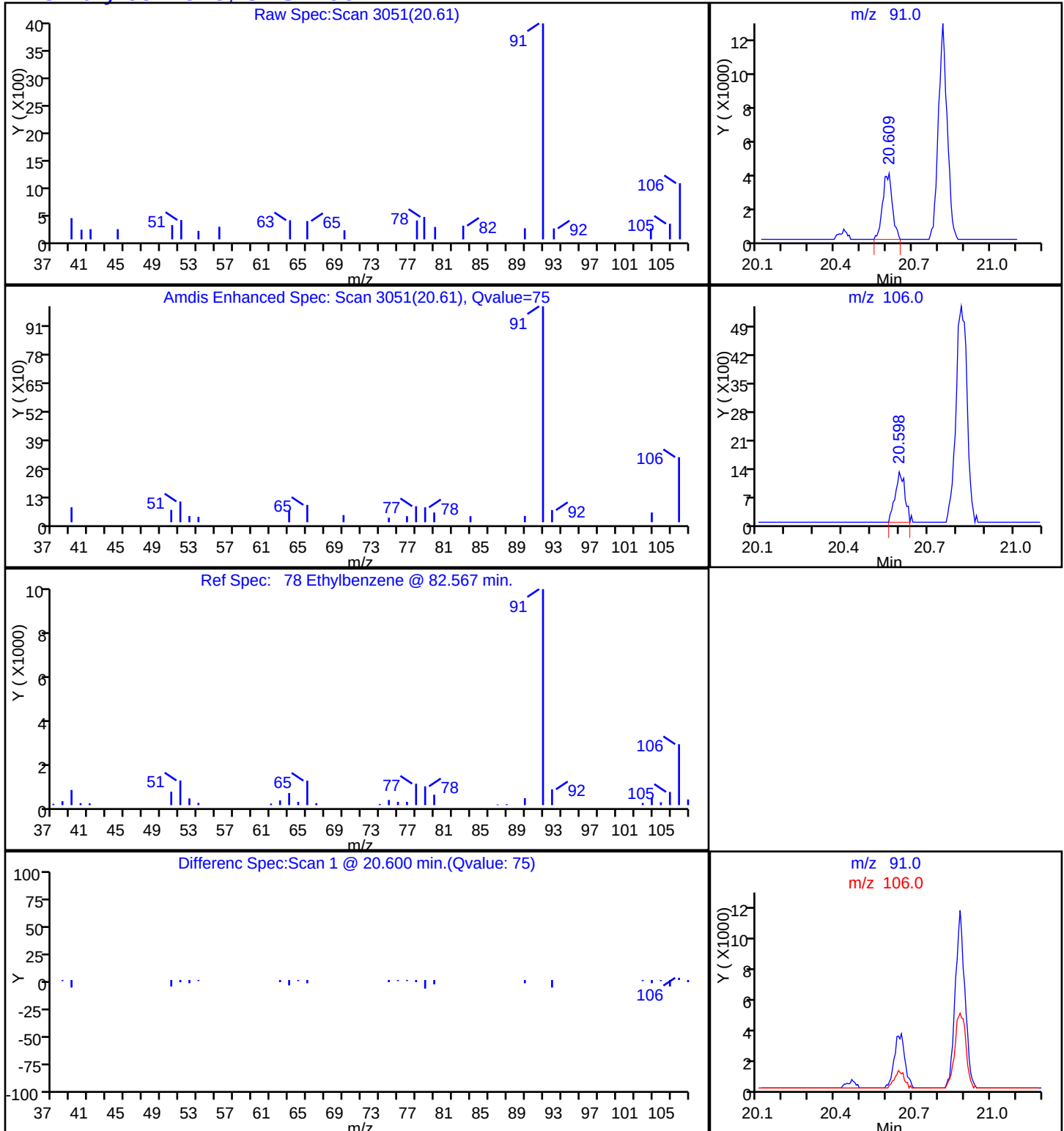
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**78 Ethylbenzene, CAS: 100-41-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

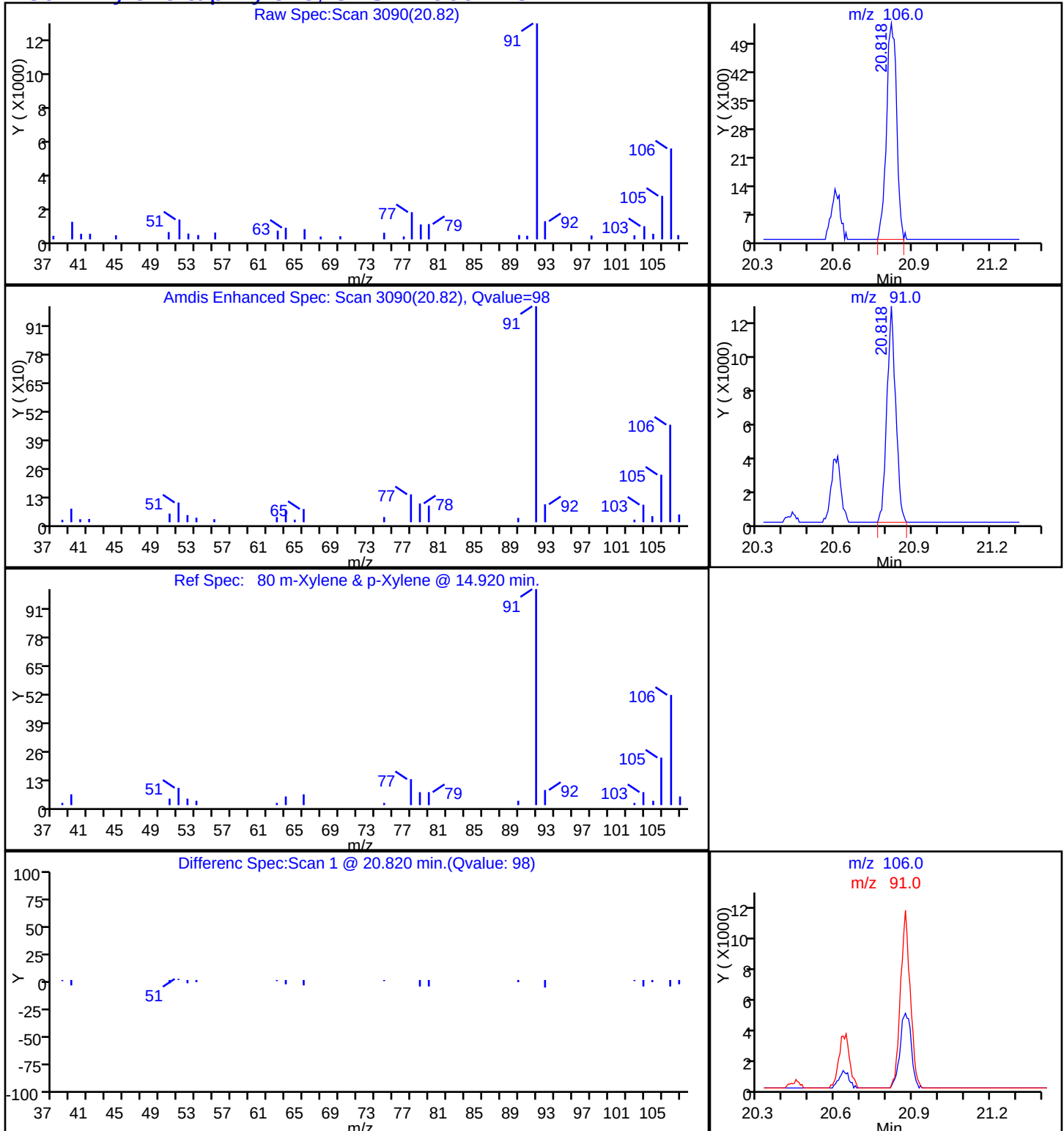
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

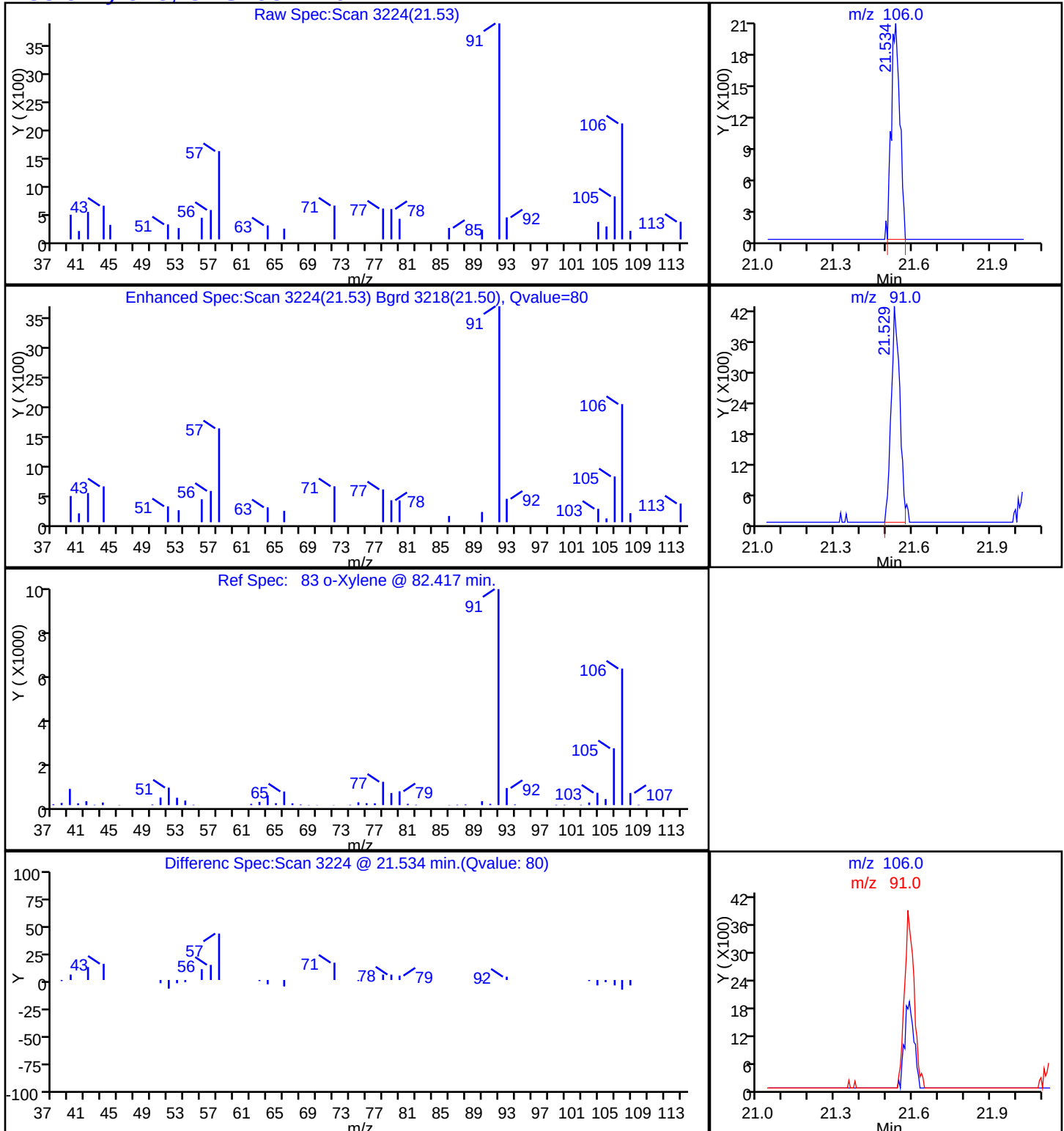
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

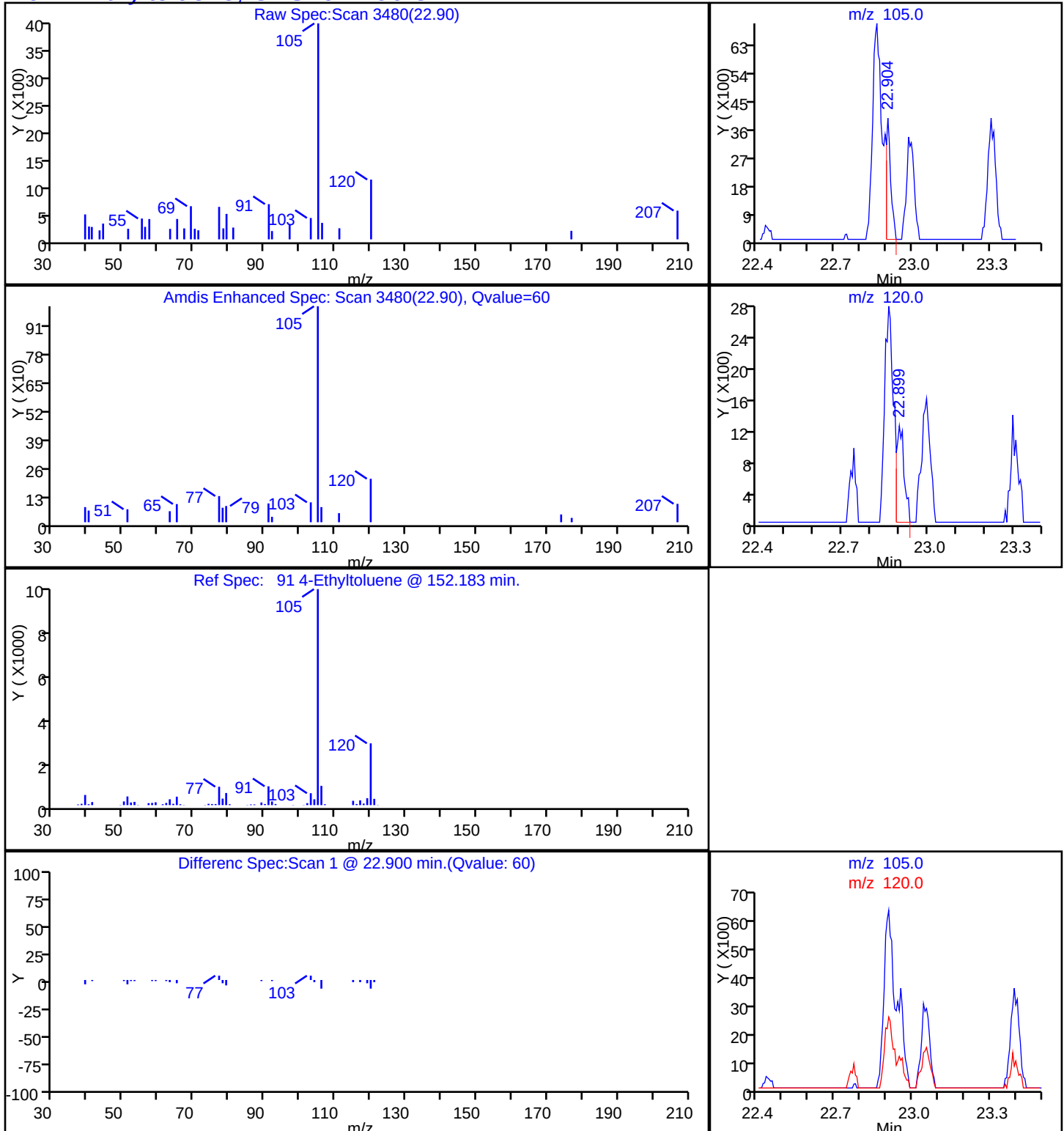
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

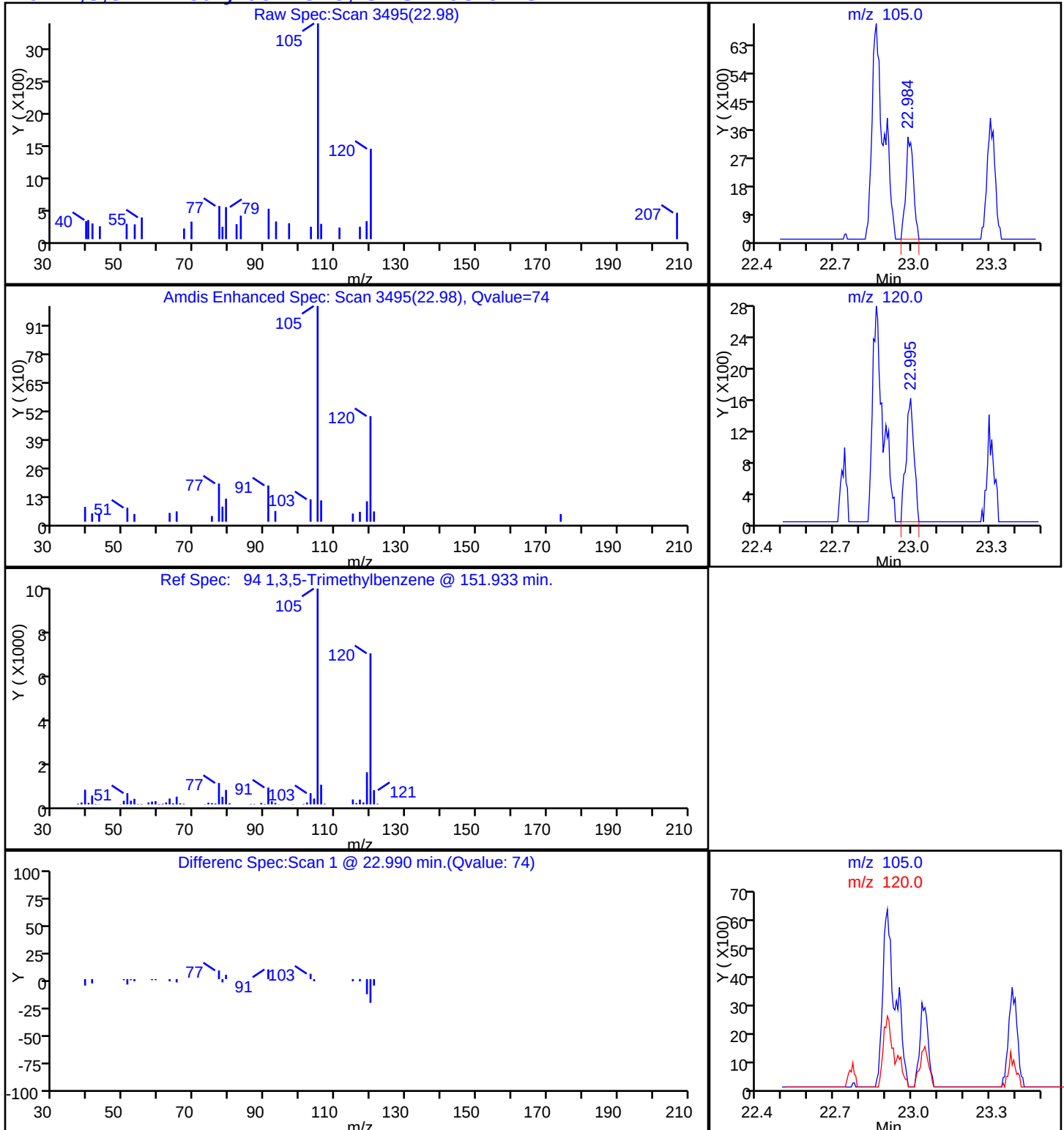
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 94 1,3,5-Trimethylbenzene, CAS: 108-67-8



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_011.d

Injection Date: 25-Apr-2014 20:05:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-5

Lab Sample ID: 200-54595-5

Client ID: 101IA0305CA

Operator ID: pad

ALS Bottle#: 8

Worklist Smp#: 12

Purge Vol: 200.000 mL

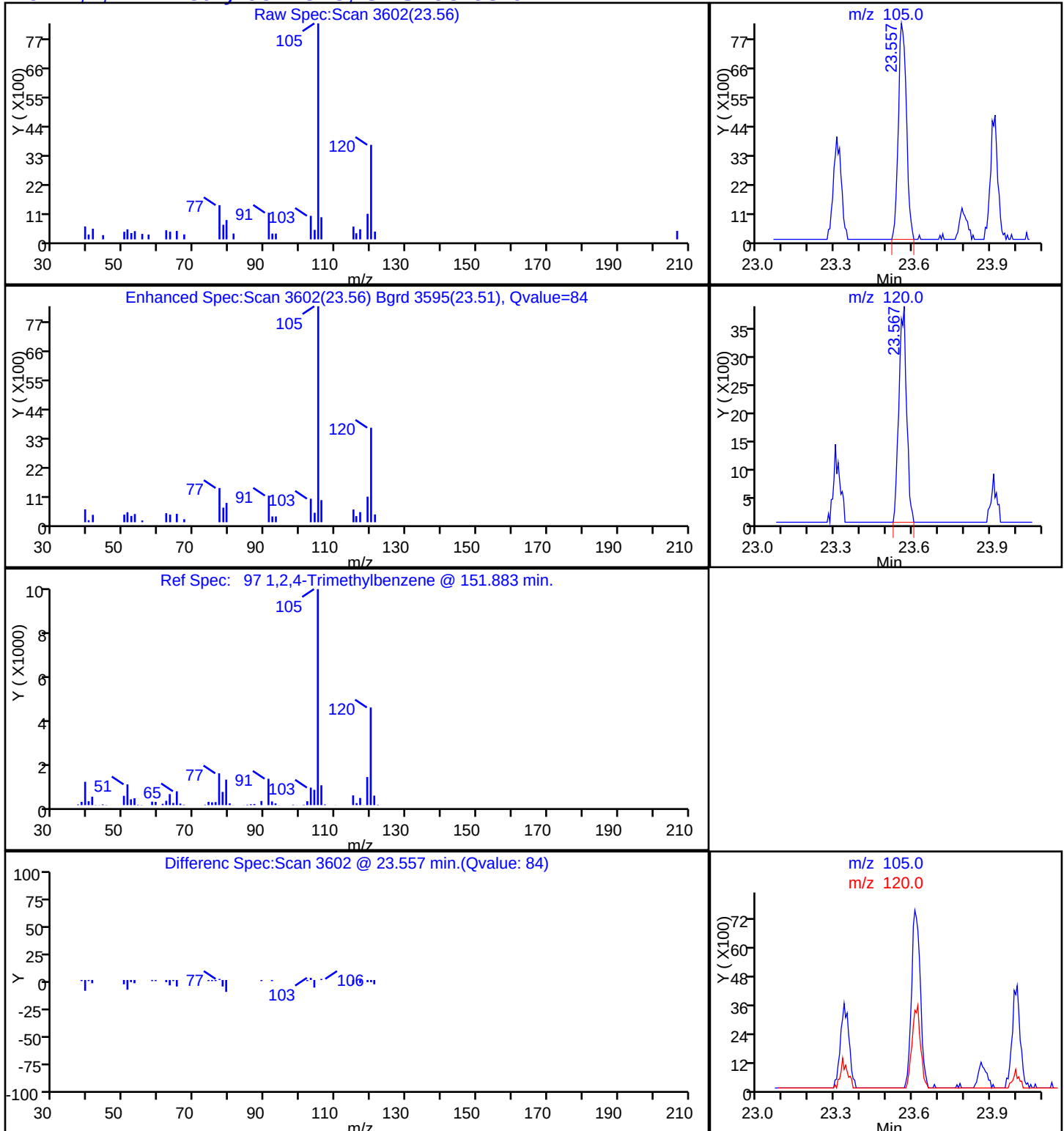
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**

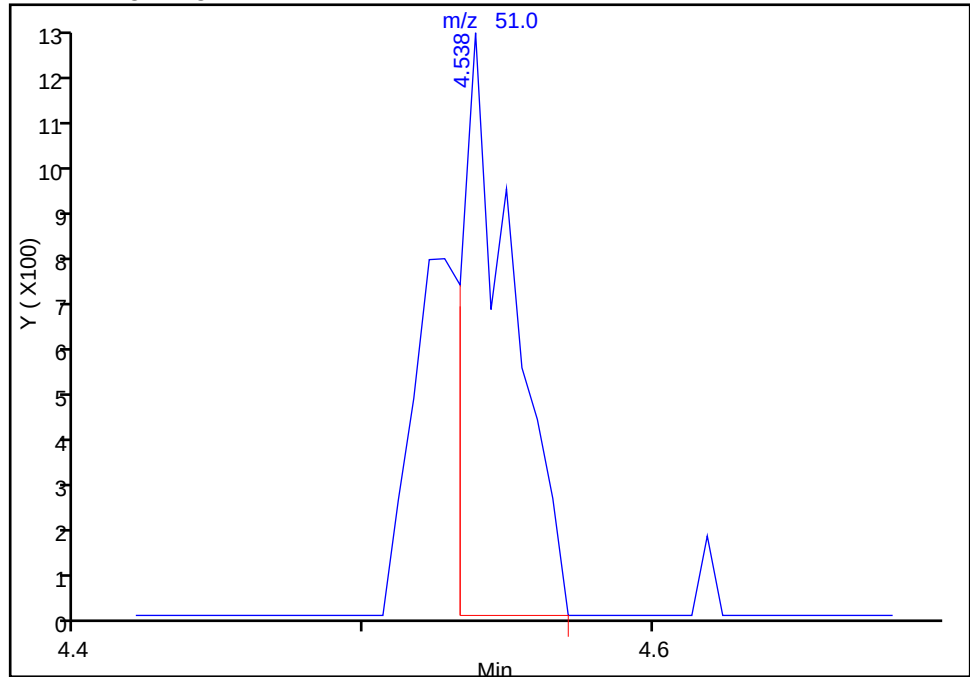
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_011.d |                |              |
| Injection Date: | 25-Apr-2014 20:05:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-5                                          | Lab Sample ID: | 200-54595-5  |
| Client ID:      | 101IA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 8            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 5.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 12           |

**6 Chlorodifluoromethane, CAS: 75-45-6**

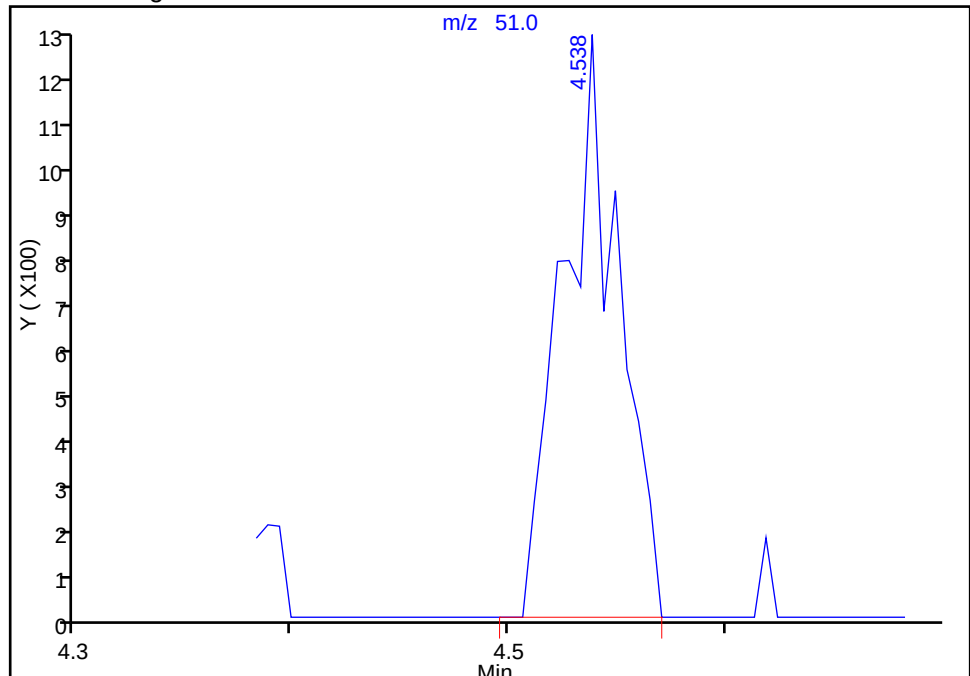
RT: 4.54  
Response: 1532  
Amount: 0.057747

## Processing Integration Results



RT: 4.54  
Response: 2259  
Amount: 0.085151

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:32:23  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6

Matrix: Air Lab File ID: 7223\_012.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:35

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL    |
|-----------|-------------------------------|------------------|--------|-----|-----|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.80   | J D | 2.5 | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.56   | J D | 2.5 | 0.24  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.40   | U   | 1.0 | 0.18  |
| 74-87-3   | Chloromethane                 | 50.49            | 2.5    | U   | 2.5 | 0.68  |
| 106-97-8  | n-Butane                      | 58.12            | 9.3    | D   | 2.5 | 1.4   |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.40   | U   | 1.0 | 0.19  |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.40   | U   | 1.0 | 0.21  |
| 74-83-9   | Bromomethane                  | 94.94            | 0.40   | U   | 1.0 | 0.14  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.40   | U   | 2.5 | 0.15  |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.40   | U   | 1.0 | 0.15  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.77   | J D | 1.0 | 0.15  |
| 76-13-1   | Freon TF                      | 187.38           | 0.15   | U   | 1.0 | 0.090 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.40   | U   | 1.0 | 0.12  |
| 67-64-1   | Acetone                       | 58.08            | 140    | D   | 25  | 6.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 76     | D   | 25  | 1.1   |
| 75-15-0   | Carbon disulfide              | 76.14            | 1.0    | U   | 2.5 | 0.33  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.40   | U   | 2.5 | 0.17  |
| 75-09-2   | Methylene Chloride            | 84.93            | 1.0    | U   | 2.5 | 0.63  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 2.5    | U   | 25  | 1.6   |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.40   | U   | 1.0 | 0.11  |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.40   | U   | 1.0 | 0.15  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.84   | J D | 1.0 | 0.17  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.40   | U   | 1.0 | 0.19  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 6.9    | D   | 2.5 | 1.2   |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.40   | U   | 1.0 | 0.19  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.40   | U   | 1.0 | 0.32  |
| 67-66-3   | Chloroform                    | 119.38           | 0.40   | U   | 1.0 | 0.13  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.40   | U   | 25  | 0.23  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.40   | U   | 1.0 | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.40   | U   | 1.0 | 0.13  |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.40   | U   | 1.0 | 0.11  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 1.5    | D   | 1.0 | 0.14  |
| 71-43-2   | Benzene                       | 78.11            | 0.38   | J D | 1.0 | 0.095 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.15   | U   | 1.0 | 0.085 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6

Matrix: Air Lab File ID: 7223\_012.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:35

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL    |
|-------------|----------------------------------|------------------|--------|-----|-----|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.40   | U   | 1.0 | 0.23  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.40   | U   | 1.0 | 0.12  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.40   | U   | 2.5 | 0.15  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.40   | U   | 1.0 | 0.16  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 1.0    | U   | 25  | 1.0   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.15   | U   | 1.0 | 0.085 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.40   | U   | 1.0 | 0.14  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 1.2    | J D | 2.5 | 0.14  |
| 108-88-3    | Toluene                          | 92.14            | 11     | D   | 1.0 | 0.085 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.40   | U   | 1.0 | 0.11  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.15   | U   | 1.0 | 0.085 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.15   | U   | 1.0 | 0.080 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 1.0    | U   | 2.5 | 1.0   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.15   | U   | 1.0 | 0.10  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.40   | U   | 1.0 | 0.10  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.15   | U   | 1.0 | 0.041 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.55   | J D | 1.0 | 0.065 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 2.1    | J D | 2.5 | 0.12  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.71   | J D | 1.0 | 0.080 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 2.8    |     | 1.0 | 0.17  |
| 100-42-5    | Styrene                          | 104.15           | 0.15   | U   | 1.0 | 0.090 |
| 75-25-2     | Bromoform                        | 252.75           | 0.15   | U   | 1.0 | 0.050 |
| 98-82-8     | Cumene                           | 120.19           | 0.15   | U   | 1.0 | 0.080 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.15   | U   | 1.0 | 0.080 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.40   | U   | 1.0 | 0.40  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.28   | J D | 1.0 | 0.090 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.32   | J D | 1.0 | 0.060 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.15   | U   | 1.0 | 0.065 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.15   | U   | 1.0 | 0.085 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.80   | J D | 1.0 | 0.070 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.40   | U   | 1.0 | 0.40  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.40   | U   | 1.0 | 0.40  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.15   | U   | 1.0 | 0.070 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.15   | U   | 1.0 | 0.070 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6  
Matrix: Air Lab File ID: 7223\_012.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:35  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.40   | U | 1.0 | 0.40  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.40   | U | 1.0 | 0.40  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.15   | U | 1.0 | 0.070 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.40   | U | 2.5 | 0.14  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.40   | U | 1.0 | 0.11  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.5 | 1.0   |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6

Matrix: Air Lab File ID: 7223\_012.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:35

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-----------|-------------------------------|------------------|--------|-----|-----|------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.9    | J D | 12  | 0.74 |
| 75-45-6   | Freon 22                      | 86.47            | 2.0    | J D | 8.8 | 0.85 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 2.8    | U   | 7.0 | 1.2  |
| 74-87-3   | Chloromethane                 | 50.49            | 5.2    | U   | 5.2 | 1.4  |
| 106-97-8  | n-Butane                      | 58.12            | 22     | D   | 5.9 | 3.4  |
| 75-01-4   | Vinyl chloride                | 62.50            | 1.0    | U   | 2.6 | 0.49 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.88   | U   | 2.2 | 0.46 |
| 74-83-9   | Bromomethane                  | 94.94            | 1.6    | U   | 3.9 | 0.54 |
| 75-00-3   | Chloroethane                  | 64.52            | 1.1    | U   | 6.6 | 0.40 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 1.7    | U   | 4.4 | 0.66 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 4.3    | J D | 5.6 | 0.84 |
| 76-13-1   | Freon TF                      | 187.38           | 1.1    | U   | 7.7 | 0.69 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 1.6    | U   | 4.0 | 0.48 |
| 67-64-1   | Acetone                       | 58.08            | 320    | D   | 59  | 15   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 190    | D   | 61  | 2.6  |
| 75-15-0   | Carbon disulfide              | 76.14            | 3.1    | U   | 7.8 | 1.0  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 1.3    | U   | 7.8 | 0.53 |
| 75-09-2   | Methylene Chloride            | 84.93            | 3.5    | U   | 8.7 | 2.2  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 7.6    | U   | 76  | 5.0  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 1.4    | U   | 3.6 | 0.40 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 1.6    | U   | 4.0 | 0.57 |
| 110-54-3  | n-Hexane                      | 86.17            | 3.0    | J D | 3.5 | 0.60 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 1.6    | U   | 4.0 | 0.77 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 20     | D   | 7.4 | 3.6  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 1.6    | U   | 4.0 | 0.75 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 1.6    | U   | 4.0 | 1.3  |
| 67-66-3   | Chloroform                    | 119.38           | 2.0    | U   | 4.9 | 0.61 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 1.2    | U   | 74  | 0.68 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 2.2    | U   | 5.5 | 0.57 |
| 110-82-7  | Cyclohexane                   | 84.16            | 1.4    | U   | 3.4 | 0.43 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 2.5    | U   | 6.3 | 0.66 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 6.9    | D   | 4.7 | 0.63 |
| 71-43-2   | Benzene                       | 78.11            | 1.2    | J D | 3.2 | 0.30 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.61   | U   | 4.0 | 0.34 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6

Matrix: Air Lab File ID: 7223\_012.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:35

Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL   |
|-------------|----------------------------------|------------------|--------|-----|-----|------|
| 142-82-5    | n-Heptane                        | 100.21           | 1.6    | U   | 4.1 | 0.94 |
| 79-01-6     | Trichloroethene                  | 131.39           | 2.1    | U   | 5.4 | 0.64 |
| 80-62-6     | Methyl methacrylate              | 100.12           | 1.6    | U   | 10  | 0.61 |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 1.8    | U   | 4.6 | 0.74 |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 3.6    | U   | 90  | 3.6  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 1.0    | U   | 6.7 | 0.57 |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 1.8    | U   | 4.5 | 0.64 |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 4.8    | J D | 10  | 0.55 |
| 108-88-3    | Toluene                          | 92.14            | 42     | D   | 3.8 | 0.32 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 1.8    | U   | 4.5 | 0.50 |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.82   | U   | 5.5 | 0.46 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 1.0    | U   | 6.8 | 0.54 |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 4.1    | U   | 10  | 4.1  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 1.3    | U   | 8.5 | 0.85 |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 3.1    | U   | 7.7 | 0.77 |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.69   | U   | 4.6 | 0.19 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 2.4    | J D | 4.3 | 0.28 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 8.9    | J D | 11  | 0.50 |
| 95-47-6     | Xylene, o-                       | 106.17           | 3.1    | J D | 4.3 | 0.35 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 12     |     | 4.3 | 0.74 |
| 100-42-5    | Styrene                          | 104.15           | 0.64   | U   | 4.3 | 0.38 |
| 75-25-2     | Bromoform                        | 252.75           | 1.6    | U   | 10  | 0.52 |
| 98-82-8     | Cumene                           | 120.19           | 0.74   | U   | 4.9 | 0.39 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 1.0    | U   | 6.9 | 0.55 |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 2.0    | U   | 4.9 | 2.0  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 1.4    | J D | 4.9 | 0.44 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 1.6    | J D | 4.9 | 0.29 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.78   | U   | 5.2 | 0.34 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.82   | U   | 5.5 | 0.47 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 3.9    | J D | 4.9 | 0.34 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 2.2    | U   | 5.5 | 2.2  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 2.2    | U   | 5.5 | 2.2  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.90   | U   | 6.0 | 0.42 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.90   | U   | 6.0 | 0.42 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101IA0405CA Lab Sample ID: 280-54595-6  
Matrix: Air Lab File ID: 7223\_012.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:35  
Sample wt/vol: 40 (mL) Date Analyzed: 04/25/2014 20:54  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 5  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL   |
|----------|------------------------|------------------|--------|---|-----|------|
| 100-44-7 | Benzyl chloride        | 126.58           | 2.1    | U | 5.2 | 2.1  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 2.2    | U | 5.5 | 2.2  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.90   | U | 6.0 | 0.42 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 3.0    | U | 19  | 1.0  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 4.3    | U | 11  | 1.2  |
| 91-20-3  | Naphthalene            | 128.17           | 5.2    | U | 13  | 5.2  |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d  
 Lims ID: 280-54595-A-6 Lab Sample ID: 200-54595-6  
 Client ID: 101IA0405CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 20:54:30 ALS Bottle#: 9 Worklist Smp#: 13  
 Purge Vol: 200.000 mL Dil. Factor: 5.0000  
 Sample Info: 200-0007223-013  
 Misc. Info.: 280-54595-A-6  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:31:51 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 12:24:48

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.453     | 4.474         | -0.021        | 84 | 9327     | 0.1597            |       |
| 6 Chlorodifluoromethane        | 51  | 4.528     | 4.544         | -0.016        | 40 | 2478     | 0.1120            |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  | 5.266     | 5.287         | -0.021        | 93 | 30362    | 1.86              |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.170     | 7.186         | -0.016        | 49 | 10020    | 0.1531            |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |           | 8.428         |               |    |          |                   |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.743     | 8.743         | 0.000         | 85 | 500610   | 27.0              |       |
| 26 Carbon disulfide            | 76  |           | 9.000         |               |    |          |                   |       |
| 27 Isopropyl alcohol           | 45  | 9.021     | 9.043         | -0.022        | 96 | 235488   | 15.2              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  |           | 9.909         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether     | 73  |           | 10.155        |               |    |          |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.637    | 10.642        | -0.005        | 73 | 2999     | 0.1678            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.392    | 12.392        | 0.000         | 96 | 10850    | 1.38              |       |
| 44 Tetrahydrofuran             | 42  |           | 12.846        |               |    |          |                   |       |
| * 43 Chlorobromomethane        | 128 | 12.852    | 12.852        | 0.000         | 71 | 127674   | 10.0              |       |
| 45 Chloroform                  | 83  |           | 12.959        |               |    |          |                   |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 48 Carbon tetrachloride        | 117 |              | 13.520           |                  |    |          |                      |       |
| 51 Isooctane                   | 57  | 13.911       | 13.916           | -0.005           | 92 | 17307    | 0.2959               |       |
| 50 Benzene                     | 78  | 13.970       | 13.975           | -0.005           | 28 | 4004     | 0.0764               |       |
| 52 1,2-Dichloroethane          | 62  |              | 14.136           |                  |    |          |                      |       |
| 53 n-Heptane                   | 43  |              | 14.269           |                  |    |          |                      |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735       | 14.735           | 0.000            | 94 | 601522   | 10.0                 |       |
| 56 Trichloroethene             | 95  |              | 15.200           |                  |    |          |                      |       |
| 58 1,2-Dichloropropane         | 63  |              | 15.725           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  |              | 15.805           |                  |    |          |                      |       |
| 60 1,4-Dioxane                 | 88  |              | 15.896           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 16.217           |                  |    |          |                      |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 17.073           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.303       | 17.313           | -0.010           | 82 | 5976     | 0.2335               |       |
| 66 Toluene                     | 92  | 17.645       | 17.650           | -0.005           | 93 | 90400    | 2.23                 |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 18.180           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 18.555           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 |              | 18.688           |                  |    |          |                      |       |
| 73 2-Hexanone                  | 43  |              | 18.934           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 19.309           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 19.592           |                  |    |          |                      |       |
| S 82 Xylenes, Total            | 106 |              |                  |                  | 0  |          | 0.5527               |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432       | 20.432           | 0.000            | 85 | 558138   | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 20.491           |                  |    |          |                      |       |
| 78 Ethylbenzene                | 91  | 20.604       | 20.603           | 0.001            | 70 | 10383    | 0.1098               |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.818       | 20.823           | -0.005           | 99 | 15682    | 0.4111               |       |
| 83 o-Xylene                    | 106 | 21.524       | 21.534           | -0.010           | 77 | 5097     | 0.1416               |       |
| 84 Styrene                     | 104 |              | 21.572           |                  |    |          |                      |       |
| 85 Bromoform                   | 173 |              | 21.952           |                  |    |          |                      |       |
| 86 Isopropylbenzene            | 105 |              | 22.101           |                  |    |          |                      |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433       | 22.438           | -0.005           | 91 | 392959   | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |              | 22.663           |                  |    |          |                      |       |
| 90 N-Propylbenzene             | 91  |              | 22.733           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 | 22.899       | 22.904           | -0.005           | 62 | 6940     | 0.0563               |       |
| 92 2-Chlorotoluene             | 91  |              | 22.936           |                  |    |          |                      |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.990       | 22.995           | -0.005           | 62 | 7238     | 0.0635               |       |
| 96 tert-Butylbenzene           | 119 |              | 23.471           |                  |    |          |                      |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.562       | 23.562           | 0.000            | 82 | 17354    | 0.1595               |       |
| 98 sec-Butylbenzene            | 105 |              | 23.803           |                  |    |          |                      |       |
| 99 4-Isopropyltoluene          | 119 |              | 24.001           |                  |    |          |                      |       |
| 100 1,3-Dichlorobenzene        | 146 |              | 24.070           |                  |    |          |                      |       |
| 101 1,4-Dichlorobenzene        | 146 |              | 24.215           |                  |    |          |                      |       |
| 102 Benzyl chloride            | 91  |              | 24.429           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 24.637           |                  |    |          |                      |       |
| 105 1,2-Dichlorobenzene        | 146 |              | 24.824           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 27.708           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 27.911           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 28.296           |                  |    |          |                      |       |



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Worklist Smp#: 13

Client ID: 101IA0405CA

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

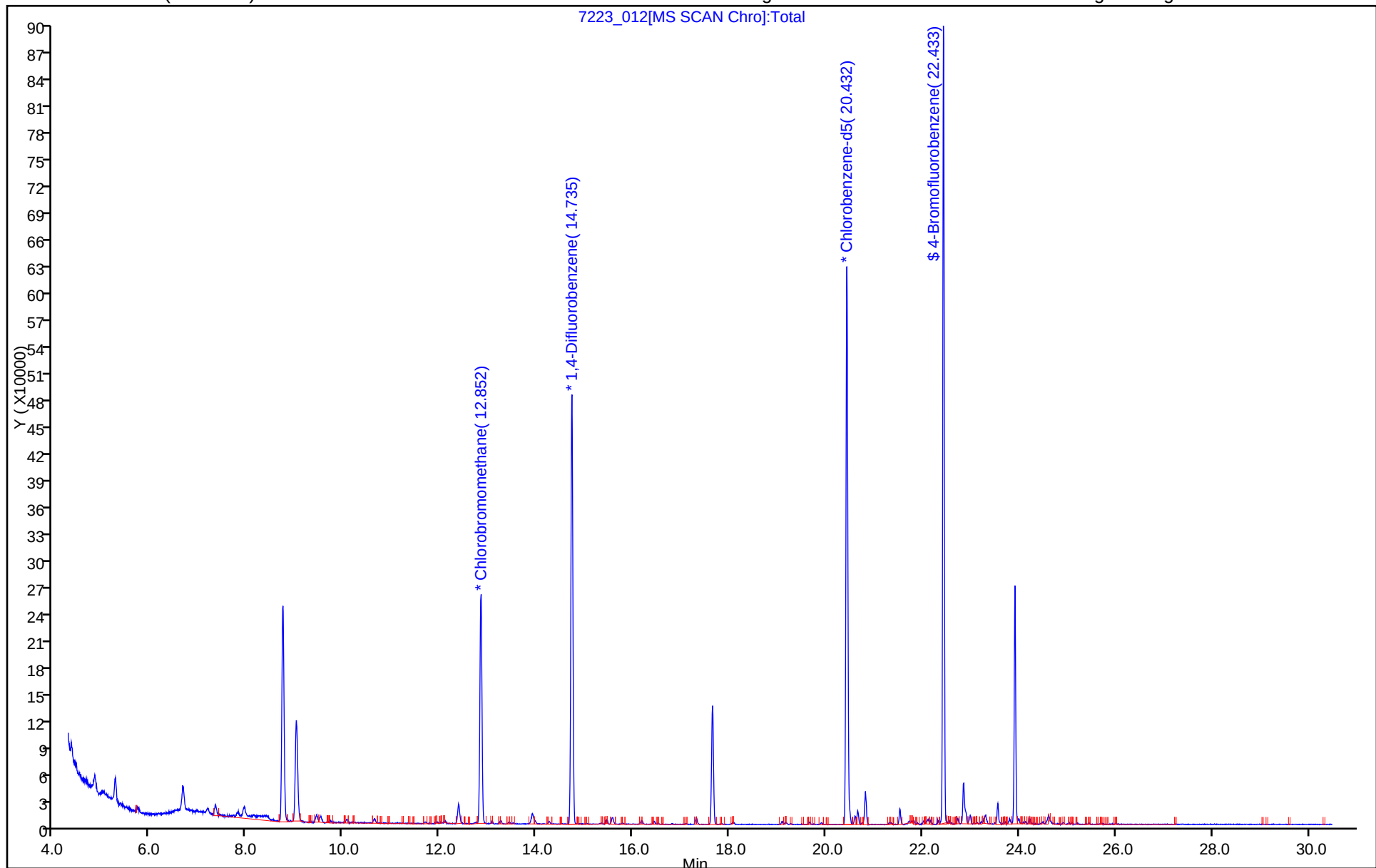
ALS Bottle#: 9

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

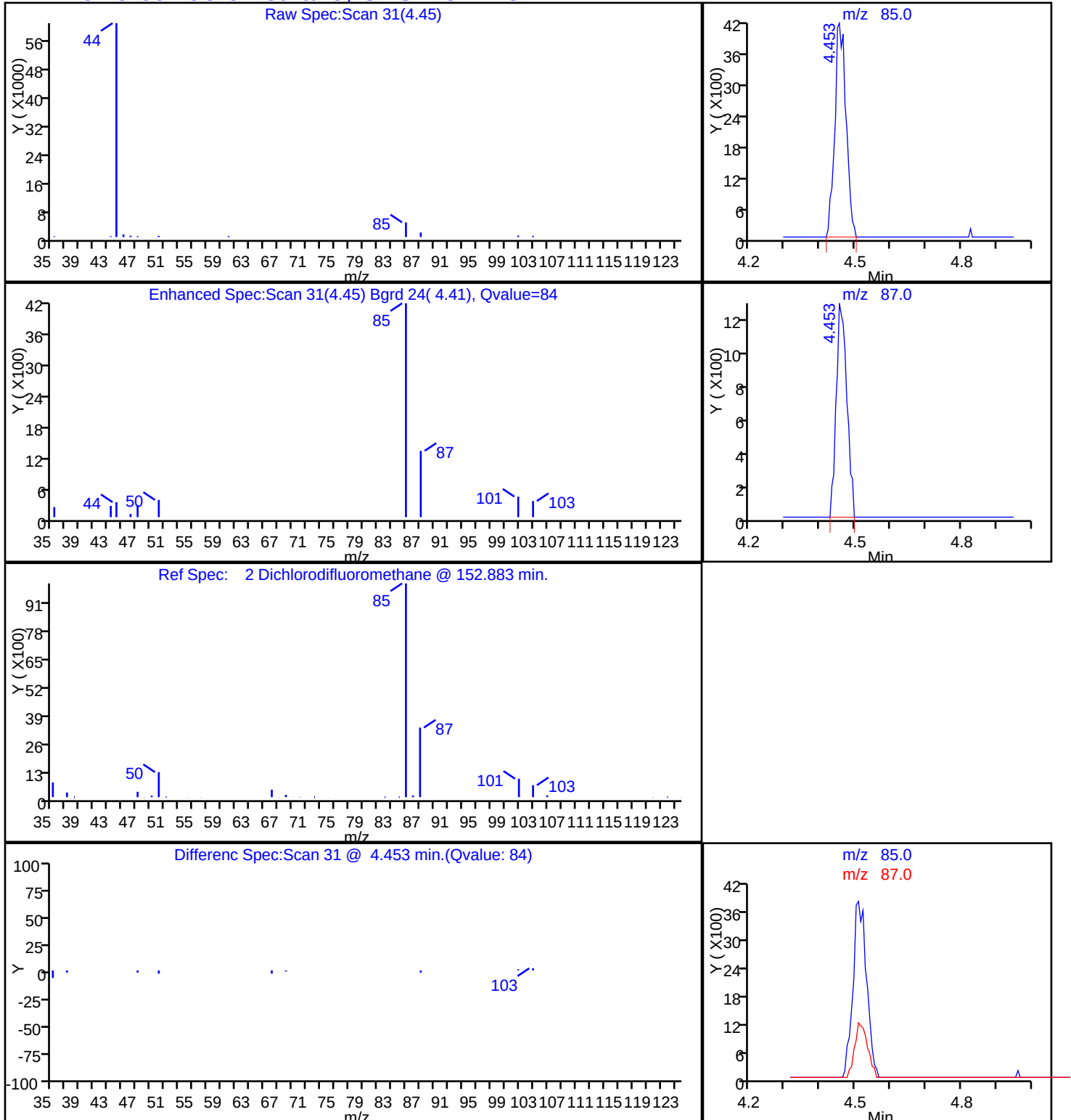
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

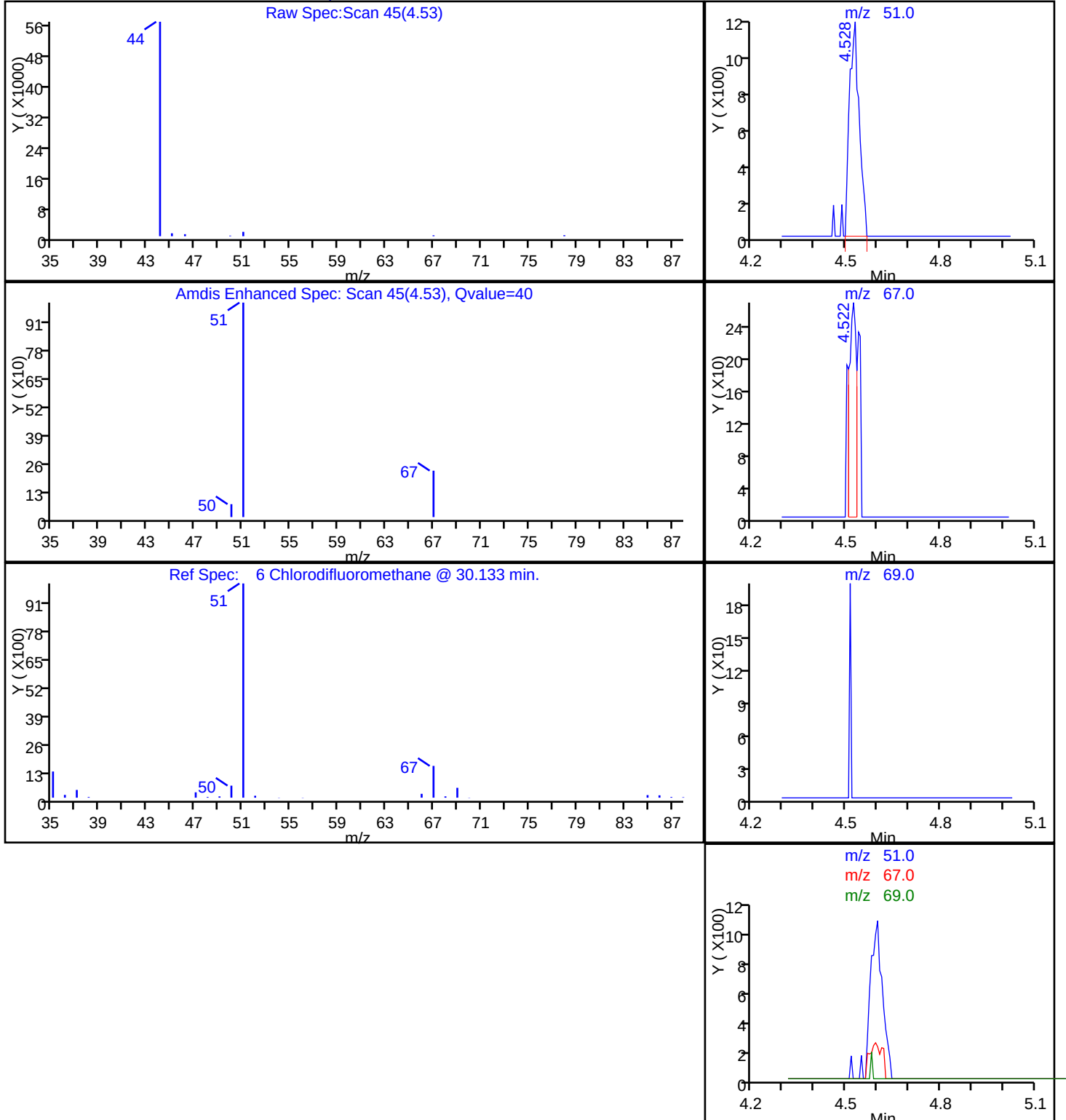
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**6 Chlorodifluoromethane, CAS: 75-45-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

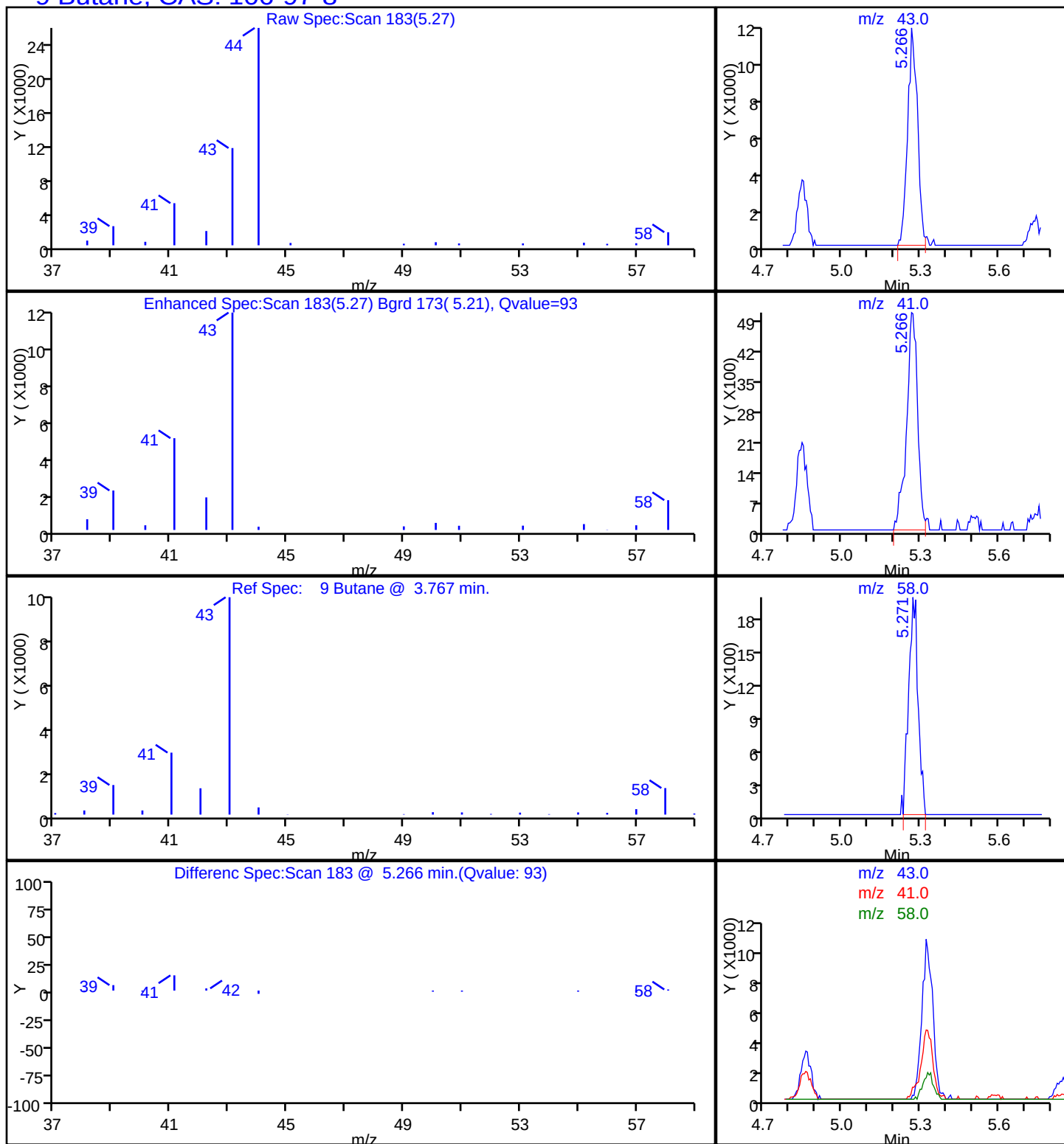
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

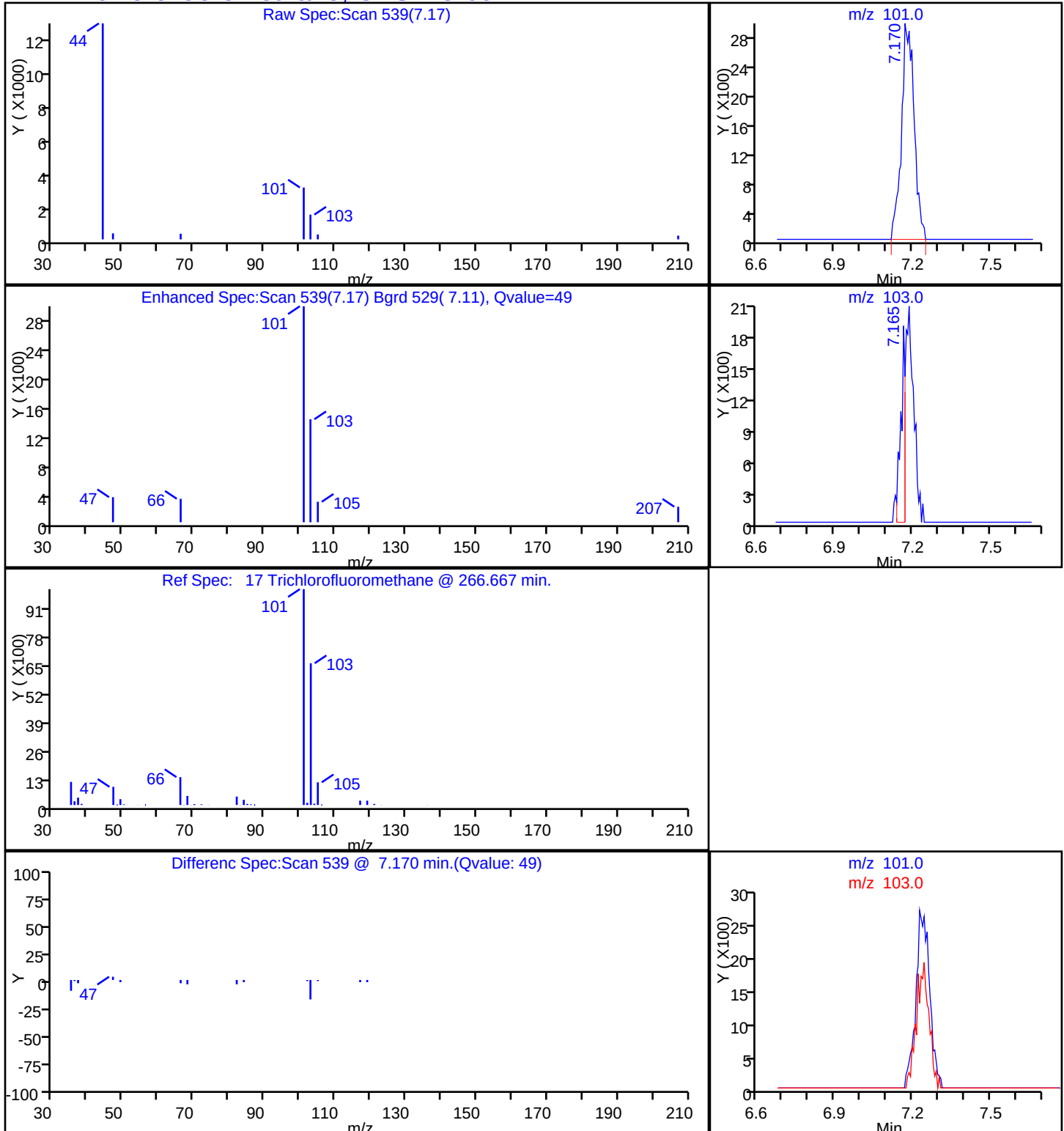
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

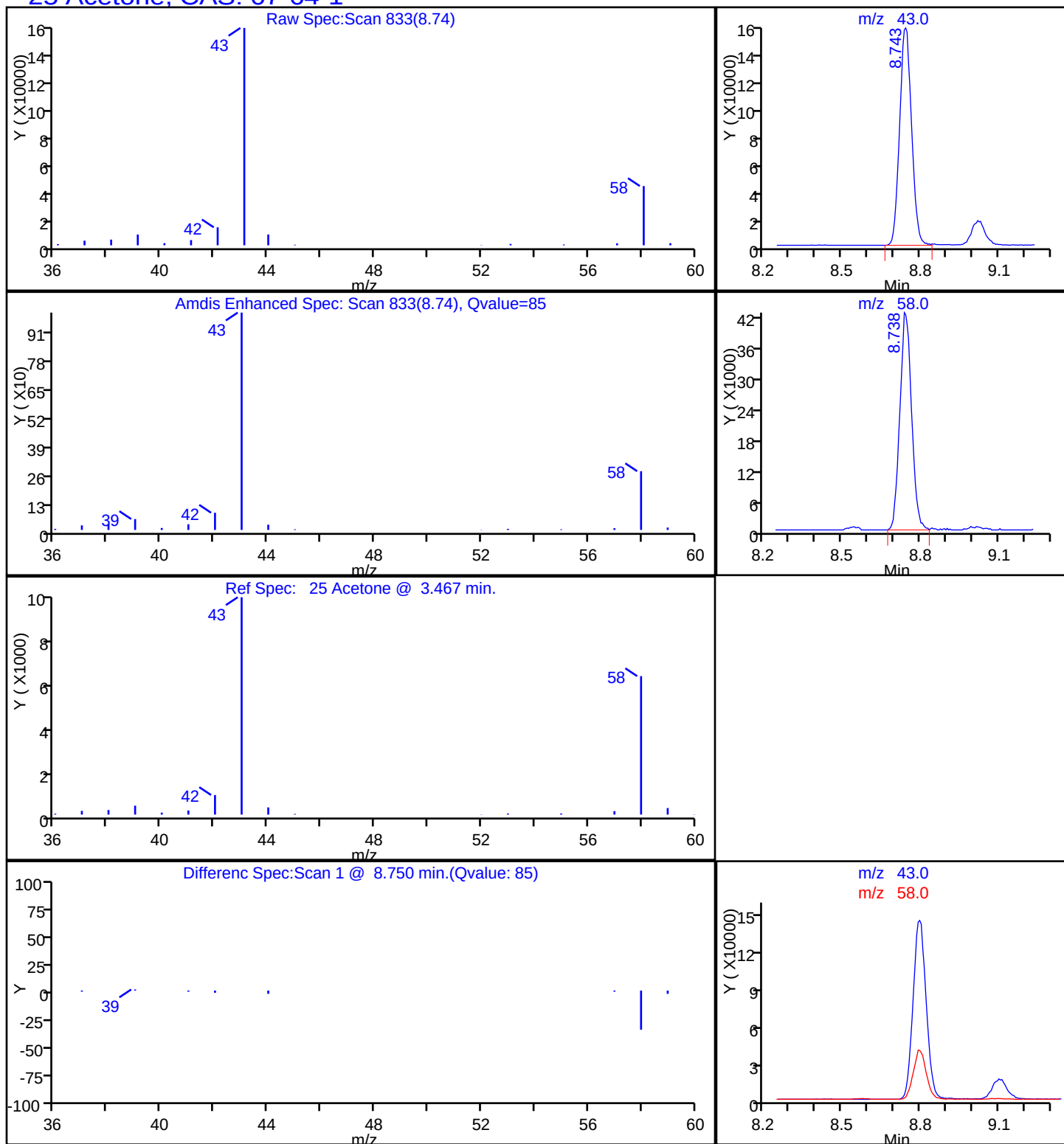
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

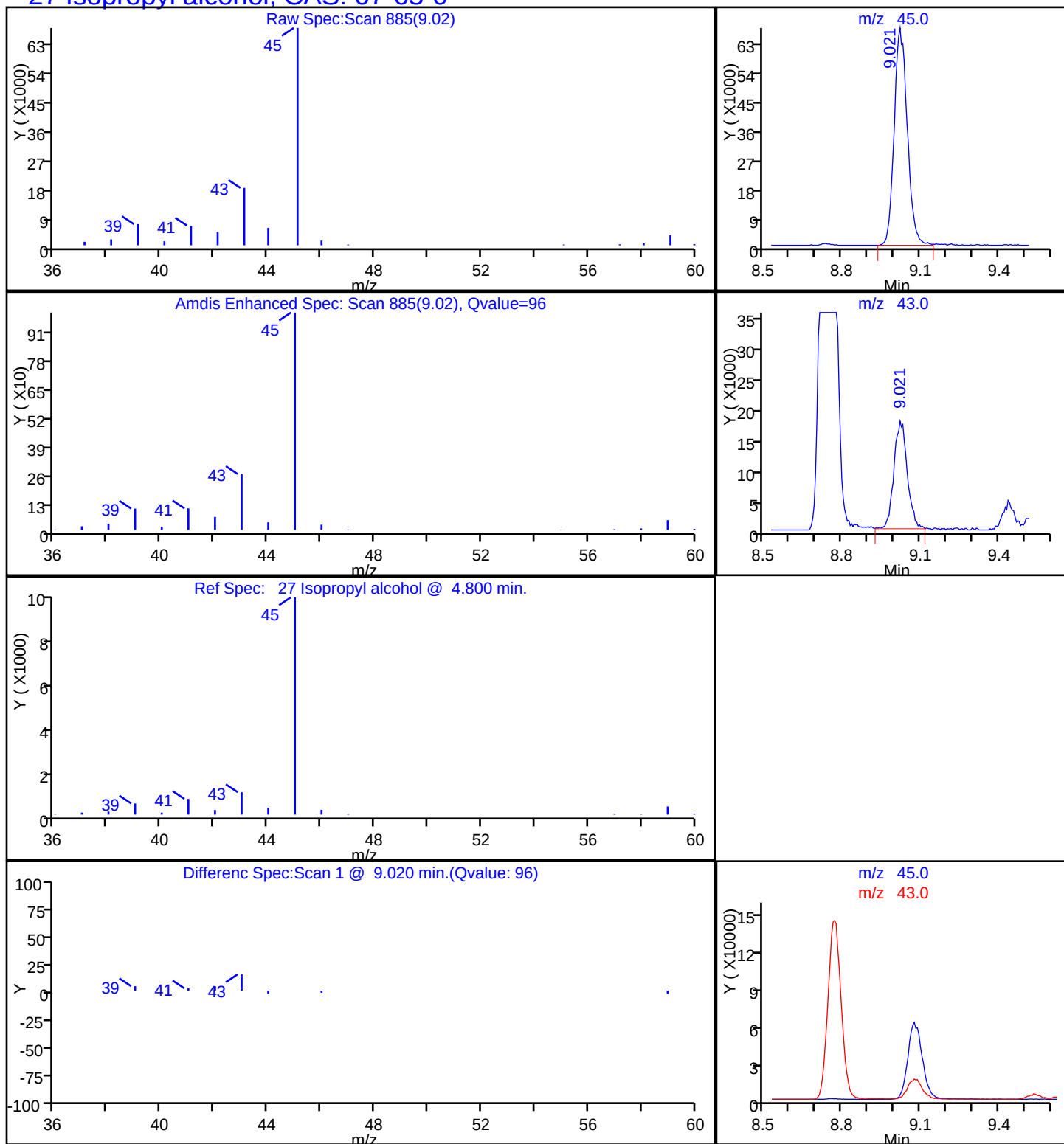
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

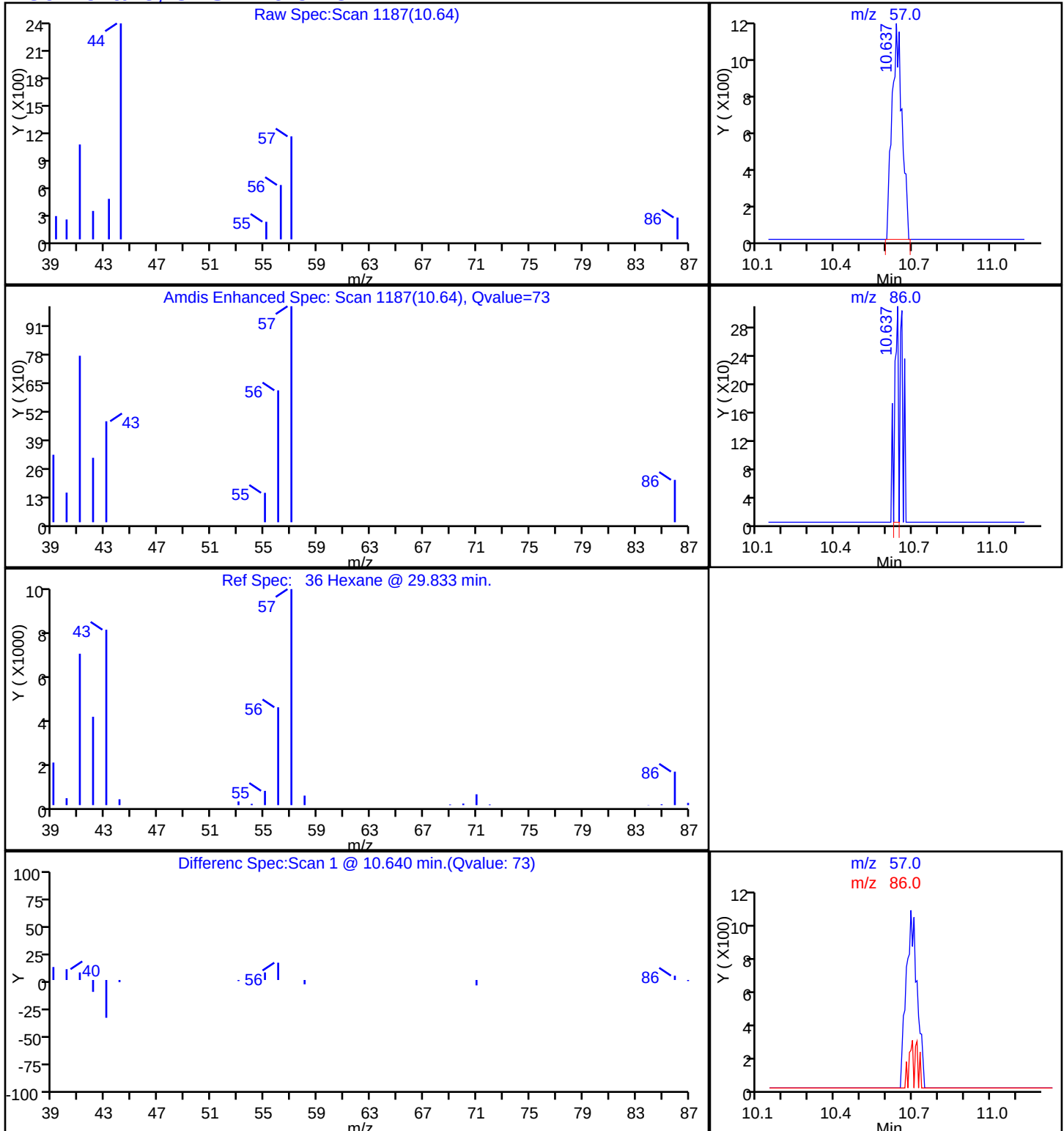
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

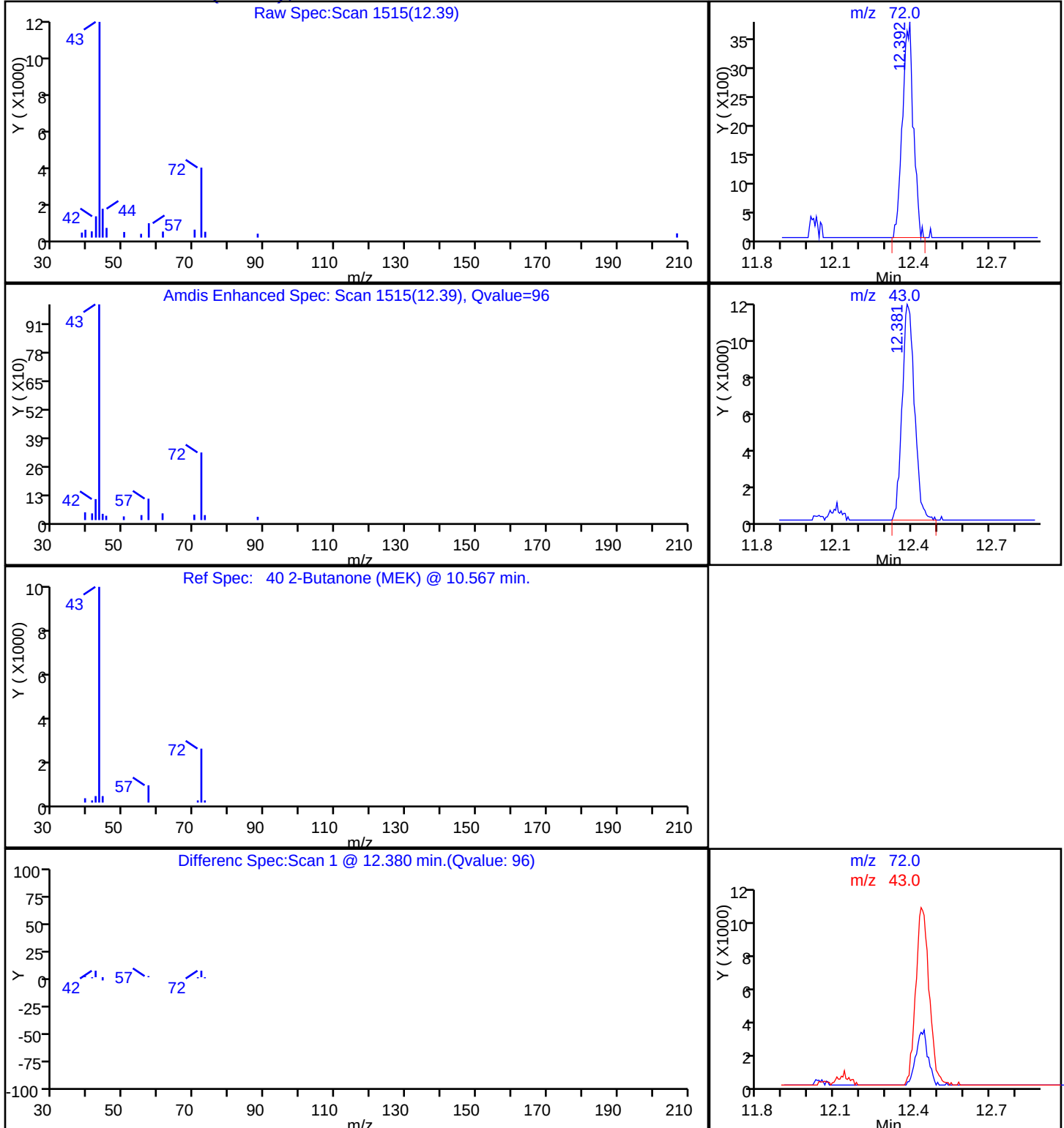
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

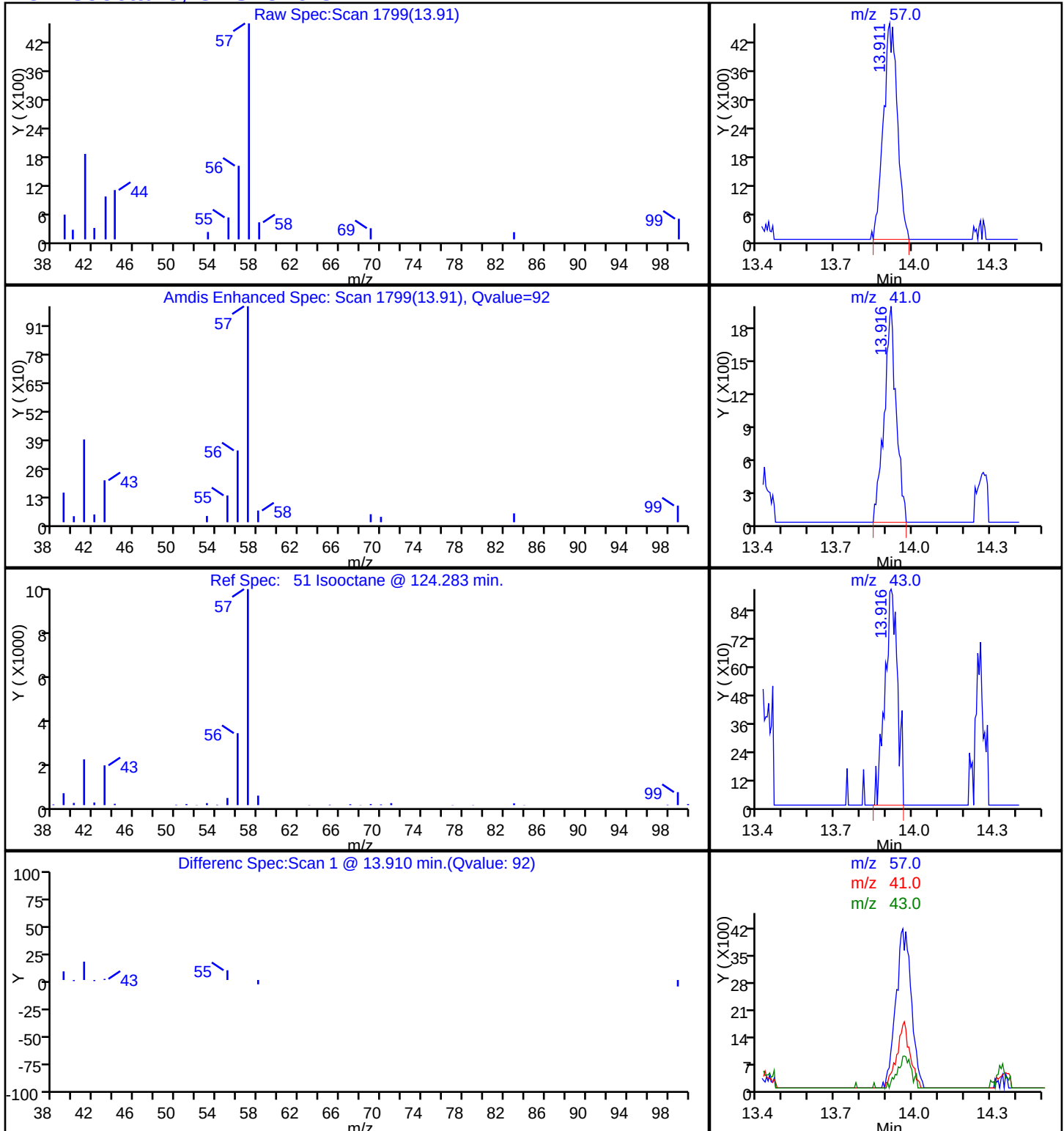
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTv-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

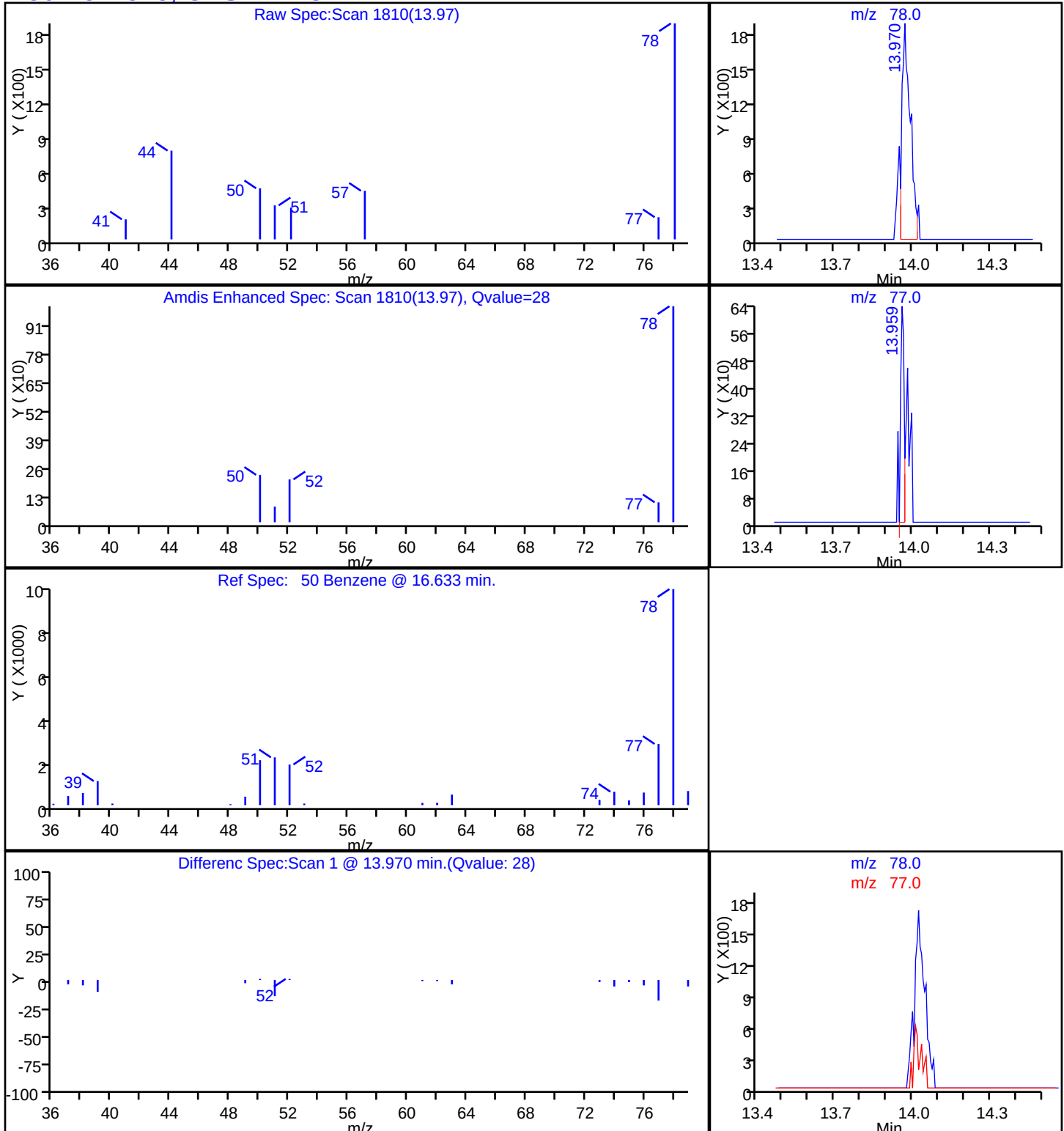
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**50 Benzene, CAS: 71-43-2**

## TestAmerica Burlington

Data File: \\BTv-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

Dil. Factor: 5.0000

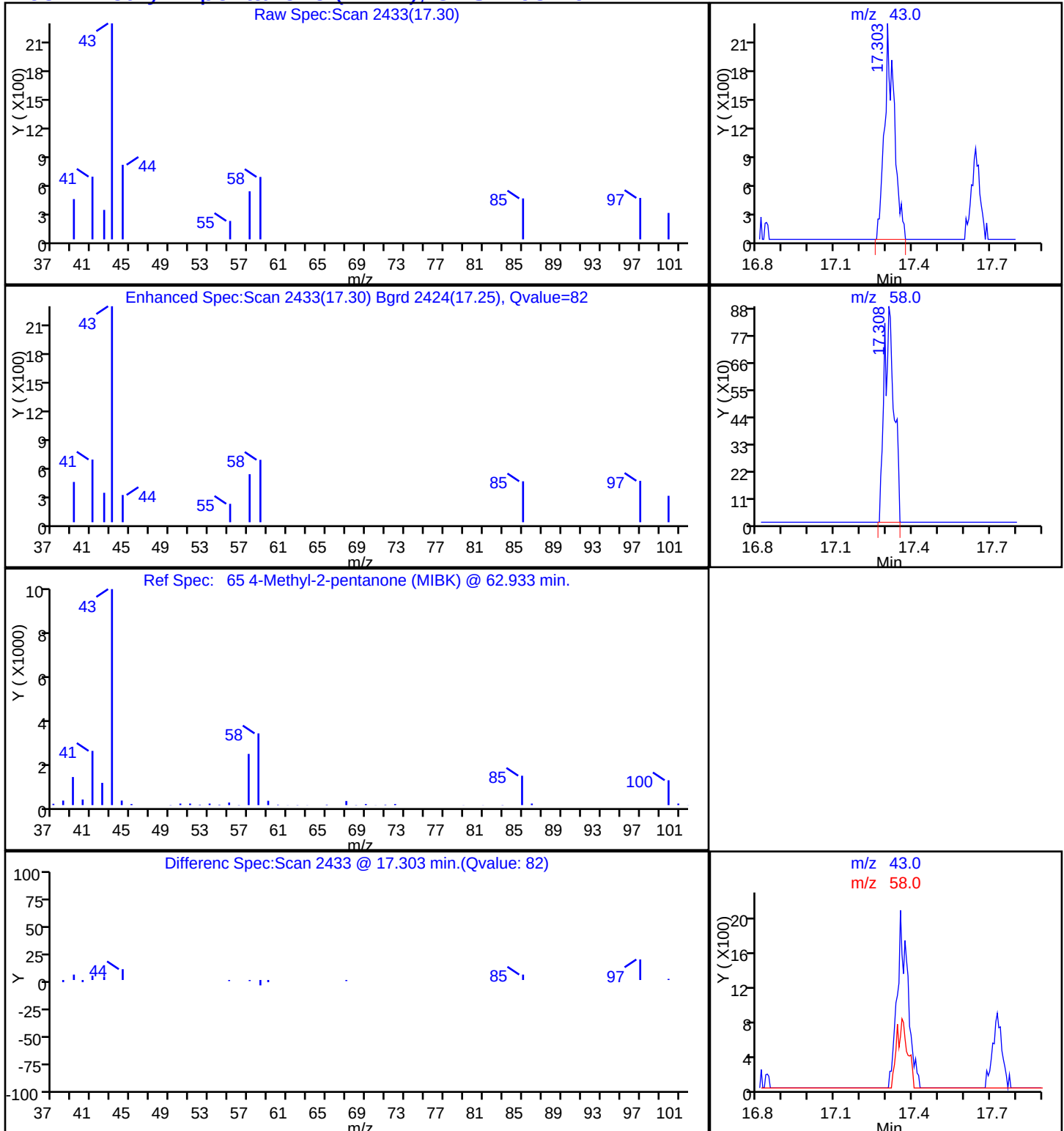
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

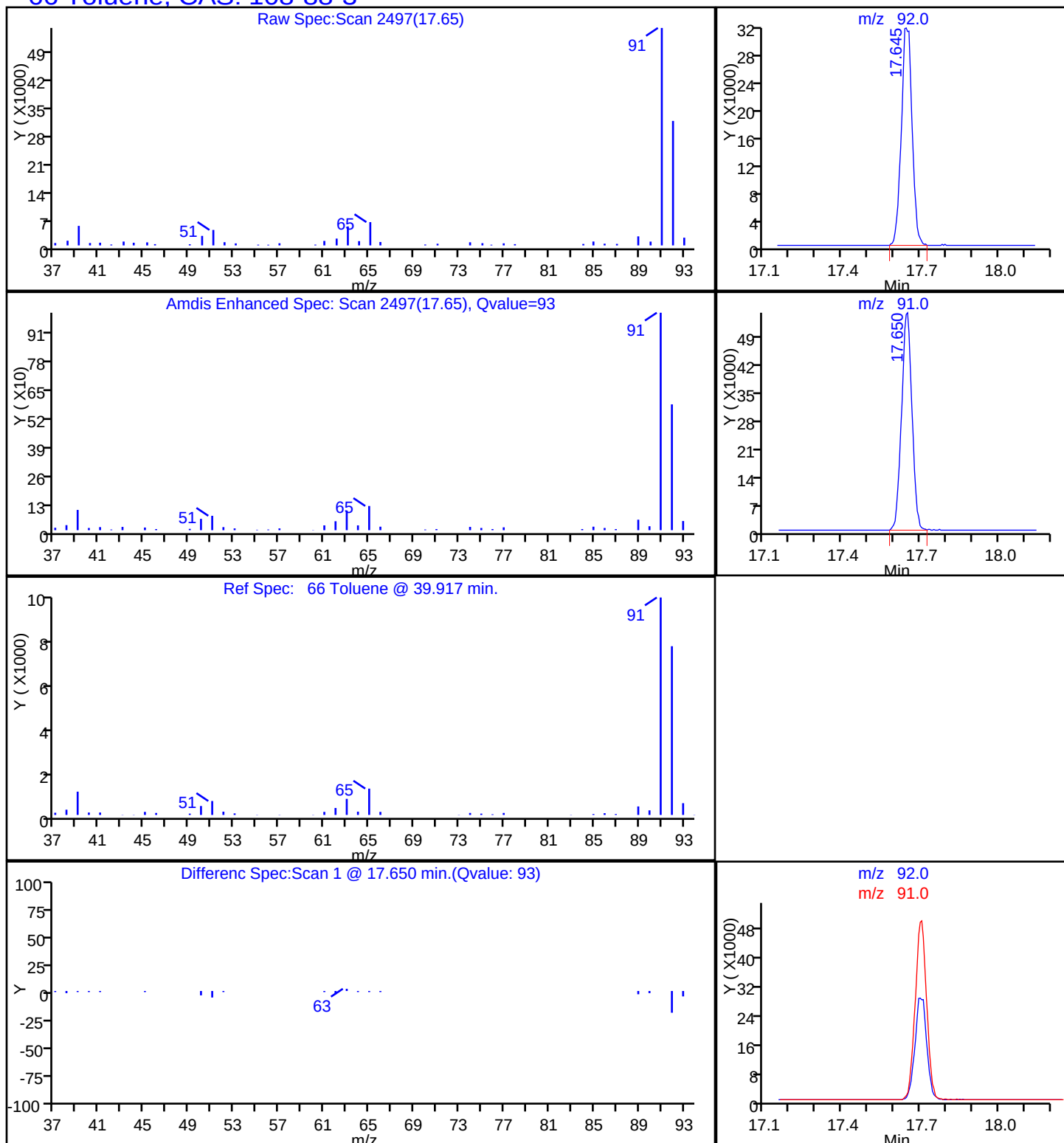
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

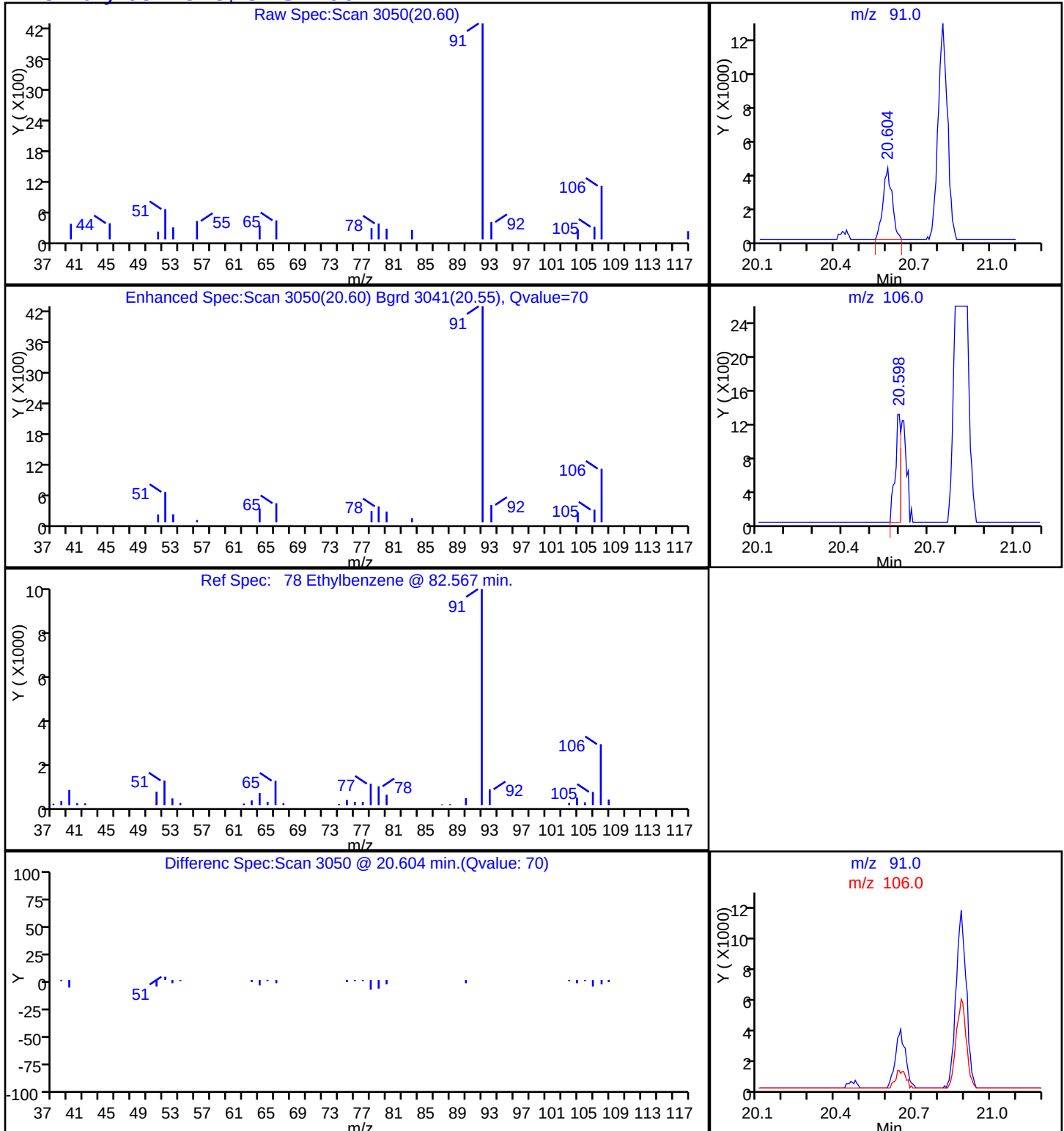
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**78 Ethylbenzene, CAS: 100-41-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

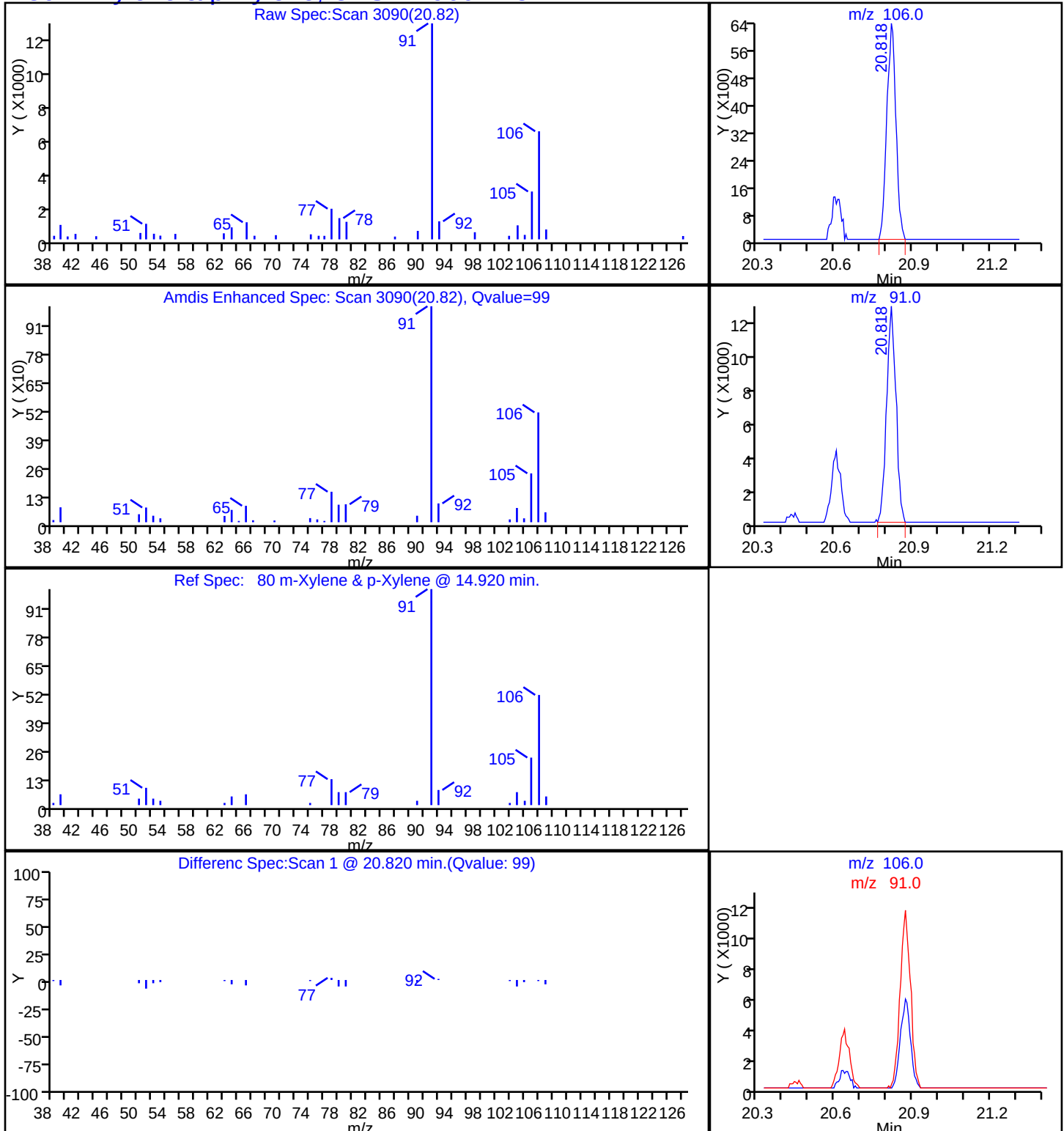
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

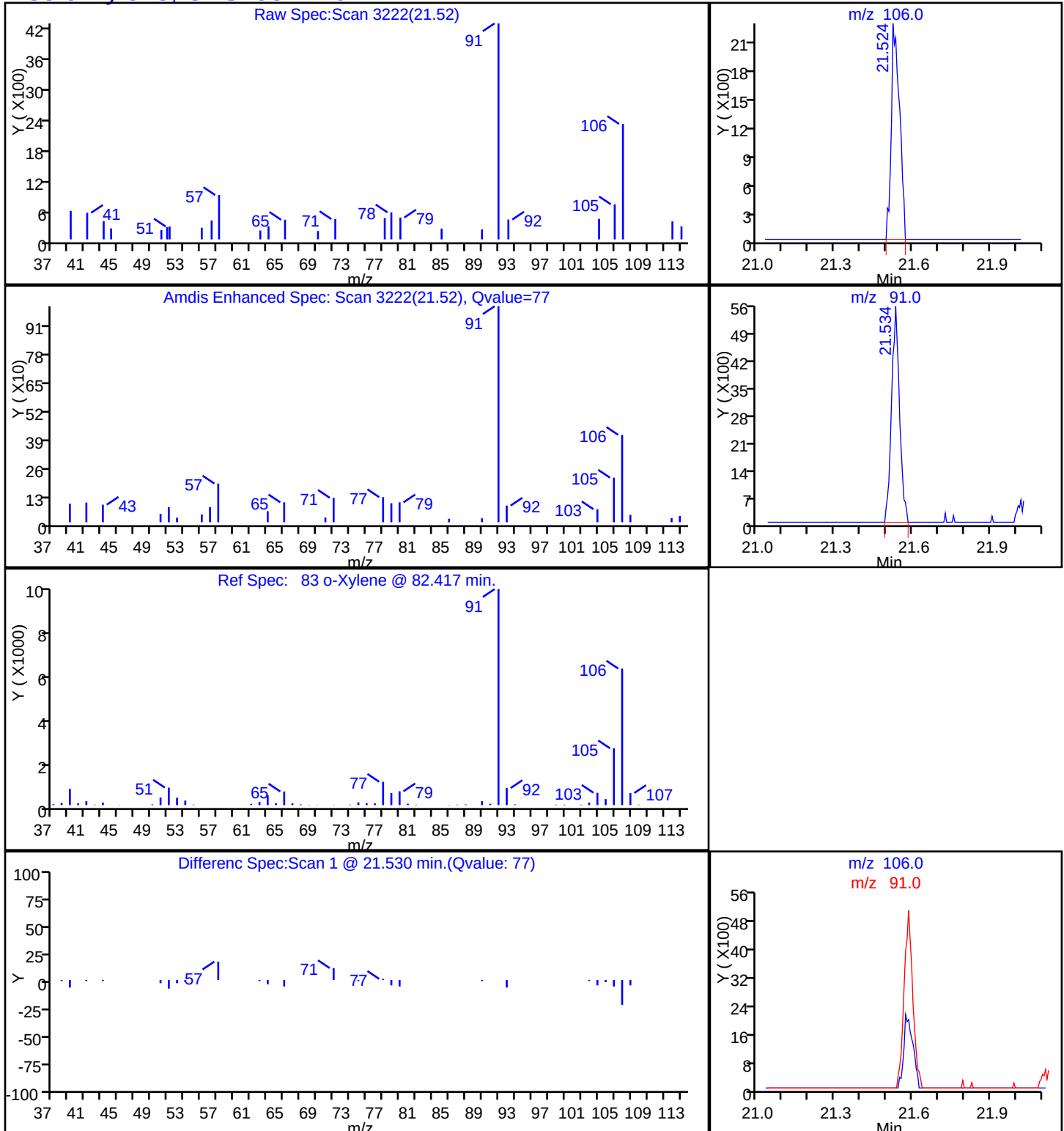
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

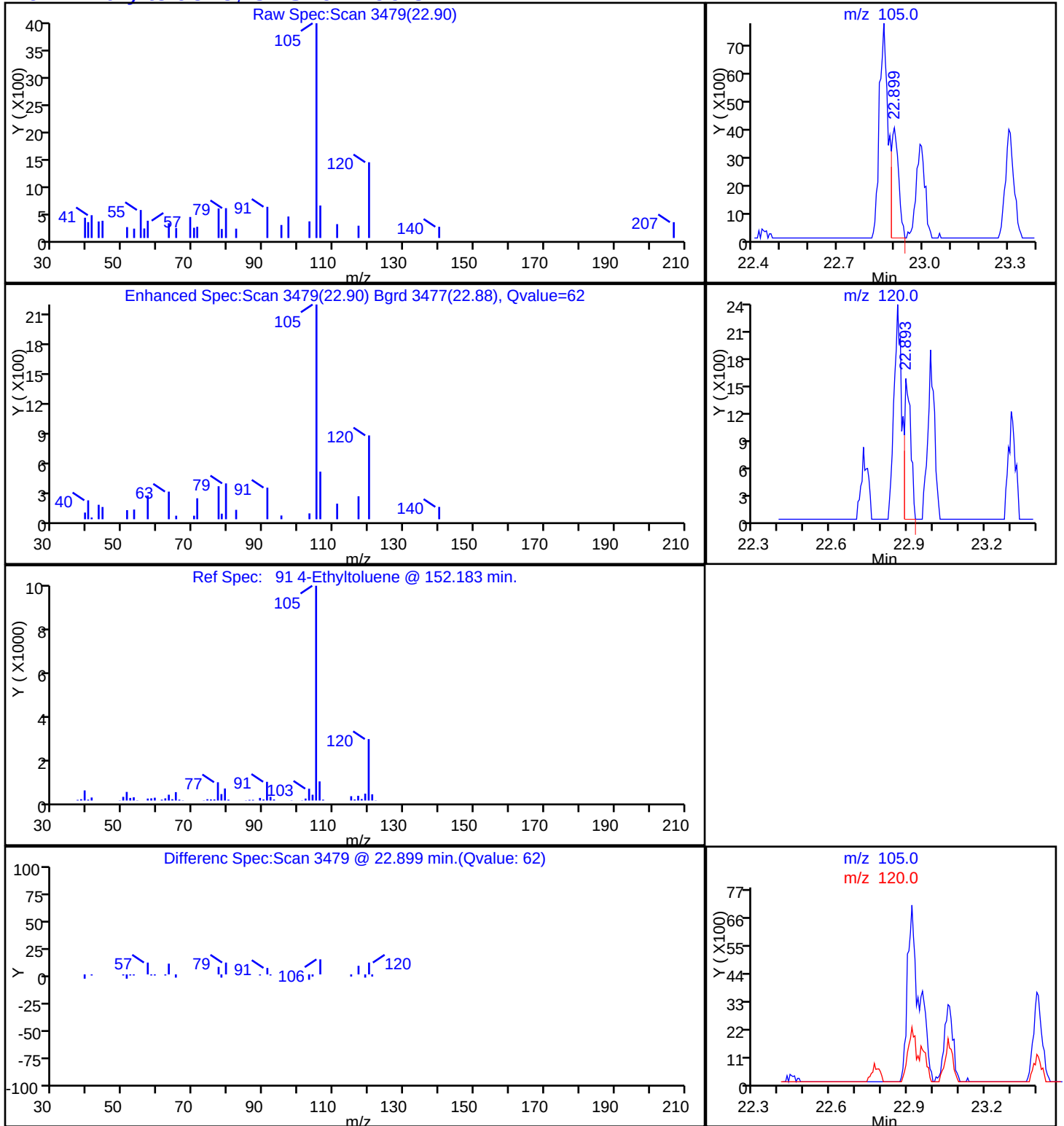
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

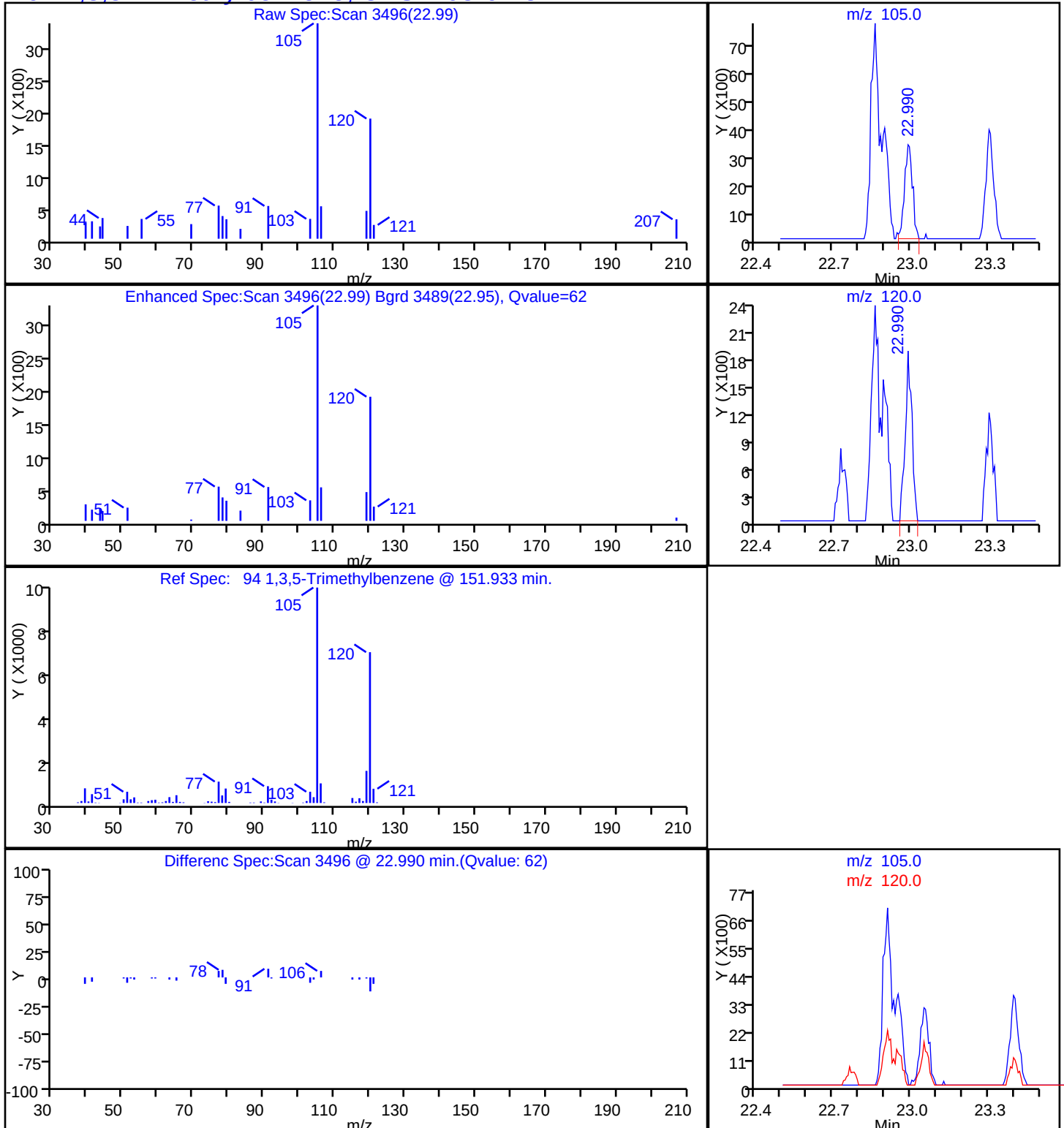
Dil. Factor: 5.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**94 1,3,5-Trimethylbenzene, CAS: 108-67-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_012.d

Injection Date: 25-Apr-2014 20:54:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-6

Lab Sample ID: 200-54595-6

Client ID: 101IA0405CA

Operator ID: pad

ALS Bottle#: 9

Worklist Smp#: 13

Purge Vol: 200.000 mL

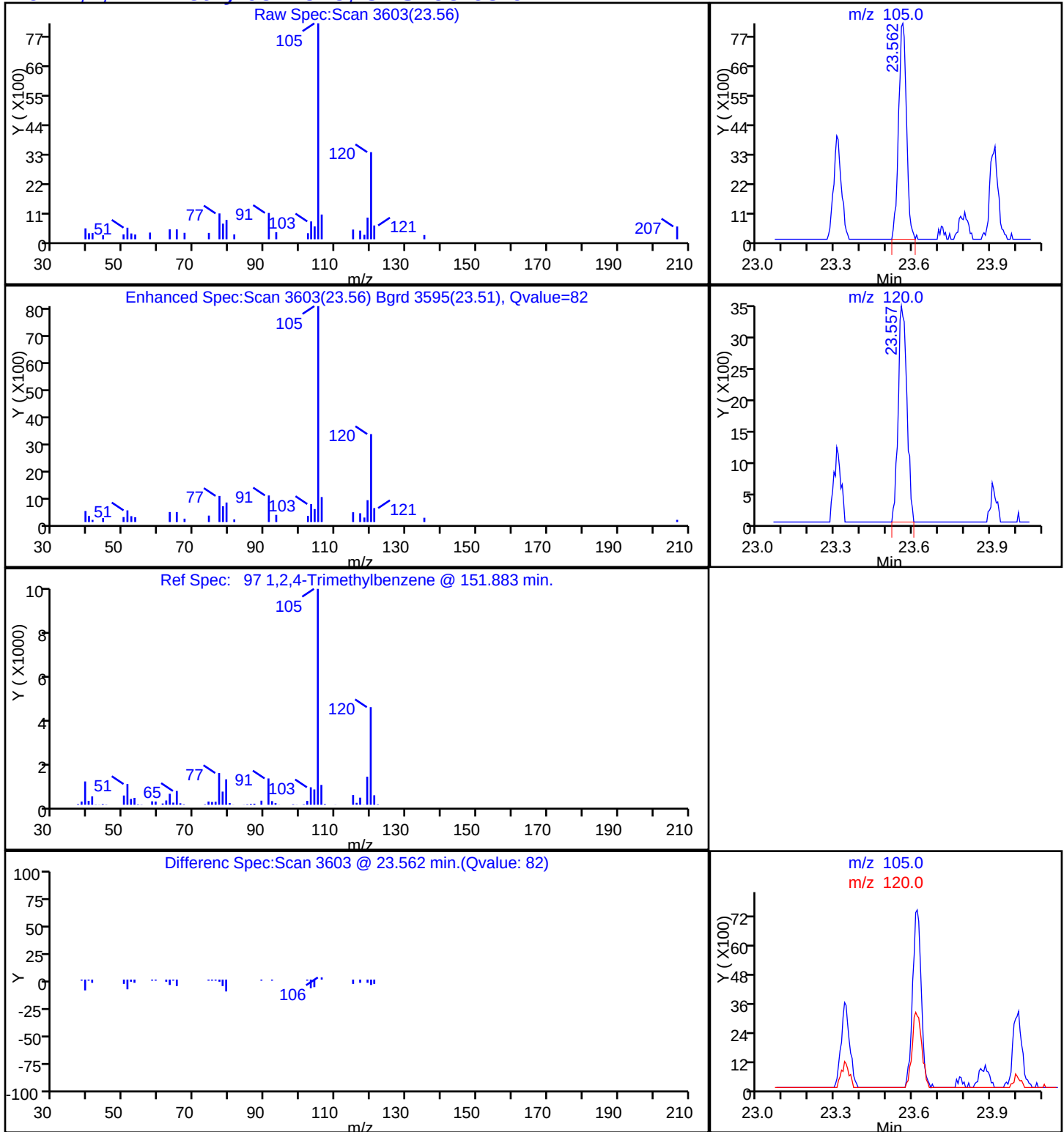
Dil. Factor: 5.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7

Matrix: Air Lab File ID: 7223\_013.d

Analysis Method: TO-15 Date Collected: 04/17/2014 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.55   |     | 0.50 | 0.030 |
| 75-45-6   | Freon 22                      | 86.47            | 0.26   | J   | 0.50 | 0.048 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.080  | U   | 0.20 | 0.035 |
| 74-87-3   | Chloromethane                 | 50.49            | 0.54   |     | 0.50 | 0.14  |
| 106-97-8  | n-Butane                      | 58.12            | 1.5    |     | 0.50 | 0.28  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.080  | U   | 0.20 | 0.038 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.080  | U   | 0.20 | 0.042 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.080  | U   | 0.20 | 0.028 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.080  | U   | 0.50 | 0.030 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.080  | U   | 0.20 | 0.030 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.24   | M   | 0.20 | 0.030 |
| 76-13-1   | Freon TF                      | 187.38           | 0.071  | J M | 0.20 | 0.018 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.080  | U   | 0.20 | 0.024 |
| 67-64-1   | Acetone                       | 58.08            | 3.9    | J   | 5.0  | 1.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 0.59   | J   | 5.0  | 0.22  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.20   | U   | 0.50 | 0.066 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.080  | U   | 0.50 | 0.034 |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.20   | U   | 0.50 | 0.13  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 0.50   | U   | 5.0  | 0.33  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.080  | U   | 0.20 | 0.022 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.080  | U   | 0.20 | 0.029 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.63   |     | 0.20 | 0.034 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.080  | U   | 0.20 | 0.038 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 0.44   | J   | 0.50 | 0.24  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.080  | U   | 0.20 | 0.038 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.080  | U   | 0.20 | 0.064 |
| 67-66-3   | Chloroform                    | 119.38           | 0.080  | U   | 0.20 | 0.025 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.080  | U   | 5.0  | 0.046 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.080  | U   | 0.20 | 0.021 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.080  | U   | 0.20 | 0.025 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.070  | J   | 0.20 | 0.021 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.049  | J   | 0.20 | 0.027 |
| 71-43-2   | Benzene                       | 78.11            | 0.095  | J   | 0.20 | 0.019 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.030  | U   | 0.20 | 0.017 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7

Matrix: Air Lab File ID: 7223\_013.d

Analysis Method: TO-15 Date Collected: 04/17/2014 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL     |
|-------------|----------------------------------|------------------|--------|---|------|--------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.50   | M | 0.20 | 0.046  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.080  | U | 0.20 | 0.024  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.080  | U | 0.50 | 0.030  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.080  | U | 0.20 | 0.032  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.20   | U | 5.0  | 0.20   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.030  | U | 0.20 | 0.017  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.080  | U | 0.20 | 0.028  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.080  | U | 0.50 | 0.027  |
| 108-88-3    | Toluene                          | 92.14            | 0.37   |   | 0.20 | 0.017  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.080  | U | 0.20 | 0.022  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.030  | U | 0.20 | 0.017  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.030  | U | 0.20 | 0.016  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.20   | U | 0.50 | 0.20   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.030  | U | 0.20 | 0.020  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.080  | U | 0.20 | 0.020  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.030  | U | 0.20 | 0.0081 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.030  | U | 0.20 | 0.013  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.080  | U | 0.50 | 0.023  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.030  | U | 0.20 | 0.016  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.080  | U | 0.20 | 0.034  |
| 100-42-5    | Styrene                          | 104.15           | 0.030  | U | 0.20 | 0.018  |
| 75-25-2     | Bromoform                        | 252.75           | 0.030  | U | 0.20 | 0.010  |
| 98-82-8     | Cumene                           | 120.19           | 0.030  | U | 0.20 | 0.016  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.030  | U | 0.20 | 0.016  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.080  | U | 0.20 | 0.080  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.036  | J | 0.20 | 0.018  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.042  | J | 0.20 | 0.012  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.030  | U | 0.20 | 0.013  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.030  | U | 0.20 | 0.017  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.088  | J | 0.20 | 0.014  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.080  | U | 0.20 | 0.080  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.080  | U | 0.20 | 0.080  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.030  | U | 0.20 | 0.014  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.030  | U | 0.20 | 0.014  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7  
Matrix: Air Lab File ID: 7223\_013.d  
Analysis Method: TO-15 Date Collected: 04/17/2014 11:00  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.080  | U | 0.20 | 0.080 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.080  | U | 0.20 | 0.080 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.030  | U | 0.20 | 0.014 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.080  | U | 0.50 | 0.027 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.080  | U | 0.20 | 0.022 |
| 91-20-3  | Naphthalene            | 128.17           | 0.20   | U | 0.50 | 0.20  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7

Matrix: Air Lab File ID: 7223\_013.d

Analysis Method: TO-15 Date Collected: 04/17/2014 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 2.7    |     | 2.5  | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.93   | J   | 1.8  | 0.17  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.56   | U   | 1.4  | 0.24  |
| 74-87-3   | Chloromethane                 | 50.49            | 1.1    |     | 1.0  | 0.28  |
| 106-97-8  | n-Butane                      | 58.12            | 3.6    |     | 1.2  | 0.67  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.20   | U   | 0.51 | 0.097 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.18   | U   | 0.44 | 0.093 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.31   | U   | 0.78 | 0.11  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.21   | U   | 1.3  | 0.079 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.35   | U   | 0.87 | 0.13  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 1.3    | M   | 1.1  | 0.17  |
| 76-13-1   | Freon TF                      | 187.38           | 0.54   | J M | 1.5  | 0.14  |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.32   | U   | 0.79 | 0.095 |
| 67-64-1   | Acetone                       | 58.08            | 9.3    | J   | 12   | 3.0   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 1.5    | J   | 12   | 0.53  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.62   | U   | 1.6  | 0.21  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.25   | U   | 1.6  | 0.11  |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.69   | U   | 1.7  | 0.43  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 1.5    | U   | 15   | 0.99  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.29   | U   | 0.72 | 0.079 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.32   | U   | 0.79 | 0.11  |
| 110-54-3  | n-Hexane                      | 86.17            | 2.2    |     | 0.70 | 0.12  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.32   | U   | 0.81 | 0.15  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 1.3    | J   | 1.5  | 0.71  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.32   | U   | 0.79 | 0.15  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.32   | U   | 0.79 | 0.25  |
| 67-66-3   | Chloroform                    | 119.38           | 0.39   | U   | 0.98 | 0.12  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.24   | U   | 15   | 0.14  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.44   | U   | 1.1  | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.28   | U   | 0.69 | 0.086 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.44   | J   | 1.3  | 0.13  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.23   | J   | 0.93 | 0.13  |
| 71-43-2   | Benzene                       | 78.11            | 0.30   | J   | 0.64 | 0.061 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.12   | U   | 0.81 | 0.069 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7

Matrix: Air Lab File ID: 7223\_013.d

Analysis Method: TO-15 Date Collected: 04/17/2014 11:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|---|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 2.0    | M | 0.82 | 0.19  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.43   | U | 1.1  | 0.13  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.33   | U | 2.0  | 0.12  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.37   | U | 0.92 | 0.15  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.72   | U | 18   | 0.72  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.20   | U | 1.3  | 0.11  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.36   | U | 0.91 | 0.13  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.33   | U | 2.0  | 0.11  |
| 108-88-3    | Toluene                          | 92.14            | 1.4    |   | 0.75 | 0.064 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.36   | U | 0.91 | 0.10  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.16   | U | 1.1  | 0.093 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.20   | U | 1.4  | 0.11  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.82   | U | 2.0  | 0.82  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.26   | U | 1.7  | 0.17  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.61   | U | 1.5  | 0.15  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.14   | U | 0.92 | 0.037 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.13   | U | 0.87 | 0.056 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.35   | U | 2.2  | 0.10  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.13   | U | 0.87 | 0.069 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.35   | U | 0.87 | 0.15  |
| 100-42-5    | Styrene                          | 104.15           | 0.13   | U | 0.85 | 0.077 |
| 75-25-2     | Bromoform                        | 252.75           | 0.31   | U | 2.1  | 0.10  |
| 98-82-8     | Cumene                           | 120.19           | 0.15   | U | 0.98 | 0.079 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.21   | U | 1.4  | 0.11  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.39   | U | 0.98 | 0.39  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.18   | J | 0.98 | 0.088 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.20   | J | 0.98 | 0.059 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.16   | U | 1.0  | 0.067 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.16   | U | 1.1  | 0.093 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.43   | J | 0.98 | 0.069 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.44   | U | 1.1  | 0.44  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.44   | U | 1.1  | 0.44  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.18   | U | 1.2  | 0.084 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.18   | U | 1.2  | 0.084 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101OA0305CA Lab Sample ID: 280-54595-7  
Matrix: Air Lab File ID: 7223\_013.d  
Analysis Method: TO-15 Date Collected: 04/17/2014 11:00  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 21:44  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.41   | U | 1.0 | 0.41  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.44   | U | 1.1 | 0.44  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.18   | U | 1.2 | 0.084 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.59   | U | 3.7 | 0.20  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.85   | U | 2.1 | 0.23  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.6 | 1.0   |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d  
 Lims ID: 280-54595-A-7 Lab Sample ID: 200-54595-7  
 Client ID: 1010A0305CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 21:44:30 ALS Bottle#: 10 Worklist Smp#: 14  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-014  
 Misc. Info.: 280-54595-A-7  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LL NJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:31:51 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 12:26:34

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.469     | 4.474         | -0.005        | 87 | 38618    | 0.5522            |       |
| 6 Chlorodifluoromethane        | 51  | 4.538     | 4.544         | -0.006        | 38 | 6987     | 0.2637            |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  | 5.025     | 5.025         | 0.000         | 66 | 6467     | 0.5372            |       |
| 9 Butane                       | 43  | 5.287     | 5.287         | 0.000         | 95 | 29374    | 1.51              |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.208     | 7.186         | 0.022         | 63 | 18607    | 0.2374            | M     |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 | 8.444     | 8.428         | 0.016         | 13 | 3475     | 0.0708            | M     |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.781     | 8.743         | 0.038         | 78 | 87283    | 3.93              |       |
| 26 Carbon disulfide            | 76  |           | 9.000         |               |    |          |                   |       |
| 27 Isopropyl alcohol           | 45  | 9.086     | 9.043         | 0.043         | 71 | 10989    | 0.5907            |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  |           | 9.722         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol         | 59  |           | 9.909         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether     | 73  |           | 10.155        |               |    |          |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.658    | 10.642        | 0.016         | 81 | 13515    | 0.6315            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.413    | 12.392        | 0.021         | 90 | 4140     | 0.4403            |       |
| 44 Tetrahydrofuran             | 42  |           | 12.846        |               |    |          |                   |       |
| * 43 Chlorobromomethane        | 128 | 12.862    | 12.852        | 0.010         | 71 | 152913   | 10.0              |       |
| 45 Chloroform                  | 83  |           | 12.959        |               |    |          |                   |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269        |               |    |          |                   |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 48 Carbon tetrachloride        | 117 | 13.531    | 13.520        | 0.011         | 73 | 4919     | 0.0705            |       |
| 51 Isooctane                   | 57  | 13.916    | 13.916        | 0.000         | 64 | 3516     | 0.0494            |       |
| 50 Benzene                     | 78  | 13.986    | 13.975        | 0.011         | 57 | 6062     | 0.0950            |       |
| 52 1,2-Dichloroethane          | 62  |           | 14.136        |               |    |          |                   |       |
| 53 n-Heptane                   | 43  | 14.269    | 14.269        | 0.000         | 75 | 11004    | 0.4952            | M     |
| * 54 1,4-Difluorobenzene       | 114 | 14.740    | 14.735        | 0.005         | 94 | 731866   | 10.0              |       |
| 56 Trichloroethene             | 95  |           | 15.200        |               |    |          |                   |       |
| 58 1,2-Dichloropropane         | 63  |           | 15.725        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  |           | 15.805        |               |    |          |                   |       |
| 60 1,4-Dioxane                 | 88  |           | 15.896        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 16.217        |               |    |          |                   |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 17.073        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |           | 17.313        |               |    |          |                   |       |
| 66 Toluene                     | 92  | 17.650    | 17.650        | 0.000         | 90 | 17077    | 0.3699            |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 18.180        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 18.555        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 |           | 18.688        |               |    |          |                   |       |
| 73 2-Hexanone                  | 43  |           | 18.934        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 19.309        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 19.592        |               |    |          |                   |       |
| S 82 Xylenes, Total            | 106 |           | 20.100        |               |    |          |                   |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432    | 20.432        | 0.000         | 87 | 636613   | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 20.491        |               |    |          |                   |       |
| 78 Ethylbenzene                | 91  |           | 20.603        |               |    |          |                   |       |
| 80 m-Xylene & p-Xylene         | 106 |           | 20.823        |               |    |          |                   |       |
| 83 o-Xylene                    | 106 |           | 21.534        |               |    |          |                   |       |
| 84 Styrene                     | 104 |           | 21.572        |               |    |          |                   |       |
| 85 Bromoform                   | 173 |           | 21.952        |               |    |          |                   |       |
| 86 Isopropylbenzene            | 105 |           | 22.101        |               |    |          |                   |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433    | 22.438        | -0.005        | 91 | 447869   | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |           | 22.663        |               |    |          |                   |       |
| 90 N-Propylbenzene             | 91  |           | 22.733        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 | 22.899    | 22.904        | -0.006        | 46 | 5122     | 0.0364            |       |
| 92 2-Chlorotoluene             | 91  |           | 22.936        |               |    |          |                   |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.995    | 22.995        | 0.000         | 38 | 5413     | 0.0416            |       |
| 96 tert-Butylbenzene           | 119 |           | 23.471        |               |    |          |                   |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.567    | 23.562        | 0.005         | 71 | 10906    | 0.0879            |       |
| 98 sec-Butylbenzene            | 105 |           | 23.803        |               |    |          |                   |       |
| 99 4-Isopropyltoluene          | 119 |           | 24.001        |               |    |          |                   |       |
| 100 1,3-Dichlorobenzene        | 146 |           | 24.070        |               |    |          |                   |       |
| 101 1,4-Dichlorobenzene        | 146 |           | 24.215        |               |    |          |                   |       |
| 102 Benzyl chloride            | 91  |           | 24.429        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 24.637        |               |    |          |                   |       |
| 105 1,2-Dichlorobenzene        | 146 |           | 24.824        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 |           | 27.708        |               |    |          |                   |       |
| 108 Hexachlorobutadiene        | 225 |           | 27.911        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 28.296        |               |    |          |                   |       |

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Apr-2014 12:31:59

Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Worklist Smp#: 14

Client ID: 101OA0305CA

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

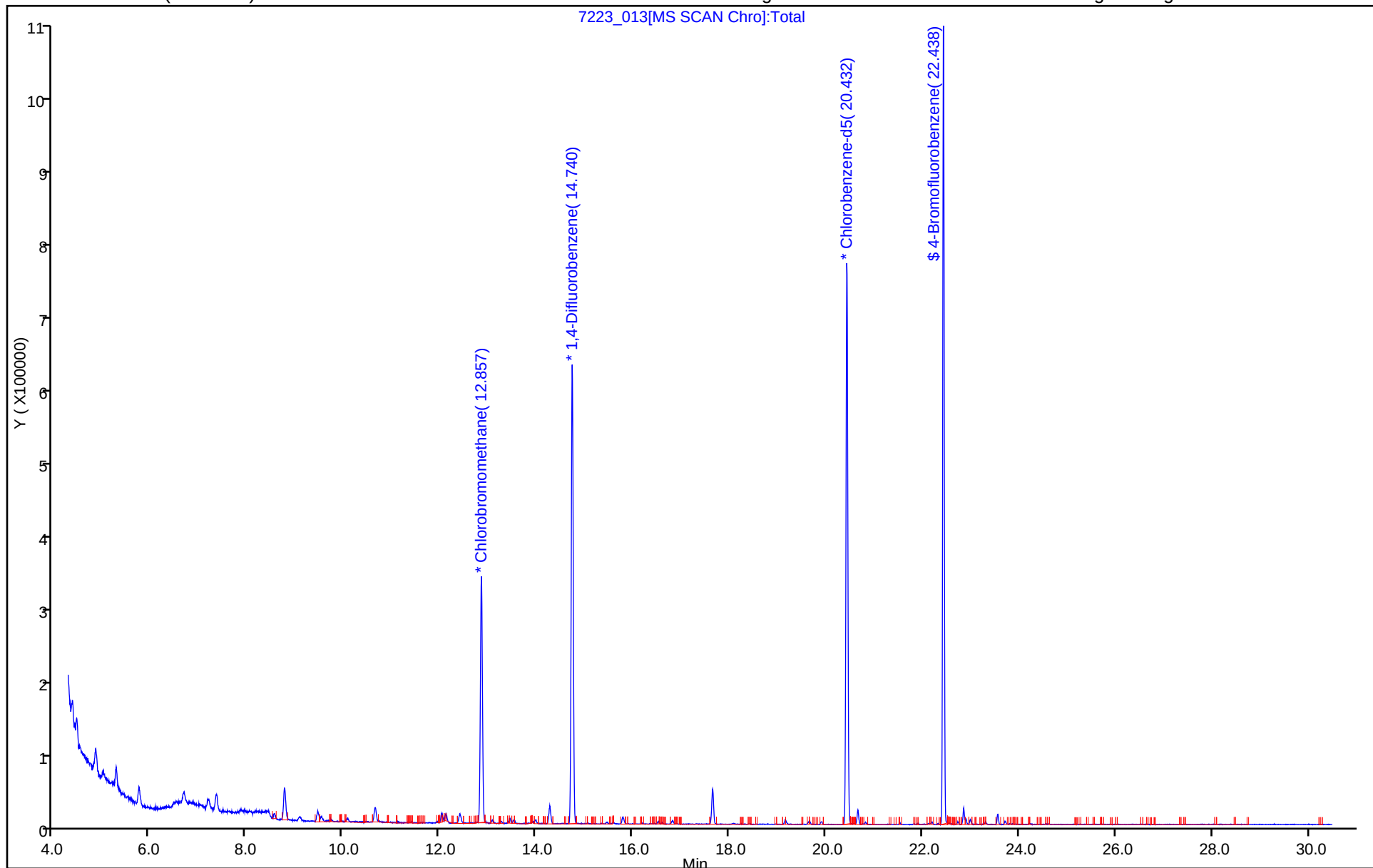
ALS Bottle#: 10

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

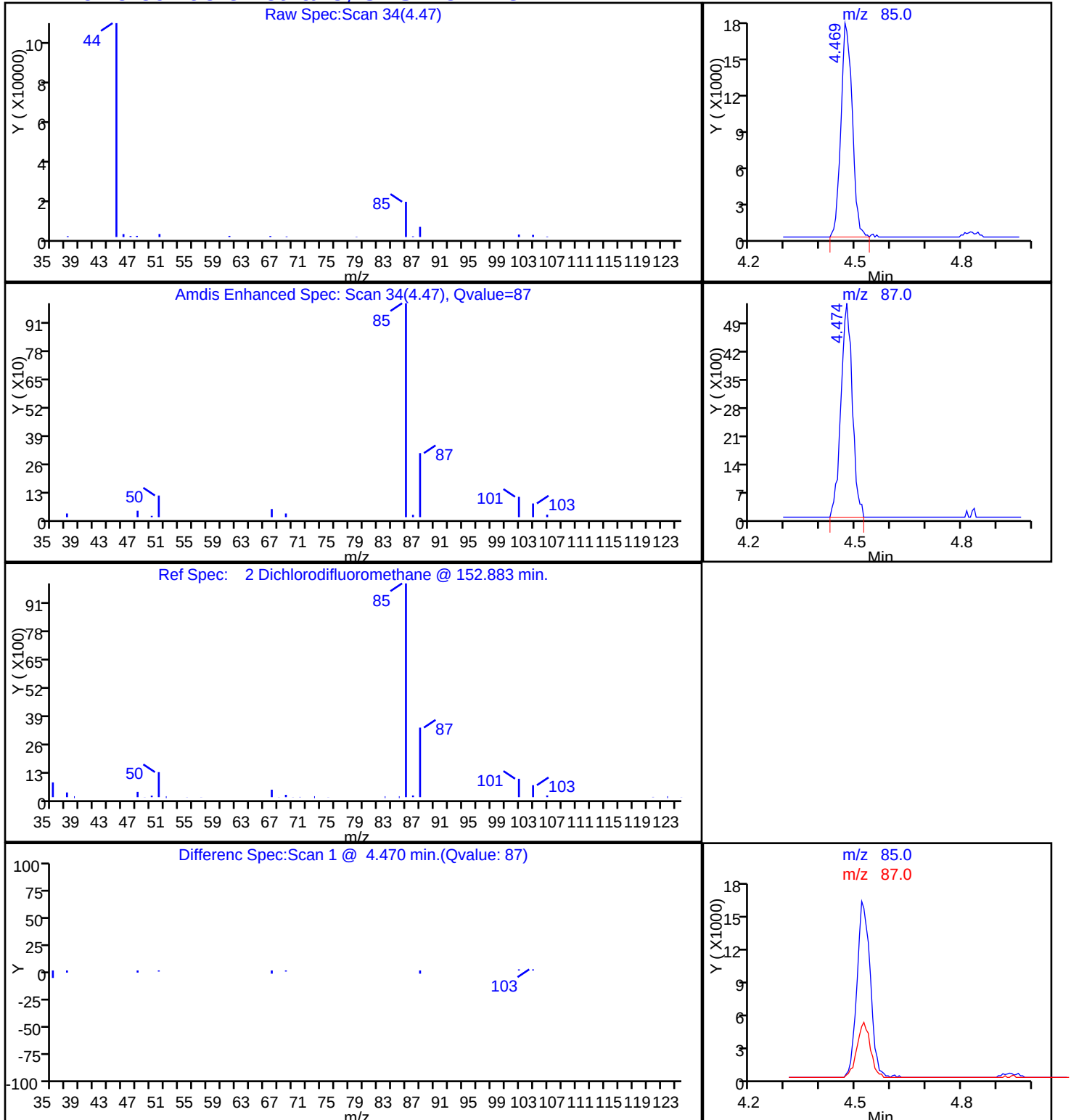
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

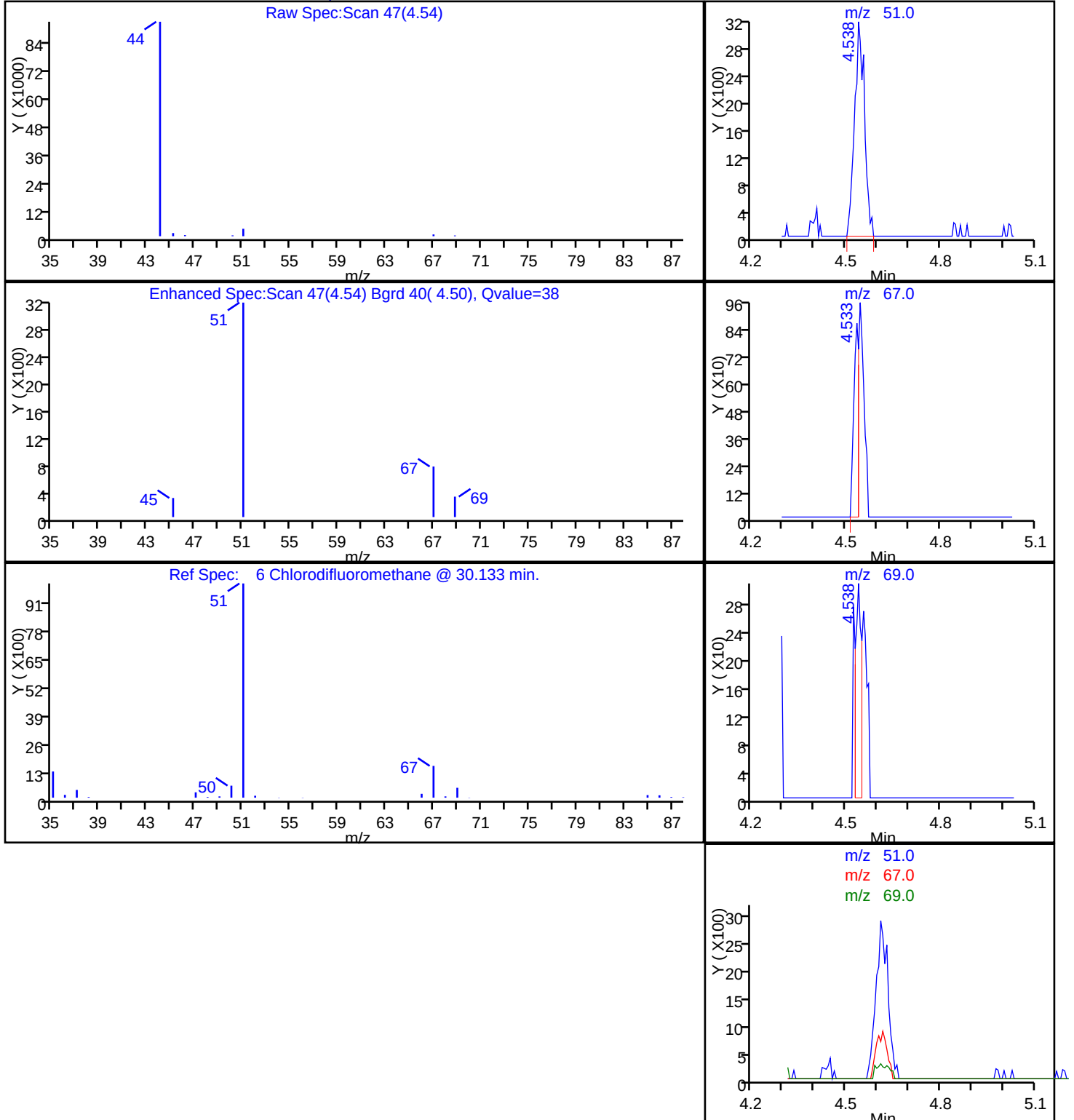
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 6 Chlorodifluoromethane, CAS: 75-45-6



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

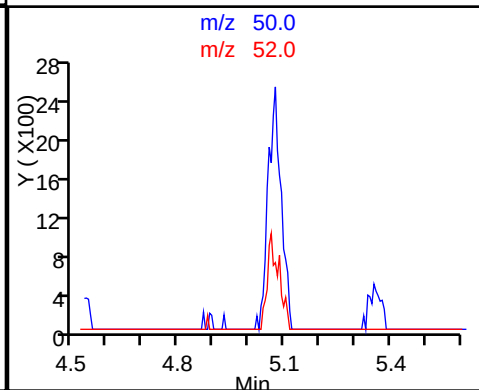
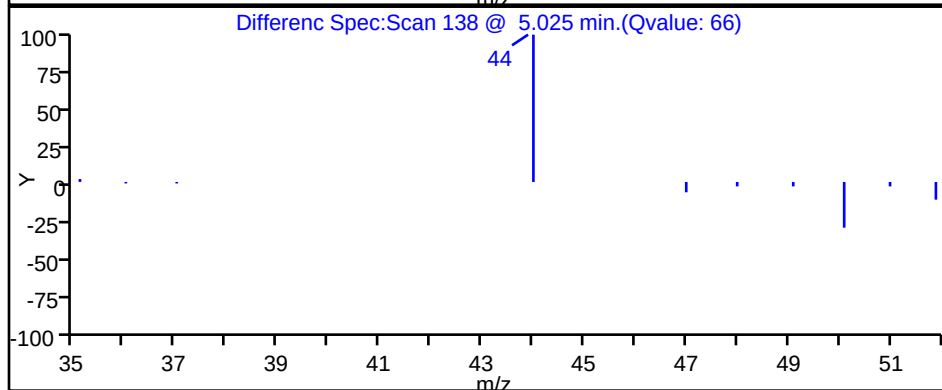
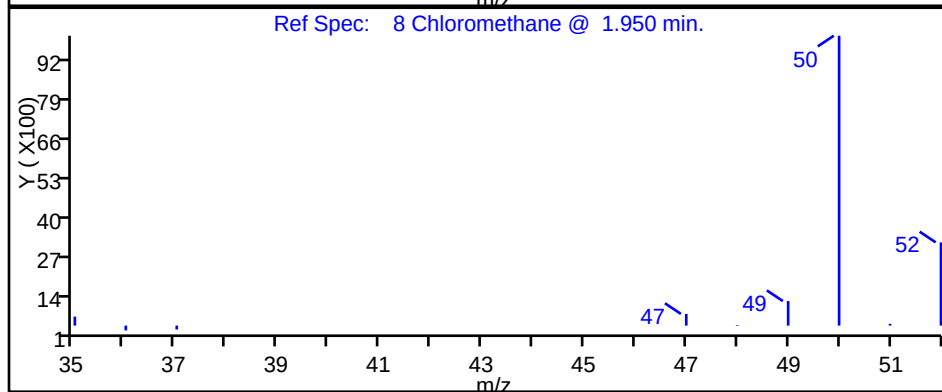
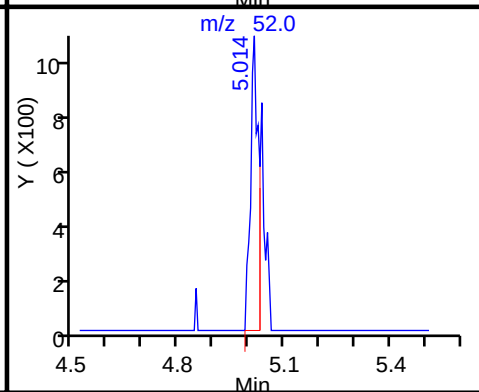
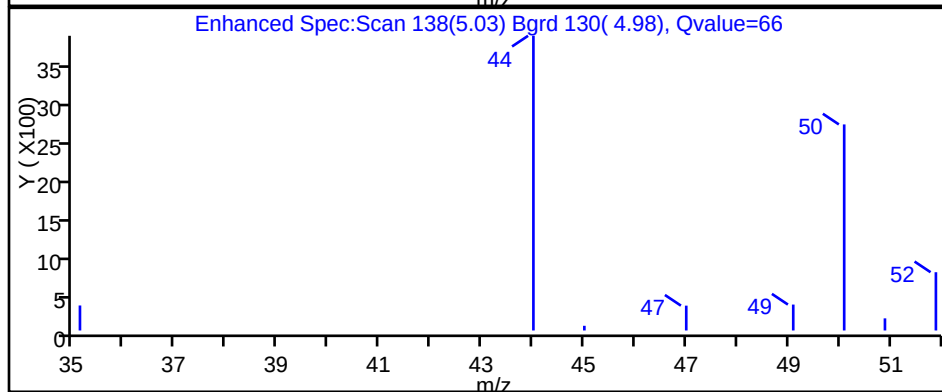
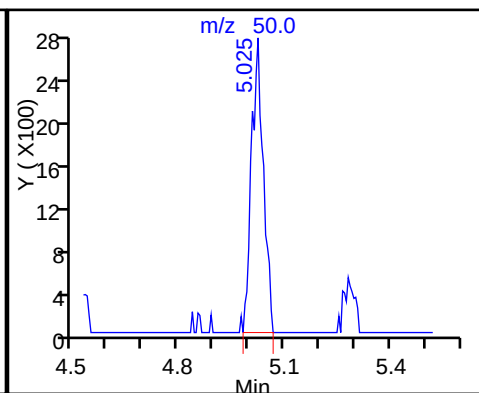
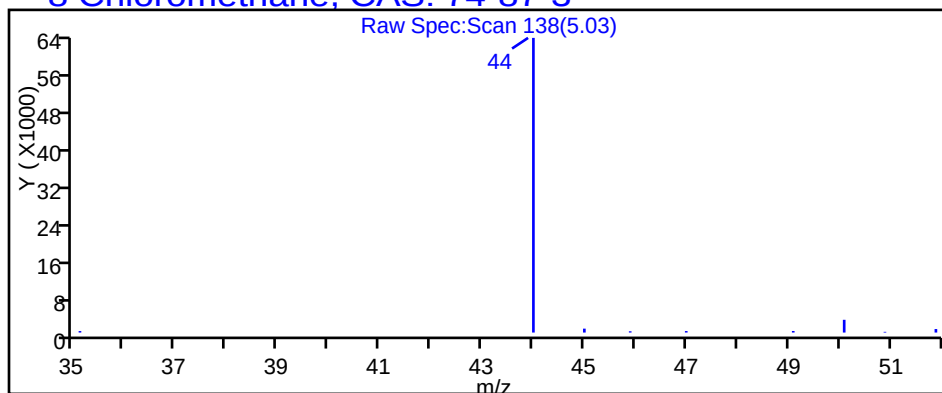
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**8 Chloromethane, CAS: 74-87-3**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

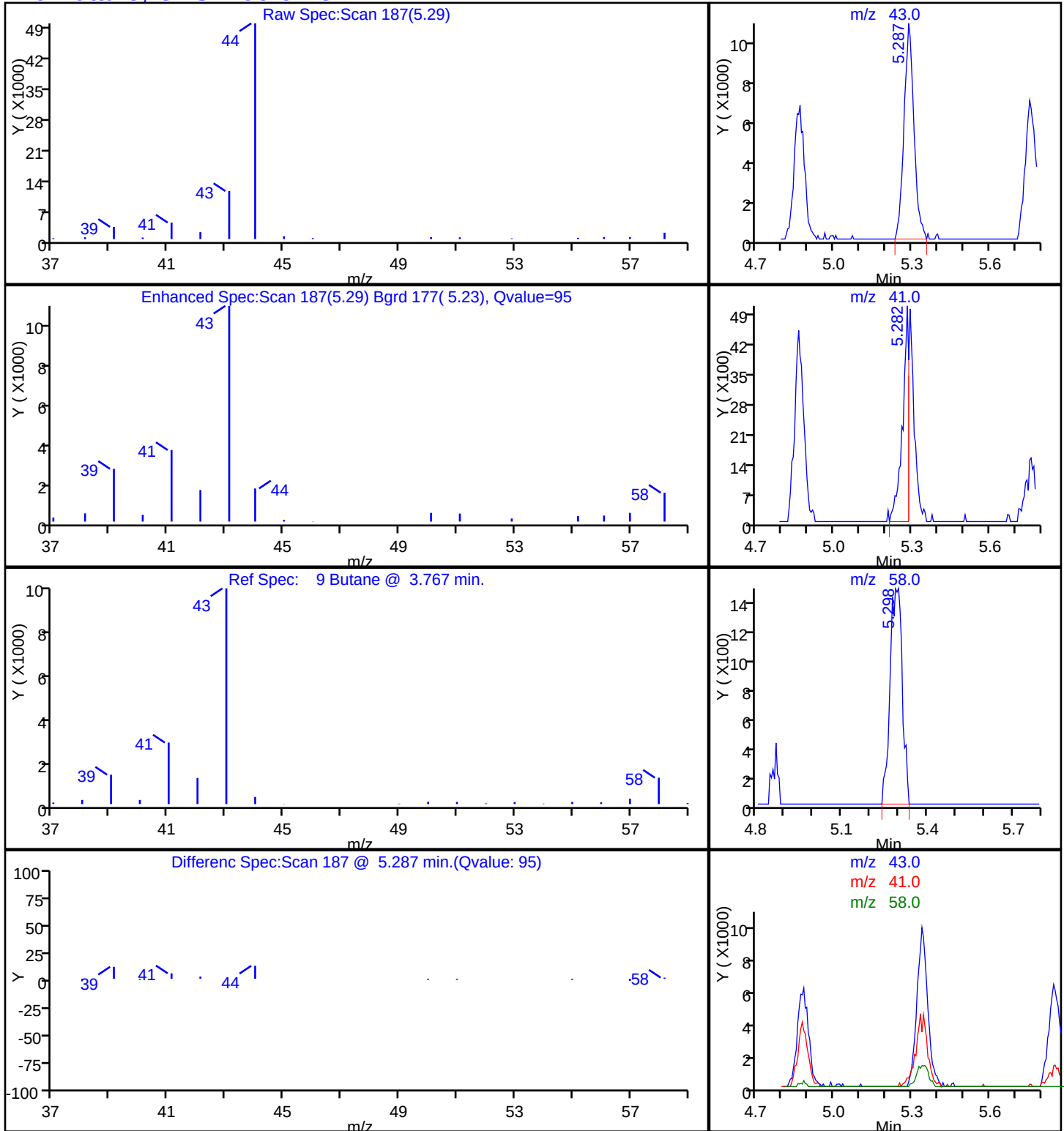
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

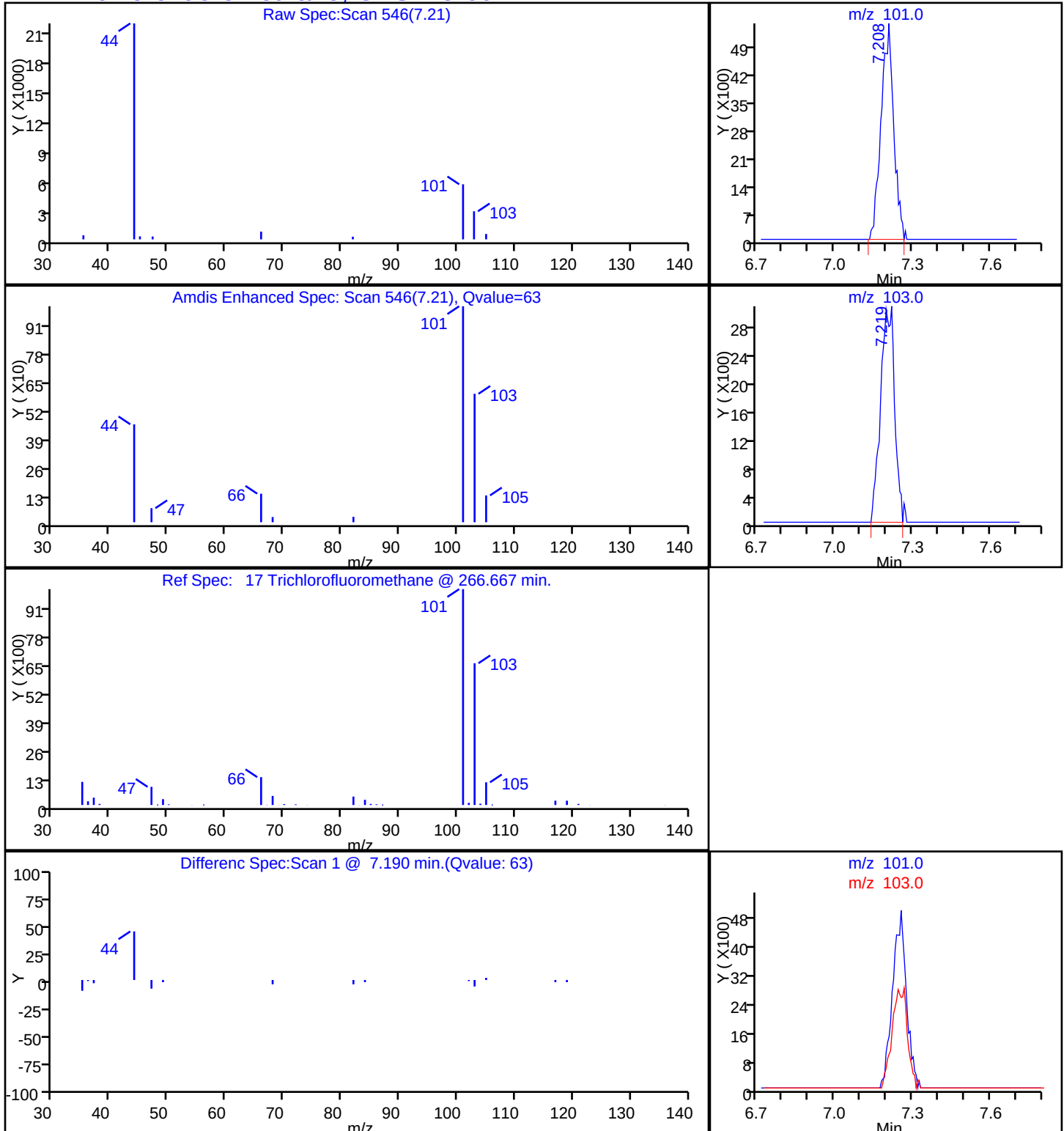
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

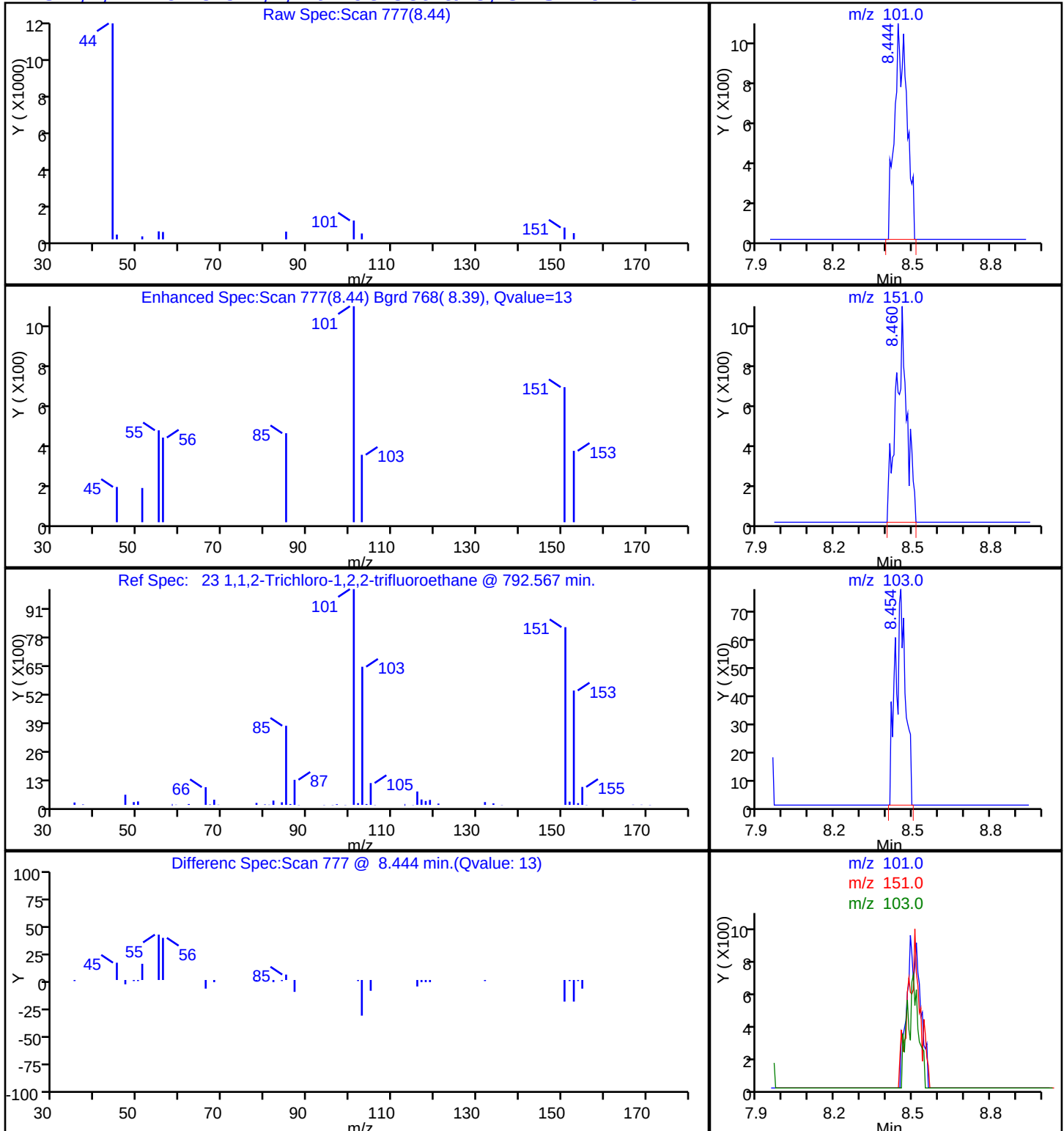
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

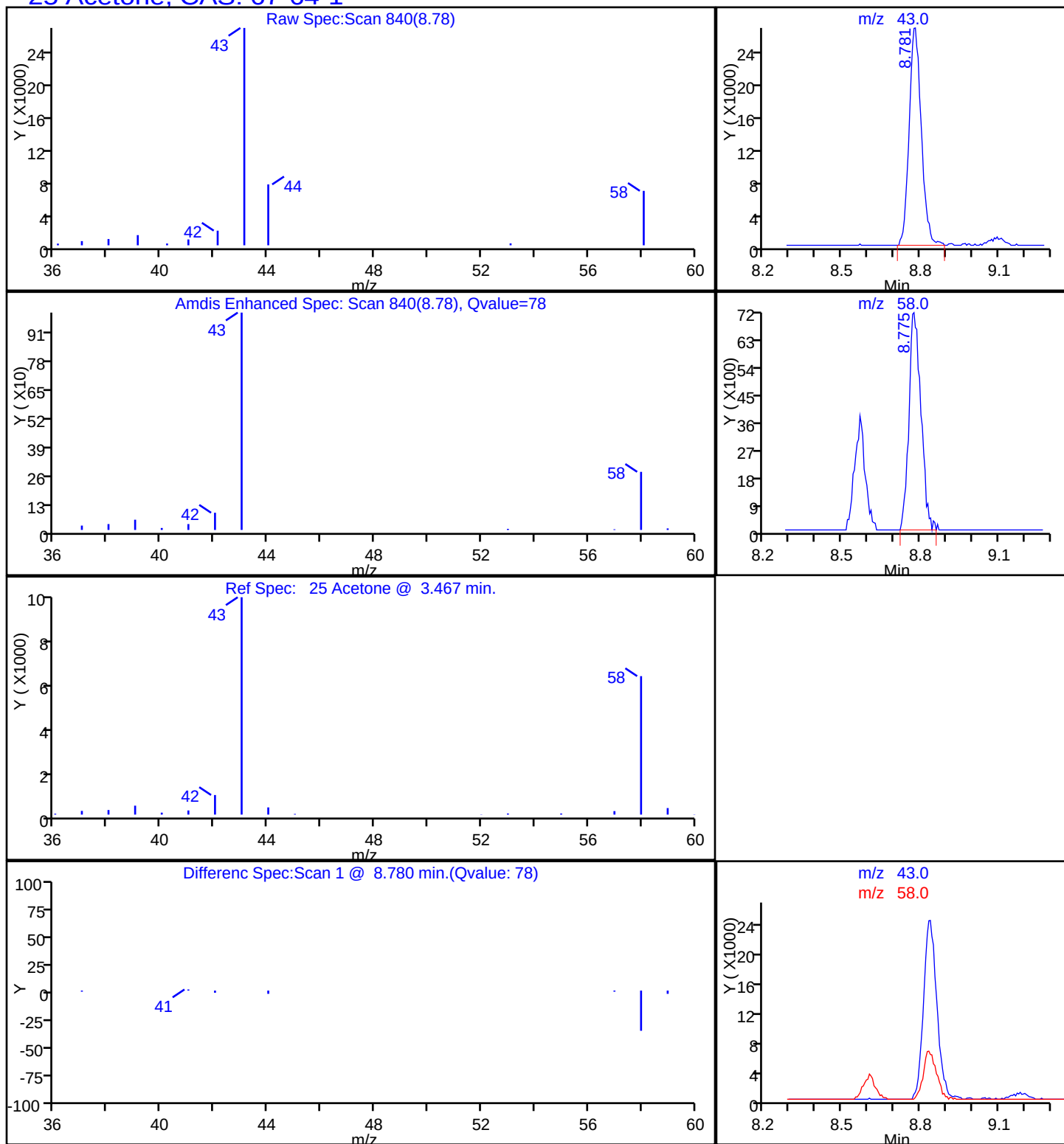
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

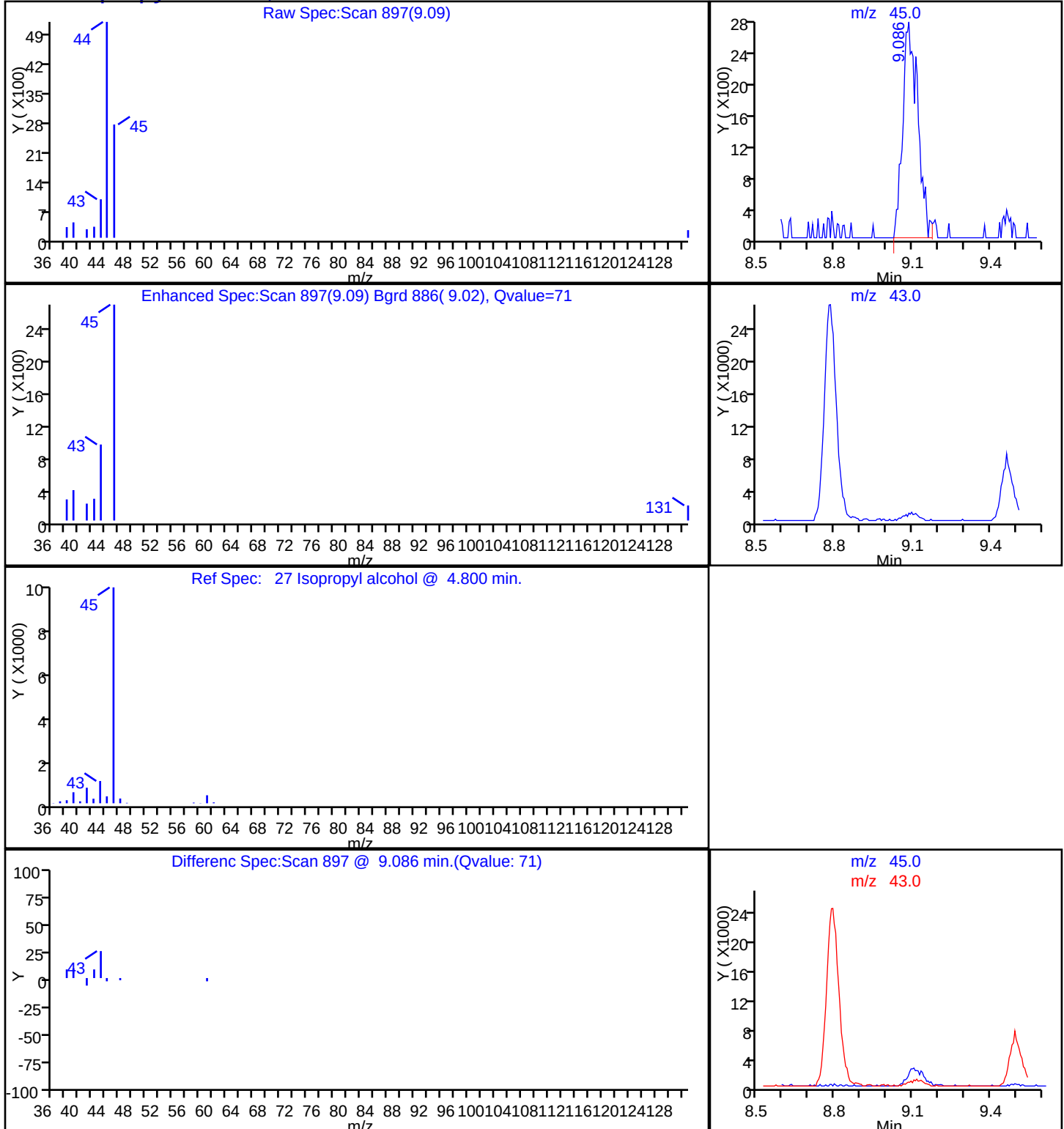
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

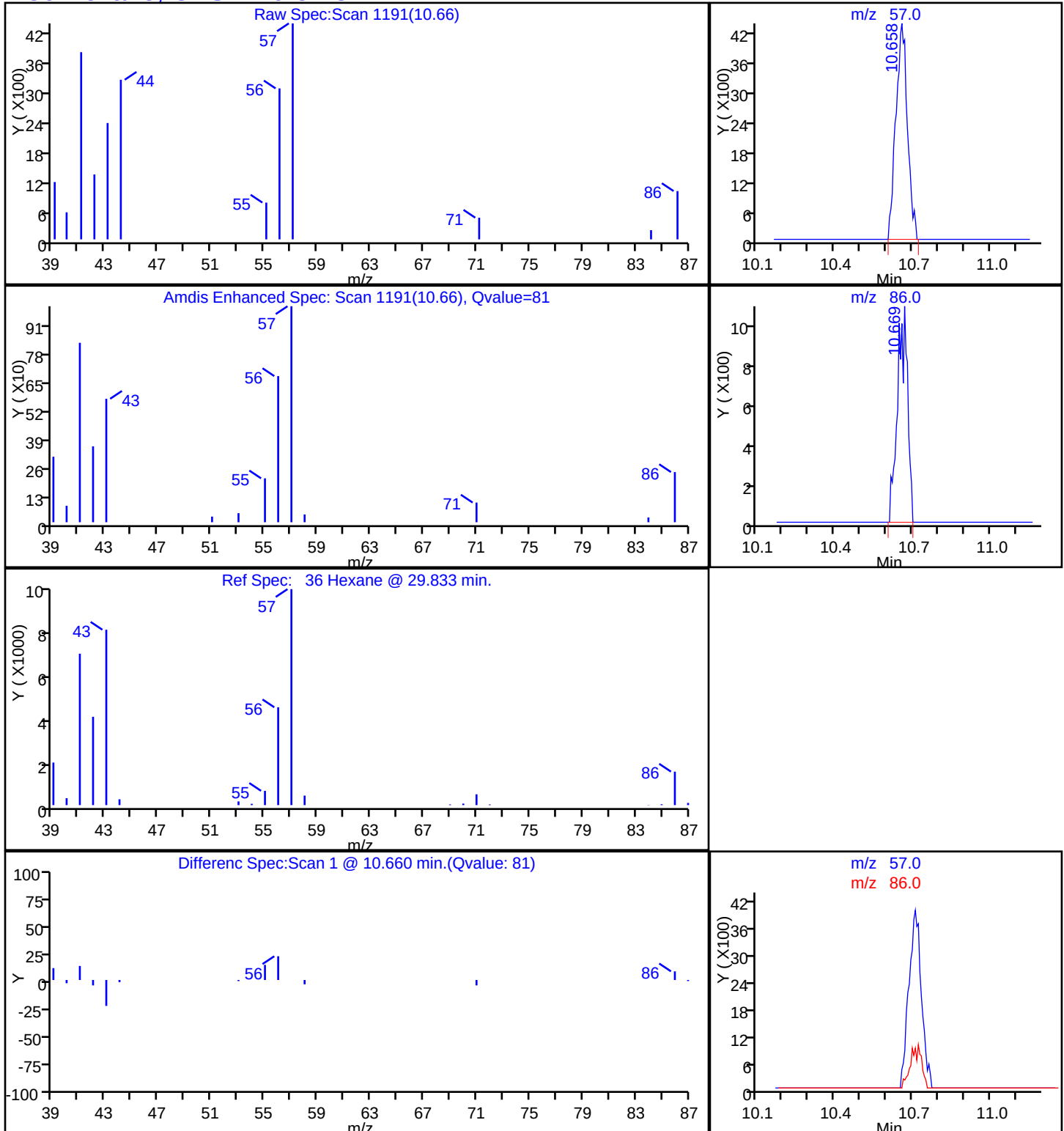
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

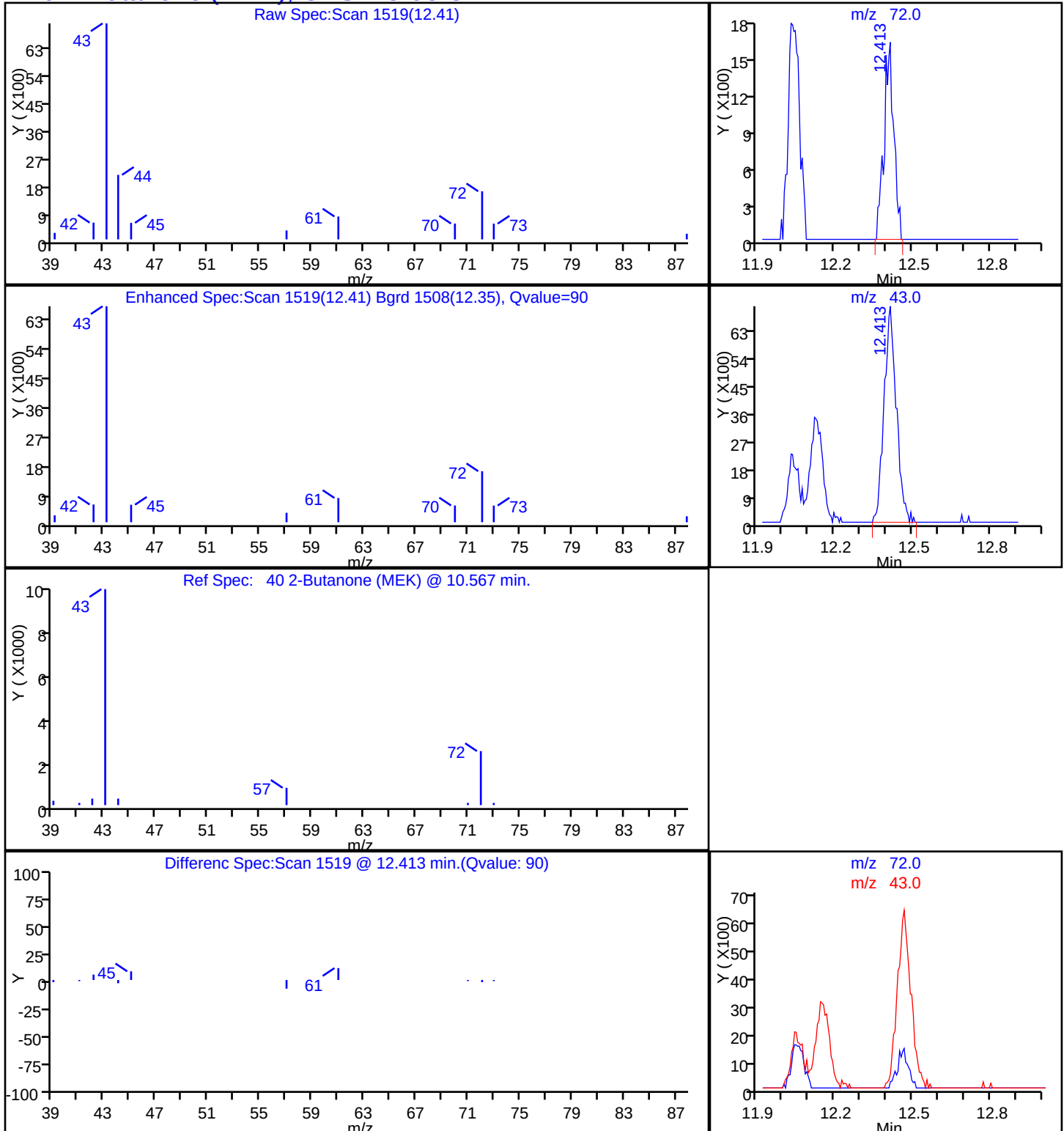
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

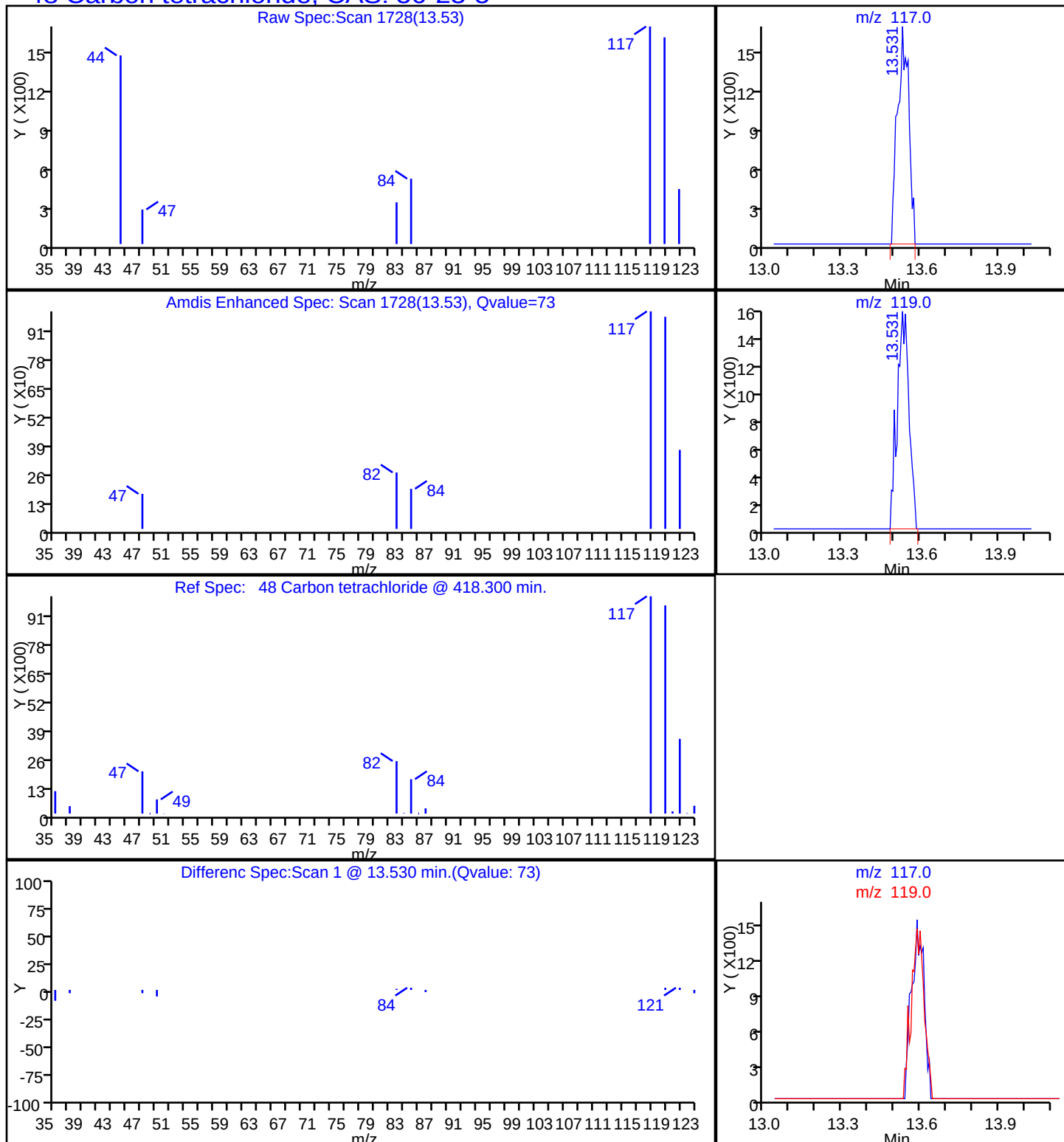
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 48 Carbon tetrachloride, CAS: 56-23-5





## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

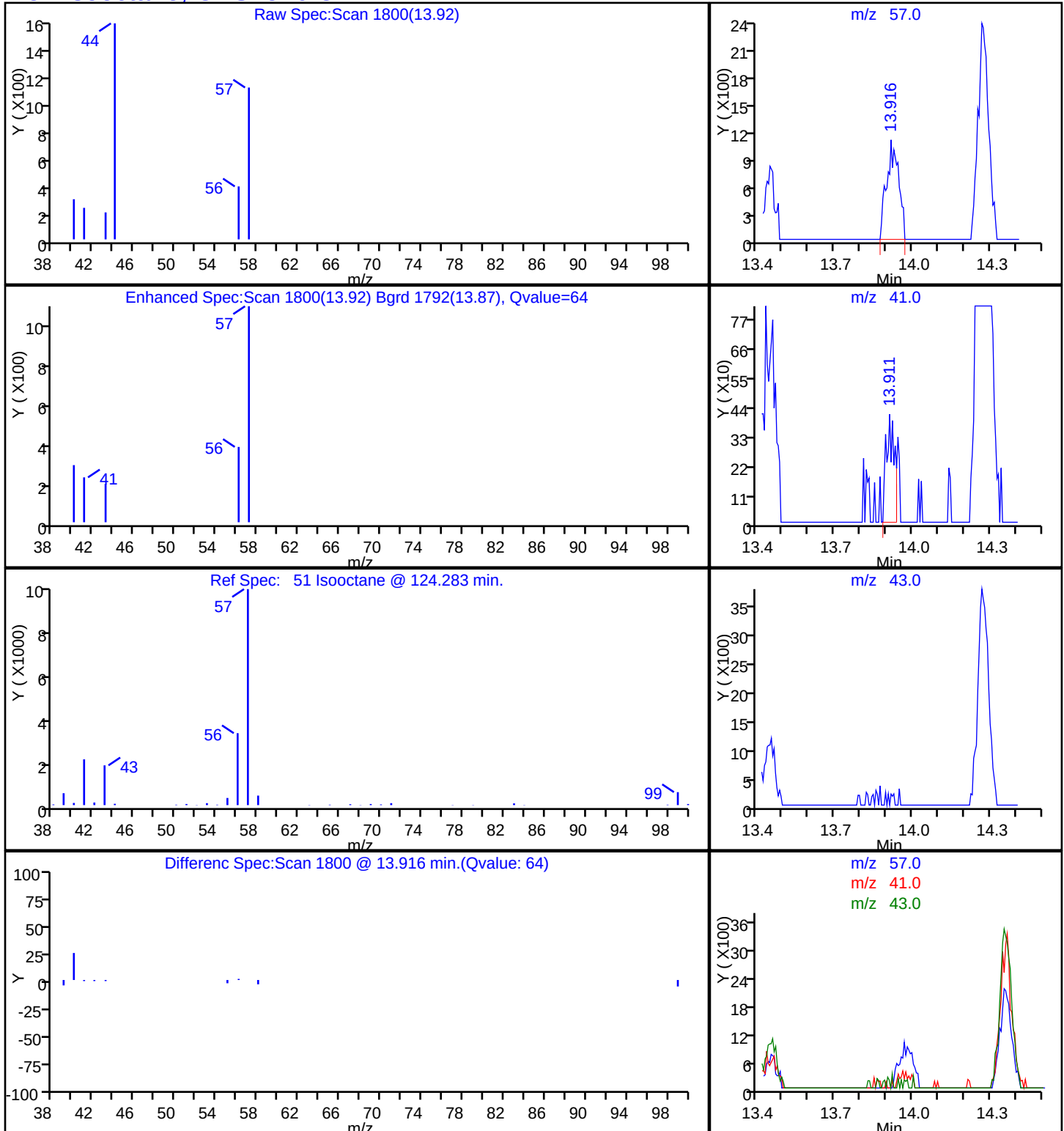
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

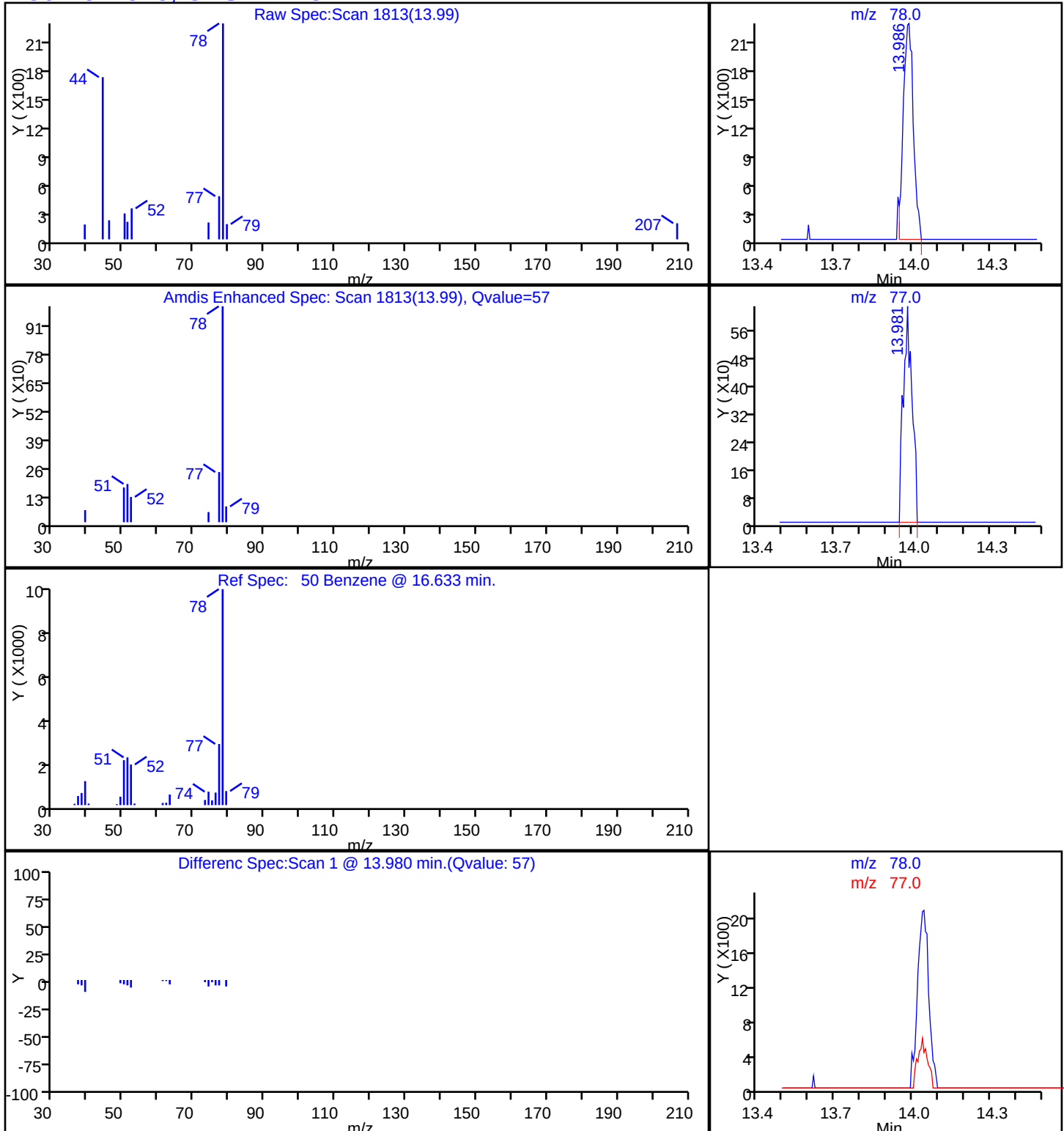
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 50 Benzene, CAS: 71-43-2



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

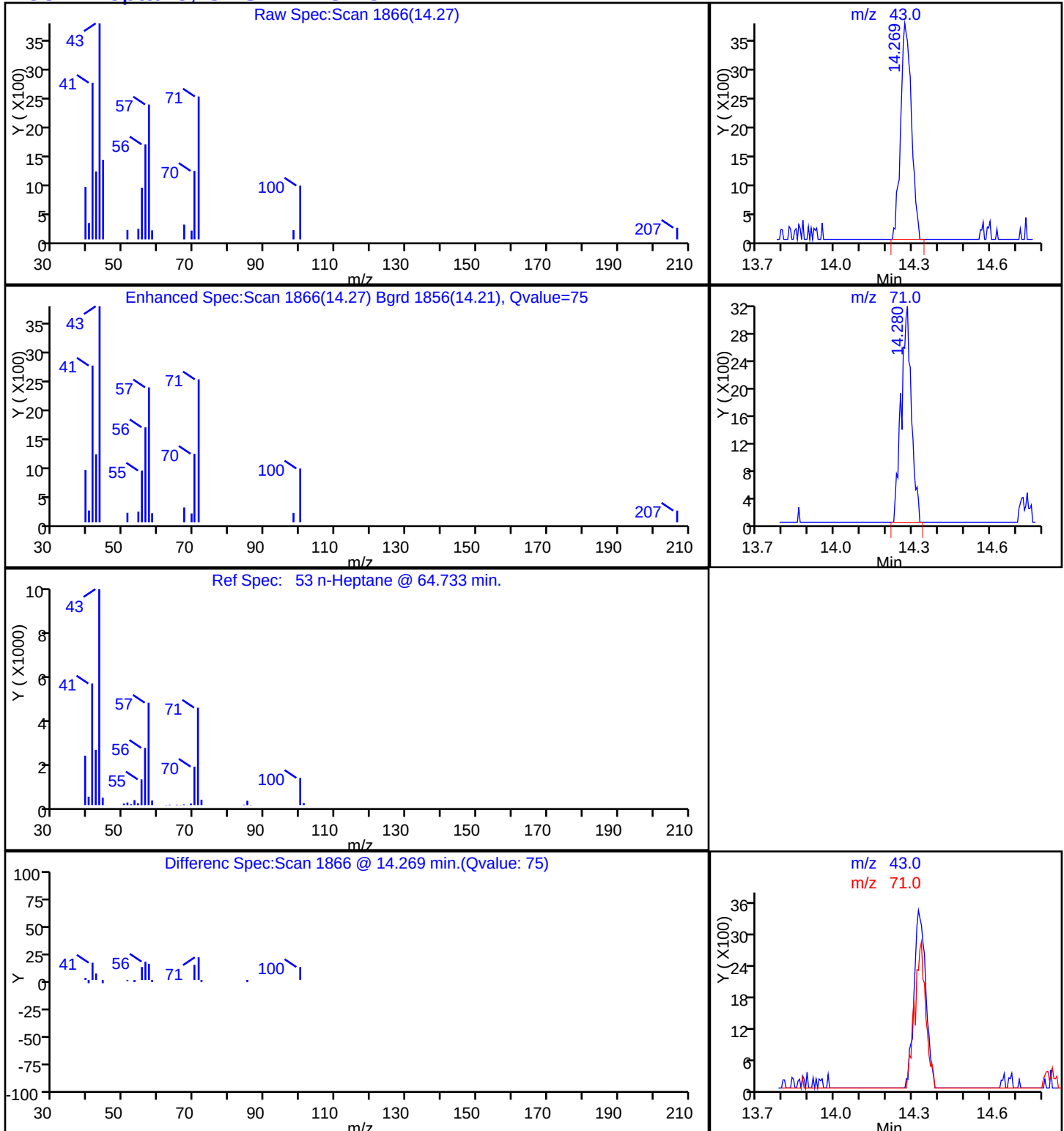
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**53 n-Heptane, CAS: 142-82-5**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

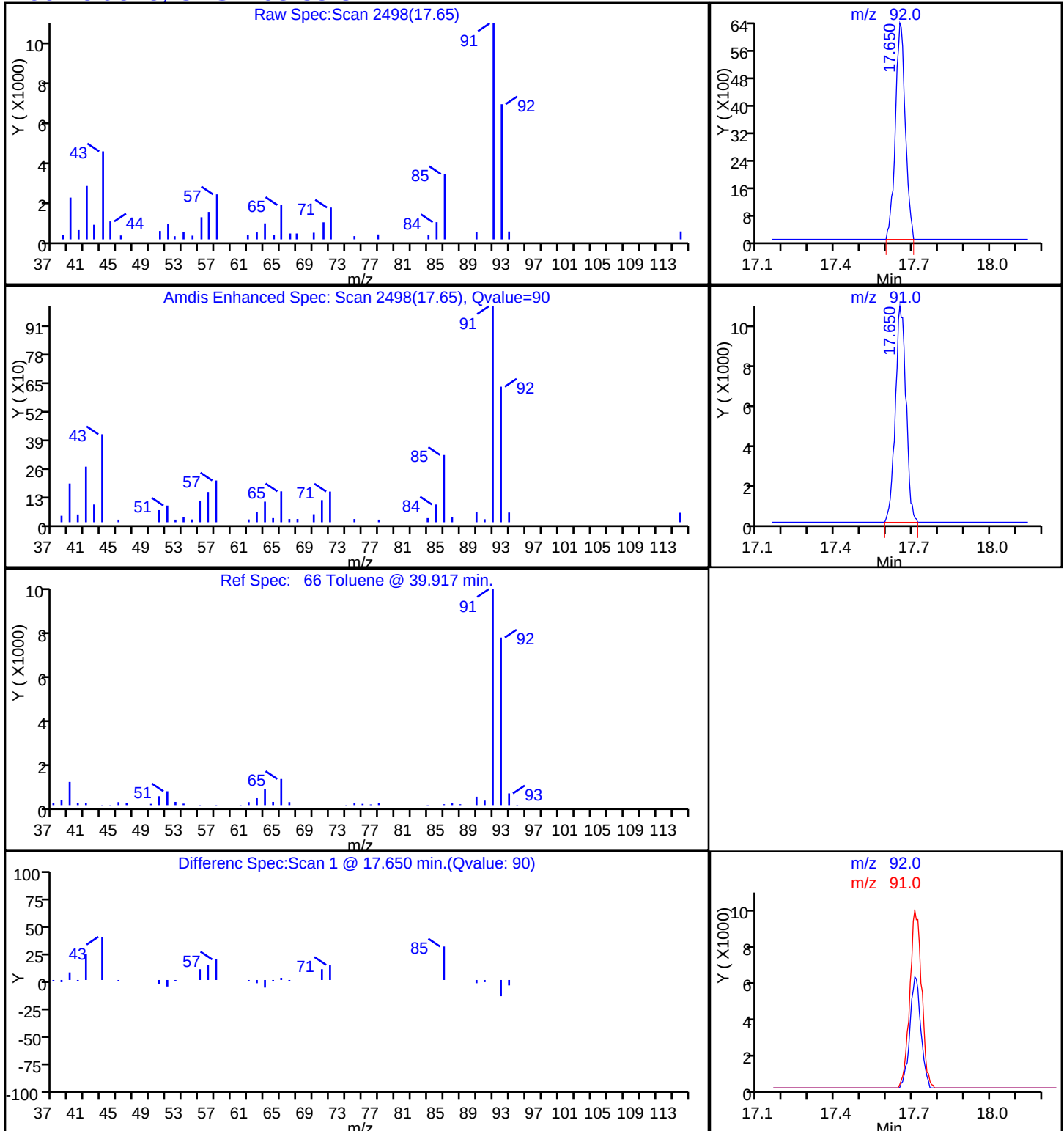
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

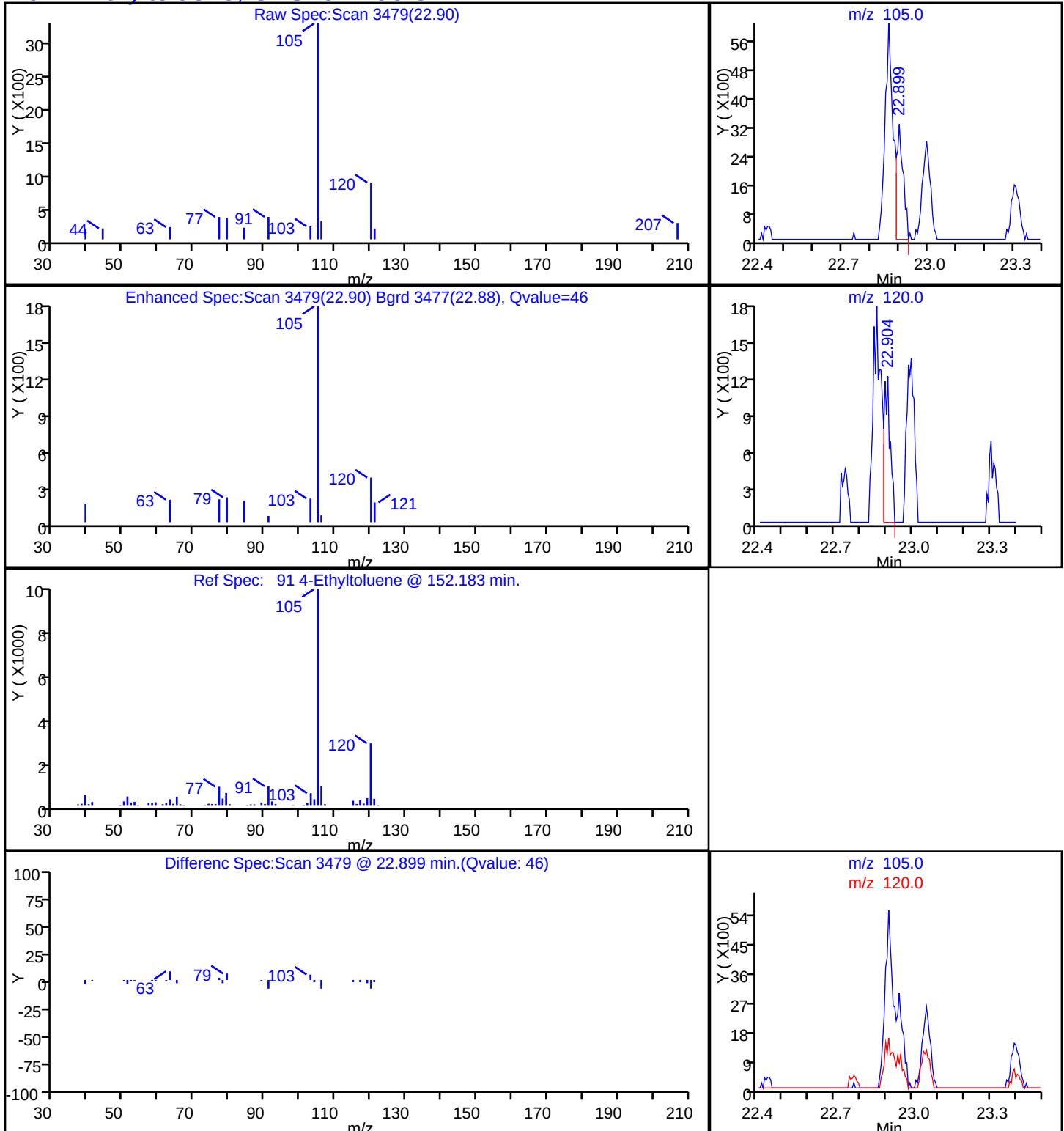
Dil. Factor: 1.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 101OA0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

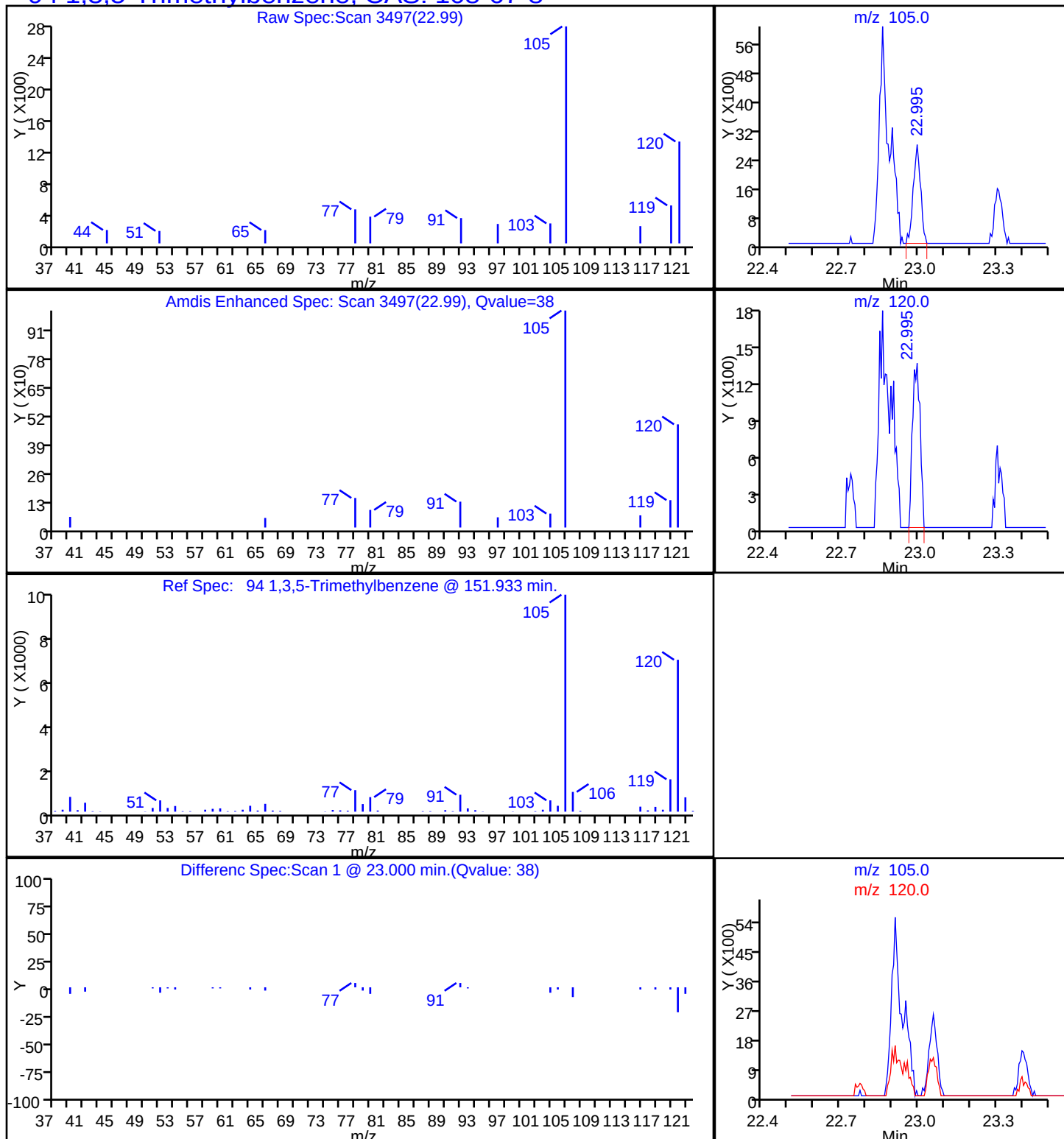
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**94 1,3,5-Trimethylbenzene, CAS: 108-67-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_013.d

Injection Date: 25-Apr-2014 21:44:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-7

Lab Sample ID: 200-54595-7

Client ID: 1010A0305CA

Operator ID: pad

ALS Bottle#: 10

Worklist Smp#: 14

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

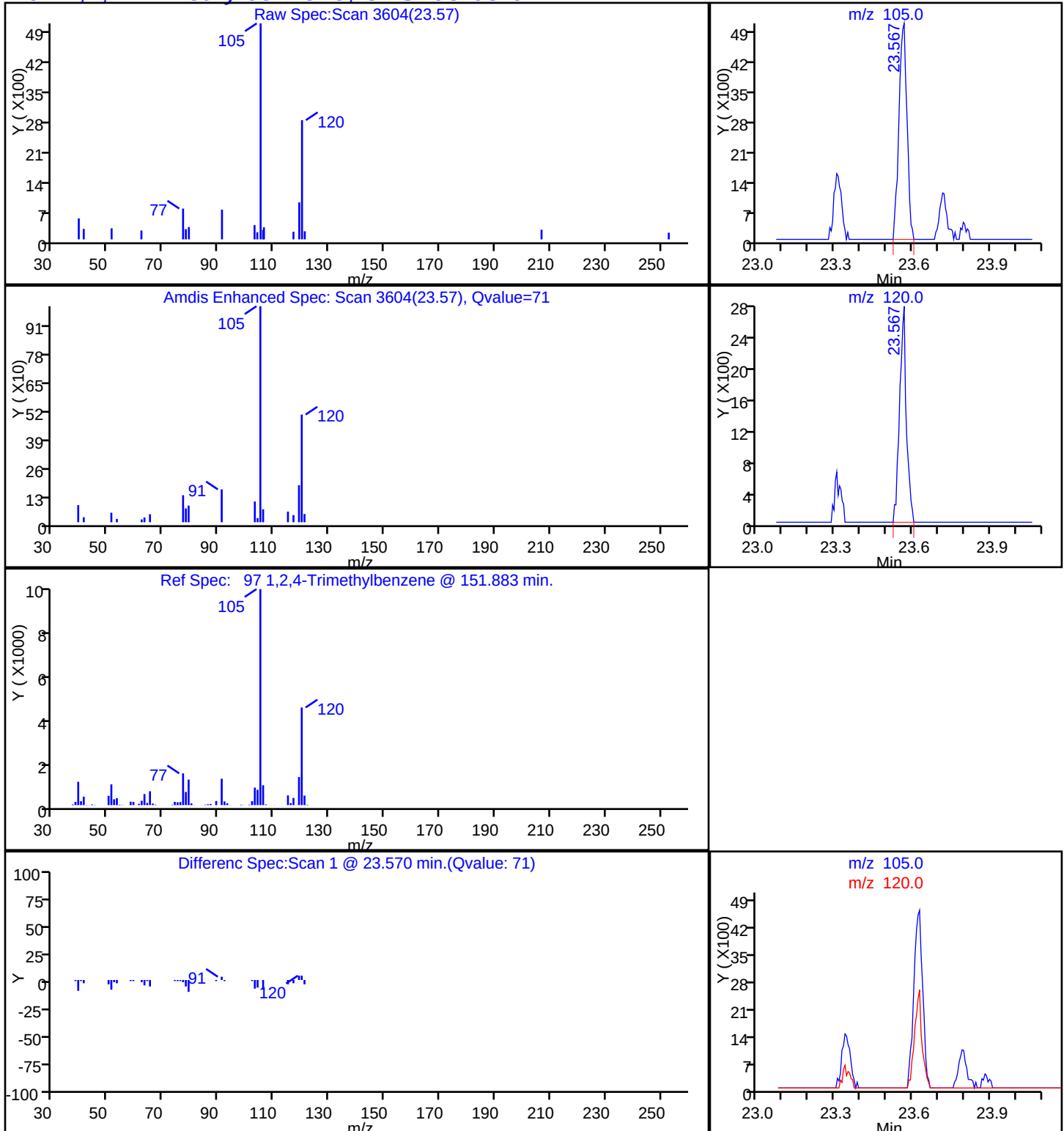
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 97 1,2,4-Trimethylbenzene, CAS: 95-63-6



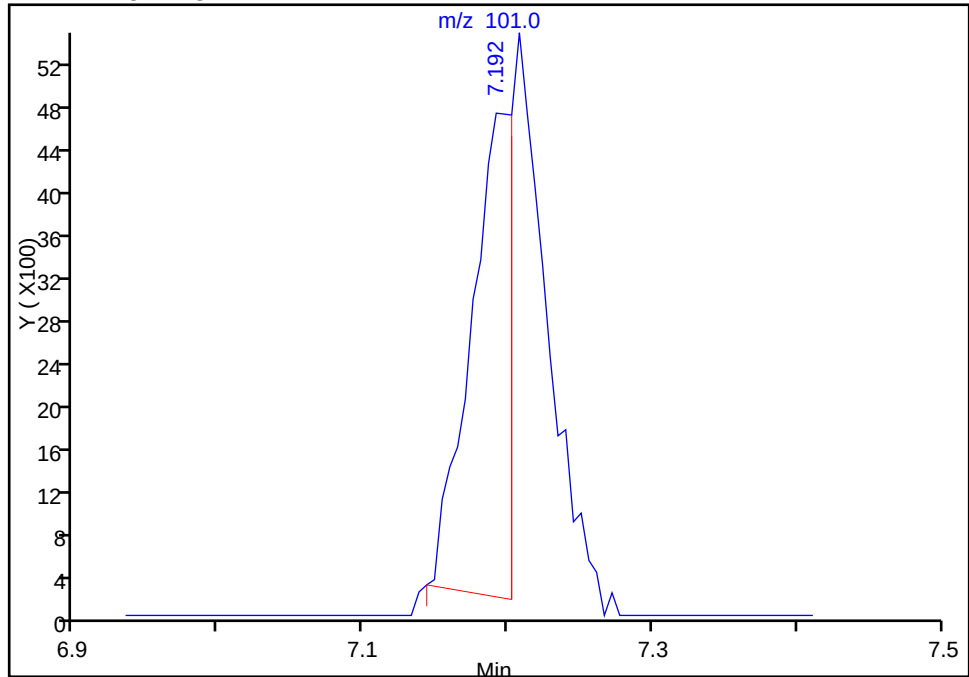
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**17 Trichlorofluoromethane, CAS: 75-69-4**

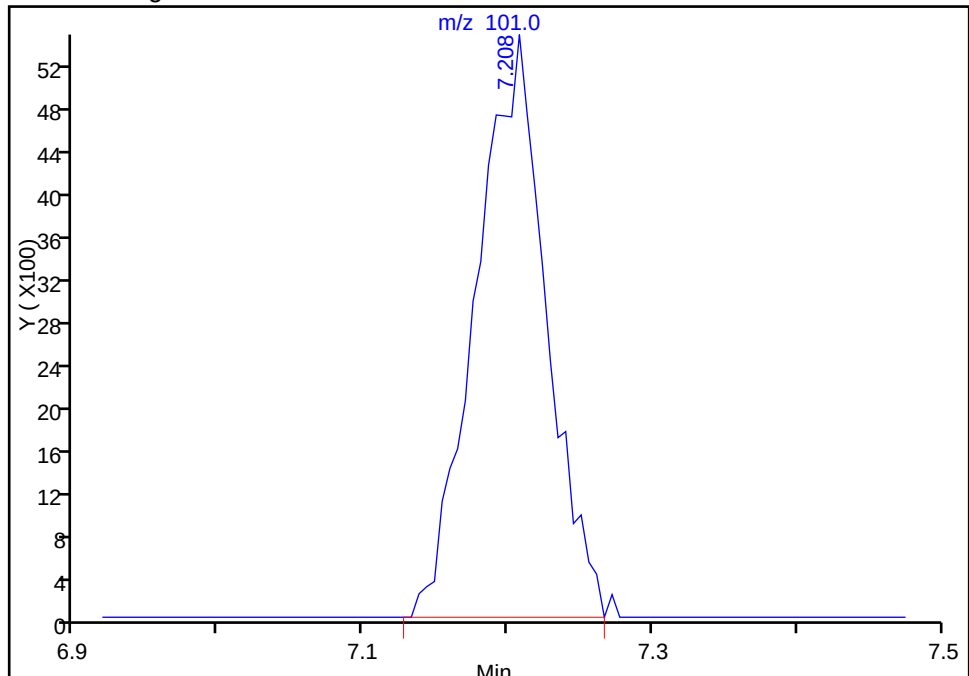
RT: 7.19  
Response: 9273  
Amount: 0.118296

## Processing Integration Results



RT: 7.21  
Response: 18607  
Amount: 0.237370

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



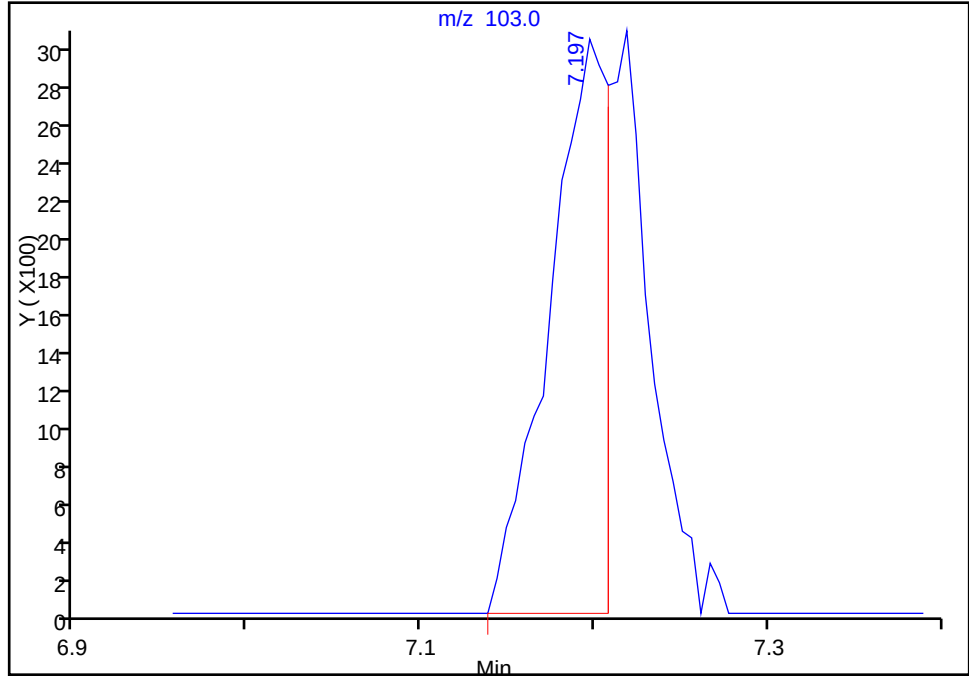
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**17 Trichlorofluoromethane, CAS: 75-69-4**

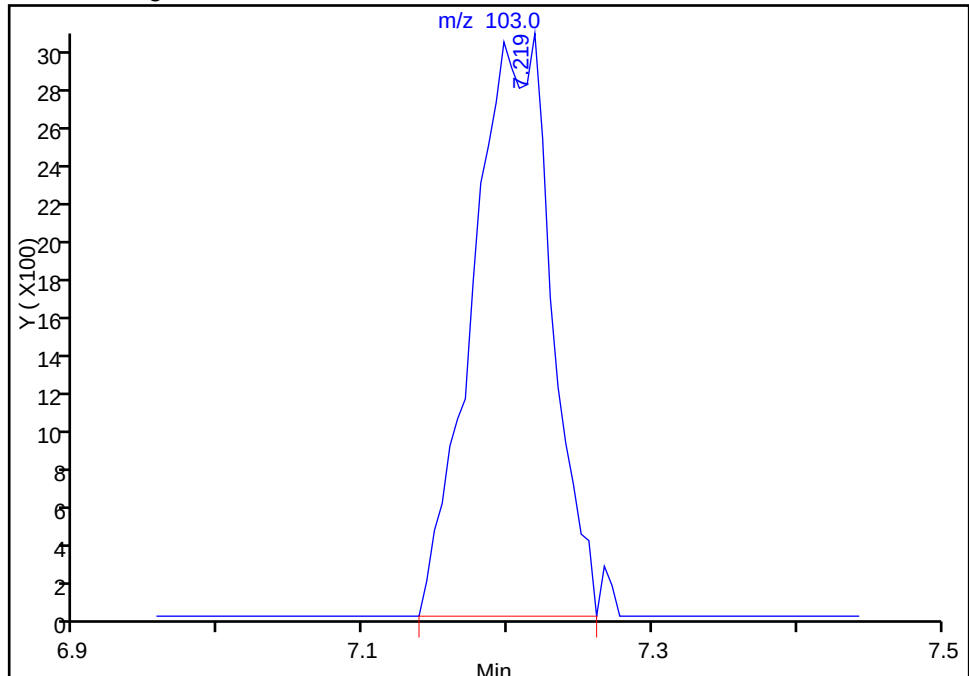
RT: 7.20  
Response: 7179  
Amount: 0.118296

## Processing Integration Results



RT: 7.22  
Response: 11606  
Amount: 0.237370

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34

Audit Action: Manually Integrated

Audit Reason: Baseline Event

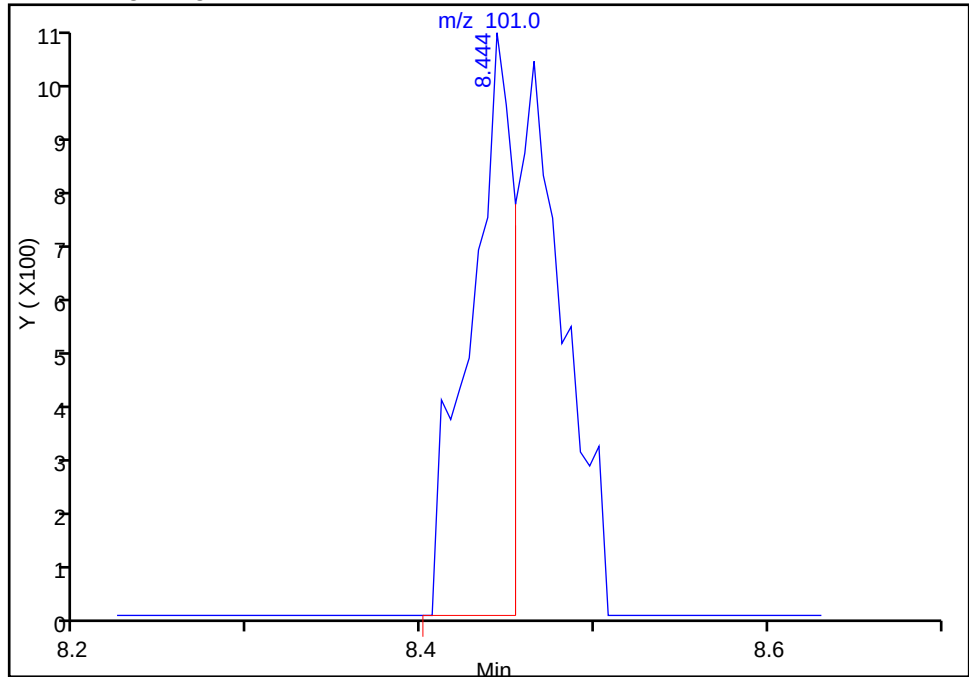
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1**

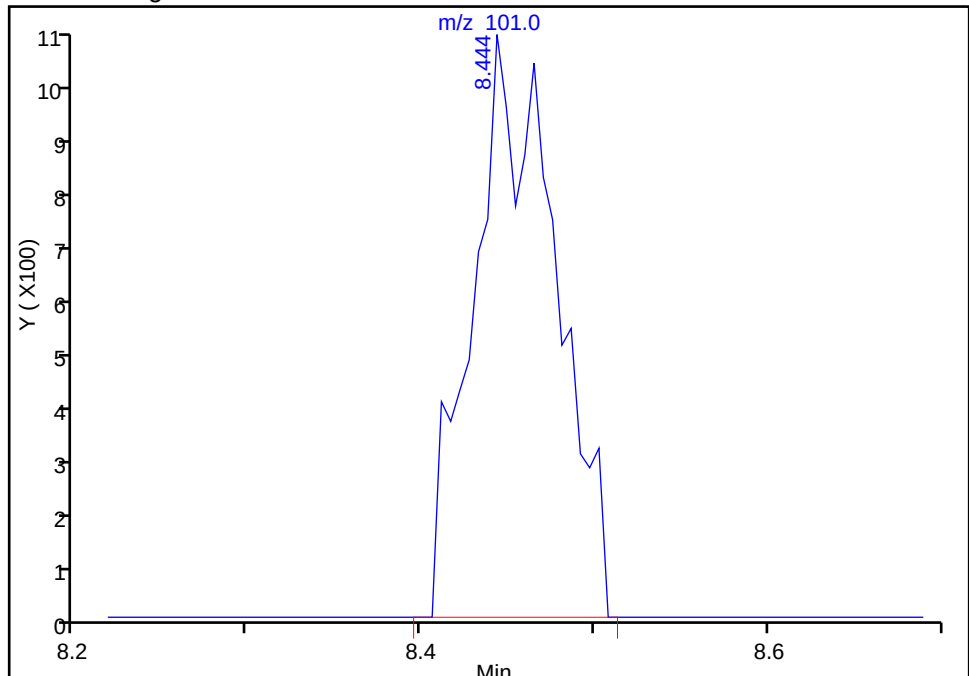
RT: 8.44  
Response: 1814  
Amount: 0.036978

## Processing Integration Results



RT: 8.44  
Response: 3475  
Amount: 0.070837

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

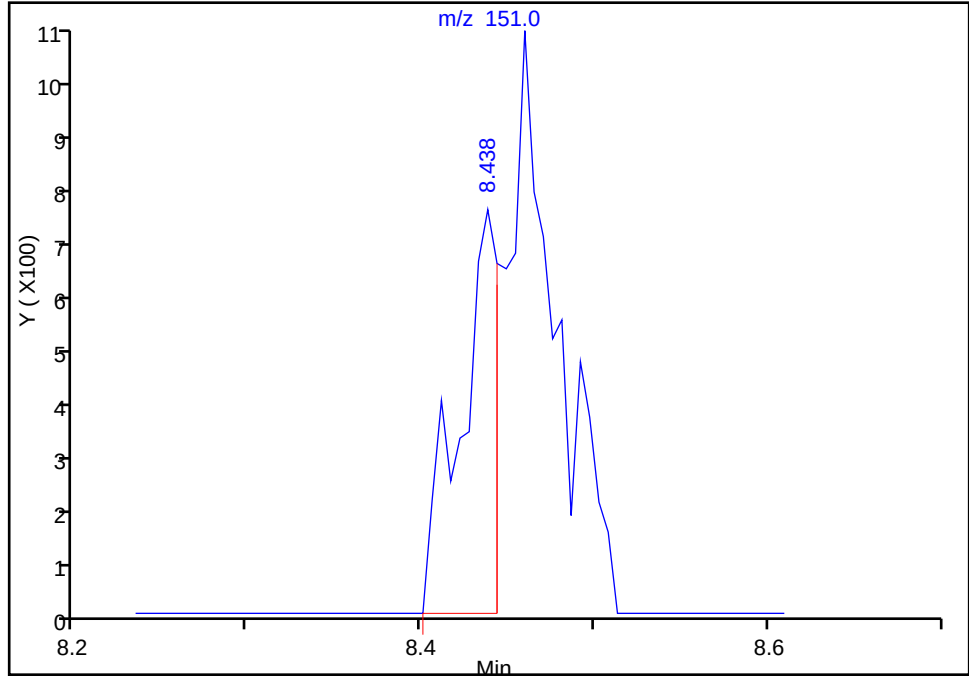
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1**

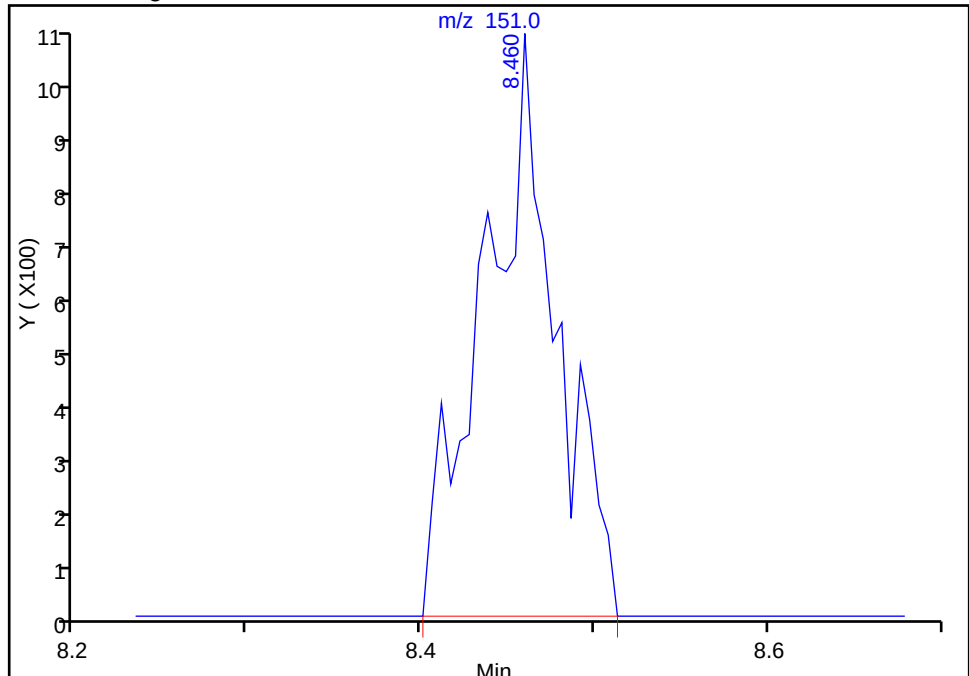
RT: 8.44  
Response: 1147  
Amount: 0.036978

## Processing Integration Results



RT: 8.46  
Response: 3172  
Amount: 0.070837

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

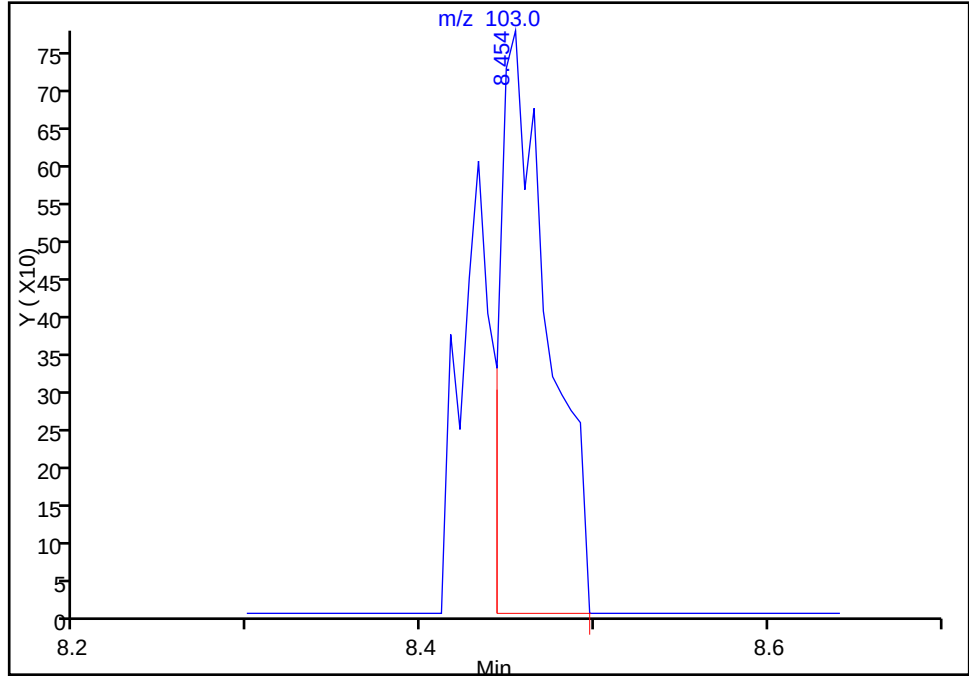
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1**

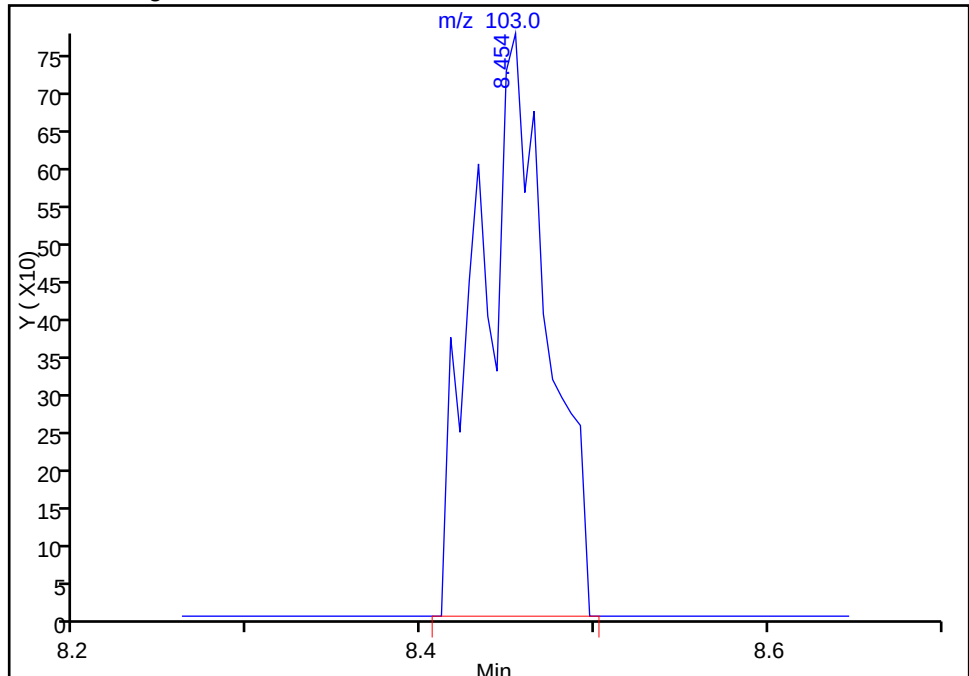
RT: 8.45  
Response: 1470  
Amount: 0.036978

## Processing Integration Results



RT: 8.45  
Response: 2130  
Amount: 0.070837

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

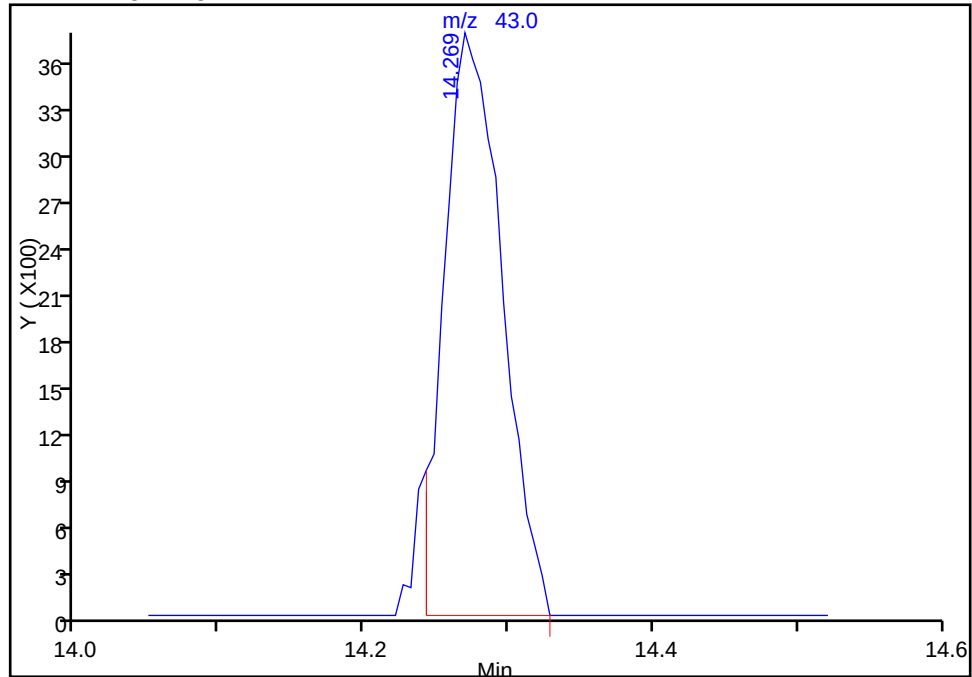
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 101OA0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**53 n-Heptane, CAS: 142-82-5**

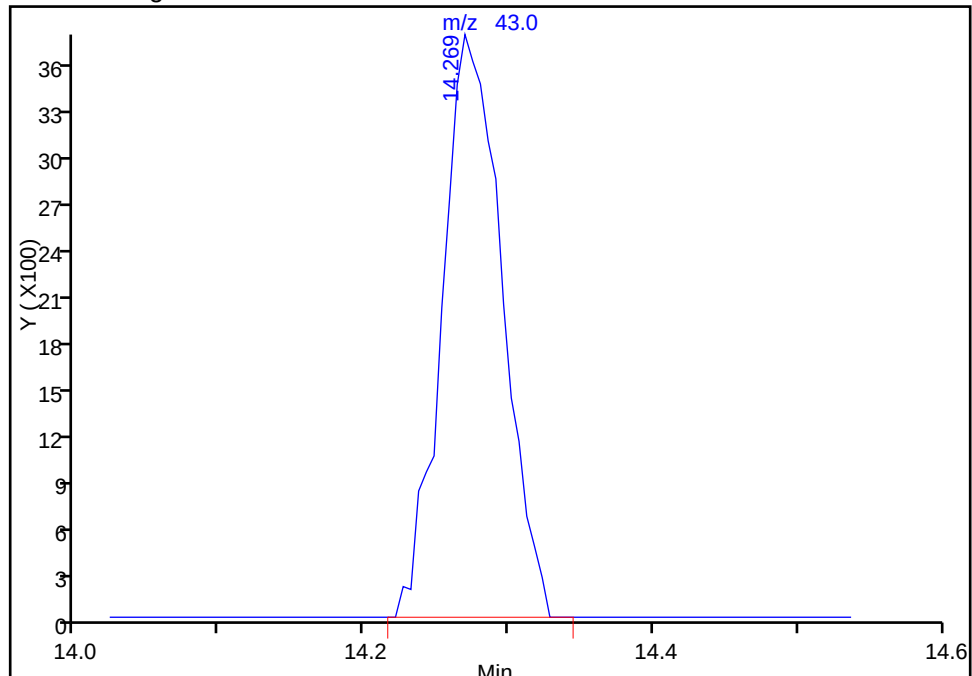
RT: 14.27  
Response: 10618  
Amount: 0.477828

## Processing Integration Results



RT: 14.27  
Response: 11004  
Amount: 0.495199

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

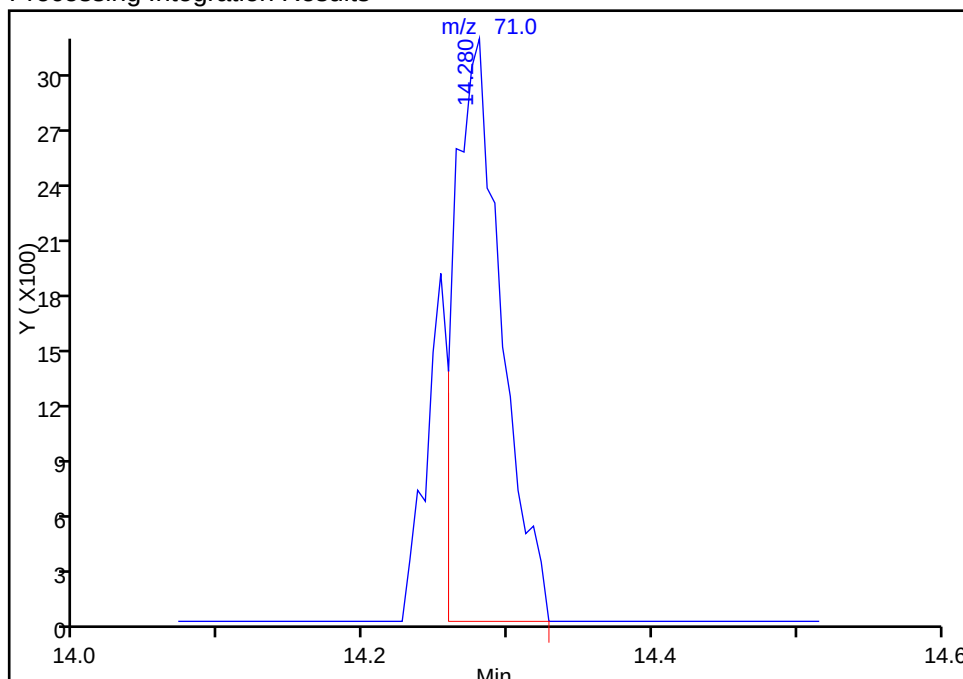
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_013.d |                |              |
| Injection Date: | 25-Apr-2014 21:44:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-7                                          | Lab Sample ID: | 200-54595-7  |
| Client ID:      | 1010A0305CA                                            |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 10           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 14           |

**53 n-Heptane, CAS: 142-82-5**

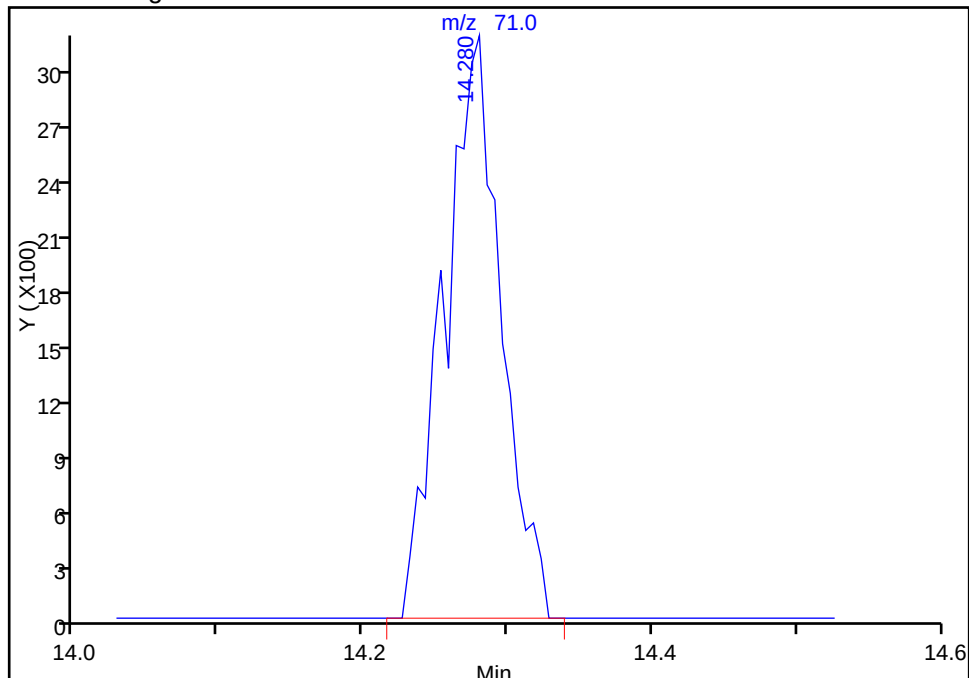
RT: 14.28  
Response: 6965  
Amount: 0.477828

## Processing Integration Results



RT: 14.28  
Response: 8563  
Amount: 0.495199

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:26:34  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8

Matrix: Air Lab File ID: 7223\_014.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:30

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34

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.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.78   |     | 0.50 | 0.030 |
| 75-45-6   | Freon 22                      | 86.47            | 0.43   | J   | 0.50 | 0.048 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.080  | U   | 0.20 | 0.035 |
| 74-87-3   | Chloromethane                 | 50.49            | 0.50   | U   | 0.50 | 0.14  |
| 106-97-8  | n-Butane                      | 58.12            | 0.78   |     | 0.50 | 0.28  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.080  | U   | 0.20 | 0.038 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.080  | U   | 0.20 | 0.042 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.080  | U   | 0.20 | 0.028 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.080  | U   | 0.50 | 0.030 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.080  | U   | 0.20 | 0.030 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.84   |     | 0.20 | 0.030 |
| 76-13-1   | Freon TF                      | 187.38           | 0.14   | J   | 0.20 | 0.018 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.080  | U   | 0.20 | 0.024 |
| 67-64-1   | Acetone                       | 58.08            | 13     |     | 5.0  | 1.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 2.5    | J   | 5.0  | 0.22  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.74   |     | 0.50 | 0.066 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.080  | U   | 0.50 | 0.034 |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.87   |     | 0.50 | 0.13  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 0.50   | U   | 5.0  | 0.33  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.080  | U   | 0.20 | 0.022 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.080  | U   | 0.20 | 0.029 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.080  | J   | 0.20 | 0.034 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.080  | U   | 0.20 | 0.038 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 1.1    |     | 0.50 | 0.24  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.080  | U   | 0.20 | 0.038 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.080  | U   | 0.20 | 0.064 |
| 67-66-3   | Chloroform                    | 119.38           | 15     |     | 0.20 | 0.025 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.080  | U   | 5.0  | 0.046 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.48   |     | 0.20 | 0.021 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.080  | U   | 0.20 | 0.025 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.54   |     | 0.20 | 0.021 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.24   |     | 0.20 | 0.027 |
| 71-43-2   | Benzene                       | 78.11            | 0.12   | J M | 0.20 | 0.019 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.030  | U   | 0.20 | 0.017 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8

Matrix: Air Lab File ID: 7223\_014.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:30

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34

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.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL     |
|-------------|----------------------------------|------------------|--------|-----|------|--------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.080  | U   | 0.20 | 0.046  |
| 79-01-6     | Trichloroethene                  | 131.39           | 8.4    |     | 0.20 | 0.024  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.080  | U   | 0.50 | 0.030  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.080  | U   | 0.20 | 0.032  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.20   | U   | 5.0  | 0.20   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.095  | J M | 0.20 | 0.017  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.080  | U   | 0.20 | 0.028  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.14   | J   | 0.50 | 0.027  |
| 108-88-3    | Toluene                          | 92.14            | 0.80   |     | 0.20 | 0.017  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.080  | U   | 0.20 | 0.022  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.030  | U   | 0.20 | 0.017  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 2.1    |     | 0.20 | 0.016  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.20   | U   | 0.50 | 0.20   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.030  | U   | 0.20 | 0.020  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.080  | U   | 0.20 | 0.020  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.030  | U   | 0.20 | 0.0081 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.10   | J   | 0.20 | 0.013  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.49   | J   | 0.50 | 0.023  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.18   | J   | 0.20 | 0.016  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.67   |     | 0.20 | 0.034  |
| 100-42-5    | Styrene                          | 104.15           | 0.030  | U   | 0.20 | 0.018  |
| 75-25-2     | Bromoform                        | 252.75           | 0.030  | U   | 0.20 | 0.010  |
| 98-82-8     | Cumene                           | 120.19           | 0.018  | J   | 0.20 | 0.016  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.030  | U   | 0.20 | 0.016  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.080  | U   | 0.20 | 0.080  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.070  | J   | 0.20 | 0.018  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.075  | J   | 0.20 | 0.012  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.030  | U   | 0.20 | 0.013  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.030  | U   | 0.20 | 0.017  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.22   |     | 0.20 | 0.014  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.080  | U   | 0.20 | 0.080  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.080  | U   | 0.20 | 0.080  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.030  | U   | 0.20 | 0.014  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.030  | U   | 0.20 | 0.014  |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8  
Matrix: Air Lab File ID: 7223\_014.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:30  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34  
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.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.080  | U | 0.20 | 0.080 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.080  | U | 0.20 | 0.080 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.030  | U | 0.20 | 0.014 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.080  | U | 0.50 | 0.027 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.080  | U | 0.20 | 0.022 |
| 91-20-3  | Naphthalene            | 128.17           | 0.20   | U | 0.50 | 0.20  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8

Matrix: Air Lab File ID: 7223\_014.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:30

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34

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.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|-----|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 3.8    |     | 2.5  | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 1.5    | J   | 1.8  | 0.17  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.56   | U   | 1.4  | 0.24  |
| 74-87-3   | Chloromethane                 | 50.49            | 1.0    | U   | 1.0  | 0.28  |
| 106-97-8  | n-Butane                      | 58.12            | 1.8    |     | 1.2  | 0.67  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.20   | U   | 0.51 | 0.097 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.18   | U   | 0.44 | 0.093 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.31   | U   | 0.78 | 0.11  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.21   | U   | 1.3  | 0.079 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.35   | U   | 0.87 | 0.13  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 4.7    |     | 1.1  | 0.17  |
| 76-13-1   | Freon TF                      | 187.38           | 1.1    | J   | 1.5  | 0.14  |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.32   | U   | 0.79 | 0.095 |
| 67-64-1   | Acetone                       | 58.08            | 31     |     | 12   | 3.0   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 6.2    | J   | 12   | 0.53  |
| 75-15-0   | Carbon disulfide              | 76.14            | 2.3    |     | 1.6  | 0.21  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.25   | U   | 1.6  | 0.11  |
| 75-09-2   | Methylene Chloride            | 84.93            | 3.0    |     | 1.7  | 0.43  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 1.5    | U   | 15   | 0.99  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.29   | U   | 0.72 | 0.079 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.32   | U   | 0.79 | 0.11  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.28   | J   | 0.70 | 0.12  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.32   | U   | 0.81 | 0.15  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 3.2    |     | 1.5  | 0.71  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.32   | U   | 0.79 | 0.15  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.32   | U   | 0.79 | 0.25  |
| 67-66-3   | Chloroform                    | 119.38           | 73     |     | 0.98 | 0.12  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.24   | U   | 15   | 0.14  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 2.6    |     | 1.1  | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.28   | U   | 0.69 | 0.086 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 3.4    |     | 1.3  | 0.13  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 1.1    |     | 0.93 | 0.13  |
| 71-43-2   | Benzene                       | 78.11            | 0.38   | J M | 0.64 | 0.061 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.12   | U   | 0.81 | 0.069 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8

Matrix: Air Lab File ID: 7223\_014.d

Analysis Method: TO-15 Date Collected: 04/15/2014 14:30

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34

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.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|-----|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.33   | U   | 0.82 | 0.19  |
| 79-01-6     | Trichloroethene                  | 131.39           | 45     |     | 1.1  | 0.13  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.33   | U   | 2.0  | 0.12  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.37   | U   | 0.92 | 0.15  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.72   | U   | 18   | 0.72  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.63   | J M | 1.3  | 0.11  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.36   | U   | 0.91 | 0.13  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.58   | J   | 2.0  | 0.11  |
| 108-88-3    | Toluene                          | 92.14            | 3.0    |     | 0.75 | 0.064 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.36   | U   | 0.91 | 0.10  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.16   | U   | 1.1  | 0.093 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 14     |     | 1.4  | 0.11  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.82   | U   | 2.0  | 0.82  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.26   | U   | 1.7  | 0.17  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.61   | U   | 1.5  | 0.15  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.14   | U   | 0.92 | 0.037 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.45   | J   | 0.87 | 0.056 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 2.1    | J   | 2.2  | 0.10  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.77   | J   | 0.87 | 0.069 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 2.9    |     | 0.87 | 0.15  |
| 100-42-5    | Styrene                          | 104.15           | 0.13   | U   | 0.85 | 0.077 |
| 75-25-2     | Bromoform                        | 252.75           | 0.31   | U   | 2.1  | 0.10  |
| 98-82-8     | Cumene                           | 120.19           | 0.090  | J   | 0.98 | 0.079 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.21   | U   | 1.4  | 0.11  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.39   | U   | 0.98 | 0.39  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.35   | J   | 0.98 | 0.088 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.37   | J   | 0.98 | 0.059 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.16   | U   | 1.0  | 0.067 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.16   | U   | 1.1  | 0.093 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 1.1    |     | 0.98 | 0.069 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.44   | U   | 1.1  | 0.44  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.44   | U   | 1.1  | 0.44  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.18   | U   | 1.2  | 0.084 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.18   | U   | 1.2  | 0.084 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 101CA01CA Lab Sample ID: 280-54595-8  
Matrix: Air Lab File ID: 7223\_014.d  
Analysis Method: TO-15 Date Collected: 04/15/2014 14:30  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 22:34  
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.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.41   | U | 1.0 | 0.41  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.44   | U | 1.1 | 0.44  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.18   | U | 1.2 | 0.084 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.59   | U | 3.7 | 0.20  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.85   | U | 2.1 | 0.23  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.6 | 1.0   |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d  
 Lims ID: 280-54595-A-8 Lab Sample ID: 200-54595-8  
 Client ID: 101CA01CA  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 22:34:30 ALS Bottle#: 11 Worklist Smp#: 15  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-015  
 Misc. Info.: 280-54595-A-8  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:31:51 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 12:28:41

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 2 Dichlorodifluoromethane      | 85  | 4.479     | 4.474         | 0.005         | 98 | 42258    | 0.7781            |       |
| 6 Chlorodifluoromethane        | 51  | 4.544     | 4.544         | 0.000         | 70 | 8797     | 0.4276            |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |           | 4.827         |               |    |          |                   |       |
| 8 Chloromethane                | 50  |           | 5.025         |               |    |          |                   |       |
| 9 Butane                       | 43  | 5.293     | 5.287         | 0.005         | 81 | 11751    | 0.7758            |       |
| 10 Vinyl chloride              | 62  |           | 5.341         |               |    |          |                   |       |
| 11 Butadiene                   | 54  |           | 5.448         |               |    |          |                   |       |
| 12 Bromomethane                | 94  |           | 6.314         |               |    |          |                   |       |
| 14 Chloroethane                | 64  |           | 6.587         |               |    |          |                   |       |
| 16 Vinyl bromide               | 106 |           | 7.074         |               |    |          |                   |       |
| 17 Trichlorofluoromethane      | 101 | 7.224     | 7.186         | 0.038         | 93 | 51075    | 0.8391            |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 | 8.454     | 8.428         | 0.026         | 61 | 5424     | 0.1424            |       |
| 24 1,1-Dichloroethene          | 96  |           | 8.508         |               |    |          |                   |       |
| 25 Acetone                     | 43  | 8.770     | 8.743         | 0.027         | 85 | 226243   | 13.1              |       |
| 26 Carbon disulfide            | 76  | 9.027     | 9.000         | 0.027         | 99 | 28118    | 0.7440            |       |
| 27 Isopropyl alcohol           | 45  | 9.064     | 9.043         | 0.021         | 89 | 36278    | 2.51              |       |
| 29 3-Chloro-1-propene          | 41  |           | 9.396         |               |    |          |                   |       |
| 31 Methylene Chloride          | 49  | 9.760     | 9.722         | 0.038         | 66 | 10398    | 0.8661            |       |
| 32 2-Methyl-2-propanol         | 59  |           | 9.909         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether     | 73  |           | 10.155        |               |    |          |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200        |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225        |               |    |          |                   |       |
| 36 Hexane                      | 57  | 10.658    | 10.642        | 0.016         | 6  | 1327     | 0.0798            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188        |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370        |               |    |          |                   |       |
| 40 2-Butanone (MEK)            | 72  | 12.392    | 12.392        | 0.000         | 90 | 7953     | 1.09              |       |
| 44 Tetrahydrofuran             | 42  |           | 12.846        |               |    |          |                   |       |
| * 43 Chlorobromomethane        | 128 | 12.862    | 12.852        | 0.010         | 70 | 118739   | 10.0              |       |
| 45 Chloroform                  | 83  | 12.969    | 12.959        | 0.010         | 99 | 598173   | 15.0              |       |
| 46 Cyclohexane                 | 84  |           | 13.258        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  | 13.269    | 13.269        | 0.000         | 83 | 23977    | 0.4848            |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 48 Carbon tetrachloride        | 117 | 13.536    | 13.520        | 0.016         | 97 | 30331    | 0.5370            |       |
| 51 Isooctane                   | 57  | 13.932    | 13.916        | 0.016         | 89 | 14038    | 0.2437            |       |
| 50 Benzene                     | 78  | 13.980    | 13.975        | 0.005         | 48 | 6214     | 0.1204            | M     |
| 52 1,2-Dichloroethane          | 62  |           | 14.136        |               |    |          |                   |       |
| 53 n-Heptane                   | 43  |           | 14.269        |               |    |          |                   |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.740    | 14.735        | 0.005         | 94 | 592476   | 10.0              |       |
| 56 Trichloroethene             | 95  | 15.206    | 15.200        | 0.006         | 96 | 222862   | 8.39              |       |
| 58 1,2-Dichloropropane         | 63  |           | 15.725        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  |           | 15.805        |               |    |          |                   |       |
| 60 1,4-Dioxane                 | 88  |           | 15.896        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  | 16.217    | 16.217        | 0.000         | 46 | 4308     | 0.0947            | M     |
| 64 cis-1,3-Dichloropropene     | 75  |           | 17.073        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.324    | 17.313        | 0.011         | 72 | 3572     | 0.1417            |       |
| 66 Toluene                     | 92  | 17.656    | 17.650        | 0.006         | 93 | 31634    | 0.7989            |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 18.180        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 18.555        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 | 18.699    | 18.688        | 0.011         | 98 | 102349   | 2.08              |       |
| 73 2-Hexanone                  | 43  |           | 18.934        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 19.309        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 19.592        |               |    |          |                   |       |
| S 82 Xylenes, Total            | 106 |           |               |               | 0  |          | 0.6661            |       |
| * 76 Chlorobenzene-d5          | 117 | 20.438    | 20.432        | 0.006         | 86 | 545998   | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 20.491        |               |    |          |                   |       |
| 78 Ethylbenzene                | 91  | 20.603    | 20.603        | 0.000         | 73 | 9548     | 0.1032            |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.823    | 20.823        | 0.000         | 99 | 18246    | 0.4890            |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534        | 0.000         | 83 | 6238     | 0.1771            |       |
| 84 Styrene                     | 104 |           | 21.572        |               |    |          |                   |       |
| 85 Bromoform                   | 173 |           | 21.952        |               |    |          |                   |       |
| 86 Isopropylbenzene            | 105 | 22.101    | 22.101        | 0.000         | 1  | 1991     | 0.0184            |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.438    | 22.438        | 0.000         | 91 | 388466   | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |           | 22.663        |               |    |          |                   |       |
| 90 N-Propylbenzene             | 91  |           | 22.733        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 | 22.904    | 22.904        | 0.000         | 69 | 8462     | 0.0702            |       |
| 92 2-Chlorotoluene             | 91  |           | 22.936        |               |    |          |                   |       |
| 94 1,3,5-Trimethylbenzene      | 105 | 22.989    | 22.995        | -0.006        | 76 | 8414     | 0.0754            |       |
| 96 tert-Butylbenzene           | 119 |           | 23.471        |               |    |          |                   |       |
| 97 1,2,4-Trimethylbenzene      | 105 | 23.567    | 23.562        | 0.005         | 89 | 23537    | 0.2211            |       |
| 98 sec-Butylbenzene            | 105 |           | 23.803        |               |    |          |                   |       |
| 99 4-Isopropyltoluene          | 119 |           | 24.001        |               |    |          |                   |       |
| 100 1,3-Dichlorobenzene        | 146 |           | 24.070        |               |    |          |                   |       |
| 101 1,4-Dichlorobenzene        | 146 |           | 24.215        |               |    |          |                   |       |
| 102 Benzyl chloride            | 91  |           | 24.429        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 24.637        |               |    |          |                   |       |
| 105 1,2-Dichlorobenzene        | 146 |           | 24.824        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 |           | 27.708        |               |    |          |                   |       |
| 108 Hexachlorobutadiene        | 225 |           | 27.911        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 28.296        |               |    |          |                   |       |

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Apr-2014 12:32:03

Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Worklist Smp#: 15

Client ID: 101CA01CA

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

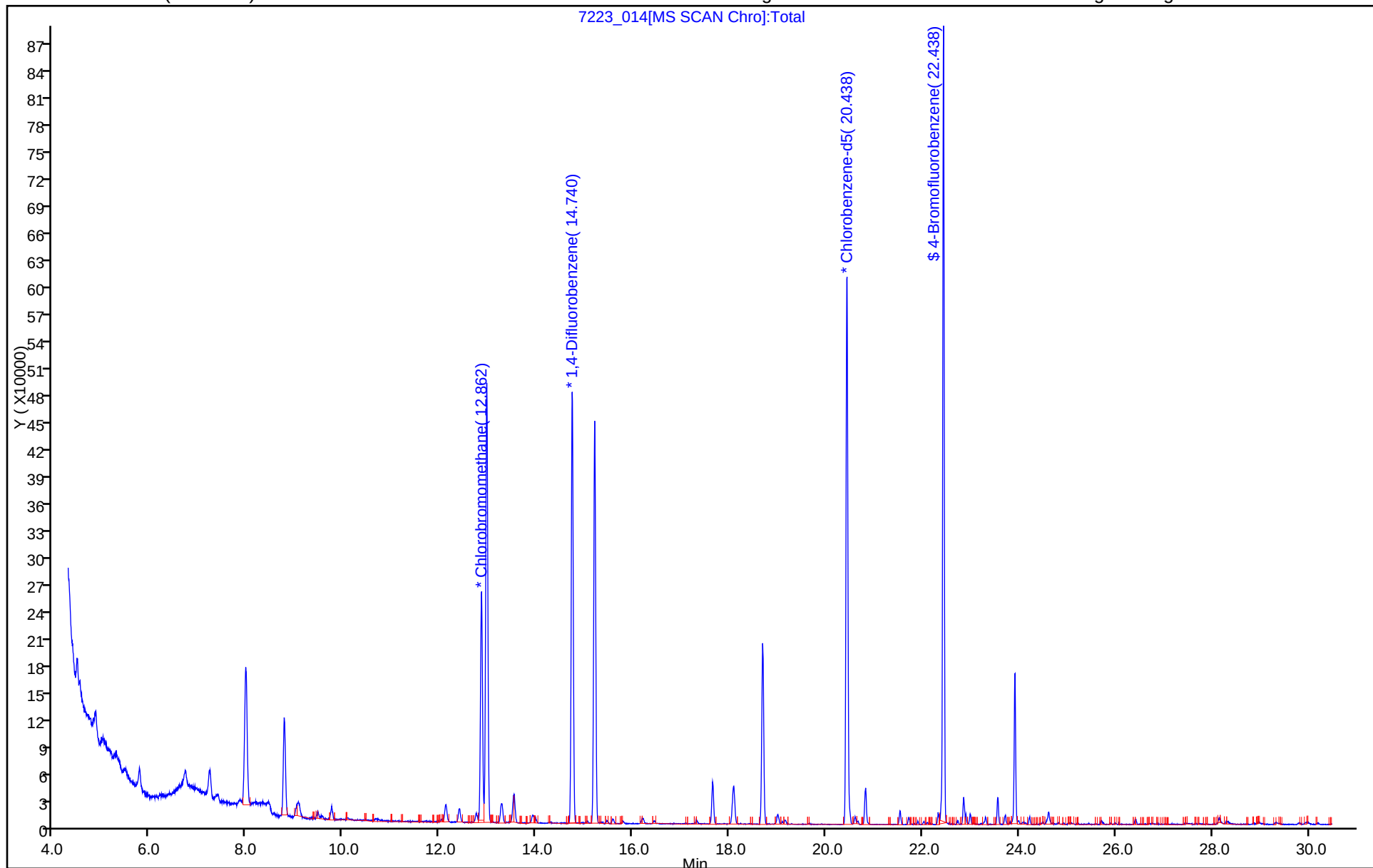
ALS Bottle#: 11

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

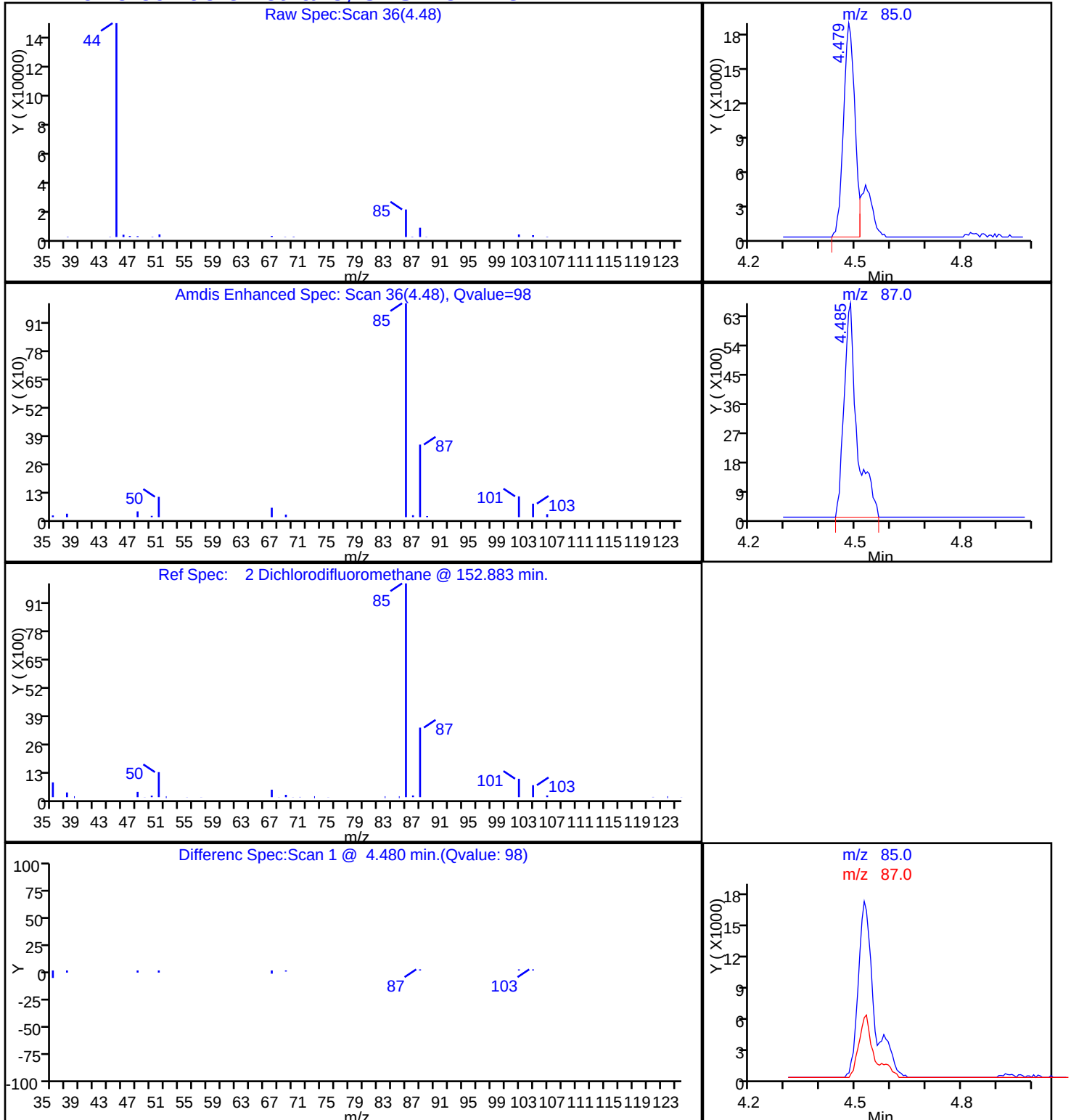
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**2 Dichlorodifluoromethane, CAS: 75-71-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

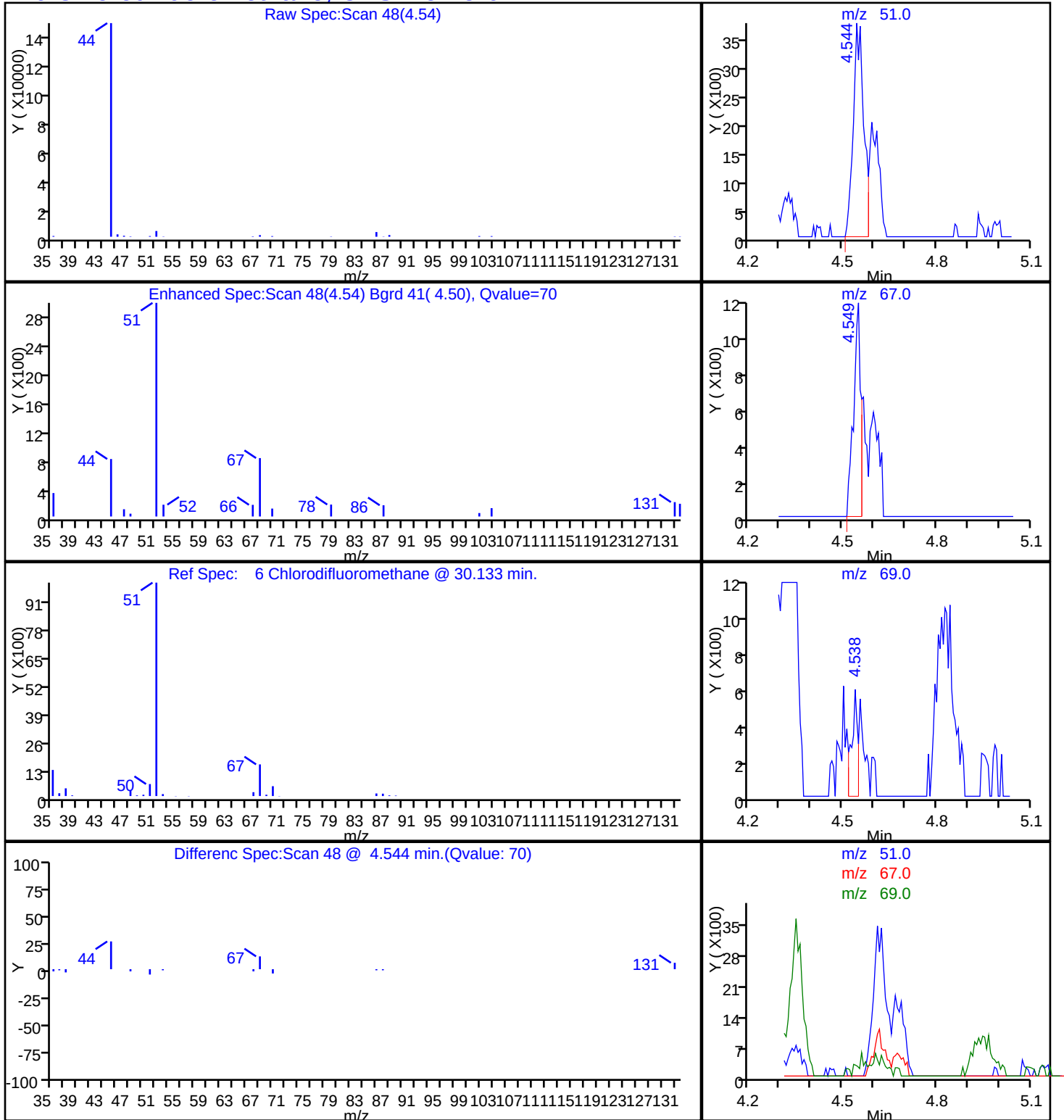
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 6 Chlorodifluoromethane, CAS: 75-45-6



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

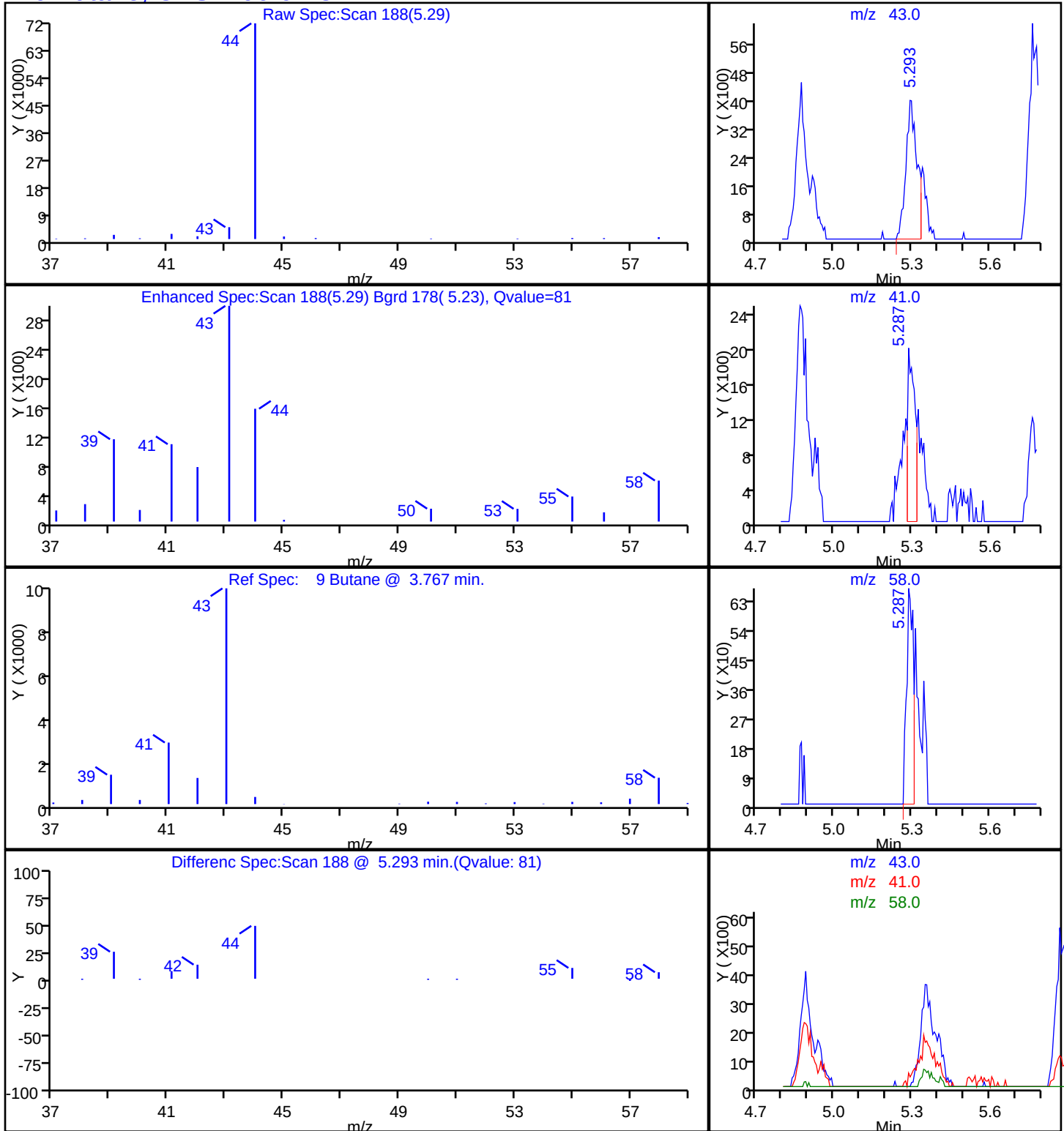
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**9 Butane, CAS: 106-97-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

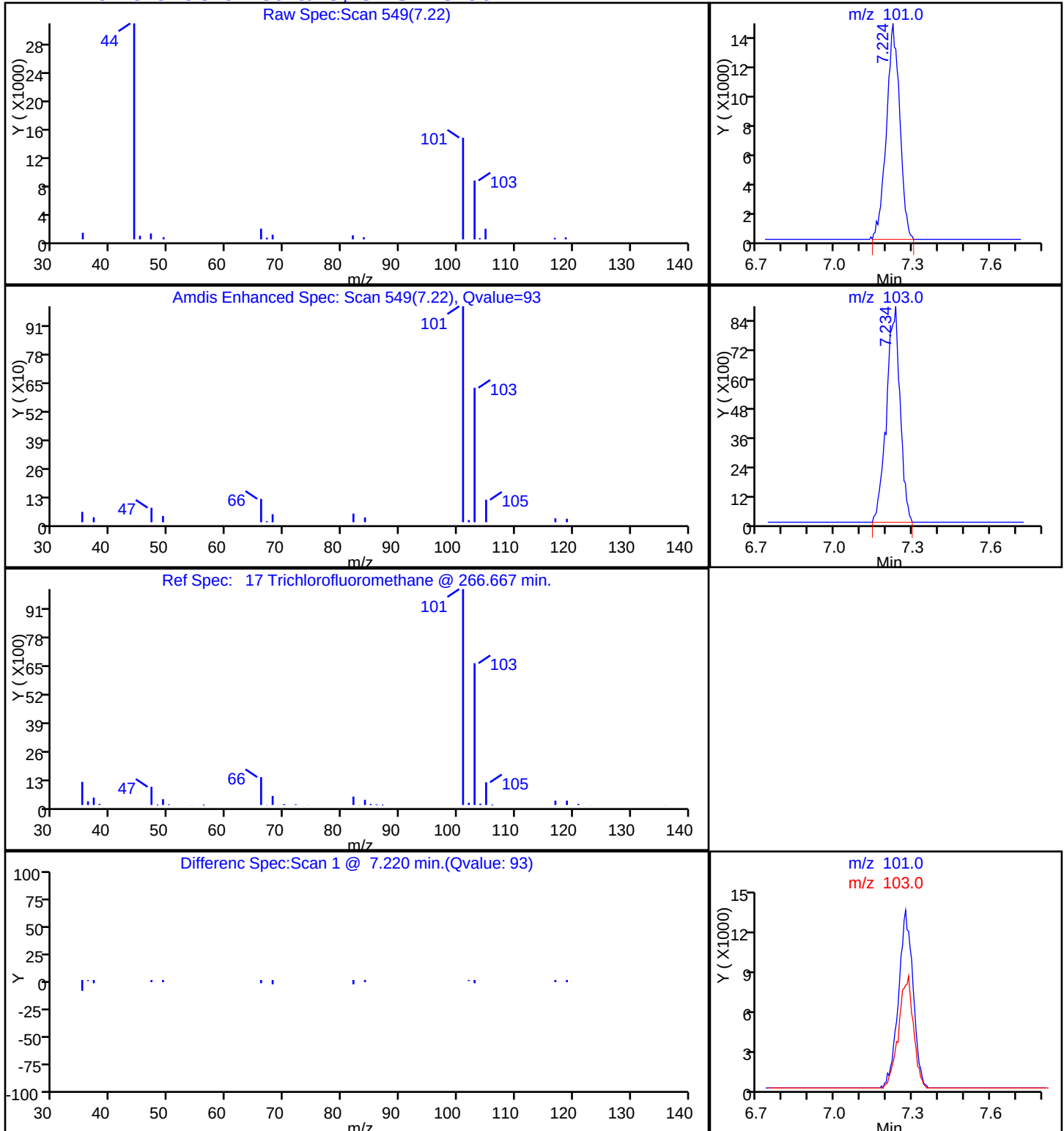
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**17 Trichlorofluoromethane, CAS: 75-69-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

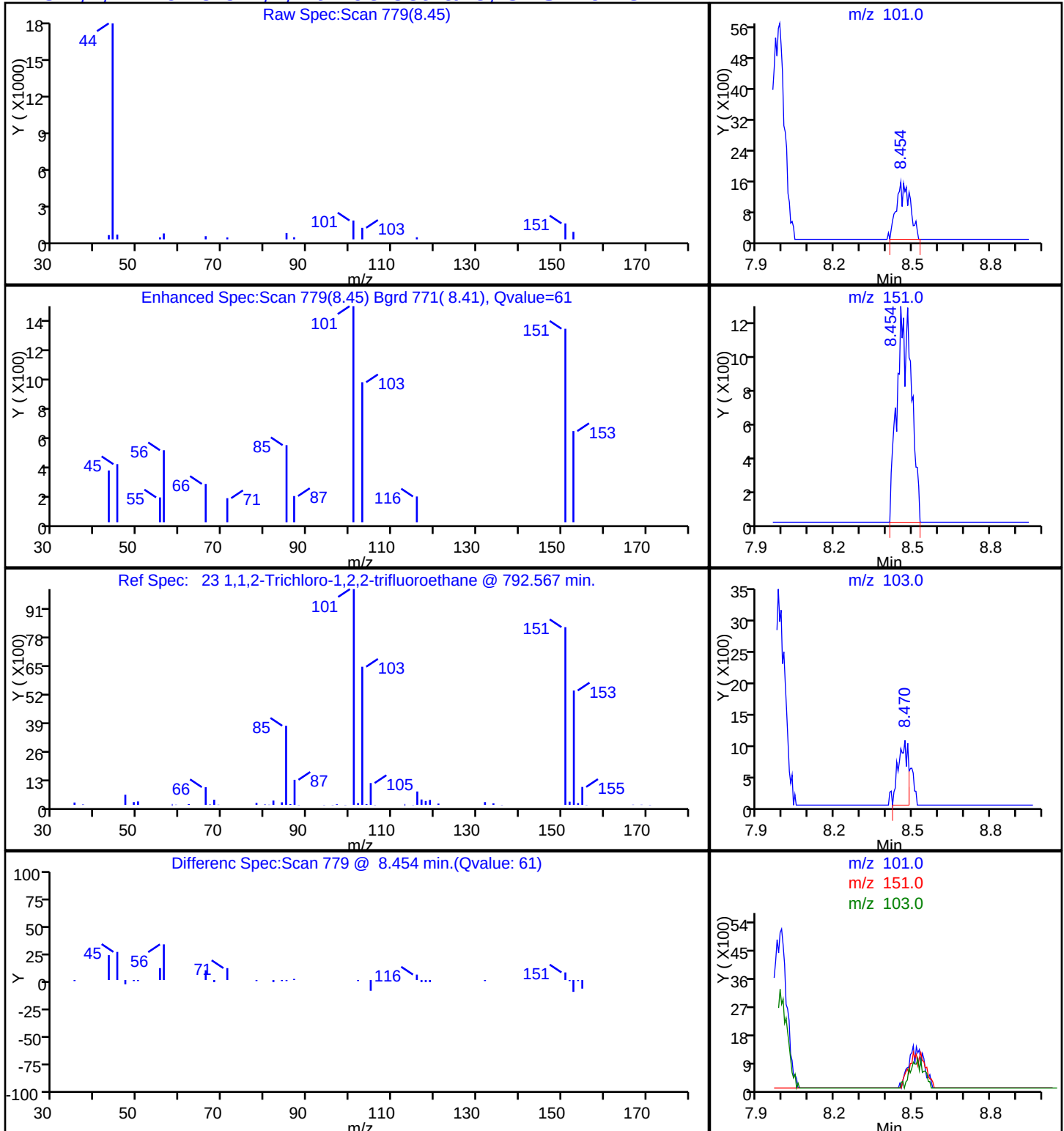
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**23 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

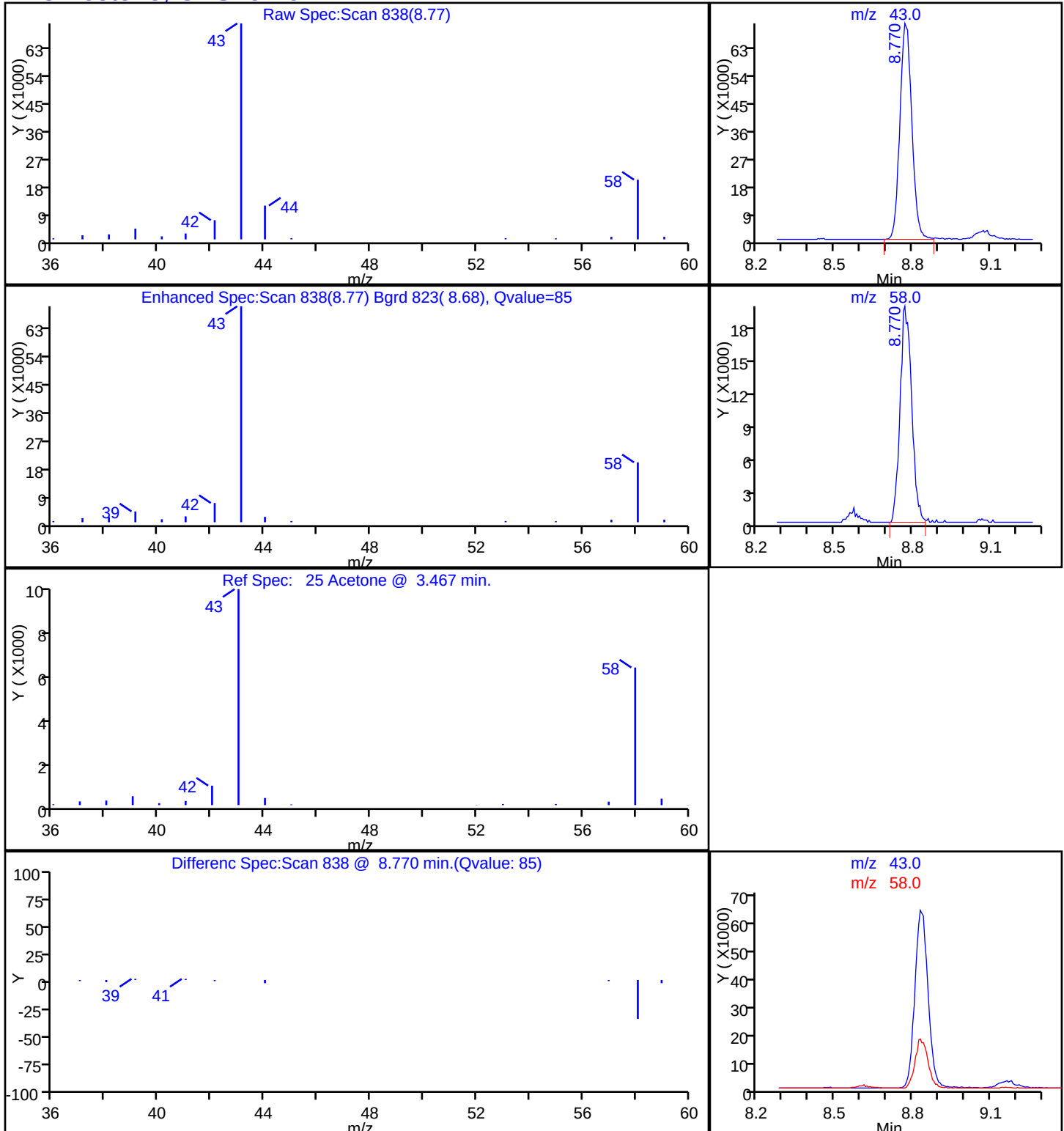
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

## 25 Acetone, CAS: 67-64-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

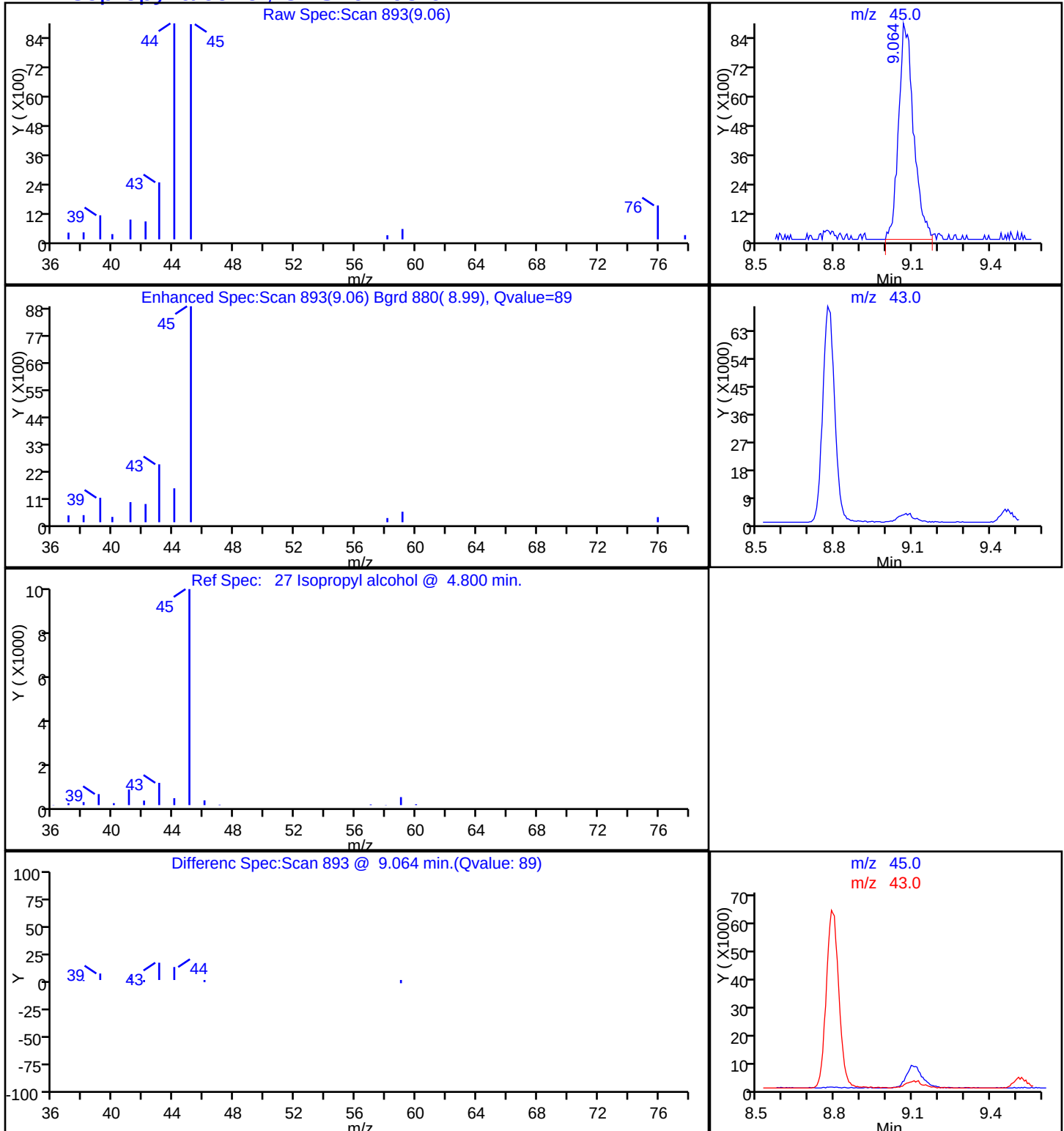
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**27 Isopropyl alcohol, CAS: 67-63-0**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

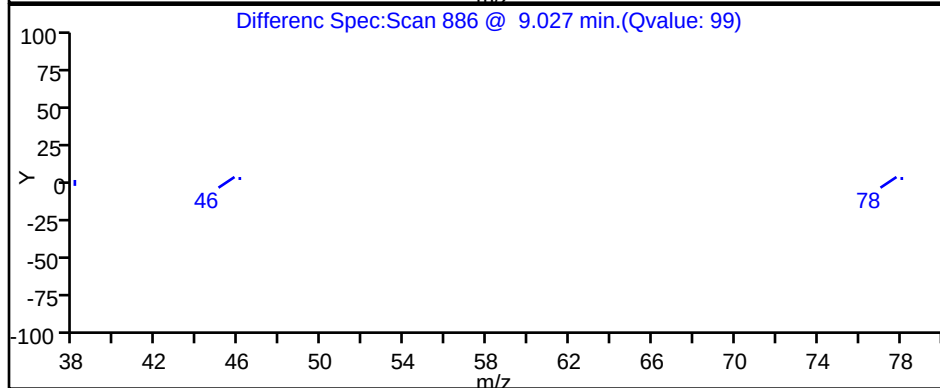
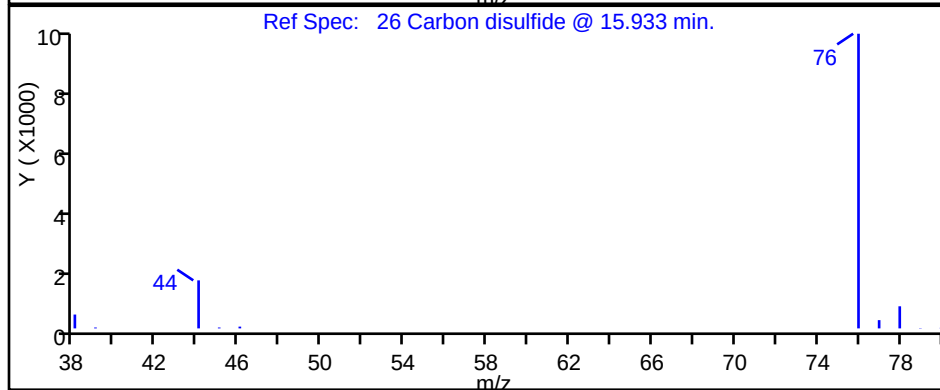
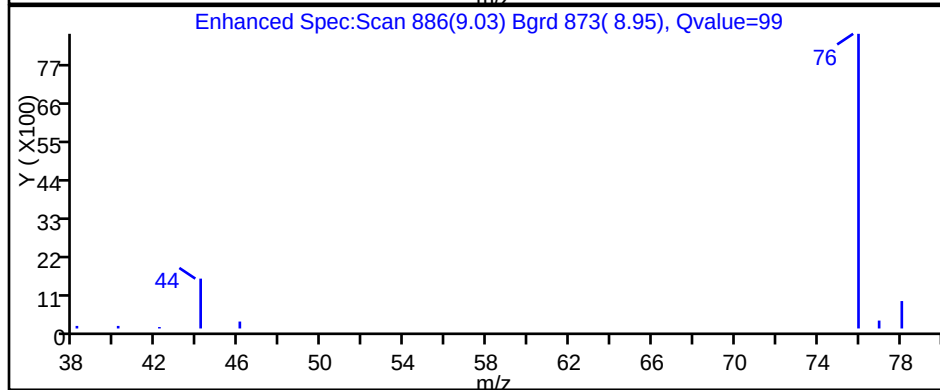
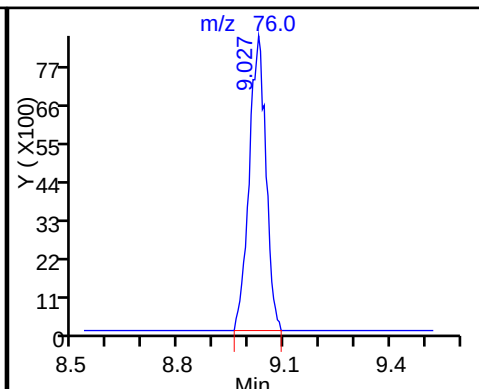
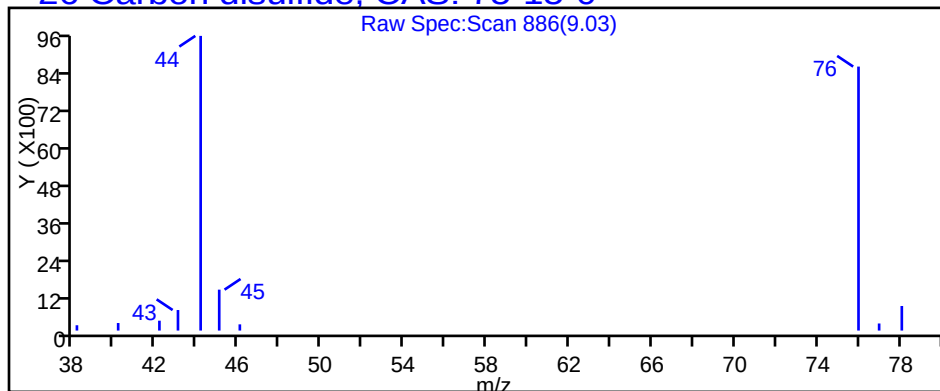
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**26 Carbon disulfide, CAS: 75-15-0**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

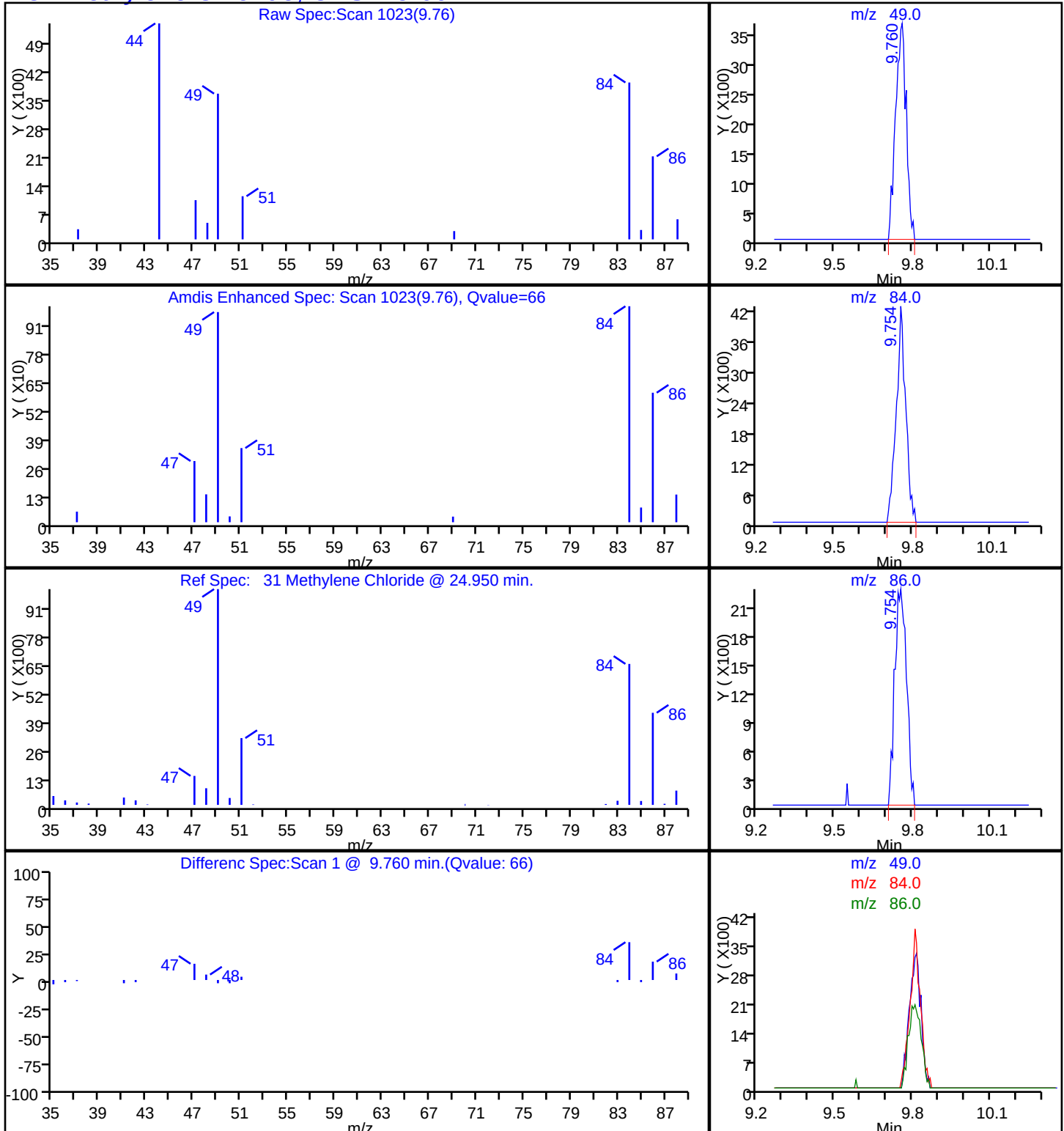
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**31 Methylene Chloride, CAS: 75-09-2**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

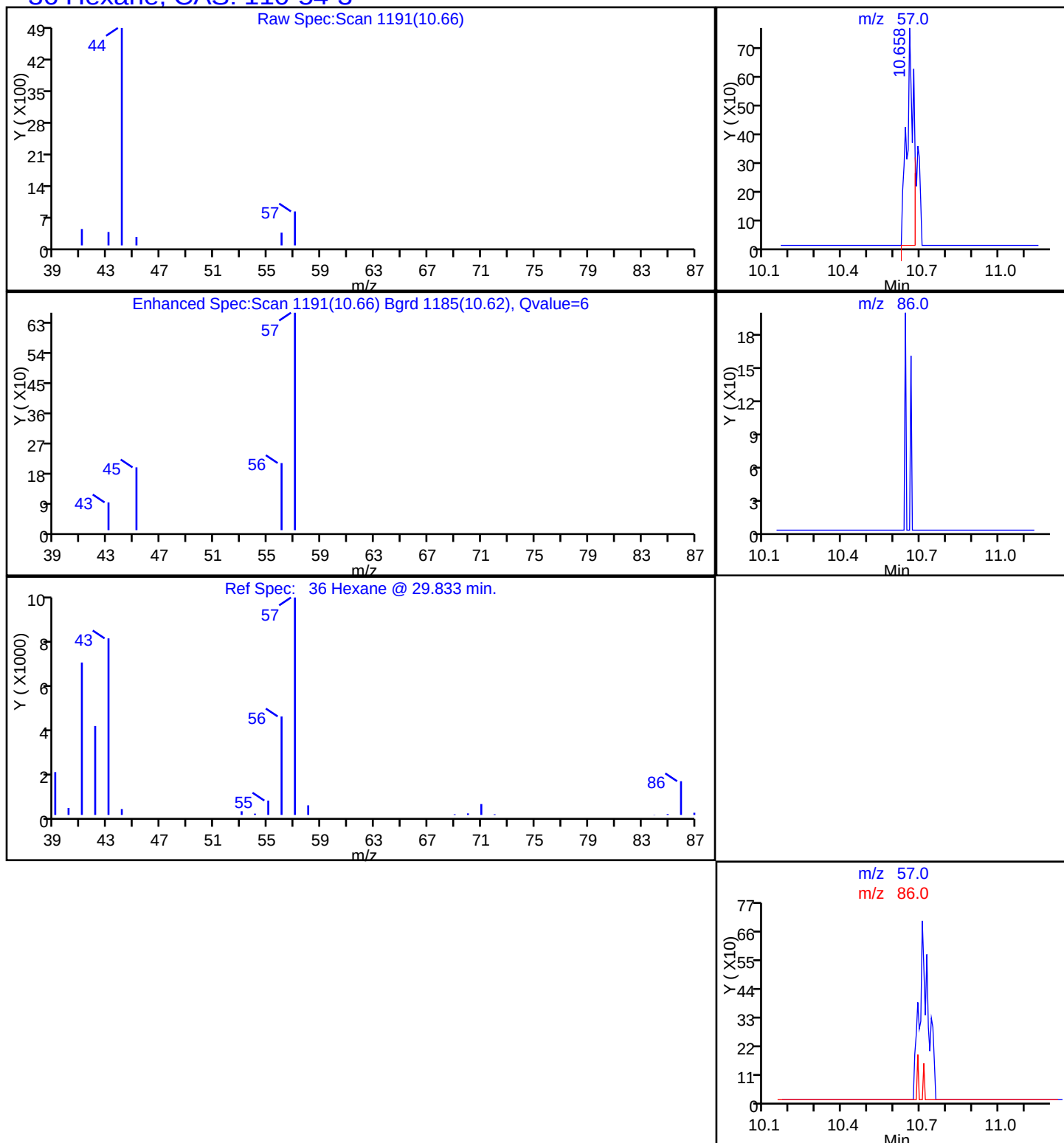
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

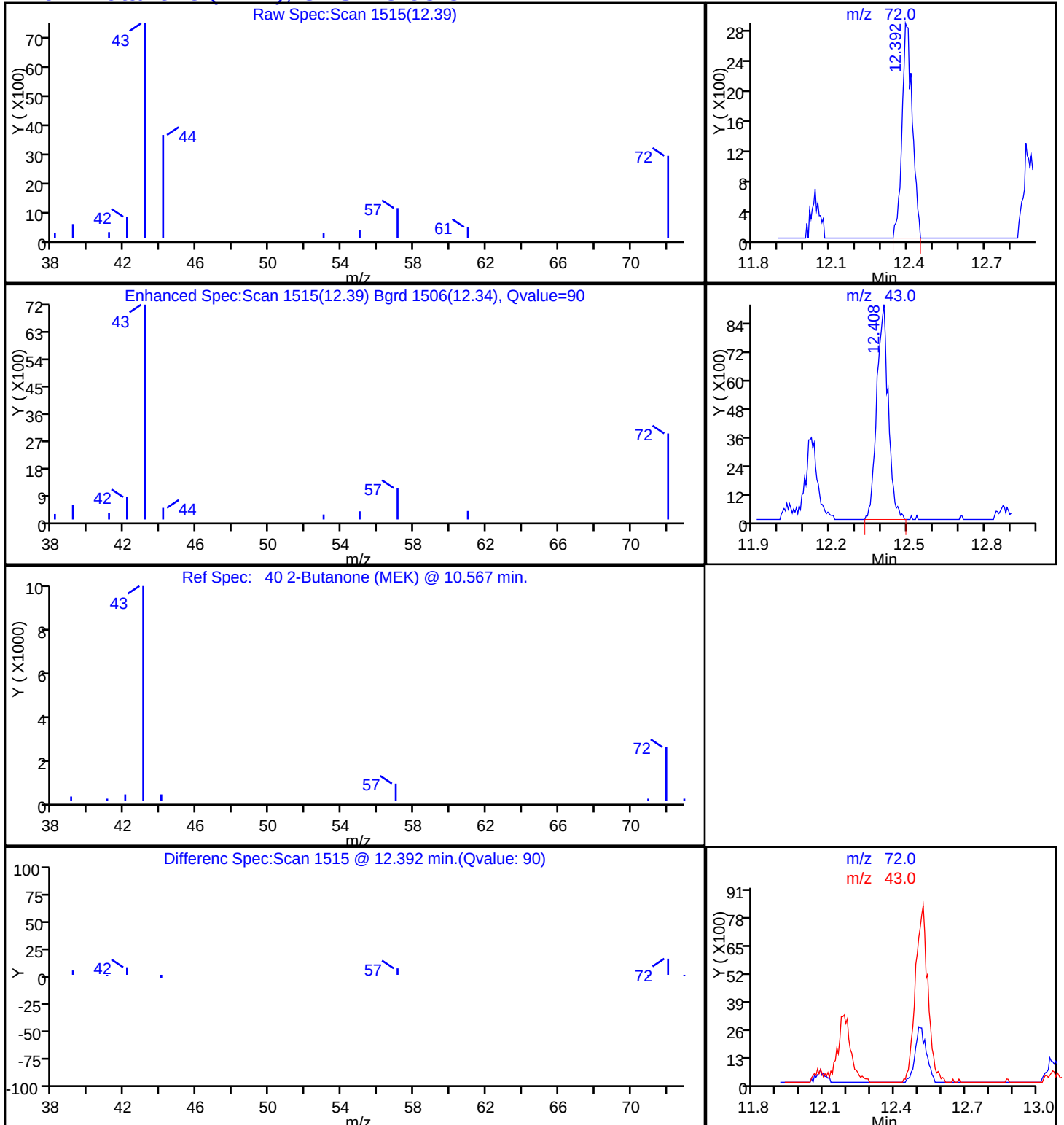
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**40 2-Butanone (MEK), CAS: 78-93-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

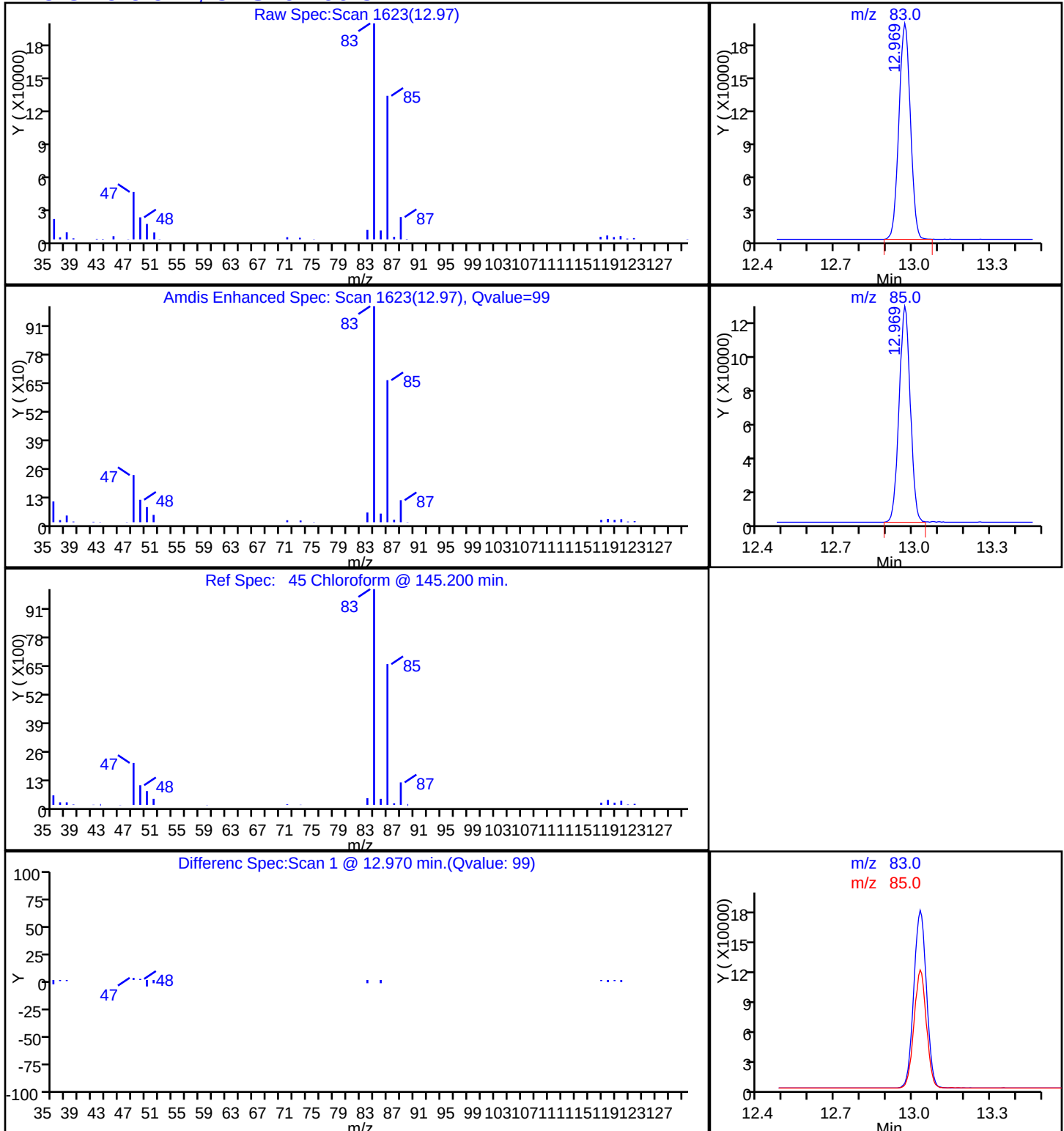
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**45 Chloroform, CAS: 67-66-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

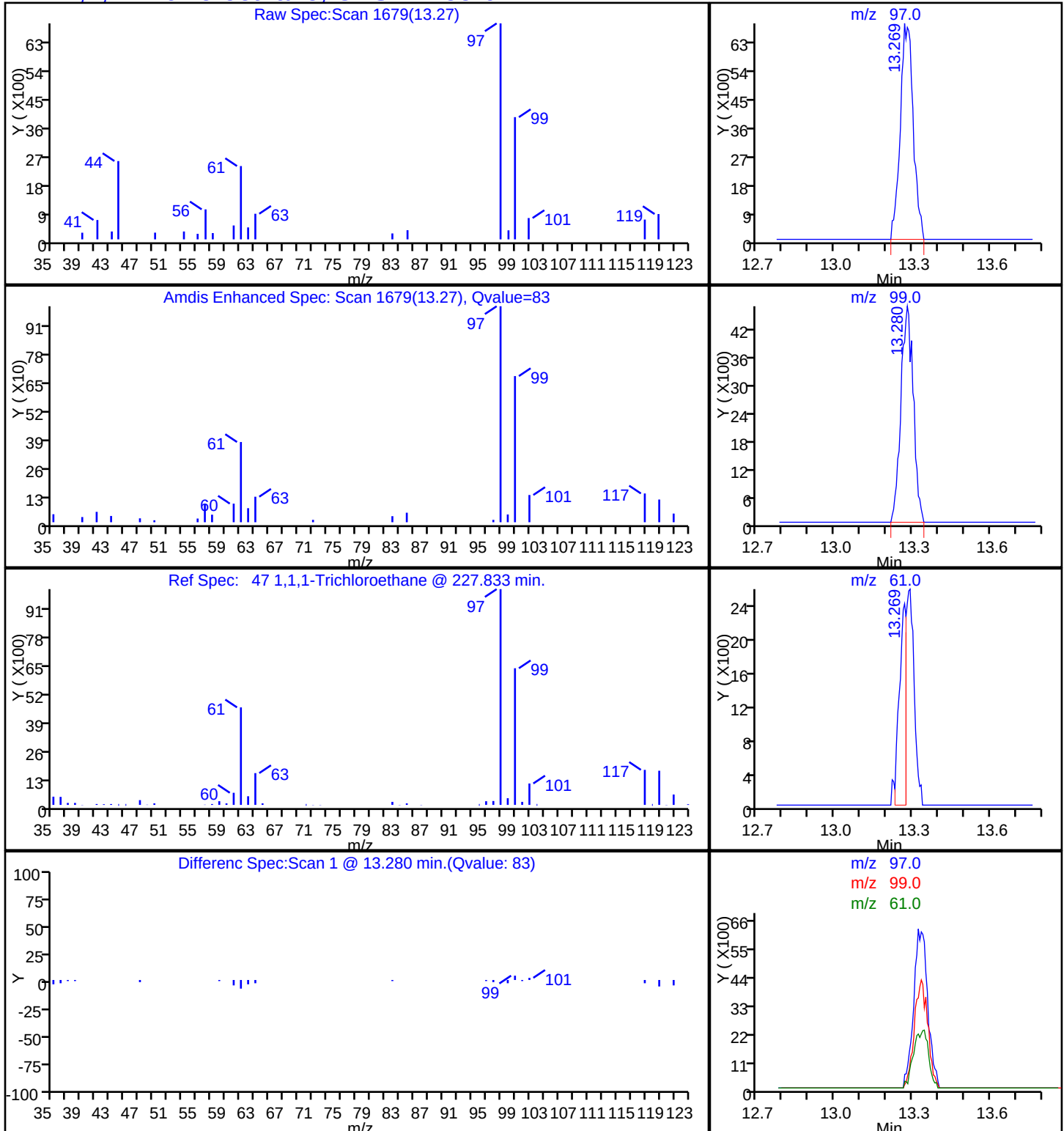
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**47 1,1,1-Trichloroethane, CAS: 71-55-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

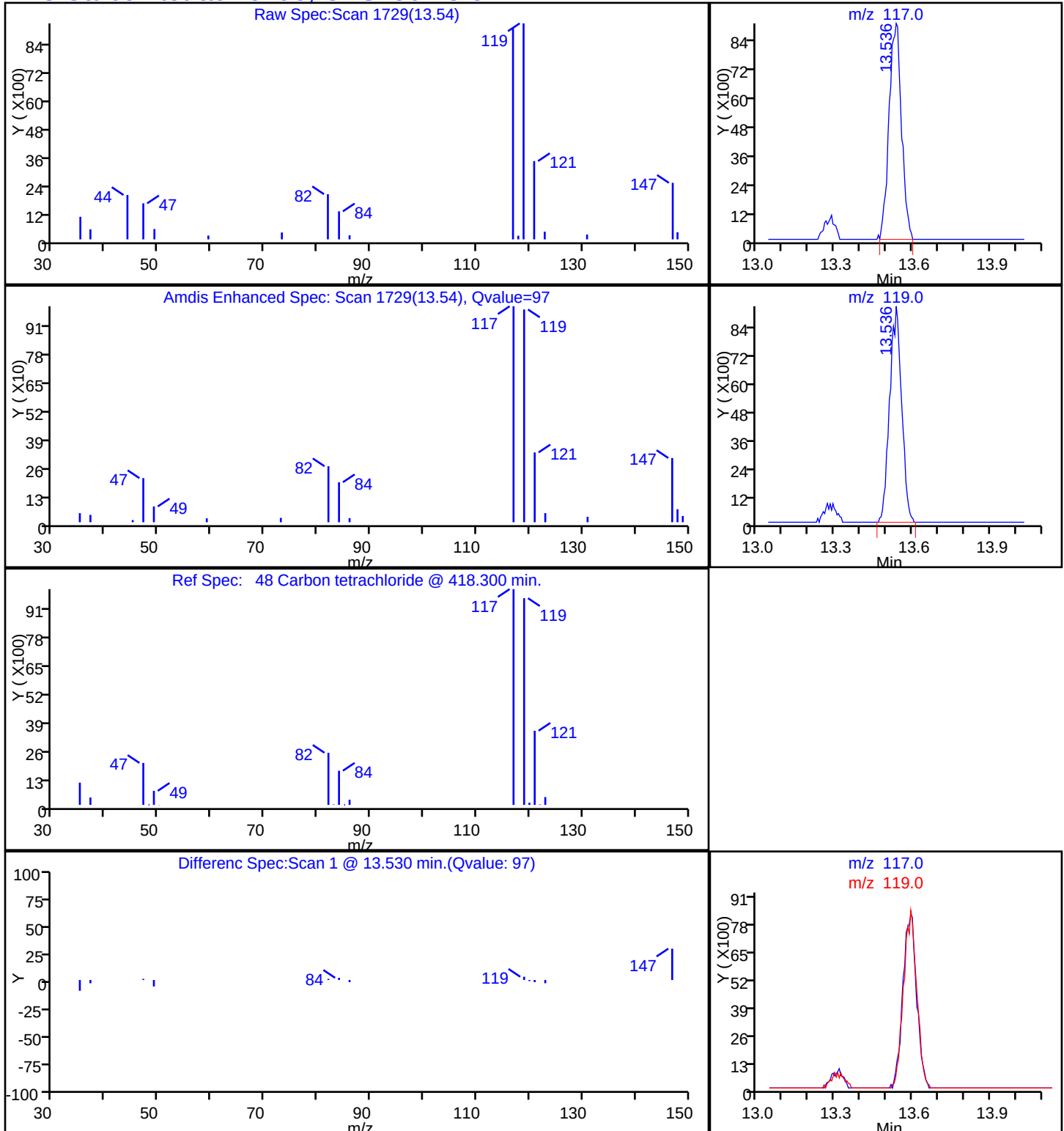
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**48 Carbon tetrachloride, CAS: 56-23-5**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

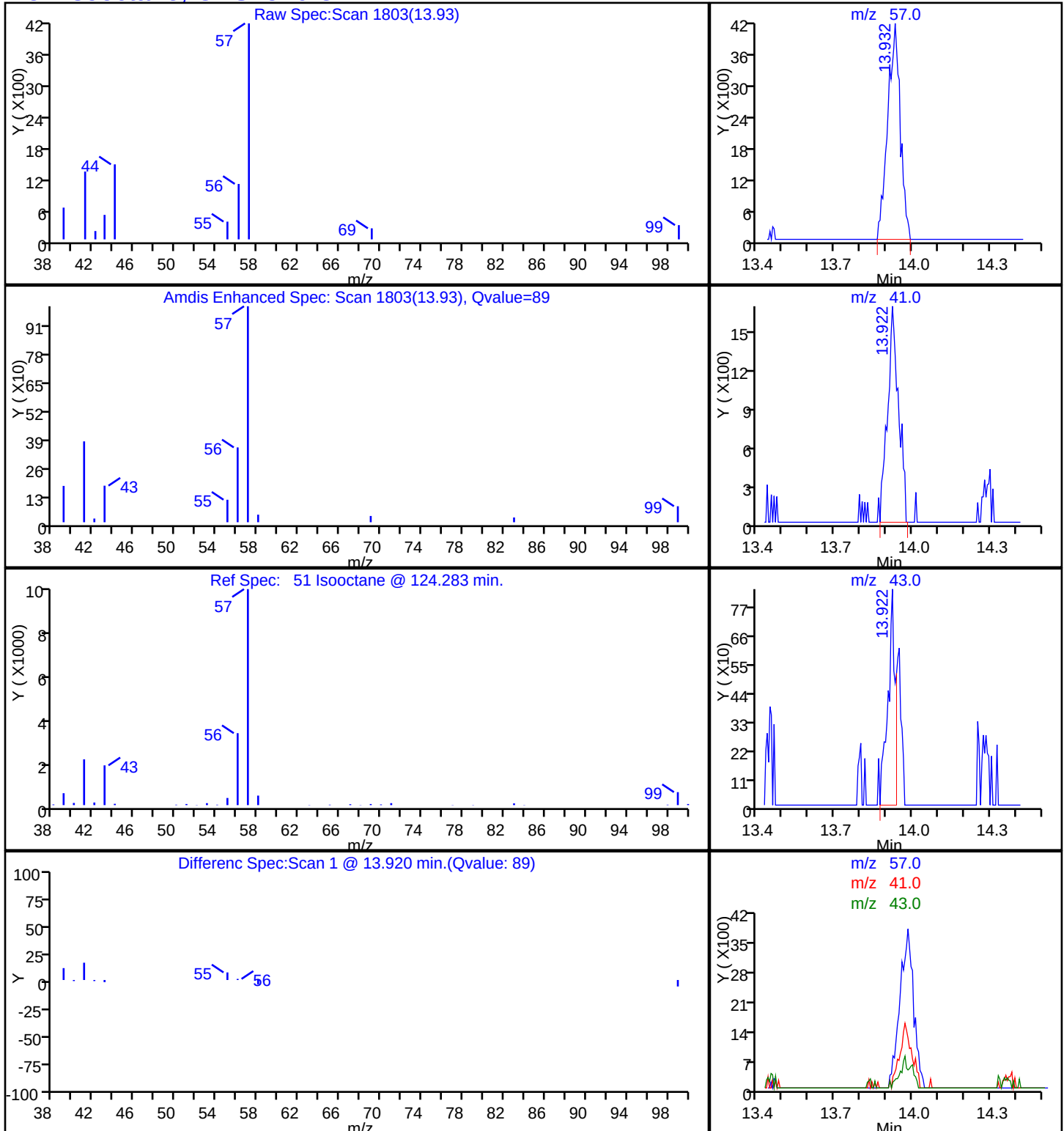
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**51 Isooctane, CAS: 540-84-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

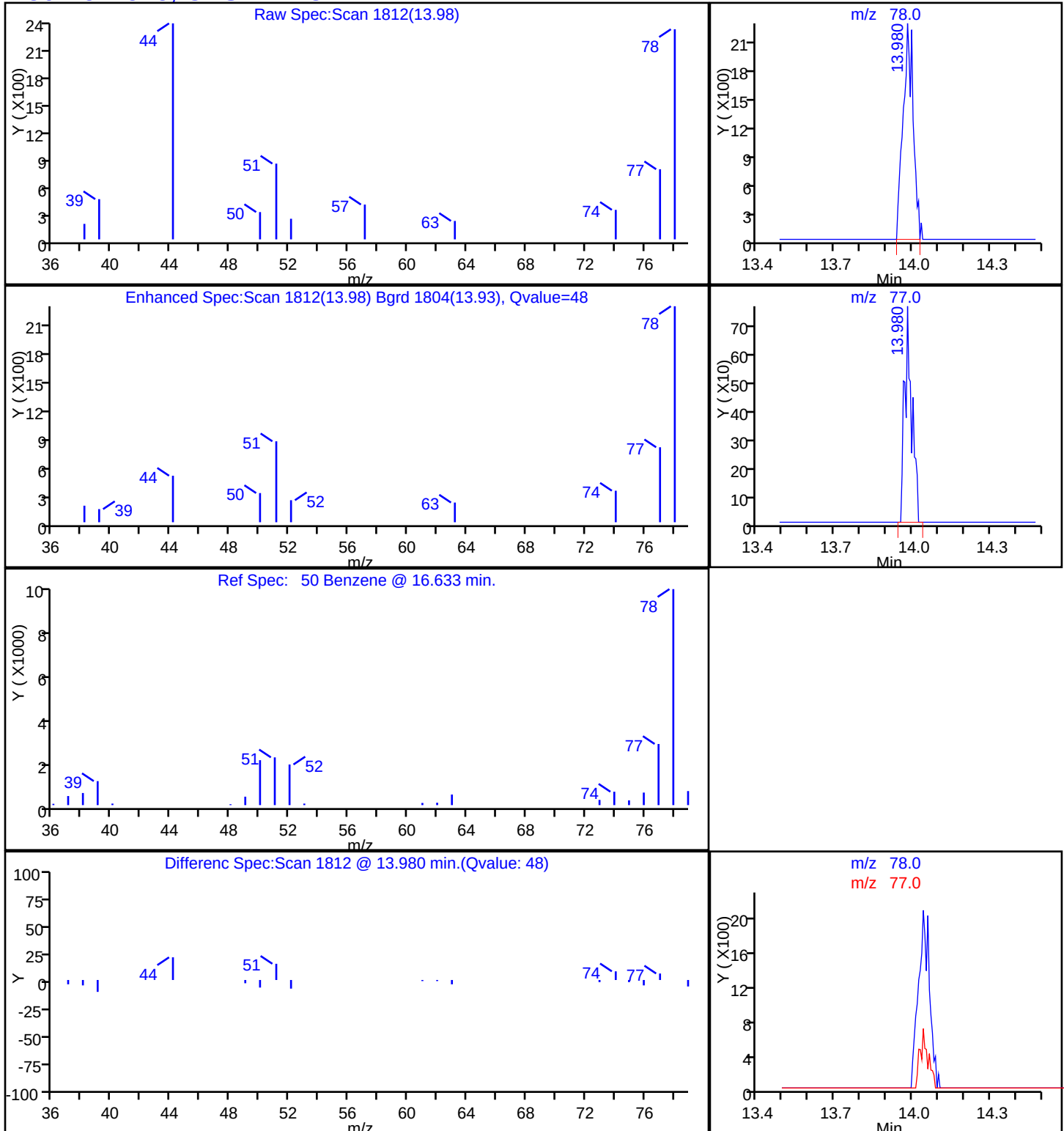
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**50 Benzene, CAS: 71-43-2**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

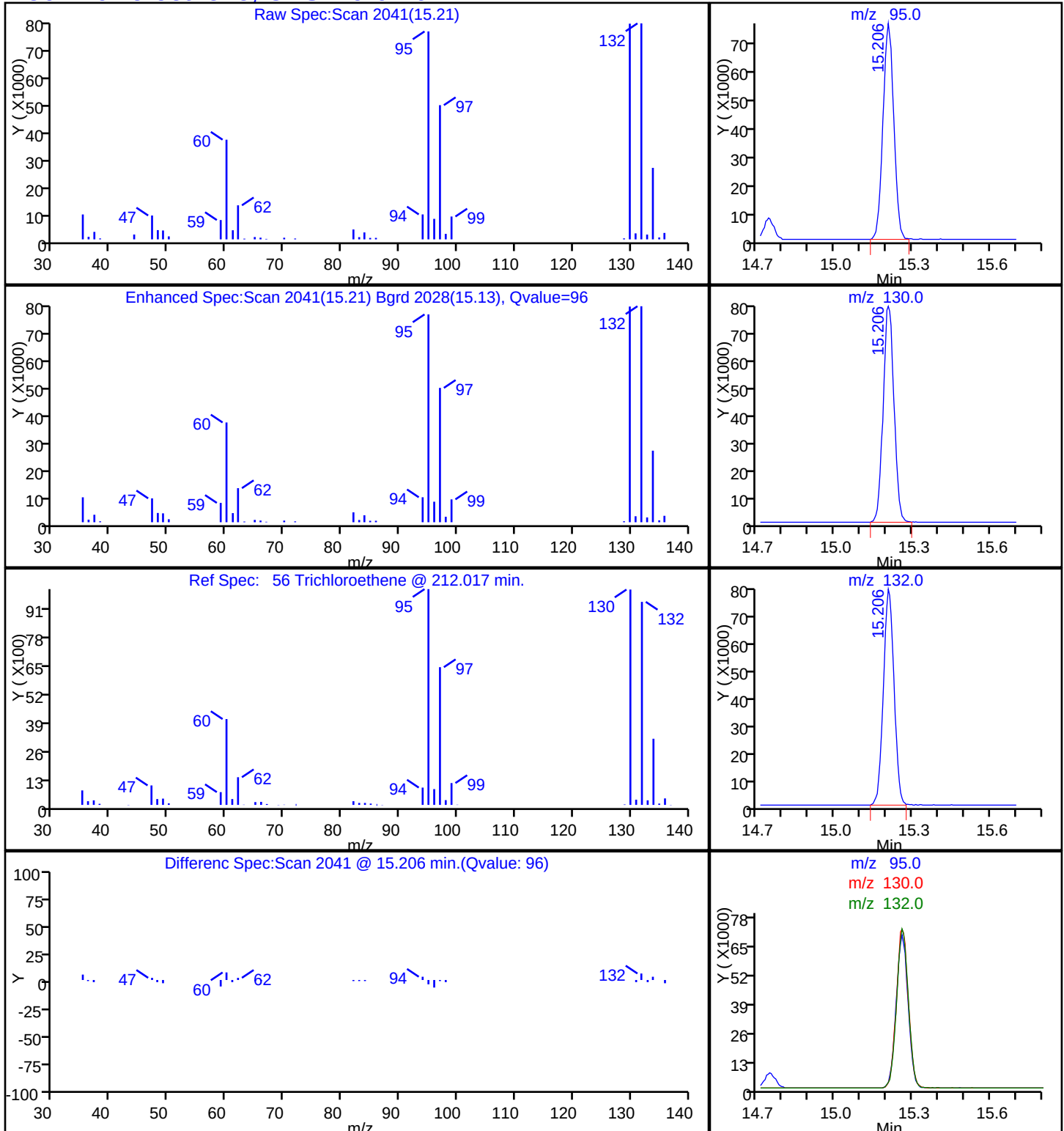
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

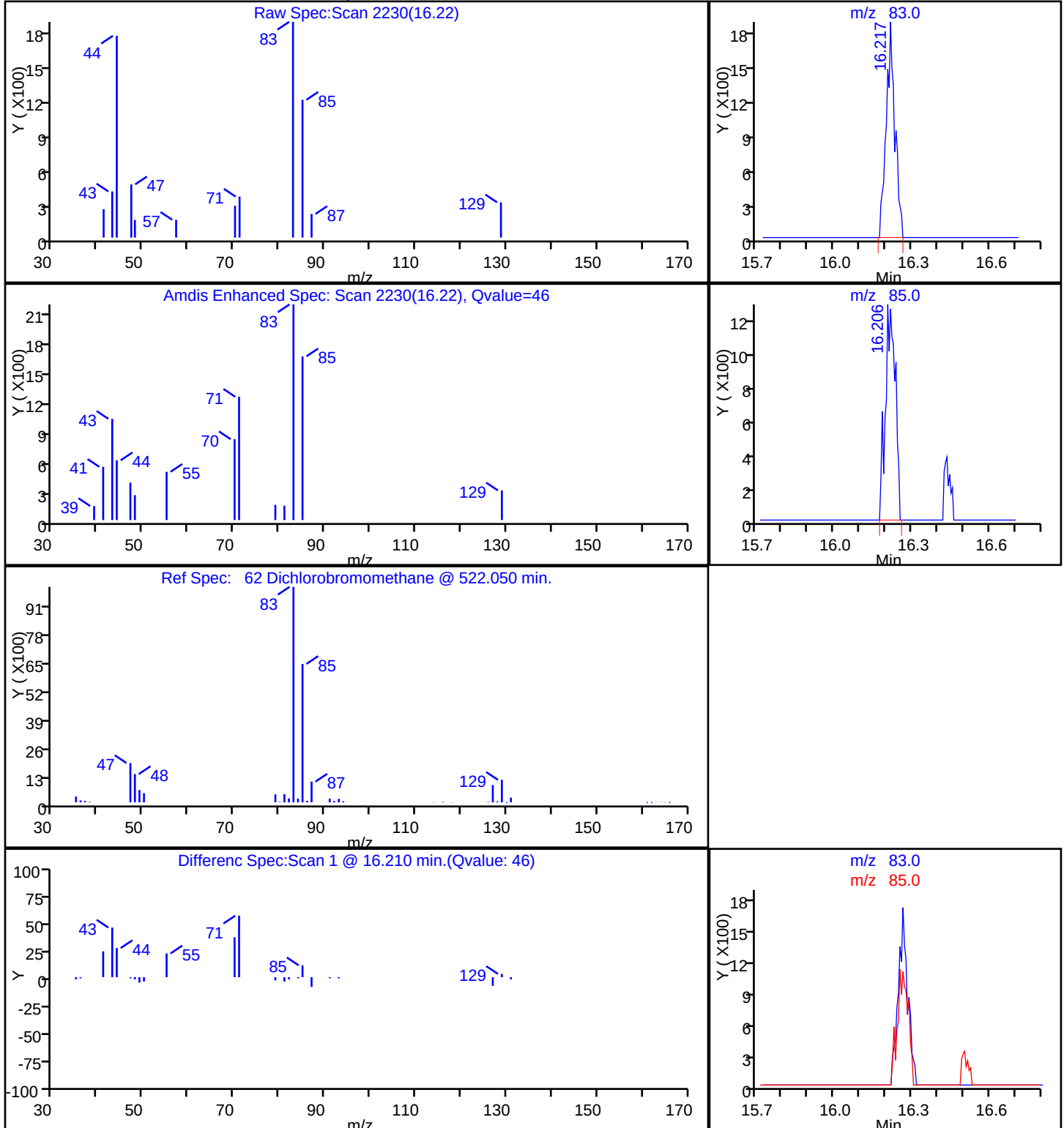
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**62 Dichlorobromomethane, CAS: 75-27-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

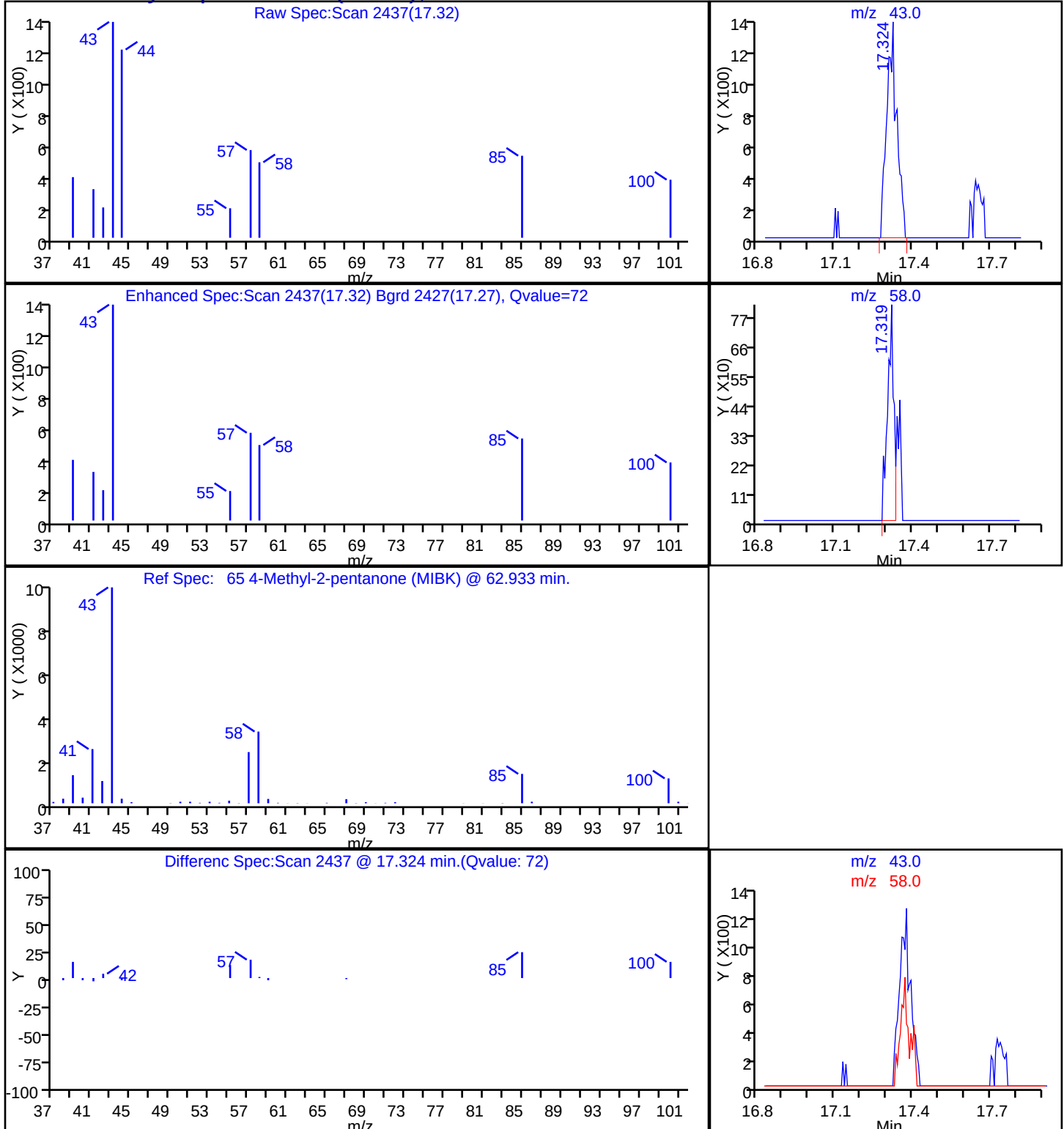
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 65 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

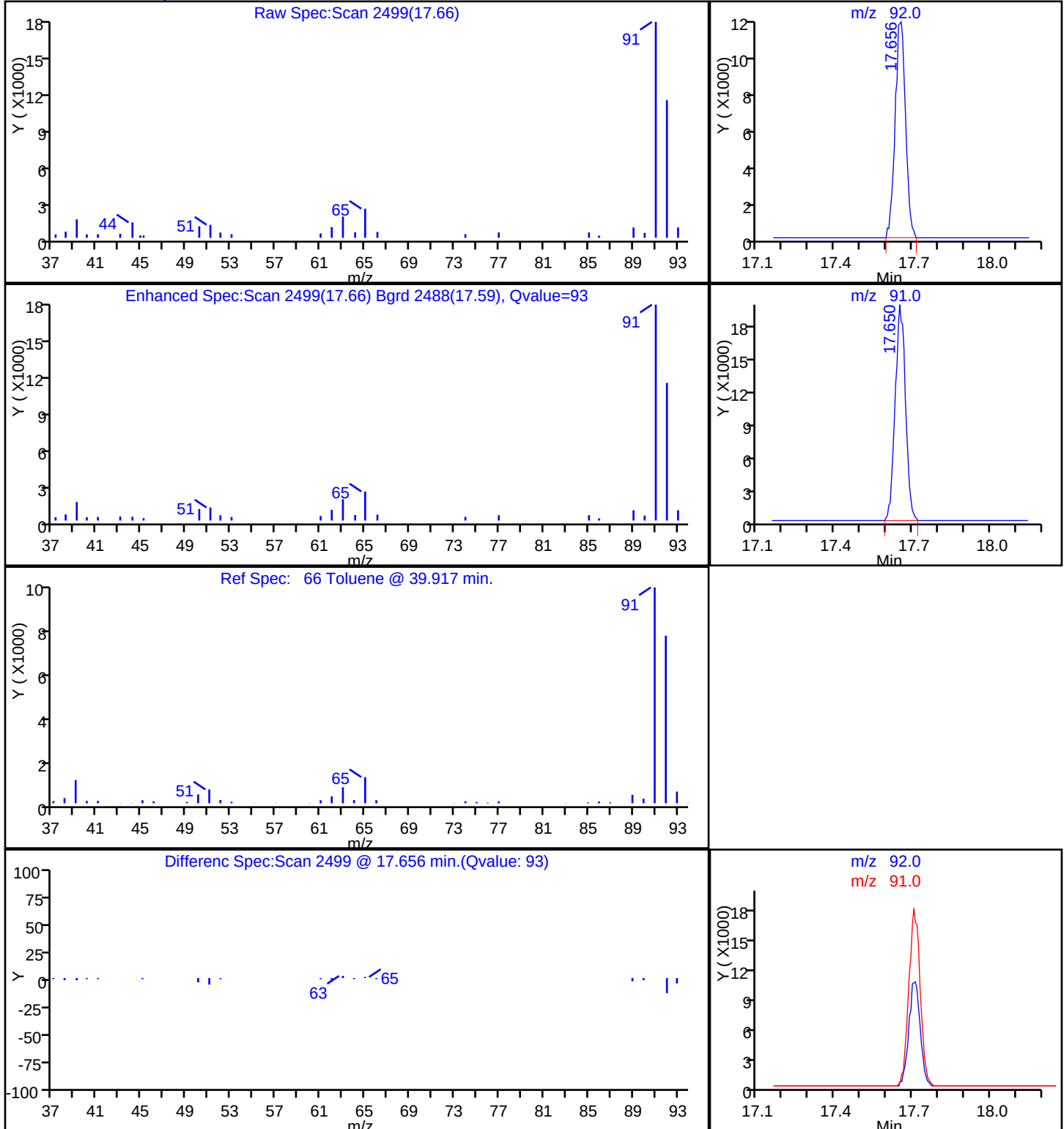
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**66 Toluene, CAS: 108-88-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

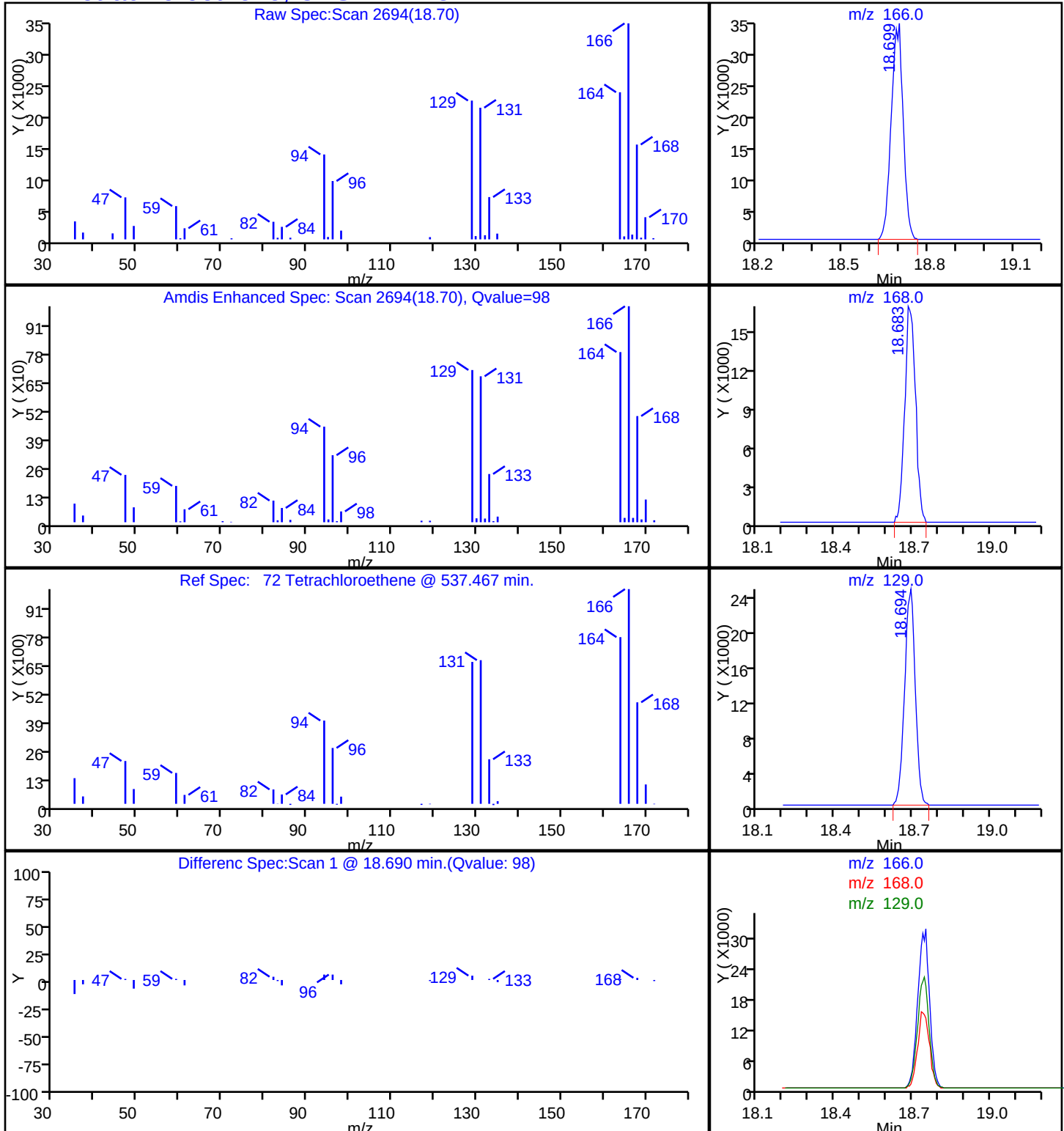
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**72 Tetrachloroethene, CAS: 127-18-4**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

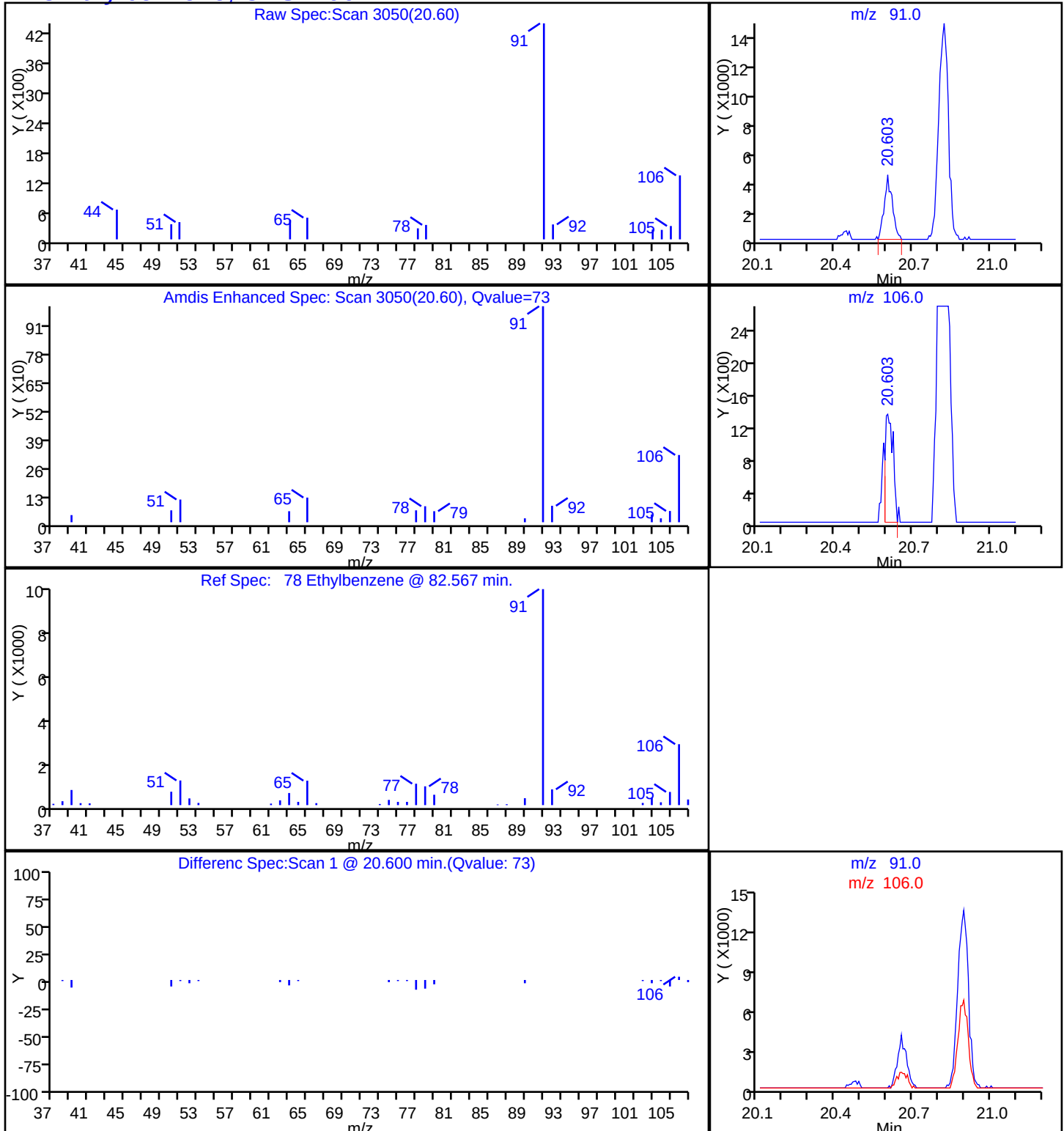
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 78 Ethylbenzene, CAS: 100-41-4



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

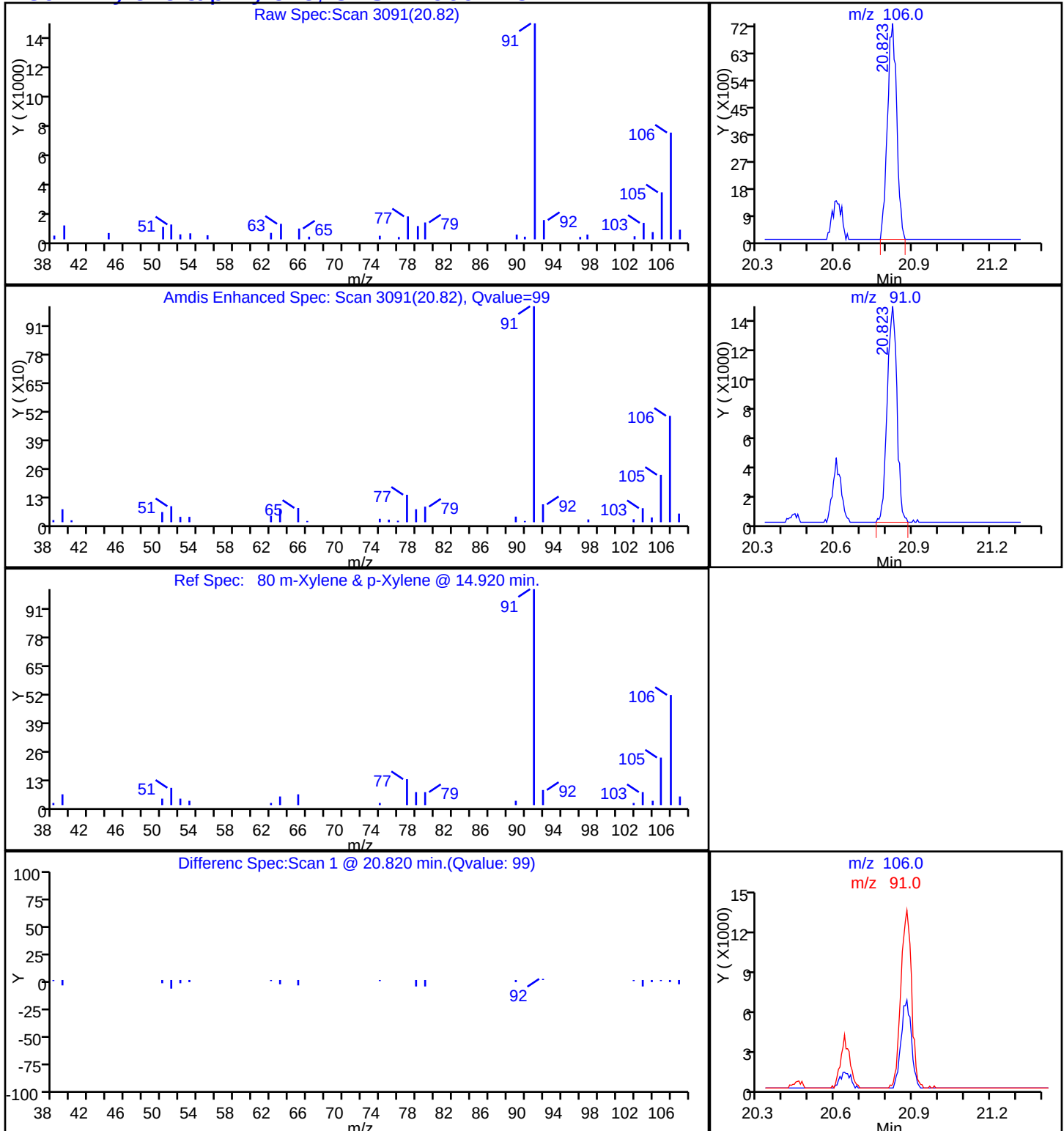
Dil. Factor: 1.0000

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**80 m-Xylene & p-Xylene, CAS: 179601-23-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

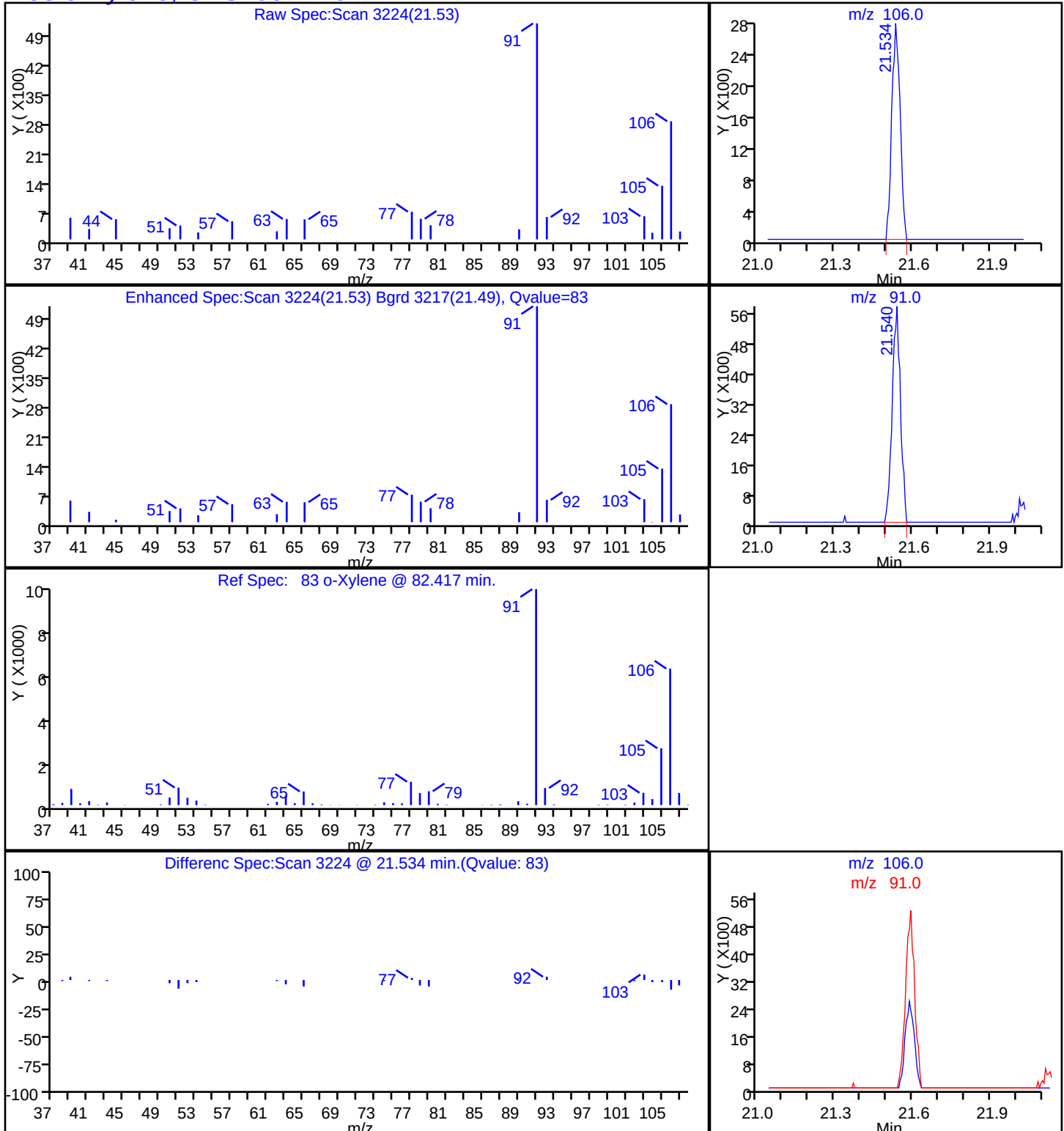
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**83 o-Xylene, CAS: 95-47-6**



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

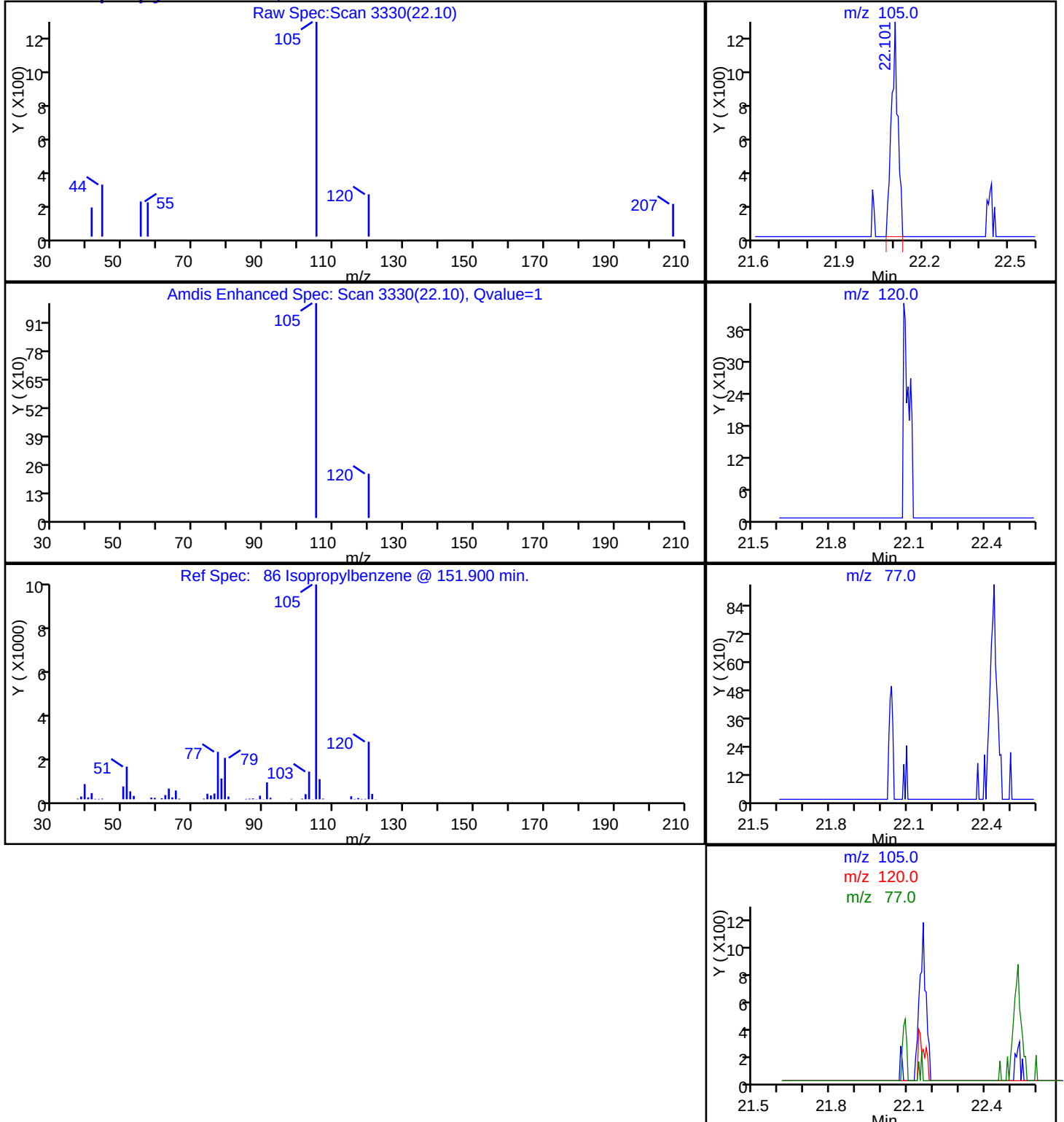
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**86 Isopropylbenzene, CAS: 98-82-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

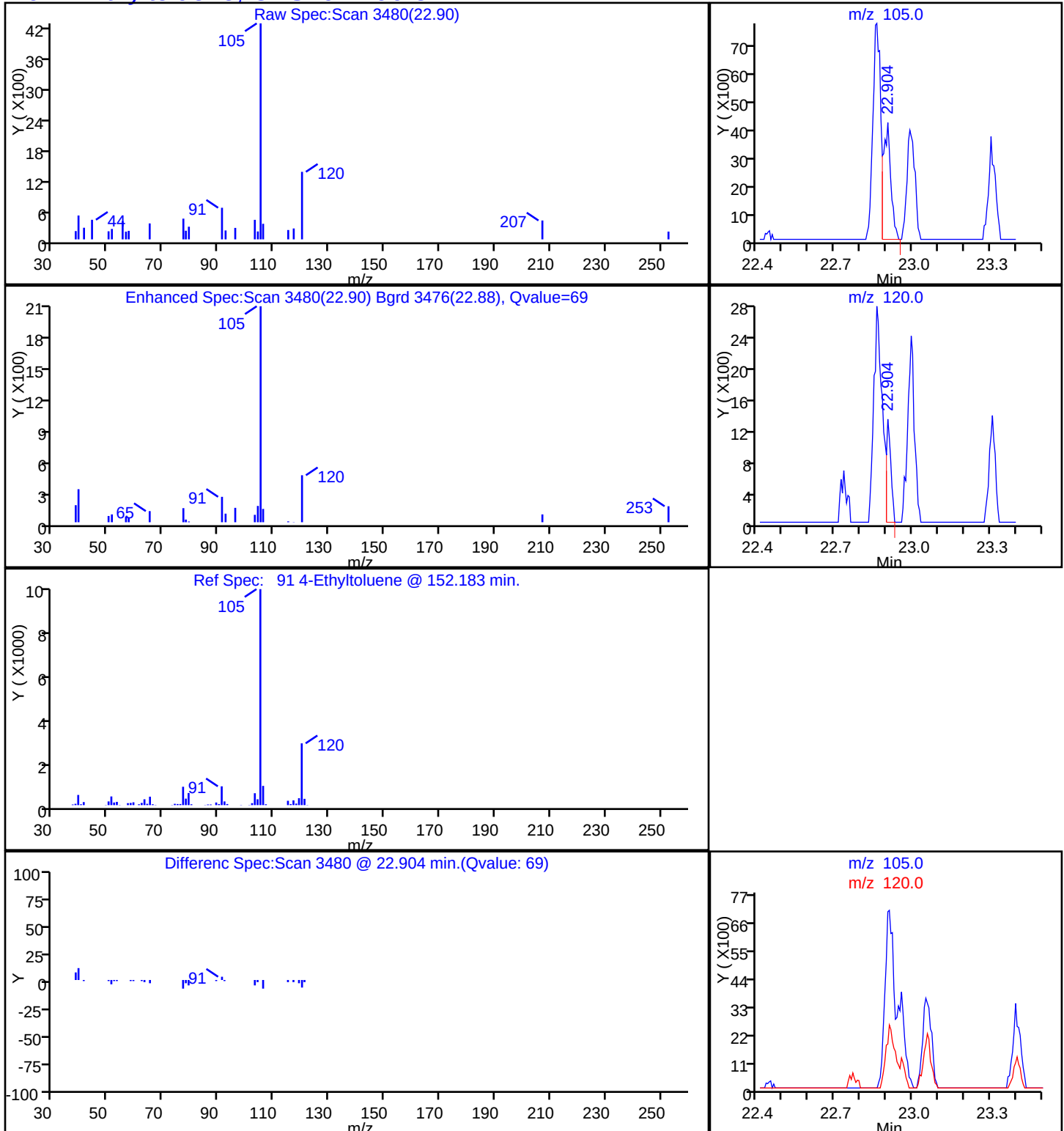
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**91 4-Ethyltoluene, CAS: 622-96-8**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

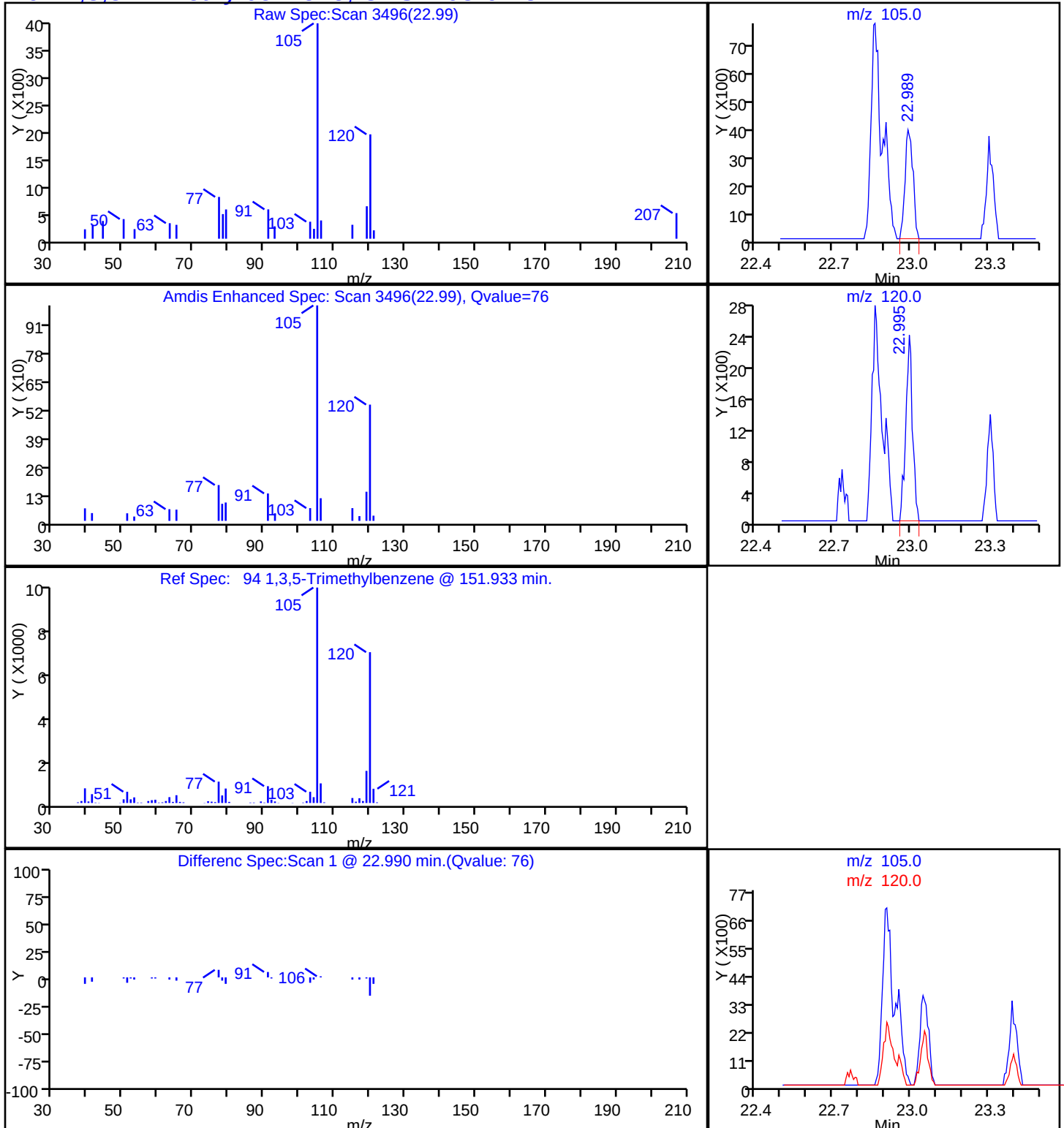
Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

## 94 1,3,5-Trimethylbenzene, CAS: 108-67-8



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_014.d

Injection Date: 25-Apr-2014 22:34:30

Instrument ID: CHW.i

Lims ID: 280-54595-A-8

Lab Sample ID: 200-54595-8

Client ID: 101CA01CA

Operator ID: pad

ALS Bottle#: 11

Worklist Smp#: 15

Purge Vol: 200.000 mL

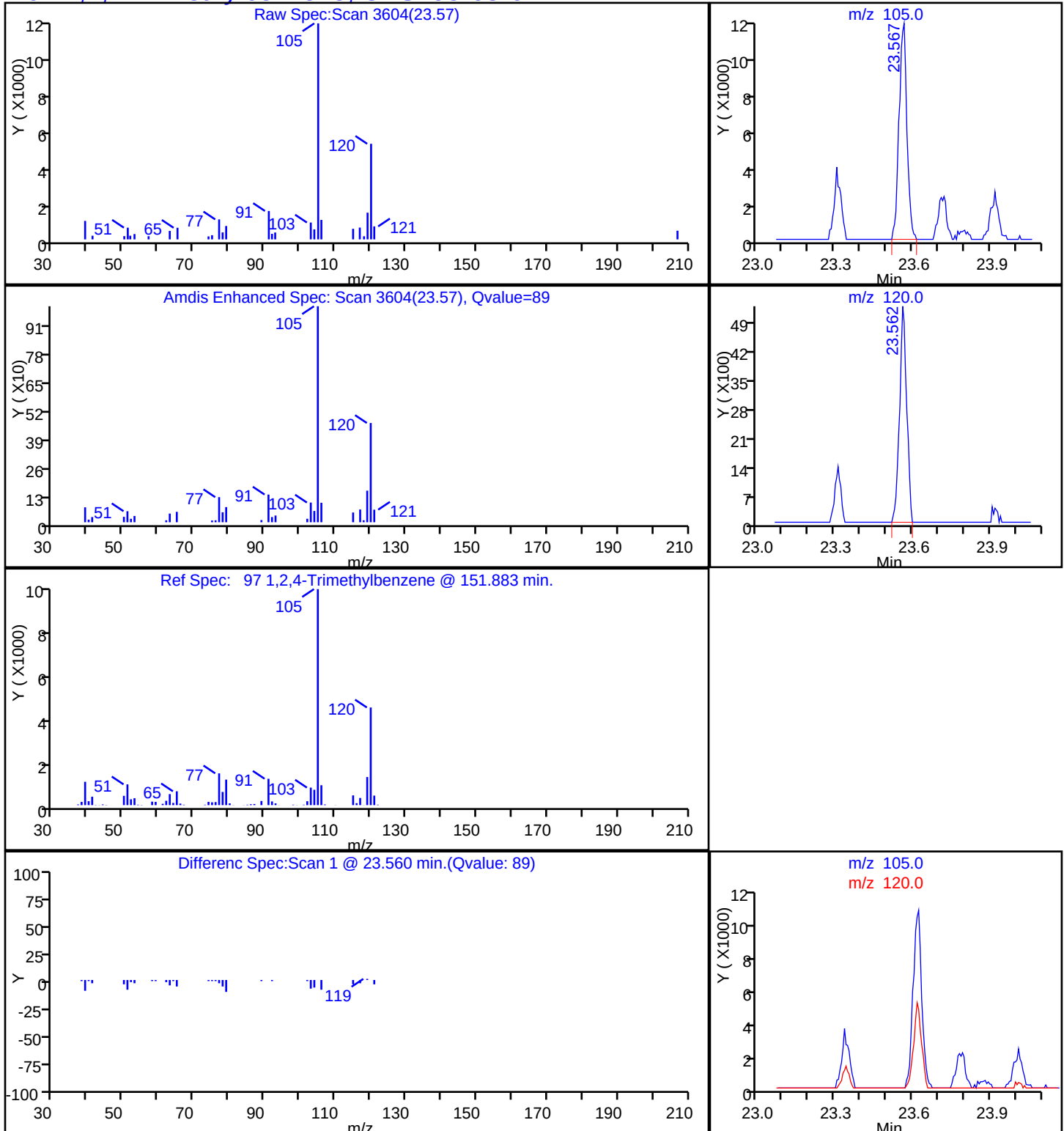
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**97 1,2,4-Trimethylbenzene, CAS: 95-63-6**

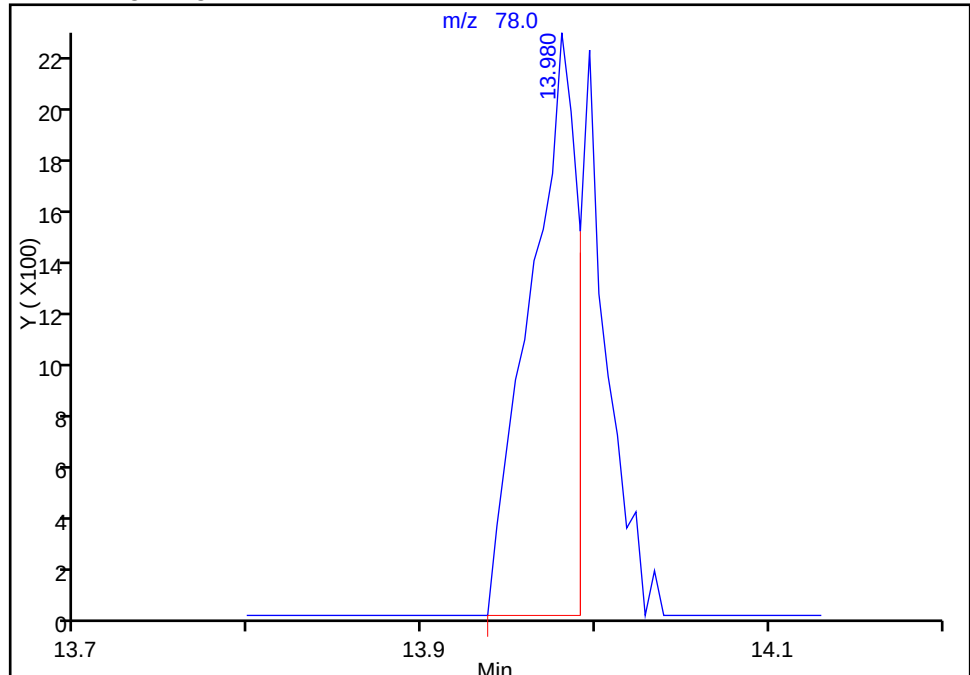
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_014.d |                |              |
| Injection Date: | 25-Apr-2014 22:34:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-8                                          | Lab Sample ID: | 200-54595-8  |
| Client ID:      | 101CA01CA                                              |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 11           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 15           |

## 50 Benzene, CAS: 71-43-2

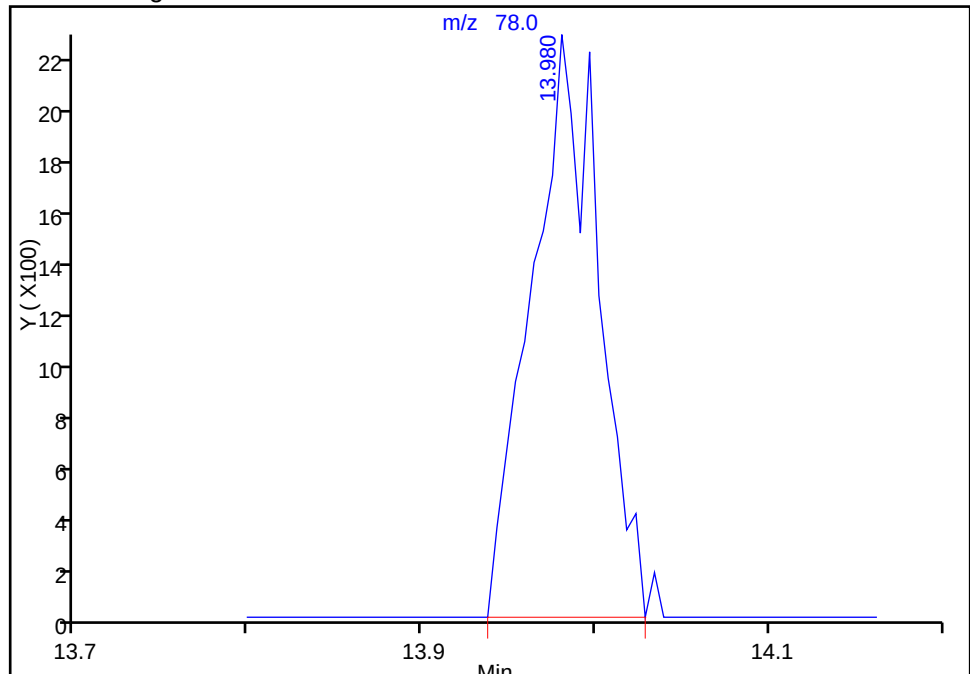
RT: 13.98  
Response: 4320  
Amount: 0.083672

## Processing Integration Results



RT: 13.98  
Response: 6214  
Amount: 0.120355

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:28:41  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

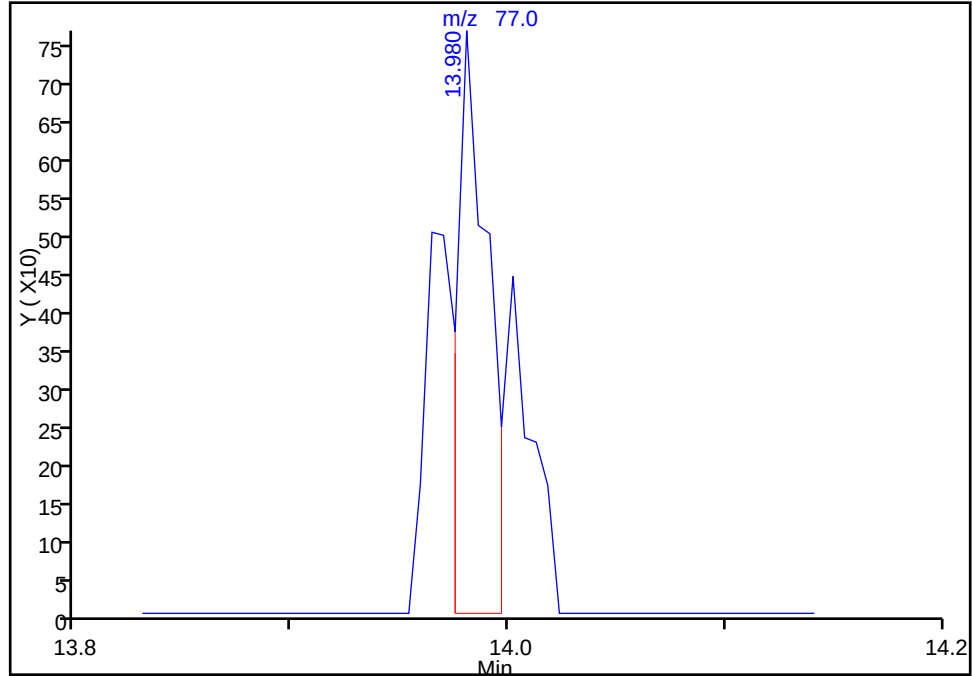
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_014.d |                |              |
| Injection Date: | 25-Apr-2014 22:34:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-8                                          | Lab Sample ID: | 200-54595-8  |
| Client ID:      | 101CA01CA                                              |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 11           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 15           |

## 50 Benzene, CAS: 71-43-2

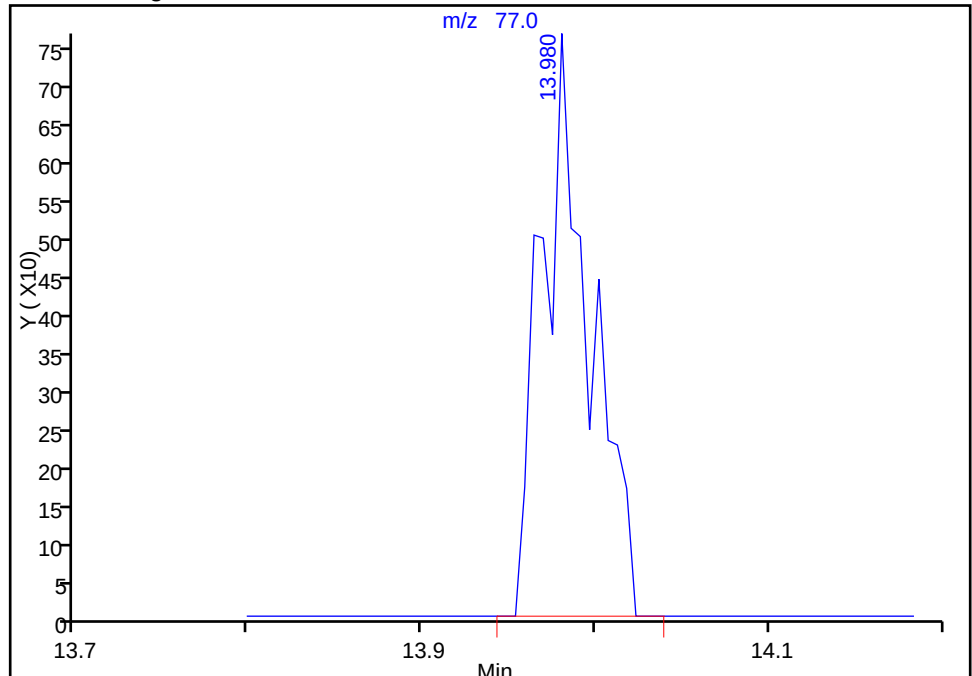
RT: 13.98  
Response: 767  
Amount: 0.083672

## Processing Integration Results



RT: 13.98  
Response: 1485  
Amount: 0.120355

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:28:41  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

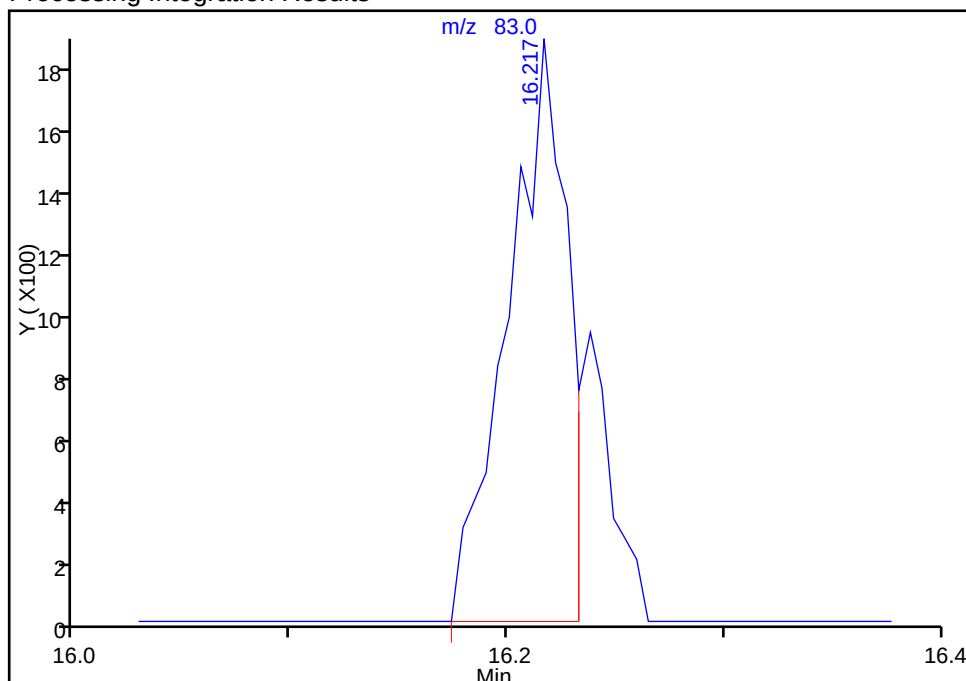
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_014.d |                |              |
| Injection Date: | 25-Apr-2014 22:34:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-8                                          | Lab Sample ID: | 200-54595-8  |
| Client ID:      | 101CA01CA                                              |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 11           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 15           |

**62 Dichlorobromomethane, CAS: 75-27-4**

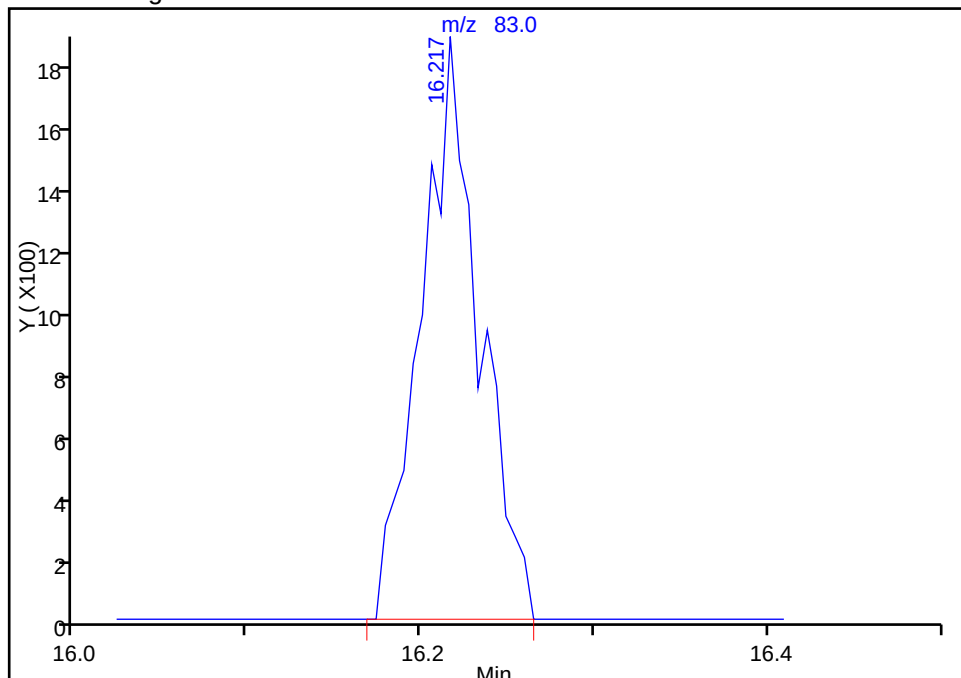
RT: 16.22  
Response: 3526  
Amount: 0.077486

## Processing Integration Results



RT: 16.22  
Response: 4308  
Amount: 0.094672

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:28:41  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

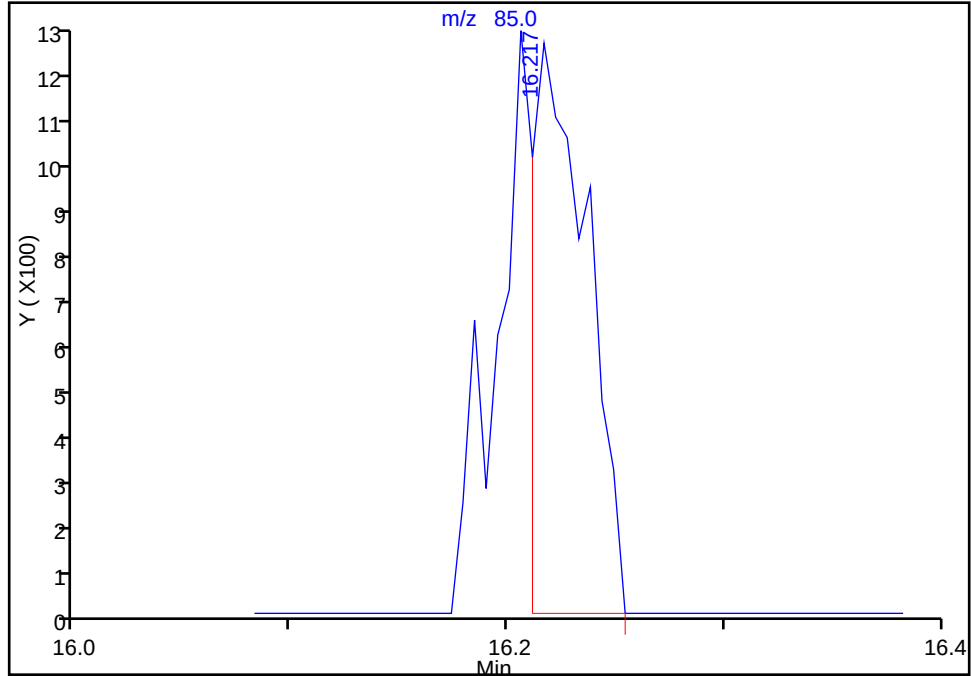
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223_014.d |                |              |
| Injection Date: | 25-Apr-2014 22:34:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | 280-54595-A-8                                          | Lab Sample ID: | 200-54595-8  |
| Client ID:      | 101CA01CA                                              |                |              |
| Operator ID:    | pad                                                    | ALS Bottle#:   | 11           |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 15           |

**62 Dichlorobromomethane, CAS: 75-27-4**

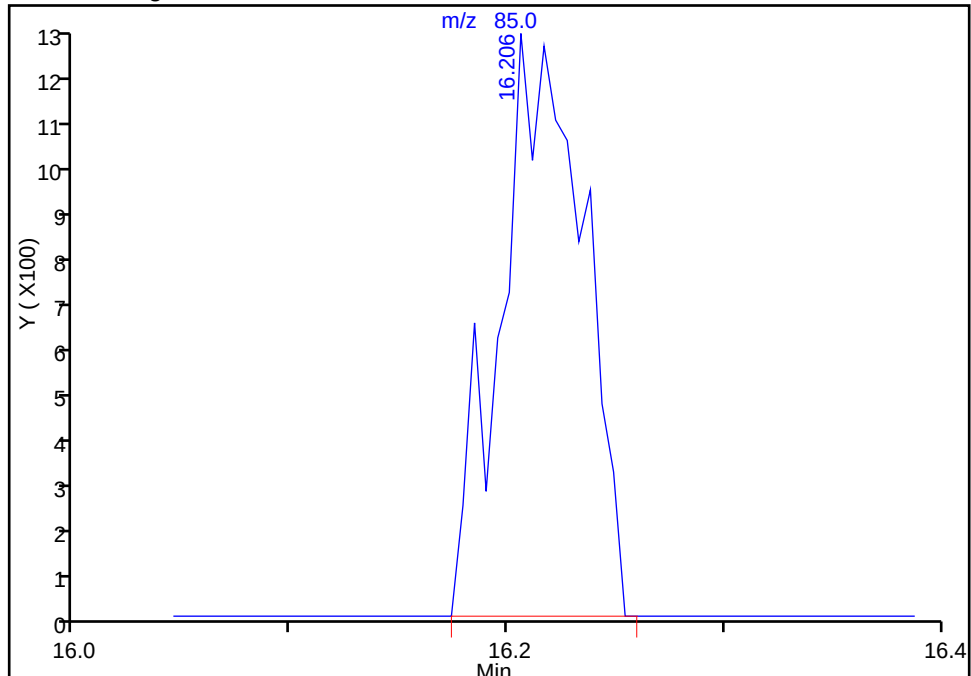
RT: 16.22  
Response: 2093  
Amount: 0.077486

## Processing Integration Results



RT: 16.21  
Response: 3230  
Amount: 0.094672

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 12:28:41  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 041614TB Lab Sample ID: 280-54595-9

Matrix: Air Lab File ID: 7223\_015.d

Analysis Method: TO-15 Date Collected: 04/16/2014 12:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23

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.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|---|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.080  | U | 0.50 | 0.030 |
| 75-45-6   | Freon 22                      | 86.47            | 0.080  | U | 0.50 | 0.048 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.080  | U | 0.20 | 0.035 |
| 74-87-3   | Chloromethane                 | 50.49            | 0.50   | U | 0.50 | 0.14  |
| 106-97-8  | n-Butane                      | 58.12            | 0.50   | U | 0.50 | 0.28  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.080  | U | 0.20 | 0.038 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.080  | U | 0.20 | 0.042 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.080  | U | 0.20 | 0.028 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.080  | U | 0.50 | 0.030 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.080  | U | 0.20 | 0.030 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.080  | U | 0.20 | 0.030 |
| 76-13-1   | Freon TF                      | 187.38           | 0.030  | U | 0.20 | 0.018 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.080  | U | 0.20 | 0.024 |
| 67-64-1   | Acetone                       | 58.08            | 2.5    | U | 5.0  | 1.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 0.50   | U | 5.0  | 0.22  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.20   | U | 0.50 | 0.066 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.080  | U | 0.50 | 0.034 |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.20   | U | 0.50 | 0.13  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 0.50   | U | 5.0  | 0.33  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.080  | U | 0.20 | 0.022 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.080  | U | 0.20 | 0.029 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.080  | U | 0.20 | 0.034 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.080  | U | 0.20 | 0.038 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 0.50   | U | 0.50 | 0.24  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.080  | U | 0.20 | 0.038 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.080  | U | 0.20 | 0.064 |
| 67-66-3   | Chloroform                    | 119.38           | 0.080  | U | 0.20 | 0.025 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.080  | U | 5.0  | 0.046 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.080  | U | 0.20 | 0.021 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.080  | U | 0.20 | 0.025 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.080  | U | 0.20 | 0.021 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.080  | U | 0.20 | 0.027 |
| 71-43-2   | Benzene                       | 78.11            | 0.030  | U | 0.20 | 0.019 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.030  | U | 0.20 | 0.017 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 041614TB Lab Sample ID: 280-54595-9

Matrix: Air Lab File ID: 7223\_015.d

Analysis Method: TO-15 Date Collected: 04/16/2014 12:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23

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.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL     |
|-------------|----------------------------------|------------------|--------|---|------|--------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.080  | U | 0.20 | 0.046  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.080  | U | 0.20 | 0.024  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.080  | U | 0.50 | 0.030  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.080  | U | 0.20 | 0.032  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.20   | U | 5.0  | 0.20   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.030  | U | 0.20 | 0.017  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.080  | U | 0.20 | 0.028  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.080  | U | 0.50 | 0.027  |
| 108-88-3    | Toluene                          | 92.14            | 0.030  | U | 0.20 | 0.017  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.080  | U | 0.20 | 0.022  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.030  | U | 0.20 | 0.017  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.030  | U | 0.20 | 0.016  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.20   | U | 0.50 | 0.20   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.030  | U | 0.20 | 0.020  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.080  | U | 0.20 | 0.020  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.030  | U | 0.20 | 0.0081 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.030  | U | 0.20 | 0.013  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.080  | U | 0.50 | 0.023  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.030  | U | 0.20 | 0.016  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.080  | U | 0.20 | 0.034  |
| 100-42-5    | Styrene                          | 104.15           | 0.030  | U | 0.20 | 0.018  |
| 75-25-2     | Bromoform                        | 252.75           | 0.030  | U | 0.20 | 0.010  |
| 98-82-8     | Cumene                           | 120.19           | 0.030  | U | 0.20 | 0.016  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.030  | U | 0.20 | 0.016  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.080  | U | 0.20 | 0.080  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.030  | U | 0.20 | 0.018  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.030  | U | 0.20 | 0.012  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.030  | U | 0.20 | 0.013  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.030  | U | 0.20 | 0.017  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.030  | U | 0.20 | 0.014  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.080  | U | 0.20 | 0.080  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.080  | U | 0.20 | 0.080  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.030  | U | 0.20 | 0.014  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.030  | U | 0.20 | 0.014  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 041614TB Lab Sample ID: 280-54595-9  
Matrix: Air Lab File ID: 7223\_015.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 12:00  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23  
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.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.080  | U | 0.20 | 0.080 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.080  | U | 0.20 | 0.080 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.030  | U | 0.20 | 0.014 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.080  | U | 0.50 | 0.027 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.080  | U | 0.20 | 0.022 |
| 91-20-3  | Naphthalene            | 128.17           | 0.20   | U | 0.50 | 0.20  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 041614TB Lab Sample ID: 280-54595-9

Matrix: Air Lab File ID: 7223\_015.d

Analysis Method: TO-15 Date Collected: 04/16/2014 12:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23

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.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|---|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.40   | U | 2.5  | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.28   | U | 1.8  | 0.17  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.56   | U | 1.4  | 0.24  |
| 74-87-3   | Chloromethane                 | 50.49            | 1.0    | U | 1.0  | 0.28  |
| 106-97-8  | n-Butane                      | 58.12            | 1.2    | U | 1.2  | 0.67  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.20   | U | 0.51 | 0.097 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.18   | U | 0.44 | 0.093 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.31   | U | 0.78 | 0.11  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.21   | U | 1.3  | 0.079 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.35   | U | 0.87 | 0.13  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.45   | U | 1.1  | 0.17  |
| 76-13-1   | Freon TF                      | 187.38           | 0.23   | U | 1.5  | 0.14  |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.32   | U | 0.79 | 0.095 |
| 67-64-1   | Acetone                       | 58.08            | 5.9    | U | 12   | 3.0   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 1.2    | U | 12   | 0.53  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.62   | U | 1.6  | 0.21  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.25   | U | 1.6  | 0.11  |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.69   | U | 1.7  | 0.43  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 1.5    | U | 15   | 0.99  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.29   | U | 0.72 | 0.079 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.32   | U | 0.79 | 0.11  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.28   | U | 0.70 | 0.12  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.32   | U | 0.81 | 0.15  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 1.5    | U | 1.5  | 0.71  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.32   | U | 0.79 | 0.15  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.32   | U | 0.79 | 0.25  |
| 67-66-3   | Chloroform                    | 119.38           | 0.39   | U | 0.98 | 0.12  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.24   | U | 15   | 0.14  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.44   | U | 1.1  | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.28   | U | 0.69 | 0.086 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.50   | U | 1.3  | 0.13  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.37   | U | 0.93 | 0.13  |
| 71-43-2   | Benzene                       | 78.11            | 0.096  | U | 0.64 | 0.061 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.12   | U | 0.81 | 0.069 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: 041614TB Lab Sample ID: 280-54595-9

Matrix: Air Lab File ID: 7223\_015.d

Analysis Method: TO-15 Date Collected: 04/16/2014 12:00

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23

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.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|---|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.33   | U | 0.82 | 0.19  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.43   | U | 1.1  | 0.13  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.33   | U | 2.0  | 0.12  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.37   | U | 0.92 | 0.15  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.72   | U | 18   | 0.72  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.20   | U | 1.3  | 0.11  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.36   | U | 0.91 | 0.13  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.33   | U | 2.0  | 0.11  |
| 108-88-3    | Toluene                          | 92.14            | 0.11   | U | 0.75 | 0.064 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.36   | U | 0.91 | 0.10  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.16   | U | 1.1  | 0.093 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.20   | U | 1.4  | 0.11  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.82   | U | 2.0  | 0.82  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.26   | U | 1.7  | 0.17  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.61   | U | 1.5  | 0.15  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.14   | U | 0.92 | 0.037 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.13   | U | 0.87 | 0.056 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.35   | U | 2.2  | 0.10  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.13   | U | 0.87 | 0.069 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.35   | U | 0.87 | 0.15  |
| 100-42-5    | Styrene                          | 104.15           | 0.13   | U | 0.85 | 0.077 |
| 75-25-2     | Bromoform                        | 252.75           | 0.31   | U | 2.1  | 0.10  |
| 98-82-8     | Cumene                           | 120.19           | 0.15   | U | 0.98 | 0.079 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.21   | U | 1.4  | 0.11  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.39   | U | 0.98 | 0.39  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.15   | U | 0.98 | 0.088 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.15   | U | 0.98 | 0.059 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.16   | U | 1.0  | 0.067 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.16   | U | 1.1  | 0.093 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.15   | U | 0.98 | 0.069 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.44   | U | 1.1  | 0.44  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.44   | U | 1.1  | 0.44  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.18   | U | 1.2  | 0.084 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.18   | U | 1.2  | 0.084 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 041614TB Lab Sample ID: 280-54595-9  
Matrix: Air Lab File ID: 7223\_015.d  
Analysis Method: TO-15 Date Collected: 04/16/2014 12:00  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 23:23  
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.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ | DL    |
|----------|------------------------|------------------|--------|---|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.41   | U | 1.0 | 0.41  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.44   | U | 1.1 | 0.44  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.18   | U | 1.2 | 0.084 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.59   | U | 3.7 | 0.20  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.85   | U | 2.1 | 0.23  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U | 2.6 | 1.0   |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_015.d  
 Lims ID: 280-54595-A-9 Lab Sample ID: 200-54595-9  
 Client ID: 041614TB  
 Sample Type: Client  
 Inject. Date: 25-Apr-2014 23:23:30 ALS Bottle#: 12 Worklist Smp#: 16  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-016  
 Misc. Info.: 280-54595-A-9  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LL NJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:31:51 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 12:28:56

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 2 Dichlorodifluoromethane      | 85  |              | 4.474            |                  |    |          |                      |       |
| 6 Chlorodifluoromethane        | 51  |              | 4.544            |                  |    |          |                      |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |              | 4.827            |                  |    |          |                      |       |
| 8 Chloromethane                | 50  |              | 5.025            |                  |    |          |                      |       |
| 9 Butane                       | 43  |              | 5.287            |                  |    |          |                      |       |
| 10 Vinyl chloride              | 62  |              | 5.341            |                  |    |          |                      |       |
| 11 Butadiene                   | 54  |              | 5.448            |                  |    |          |                      |       |
| 12 Bromomethane                | 94  |              | 6.314            |                  |    |          |                      |       |
| 14 Chloroethane                | 64  |              | 6.587            |                  |    |          |                      |       |
| 16 Vinyl bromide               | 106 |              | 7.074            |                  |    |          |                      |       |
| 17 Trichlorofluoromethane      | 101 |              | 7.186            |                  |    |          |                      |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |              | 8.428            |                  |    |          |                      |       |
| 24 1,1-Dichloroethene          | 96  |              | 8.508            |                  |    |          |                      |       |
| 25 Acetone                     | 43  |              | 8.743            |                  |    |          |                      |       |
| 26 Carbon disulfide            | 76  |              | 9.000            |                  |    |          |                      |       |
| 27 Isopropyl alcohol           | 45  |              | 9.043            |                  |    |          |                      |       |
| 29 3-Chloro-1-propene          | 41  |              | 9.396            |                  |    |          |                      |       |
| 31 Methylene Chloride          | 49  |              | 9.722            |                  |    |          |                      |       |
| 32 2-Methyl-2-propanol         | 59  |              | 9.909            |                  |    |          |                      |       |
| 33 Methyl tert-butyl ether     | 73  |              | 10.155           |                  |    |          |                      |       |
| S 41 1,2-Dichloroethene, Total | 61  |              | 10.200           |                  |    |          |                      |       |
| 34 trans-1,2-Dichloroethene    | 61  |              | 10.225           |                  |    |          |                      |       |
| 36 Hexane                      | 57  |              | 10.642           |                  |    |          |                      |       |
| 37 1,1-Dichloroethane          | 63  |              | 11.188           |                  |    |          |                      |       |
| 39 cis-1,2-Dichloroethene      | 96  |              | 12.370           |                  |    |          |                      |       |
| 40 2-Butanone (MEK)            | 72  |              | 12.392           |                  |    |          |                      |       |
| 44 Tetrahydrofuran             | 42  |              | 12.846           |                  |    |          |                      |       |
| * 43 Chlorobromomethane        | 128 | 12.852       | 12.852           | 0.000            | 69 | 135844   | 10.0                 |       |
| 45 Chloroform                  | 83  |              | 12.959           |                  |    |          |                      |       |
| 46 Cyclohexane                 | 84  |              | 13.258           |                  |    |          |                      |       |
| 47 1,1,1-Trichloroethane       | 97  |              | 13.269           |                  |    |          |                      |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 48 Carbon tetrachloride        | 117 |              | 13.520           |                  |    |          |                      |       |
| 51 Isooctane                   | 57  |              | 13.916           |                  |    |          |                      |       |
| 50 Benzene                     | 78  |              | 13.975           |                  |    |          |                      |       |
| 52 1,2-Dichloroethane          | 62  |              | 14.136           |                  |    |          |                      |       |
| 53 n-Heptane                   | 43  |              | 14.269           |                  |    |          |                      |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735       | 14.735           | 0.000            | 94 | 668166   | 10.0                 |       |
| 56 Trichloroethene             | 95  |              | 15.200           |                  |    |          |                      |       |
| 58 1,2-Dichloropropane         | 63  |              | 15.725           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  |              | 15.805           |                  |    |          |                      |       |
| 60 1,4-Dioxane                 | 88  |              | 15.896           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 16.217           |                  |    |          |                      |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 17.073           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |              | 17.313           |                  |    |          |                      |       |
| 66 Toluene                     | 92  |              | 17.650           |                  |    |          |                      |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 18.180           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 18.555           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 |              | 18.688           |                  |    |          |                      |       |
| 73 2-Hexanone                  | 43  |              | 18.934           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 19.309           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 19.592           |                  |    |          |                      |       |
| S 82 Xylenes, Total            | 106 |              | 20.100           |                  |    |          |                      |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432       | 20.432           | 0.000            | 85 | 569248   | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 20.491           |                  |    |          |                      |       |
| 78 Ethylbenzene                | 91  |              | 20.603           |                  |    |          |                      |       |
| 80 m-Xylene & p-Xylene         | 106 |              | 20.823           |                  |    |          |                      |       |
| 83 o-Xylene                    | 106 |              | 21.534           |                  |    |          |                      |       |
| 84 Styrene                     | 104 |              | 21.572           |                  |    |          |                      |       |
| 85 Bromoform                   | 173 |              | 21.952           |                  |    |          |                      |       |
| 86 Isopropylbenzene            | 105 |              | 22.101           |                  |    |          |                      |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433       | 22.438           | -0.005           | 90 | 384279   | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |              | 22.663           |                  |    |          |                      |       |
| 90 N-Propylbenzene             | 91  |              | 22.733           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 |              | 22.904           |                  |    |          |                      |       |
| 92 2-Chlorotoluene             | 91  |              | 22.936           |                  |    |          |                      |       |
| 94 1,3,5-Trimethylbenzene      | 105 |              | 22.995           |                  |    |          |                      |       |
| 96 tert-Butylbenzene           | 119 |              | 23.471           |                  |    |          |                      |       |
| 97 1,2,4-Trimethylbenzene      | 105 |              | 23.562           |                  |    |          |                      |       |
| 98 sec-Butylbenzene            | 105 |              | 23.803           |                  |    |          |                      |       |
| 99 4-Isopropyltoluene          | 119 |              | 24.001           |                  |    |          |                      |       |
| 100 1,3-Dichlorobenzene        | 146 |              | 24.070           |                  |    |          |                      |       |
| 101 1,4-Dichlorobenzene        | 146 |              | 24.215           |                  |    |          |                      |       |
| 102 Benzyl chloride            | 91  |              | 24.429           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 24.637           |                  |    |          |                      |       |
| 105 1,2-Dichlorobenzene        | 146 |              | 24.824           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 27.708           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 27.911           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 28.296           |                  |    |          |                      |       |



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_015.d

Injection Date: 25-Apr-2014 23:23:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: 280-54595-A-9

Lab Sample ID: 200-54595-9

Worklist Smp#: 16

Client ID: 041614TB

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

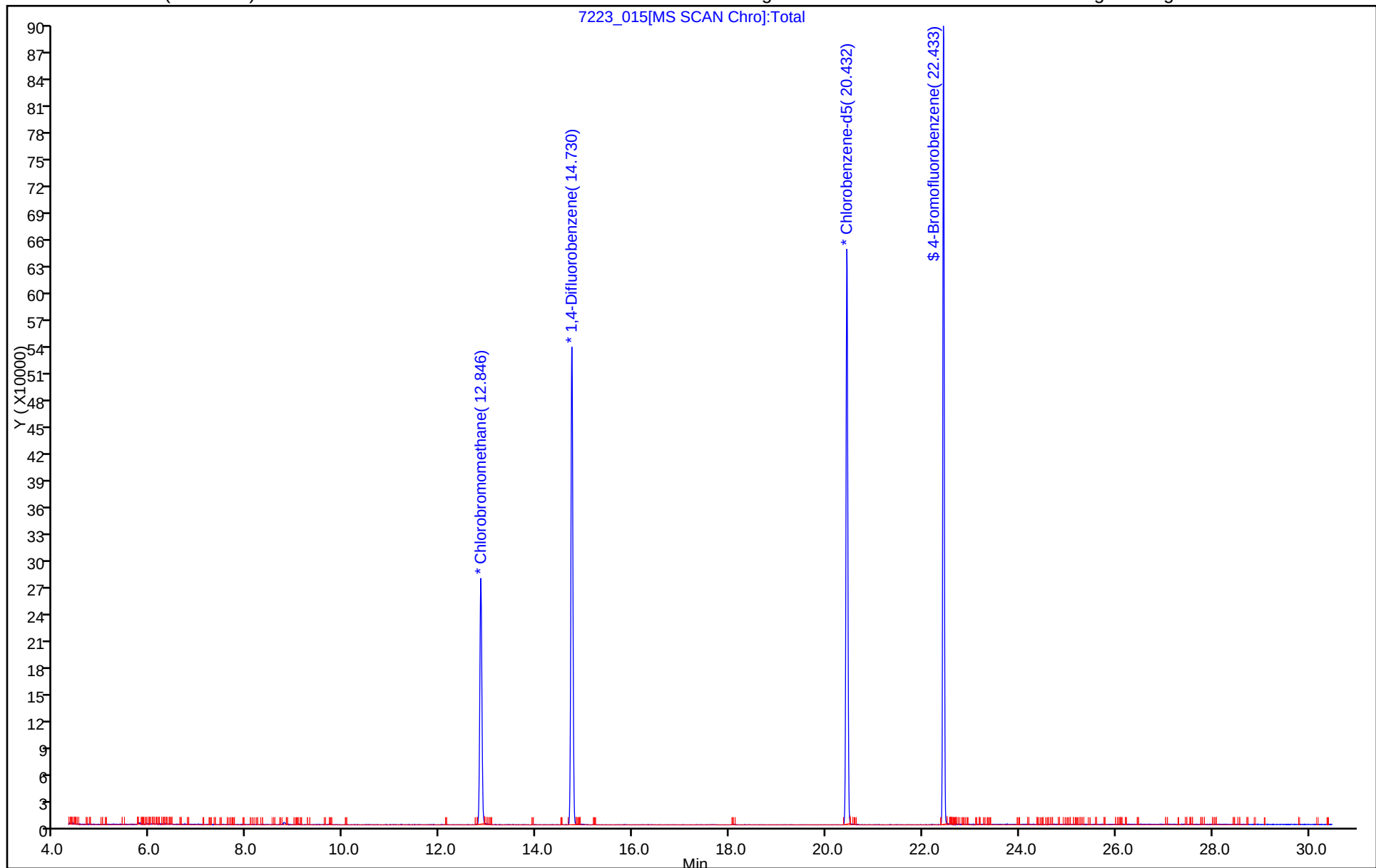
ALS Bottle#: 12

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-68234/4   | 6101_004.d   |
| Level 2 | IC 200-68234/5   | 6101_005.d   |
| Level 3 | IC 200-68234/6   | 6101_006.d   |
| Level 4 | IC 200-68234/7   | 6101_007.d   |
| Level 5 | ICIS 200-68234/8 | 6101_008.d   |
| Level 6 | IC 200-68234/9   | 6101_009.d   |
| Level 7 | IC 200-68234/10  | 6101_010.d   |
| Level 8 | IC 200-68234/11  | 6101_011.d   |

| ANALYTE                       | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Propylene                     | ++++<br>0.6294   | ++++<br>0.6005   | 0.7612<br>0.5795 | 0.7042 | 0.6858 | Ave           |             | 0.6601 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Dichlorodifluoromethane       | ++++<br>4.3690   | ++++<br>4.0983   | 5.3945<br>3.8142 | 5.0215 | 4.7439 | Ave           |             | 4.5735 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Freon 22                      | ++++<br>1.6610   | ++++<br>1.5826   | 1.9840<br>1.5227 | 1.8515 | 1.7934 | Ave           |             | 1.7325 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorotetrafluoroethane | ++++<br>3.5664   | 5.0122<br>3.3414 | 4.3260<br>3.1369 | 4.0359 | 3.8799 | Ave           |             | 3.8998 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| Chloromethane                 | ++++<br>0.7437   | ++++<br>0.7184   | 0.9058<br>0.7076 | 0.8386 | 0.8095 | Ave           |             | 0.7873 |    |   |         | 9.9  |   | 30.0        |               |   |                   |
| n-Butane                      | ++++<br>1.2795   | ++++<br>1.2234   | 1.3155<br>1.1895 | 1.3115 | 1.3348 | Ave           |             | 1.2757 |    |   |         | 4.5  |   | 30.0        |               |   |                   |
| Vinyl chloride                | 1.3892<br>1.0569 | 1.3184<br>1.0251 | 1.0925<br>0.9932 | 1.1074 | 1.0789 | Ave           |             | 1.1327 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| 1,3-Butadiene                 | ++++<br>0.7091   | 0.7358<br>0.6905 | 0.6461<br>0.6679 | 0.7193 | 0.7091 | Ave           |             | 0.6968 |    |   |         | 4.5  |   | 30.0        |               |   |                   |
| Bromomethane                  | ++++<br>1.0481   | 1.5278<br>1.0801 | 1.2106<br>1.0258 | 1.1890 | 1.1185 | Ave           |             | 1.1714 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Chloroethane                  | ++++<br>0.5782   | ++++<br>0.5731   | 0.6645<br>0.5700 | 0.6278 | 0.6028 | Ave           |             | 0.6027 |    |   |         | 6.2  |   | 30.0        |               |   |                   |
| Isopentane                    | ++++<br>0.9338   | 1.1843<br>0.9163 | 0.9584<br>0.8875 | 0.9726 | 0.9615 | Ave           |             | 0.9735 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Bromoethene (Vinyl Bromide)   | ++++<br>1.5391   | 1.7161<br>1.4821 | 1.5083<br>1.4343 | 1.6162 | 1.6319 | Ave           |             | 1.5611 |    |   |         | 6.3  |   | 30.0        |               |   |                   |
| Trichlorofluoromethane        | ++++<br>4.6839   | 6.5595<br>4.4690 | 5.5889<br>4.2756 | 5.2645 | 5.0430 | Ave           |             | 5.1263 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| n-Pentane                     | ++++<br>1.4023   | ++++<br>1.3348   | 1.2199<br>1.3000 | 1.4499 | 1.4794 | Ave           |             | 1.3644 |    |   |         | 7.2  |   | 30.0        |               |   |                   |

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                  | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                          | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethanol                  | +++++<br>0.2920  | +++++<br>0.2841  | 0.2909<br>0.2764 | 0.2713 | 0.3009 | Ave           |             | 0.2860 |    |   |         | 3.8  |   | 30.0        |               |   |                   |
| Ethyl ether              | +++++<br>0.7351  | 0.6622<br>0.7136 | 0.6596<br>0.7048 | 0.7564 | 0.7651 | Ave           |             | 0.7138 |    |   |         | 5.9  |   | 30.0        |               |   |                   |
| Acrolein                 | +++++<br>0.3004  | +++++<br>0.2940  | +++++<br>0.2796  | 0.3153 | 0.3109 | Ave           |             | 0.3000 |    |   |         | 4.7  |   | 30.0        |               |   |                   |
| Freon TF                 | +++++<br>2.9166  | 4.2091<br>2.7567 | 3.4698<br>2.6038 | 3.3246 | 3.1761 | Ave           |             | 3.2081 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethene       | +++++<br>1.3632  | 1.4753<br>1.3070 | 1.3349<br>1.2606 | 1.4566 | 1.4743 | Ave           |             | 1.3817 |    |   |         | 6.3  |   | 30.0        |               |   |                   |
| Acetone                  | +++++<br>1.4238  | +++++<br>1.4444  | +++++<br>1.2845  | 1.6113 | 1.4963 | Ave           |             | 1.4521 |    |   |         | 8.2  |   | 30.0        |               |   |                   |
| Carbon disulfide         | +++++<br>3.2832  | +++++<br>2.9345  | 3.3491<br>2.8672 | 3.4191 | 3.2429 | Ave           |             | 3.1827 |    |   |         | 7.1  |   | 30.0        |               |   |                   |
| Isopropyl alcohol        | +++++<br>1.2162  | +++++<br>1.1815  | +++++<br>1.1090  | 1.3023 | 1.2739 | Ave           |             | 1.2166 |    |   |         | 6.3  |   | 30.0        |               |   |                   |
| 3-Chloropropene          | +++++<br>1.0487  | 0.9286<br>1.0252 | 0.7433<br>1.0106 | 1.0390 | 1.0832 | Ave           |             | 0.9827 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Acetonitrile             | +++++<br>0.5199  | +++++<br>0.5140  | +++++<br>0.4880  | 0.5862 | 0.5529 | Ave           |             | 0.5322 |    |   |         | 7.1  |   | 30.0        |               |   |                   |
| Methylene Chloride       | +++++<br>0.9409  | +++++<br>0.9123  | 1.2419<br>0.9033 | 1.0592 | 1.0090 | Ave           |             | 1.0111 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| tert-Butyl alcohol       | +++++<br>2.2557  | +++++<br>2.2155  | +++++<br>2.0781  | 2.2015 | 2.2870 | Ave           |             | 2.2076 |    |   |         | 3.6  |   | 30.0        |               |   |                   |
| Methyl tert-butyl ether  | +++++<br>4.0091  | 3.0435<br>3.8886 | 2.8398<br>3.7418 | 4.0343 | 4.0513 | Ave           |             | 3.6583 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| trans-1,2-Dichloroethene | +++++<br>1.6344  | 1.7595<br>1.5639 | 1.6684<br>1.5220 | 1.7833 | 1.7293 | Ave           |             | 1.6658 |    |   |         | 5.9  |   | 30.0        |               |   |                   |
| Acrylonitrile            | +++++<br>0.6283  | +++++<br>0.6063  | 0.5660<br>0.6093 | 0.6573 | 0.6504 | Ave           |             | 0.6196 |    |   |         | 5.4  |   | 30.0        |               |   |                   |
| n-Hexane                 | +++++<br>1.5043  | 1.1190<br>1.4572 | 1.1448<br>1.4113 | 1.5878 | 1.5729 | Ave           |             | 1.3996 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethane       | 2.7266<br>2.0173 | 2.7546<br>1.9640 | 2.2001<br>1.9206 | 2.2209 | 2.1320 | Ave           |             | 2.2420 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Vinyl acetate            | +++++<br>2.2149  | +++++<br>2.1877  | 1.4626<br>2.1148 | 2.2320 | 2.2863 | Ave           |             | 2.0831 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| cis-1,2-Dichloroethene   | +++++<br>1.4436  | 1.4098<br>1.4356 | 1.4144<br>1.3757 | 1.5912 | 1.5451 | Ave           |             | 1.4593 |    |   |         | 5.4  |   | 30.0        |               |   |                   |
| Methyl Ethyl Ketone      | +++++<br>0.5902  | +++++<br>0.5776  | 0.7215<br>0.5405 | 0.6347 | 0.6245 | Ave           |             | 0.6148 |    |   |         | 10.0 |   | 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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                 | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                         | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethyl acetate           | +++++<br>0.1190  | +++++<br>0.1151  | +++++<br>0.1131  | 0.1270 | 0.1233 | Ave           |             | 0.1195 |    |   |         | 4.8  |   | 30.0        |               |   |                   |
| Tetrahydrofuran         | +++++<br>0.1860  | +++++<br>0.1851  | +++++<br>0.1771  | 0.1996 | 0.1984 | Ave           |             | 0.1892 |    |   |         | 5.1  |   | 30.0        |               |   |                   |
| Chloroform              | +++++<br>3.0732  | 4.1322<br>3.0105 | 3.6218<br>2.8781 | 3.4517 | 3.2894 | Ave           |             | 3.3510 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Cyclohexane             | +++++<br>0.3809  | 0.3154<br>0.3730 | 0.3081<br>0.3424 | 0.4205 | 0.4154 | Ave           |             | 0.3651 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,1,1-Trichloroethane   | +++++<br>0.7852  | 0.9829<br>0.7696 | 0.8468<br>0.7201 | 0.8838 | 0.8545 | Ave           |             | 0.8347 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Carbon tetrachloride    | 1.1713<br>0.8663 | 1.1199<br>0.8430 | 0.9312<br>0.7966 | 0.9607 | 0.9380 | Ave           |             | 0.9534 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 2,2,4-Trimethylpentane  | +++++<br>1.0529  | 0.7645<br>1.0172 | 0.7625<br>0.9263 | 1.1501 | 1.1332 | Ave           |             | 0.9724 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| Benzene                 | +++++<br>0.8150  | 0.9816<br>0.7913 | 0.9105<br>0.7343 | 0.9616 | 0.9057 | Ave           |             | 0.8714 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloroethane      | +++++<br>0.4166  | 0.5191<br>0.4099 | 0.4390<br>0.3935 | 0.4618 | 0.4476 | Ave           |             | 0.4411 |    |   |         | 9.4  |   | 30.0        |               |   |                   |
| n-Heptane               | +++++<br>0.3284  | 0.2231<br>0.3162 | 0.2484<br>0.2939 | 0.3624 | 0.3529 | Ave           |             | 0.3036 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| n-Butanol               | +++++<br>0.1058  | +++++<br>0.1125  | +++++<br>0.1061  | 0.0977 | 0.1186 | Ave           |             | 0.1081 |    |   |         | 7.3  |   | 30.0        |               |   |                   |
| Trichloroethene         | 0.4589<br>0.4347 | 0.4693<br>0.4233 | 0.4397<br>0.3971 | 0.4910 | 0.4748 | Ave           |             | 0.4486 |    |   |         | 6.8  |   | 30.0        |               |   |                   |
| 1,2-Dichloropropane     | +++++<br>0.2550  | 0.3007<br>0.2466 | 0.2639<br>0.2342 | 0.2827 | 0.2750 | Ave           |             | 0.2654 |    |   |         | 8.5  |   | 30.0        |               |   |                   |
| Methyl methacrylate     | +++++<br>0.2876  | +++++<br>0.2798  | +++++<br>0.2721  | 0.2990 | 0.2994 | Ave           |             | 0.2752 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,4-Dioxane             | +++++<br>0.1481  | +++++<br>0.1415  | +++++<br>0.1268  | 0.1763 | 0.1701 | Ave           |             | 0.1525 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Dibromomethane          | +++++<br>0.5100  | 0.6673<br>0.4841 | 0.5779<br>0.4480 | 0.6026 | 0.5617 | Ave           |             | 0.5502 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Bromodichloromethane    | +++++<br>0.7400  | 0.8535<br>0.7150 | 0.7723<br>0.6779 | 0.8274 | 0.7903 | Ave           |             | 0.7680 |    |   |         | 8.1  |   | 30.0        |               |   |                   |
| cis-1,3-Dichloropropene | +++++<br>0.4711  | 0.3409<br>0.4666 | 0.3190<br>0.4551 | 0.4883 | 0.4995 | Ave           |             | 0.4344 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| methyl isobutyl ketone  | +++++<br>0.4518  | +++++<br>0.4355  | 0.2919<br>0.4121 | 0.4798 | 0.4815 | Ave           |             | 0.4254 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| n-Octane                | +++++<br>0.4281  | 0.2899<br>0.4033 | 0.3484<br>0.3570 | 0.5184 | 0.4715 | Ave           |             | 0.4024 |    |   |         | 19.0 |   | 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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                          | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|----------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                                  | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Toluene                          | +++++<br>0.7015  | 0.7282<br>0.6512 | 0.7629<br>0.5945 | 0.8604 | 0.7776 | Ave           |             | 0.7252 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| trans-1,3-Dichloropropene        | +++++<br>0.5329  | 0.3930<br>0.5240 | 0.4109<br>0.5158 | 0.5545 | 0.5579 | Ave           |             | 0.4984 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,1,2-Trichloroethane            | +++++<br>0.3413  | 0.4252<br>0.3246 | 0.3744<br>0.3102 | 0.3894 | 0.3660 | Ave           |             | 0.3616 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Tetrachloroethene                | 0.9597<br>0.8537 | 1.0224<br>0.8029 | 0.9267<br>0.7324 | 0.9948 | 0.9266 | Ave           |             | 0.9024 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Methyl Butyl Ketone (2-Hexanone) | +++++<br>0.4501  | +++++<br>0.4442  | 0.2261<br>0.4236 | 0.4324 | 0.4735 | Ave           |             | 0.4083 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| Dibromochloromethane             | +++++<br>1.0003  | 1.0364<br>0.9516 | 0.9746<br>0.8941 | 1.1099 | 1.0631 | Ave           |             | 1.0043 |    |   |         | 7.2  |   | 30.0        |               |   |                   |
| 1,2-Dibromoethane                | +++++<br>0.7392  | 0.7346<br>0.7085 | 0.6884<br>0.6751 | 0.8087 | 0.7809 | Ave           |             | 0.7336 |    |   |         | 6.6  |   | 30.0        |               |   |                   |
| Chlorobenzene                    | +++++<br>1.1084  | 1.5235<br>1.0462 | 1.3524<br>0.9761 | 1.2973 | 1.1881 | Ave           |             | 1.2132 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| Ethylbenzene                     | +++++<br>1.7071  | 1.6756<br>1.6064 | 1.6219<br>1.4483 | 1.9774 | 1.8244 | Ave           |             | 1.6944 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| n-Nonane                         | +++++<br>0.5788  | 0.4864<br>0.5410 | 0.5601<br>0.4884 | 0.6791 | 0.6242 | Ave           |             | 0.5654 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| m,p-Xylene                       | +++++<br>0.6677  | 0.6634<br>0.6211 | 0.7281<br>0.5574 | 0.8165 | 0.7296 | Ave           |             | 0.6834 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Xylene, o-                       | +++++<br>0.6915  | 0.4910<br>0.6479 | 0.5440<br>0.5931 | 0.8057 | 0.7416 | Ave           |             | 0.6450 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| Styrene                          | +++++<br>1.0453  | 0.6521<br>0.9838 | 0.8057<br>0.9093 | 1.2092 | 1.0935 | Ave           |             | 0.9570 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| Bromoform                        | +++++<br>1.0343  | 0.9871<br>0.9672 | 0.9631<br>0.8665 | 1.1569 | 1.0951 | Ave           |             | 1.0100 |    |   |         | 9.4  |   | 30.0        |               |   |                   |
| Cumene                           | +++++<br>2.1406  | 1.4222<br>1.9863 | 1.7913<br>1.6885 | 2.5312 | 2.3242 | Ave           |             | 1.9835 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 1,1,2,2-Tetrachloroethane        | +++++<br>0.9116  | 1.2032<br>0.8541 | 1.0767<br>0.7493 | 1.0847 | 0.9998 | Ave           |             | 0.9828 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| n-Propylbenzene                  | +++++<br>2.3701  | 2.0948<br>2.1679 | 2.2816<br>1.7472 | 2.8945 | 2.5990 | Ave           |             | 2.3079 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichloropropane           | +++++<br>0.7273  | +++++<br>0.6835  | 0.8672<br>0.6040 | 0.8601 | 0.7957 | Ave           |             | 0.7563 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| n-Decane                         | +++++<br>0.8027  | +++++<br>0.7337  | 0.7564<br>0.6206 | 0.9676 | 0.8679 | Ave           |             | 0.7915 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 4-Ethyltoluene                   | +++++<br>2.1921  | 2.1959<br>2.0016 | 2.3631<br>1.6318 | 2.6755 | 2.3934 | Ave           |             | 2.2076 |    |   |         | 15.0 |   | 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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                        | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| 2-Chlorotoluene        | ++++<br>1.8632 | 2.1207<br>1.7042 | 2.1018<br>1.4743 | 2.2531 | 1.9950 | Ave           |             | 1.9303 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,3,5-Trimethylbenzene | ++++<br>2.0118 | 2.1308<br>1.8417 | 2.1747<br>1.5338 | 2.4382 | 2.1710 | Ave           |             | 2.0431 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Alpha Methyl Styrene   | ++++<br>0.9957 | 0.4919<br>0.9323 | 0.5588<br>0.8440 | 1.1073 | 1.0293 | Ave           |             | 0.8513 |    |   |         | 28.0 |   | 30.0        |               |   |                   |
| tert-Butylbenzene      | ++++<br>1.9650 | 1.8100<br>1.8030 | 2.1301<br>1.5161 | 2.4752 | 2.1908 | Ave           |             | 1.9843 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trimethylbenzene | ++++<br>2.0084 | 1.6671<br>1.8434 | 2.0093<br>1.5504 | 2.4407 | 2.1299 | Ave           |             | 1.9499 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| sec-Butylbenzene       | ++++<br>2.6804 | 2.4783<br>2.4289 | 2.8624<br>1.9492 | 3.4276 | 2.9816 | Ave           |             | 2.6869 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 4-Isopropyltoluene     | ++++<br>2.4520 | 1.9363<br>2.2265 | 2.3846<br>1.8085 | 3.0524 | 2.6819 | Ave           |             | 2.3632 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| 1,3-Dichlorobenzene    | ++++<br>1.4227 | 1.4923<br>1.3244 | 1.4971<br>1.1586 | 1.6330 | 1.4201 | Ave           |             | 1.4212 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,4-Dichlorobenzene    | ++++<br>1.4072 | 1.2057<br>1.3176 | 1.2508<br>1.1591 | 1.5402 | 1.3794 | Ave           |             | 1.3229 |    |   |         | 9.9  |   | 30.0        |               |   |                   |
| Benzyl chloride        | ++++<br>1.4364 | 0.6723<br>1.4194 | 0.7331<br>1.3296 | 1.3614 | 1.3643 | Ave           |             | 1.1881 |    |   |         | 28.0 |   | 30.0        |               |   |                   |
| n-Undecane             | ++++<br>0.8198 | ++++<br>0.7329   | ++++<br>0.6074   | 1.0133 | 0.8394 | Ave           |             | 0.8026 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| n-Butylbenzene         | ++++<br>1.8221 | 1.5827<br>1.6637 | 1.9144<br>1.3958 | 2.2483 | 1.9204 | Ave           |             | 1.7925 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorobenzene    | ++++<br>1.3931 | 1.4061<br>1.3041 | 1.4167<br>1.1423 | 1.6069 | 1.4146 | Ave           |             | 1.3834 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| n-Dodecane             | ++++<br>0.6987 | ++++<br>0.6378   | ++++<br>0.0939   | 0.6272 | 0.5681 | Ave           |             | 0.5251 |    |   |         | 47.0 | * | 30.0        |               |   |                   |
| 1,2,4-Trichlorobenzene | ++++<br>0.8751 | ++++<br>0.8427   | 0.4242<br>0.6756 | 0.7568 | 0.6898 | Ave           |             | 0.7107 |    |   |         | 23.0 |   | 30.0        |               |   |                   |
| Hexachlorobutadiene    | ++++<br>1.1276 | 1.3821<br>1.0158 | 1.2268<br>0.5778 | 1.3453 | 1.1928 | Ave           |             | 1.1240 |    |   |         | 24.0 |   | 30.0        |               |   |                   |
| Naphthalene            | ++++<br>1.8494 | ++++<br>1.7066   | 0.4898<br>1.4383 | 1.4694 | 1.3622 | Ave           |             | 1.3860 |    |   |         | 34.0 | * | 30.0        |               |   |                   |
| 1,2,3-Trichlorobenzene | ++++<br>0.8743 | ++++<br>0.8261   | 0.5423<br>0.4546 | 0.8165 | 0.7483 | Ave           |             | 0.6622 |    |   |         | 30.0 |   | 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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-68234/4   | 6101_004.d   |
| Level 2 | IC 200-68234/5   | 6101_005.d   |
| Level 3 | IC 200-68234/6   | 6101_006.d   |
| Level 4 | IC 200-68234/7   | 6101_007.d   |
| Level 5 | ICIS 200-68234/8 | 6101_008.d   |
| Level 6 | IC 200-68234/9   | 6101_009.d   |
| Level 7 | IC 200-68234/10  | 6101_010.d   |
| Level 8 | IC 200-68234/11  | 6101_011.d   |

| ANALYTE                       | IS REF | CURVE TYPE | RESPONSE        |                  |                   |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|-------------------------------|--------|------------|-----------------|------------------|-------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                               |        |            | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Propylene                     | BCM    | Ave        | ++++<br>497717  | ++++<br>661767   | 17418<br>1299181  | 171162  | 343851  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Dichlorodifluoromethane       | BCM    | Ave        | ++++<br>3454862 | ++++<br>4516674  | 123434<br>8550592 | 1220565 | 2378638 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Freon 22                      | BCM    | Ave        | ++++<br>1313467 | ++++<br>1744155  | 45396<br>3413634  | 450035  | 899214  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichlorotetrafluoroethane | BCM    | Ave        | ++++<br>2820237 | 41809<br>3682503 | 98986<br>7032234  | 981010  | 1945417 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chloromethane                 | BCM    | Ave        | ++++<br>588133  | ++++<br>791790   | 20727<br>1586316  | 203833  | 405869  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Butane                      | BCM    | Ave        | ++++<br>1011815 | ++++<br>1348334  | 30101<br>2666551  | 318783  | 669296  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Vinyl chloride                | BCM    | Ave        | 2173<br>835769  | 10997<br>1129770 | 24999<br>2226661  | 269168  | 540976  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3-Butadiene                 | BCM    | Ave        | ++++<br>560716  | 6138<br>760983   | 14783<br>1497279  | 174832  | 355554  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromomethane                  | BCM    | Ave        | ++++<br>828778  | 12744<br>1190336 | 27701<br>2299545  | 289016  | 560804  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chloroethane                  | BCM    | Ave        | ++++<br>457236  | ++++<br>631582   | 15205<br>1277845  | 152598  | 302251  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Isopentane                    | BCM    | Ave        | ++++<br>738402  | 9879<br>1009878  | 21929<br>1989631  | 236416  | 482131  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromoethene (Vinyl Bromide)   | BCM    | Ave        | ++++<br>1217044 | 14315<br>1633426 | 34512<br>3215429  | 392846  | 818236  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Trichlorofluoromethane        | BCM    | Ave        | ++++<br>3703863 | 54715<br>4925201 | 127882<br>9585030 | 1279646 | 2528605 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Pentane                     | BCM    | Ave        | ++++<br>1108891 | ++++<br>1471017  | 27914<br>2914419  | 352418  | 741782  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethanol                       | BCM    | Ave        | ++++<br>308515  | ++++<br>626323   | 66654<br>1549275  | 131994  | 226444  | ++++<br>20.0            | ++++<br>40.0   | 5.01<br>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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                  | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                  |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|--------------------------|-----------|---------------|-----------------|------------------|------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                          |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Ethyl ether              | BCM       | Ave           | ++++<br>581305  | 5524<br>786498   | 15093<br>1580002 | 183849 | 383629  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acrolein                 | BCM       | Ave           | ++++<br>237523  | ++++<br>324034   | ++++<br>626835   | 76637  | 155867  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Freon TF                 | BCM       | Ave           | ++++<br>2306374 | 35110<br>3038104 | 79395<br>5837171 | 808116 | 1592514 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1-Dichloroethene       | BCM       | Ave           | ++++<br>1078004 | 12306<br>1440385 | 30544<br>2826103 | 354054 | 739217  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acetone                  | BCM       | Ave           | ++++<br>1125892 | ++++<br>1591853  | ++++<br>2879495  | 391667 | 750249  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Carbon disulfide         | BCM       | Ave           | ++++<br>2596279 | ++++<br>3234115  | 76631<br>6427705 | 831075 | 1626028 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Isopropyl alcohol        | BCM       | Ave           | ++++<br>961747  | ++++<br>1302161  | ++++<br>2486222  | 316558 | 638753  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| 3-Chloropropene          | BCM       | Ave           | ++++<br>829304  | 7746<br>1129901  | 17007<br>2265645 | 252541 | 543129  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acetonitrile             | BCM       | Ave           | ++++<br>411094  | ++++<br>566435   | ++++<br>1093925  | 142489 | 277223  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Methylene Chloride       | BCM       | Ave           | ++++<br>744018  | ++++<br>1005390  | 28417<br>2025034 | 257469 | 505909  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| tert-Butyl alcohol       | BCM       | Ave           | ++++<br>1783773 | ++++<br>2441672  | ++++<br>4658737  | 535129 | 1146724 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Methyl tert-butyl ether  | BCM       | Ave           | ++++<br>3170295 | 25387<br>4285532 | 64978<br>8388437 | 980616 | 2031361 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| trans-1,2-Dichloroethene | BCM       | Ave           | ++++<br>1292403 | 14677<br>1723602 | 38176<br>3411936 | 433458 | 867076  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acrylonitrile            | BCM       | Ave           | ++++<br>496804  | ++++<br>668184   | 12951<br>1365965 | 159777 | 326101  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Hexane                 | BCM       | Ave           | ++++<br>1189586 | 9334<br>1605996  | 26195<br>3163901 | 385941 | 788682  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1-Dichloroethane       | BCM       | Ave           | 4265<br>1595192 | 22977<br>2164552 | 50341<br>4305646 | 539837 | 1069009 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Vinyl acetate            | BCM       | Ave           | ++++<br>1751501 | ++++<br>2410980  | 33466<br>4741059 | 542530 | 1146393 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| cis-1,2-Dichloroethene   | BCM       | Ave           | ++++<br>1141574 | 11760<br>1582116 | 32364<br>3084080 | 386761 | 774715  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl Ethyl Ketone      | BCM       | Ave           | ++++<br>466744  | ++++<br>636539   | 16509<br>1211726 | 154286 | 313135  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethyl acetate            | BCM       | Ave           | ++++<br>94117   | ++++<br>126901   | ++++<br>253596   | 30878  | 61836   | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Tetrahydrofuran          | DFB       | Ave           | ++++<br>690927  | ++++<br>952136   | ++++<br>1880073  | 222914 | 457039  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                   | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                   |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|---------------------------|-----------|---------------|-----------------|------------------|-------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                           |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Chloroform                | BCM       | Ave           | ++++<br>2430240 | 34468<br>3317829 | 82871<br>6452059  | 839011  | 1649325 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Cyclohexane               | DFB       | Ave           | ++++<br>1414803 | 12613<br>1919134 | 33475<br>3634256  | 469748  | 957033  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,1-Trichloroethane     | DFB       | Ave           | ++++<br>2917040 | 39303<br>3959774 | 92001<br>7644188  | 987246  | 1968604 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Carbon tetrachloride      | DFB       | Ave           | 8697<br>3218312 | 44782<br>4337444 | 101161<br>8456206 | 1073132 | 2161114 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 2,2,4-Trimethylpentane    | DFB       | Ave           | ++++<br>3911322 | 30569<br>5233844 | 82834<br>9832262  | 1284681 | 2610676 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Benzene                   | DFB       | Ave           | ++++<br>3027632 | 39250<br>4071533 | 98915<br>7794483  | 1074151 | 2086670 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichloroethane        | DFB       | Ave           | ++++<br>1547719 | 20756<br>2108882 | 47698<br>4176790  | 515799  | 1031280 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Heptane                 | DFB       | Ave           | ++++<br>1220006 | 8920<br>1627119  | 26991<br>3119323  | 404843  | 813077  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Butanol                 | DFB       | Ave           | ++++<br>393100  | ++++<br>578640   | ++++<br>1126195   | 109119  | 273216  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Trichloroethene           | DFB       | Ave           | 3407<br>1614737 | 18767<br>2178196 | 47767<br>4215341  | 548439  | 1093818 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichloropropane       | DFB       | Ave           | ++++<br>947244  | 12023<br>1268562 | 28669<br>2485785  | 315796  | 633574  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl methacrylate       | DFB       | Ave           | ++++<br>1068481 | ++++<br>1439673  | 23159<br>2888354  | 334014  | 689745  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,4-Dioxane               | DFB       | Ave           | ++++<br>550207  | ++++<br>728137   | ++++<br>1345638   | 196887  | 391865  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Dibromomethane            | DFB       | Ave           | ++++<br>1894498 | 26683<br>2490929 | 62781<br>4755977  | 673103  | 1293999 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromodichloromethane      | DFB       | Ave           | ++++<br>2748878 | 34126<br>3678848 | 83907<br>7195458  | 924191  | 1820765 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| cis-1,3-Dichloropropene   | DFB       | Ave           | ++++<br>1750127 | 13630<br>2400930 | 34655<br>4831261  | 545437  | 1150881 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| methyl isobutyl ketone    | DFB       | Ave           | ++++<br>1678347 | ++++<br>2240568  | 31716<br>4374920  | 535897  | 1109388 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Octane                  | DFB       | Ave           | ++++<br>1590149 | 11592<br>2074970 | 37852<br>3789224  | 579055  | 1086165 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Toluene                   | CBZ       | Ave           | ++++<br>2371159 | 25558<br>3095855 | 73260<br>5834314  | 882590  | 1640930 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| trans-1,3-Dichloropropene | DFB       | Ave           | ++++<br>1979602 | 15715<br>2696132 | 44645<br>5475160  | 619426  | 1285366 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,2-Trichloroethane     | CBZ       | Ave           | ++++<br>1153540 | 14922<br>1543025 | 35957<br>3044405  | 399446  | 772501  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                          | IS REF | CURVE TYPE | RESPONSE        |                   |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|----------------------------------|--------|------------|-----------------|-------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                                  |        |            | LVL 1<br>LVL 6  | LVL 2<br>LVL 7    | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Tetrachloroethene                | CBZ    | Ave        | 6037<br>2885651 | 35883<br>3817042  | 88985<br>7188363   | 1020413 | 1955557 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl Butyl Ketone (2-Hexanone) | CBZ    | Ave        | ++++<br>1521211 | ++++<br>2111642   | 21708<br>4156948   | 443501  | 999194  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Dibromochloromethane             | CBZ    | Ave        | ++++<br>3381129 | 36375<br>4523936  | 93585<br>8774775   | 1138452 | 2243618 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dibromoethane                | CBZ    | Ave        | ++++<br>2498481 | 25783<br>3368163  | 66106<br>6625295   | 829518  | 1647907 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chlorobenzene                    | CBZ    | Ave        | ++++<br>3746501 | 53470<br>4973639  | 129862<br>9580082  | 1330706 | 2507389 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethylbenzene                     | CBZ    | Ave        | ++++<br>5769956 | 58807<br>7636888  | 155744<br>14213914 | 2028333 | 3850088 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Nonane                         | CBZ    | Ave        | ++++<br>1956375 | 17070<br>2571881  | 53782<br>4793442   | 696553  | 1317312 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| m,p-Xylene                       | CBZ    | Ave        | ++++<br>4513409 | 46562<br>5905377  | 139833<br>10940635 | 1675100 | 3079468 | ++++<br>30.0            | 0.401<br>40.0  | 1.00<br>80.0   | 9.99  | 20.0  |
| Xylene, o-                       | CBZ    | Ave        | ++++<br>2337173 | 17232<br>3079865  | 52242<br>5820499   | 826439  | 1565048 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Styrene                          | CBZ    | Ave        | ++++<br>3533241 | 22885<br>4677097  | 77369<br>8924095   | 1240344 | 2307779 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromoform                        | CBZ    | Ave        | ++++<br>3495836 | 34644<br>4598090  | 92486<br>8504614   | 1186666 | 2310981 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Cumene                           | CBZ    | Ave        | ++++<br>7235379 | 49913<br>9442987  | 172015<br>16571499 | 2596374 | 4904975 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,2,2-Tetrachloroethane        | CBZ    | Ave        | ++++<br>3081214 | 42226<br>4060277  | 103396<br>7354083  | 1112645 | 2110021 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Propylbenzene                  | CBZ    | Ave        | ++++<br>8010892 | 73520<br>10306137 | 219094<br>17147954 | 2968983 | 5484899 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2,3-Trichloropropane           | CBZ    | Ave        | ++++<br>2458252 | ++++<br>3249502   | 83276<br>5927464   | 882232  | 1679144 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Decane                         | CBZ    | Ave        | ++++<br>2713052 | ++++<br>3487876   | 72633<br>6090541   | 992488  | 1831550 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 4-Ethyltoluene                   | CBZ    | Ave        | ++++<br>7409410 | 77066<br>9515286  | 226925<br>16015232 | 2744394 | 5051019 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 2-Chlorotoluene                  | CBZ    | Ave        | ++++<br>6297673 | 74427<br>8101828  | 201834<br>14469307 | 2311137 | 4210305 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3,5-Trimethylbenzene           | CBZ    | Ave        | ++++<br>6799820 | 74782<br>8755104  | 208827<br>15053321 | 2501007 | 4581558 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Alpha Methyl Styrene             | CBZ    | Ave        | ++++<br>3365446 | 17264<br>4431870  | 53663<br>8283686   | 1135811 | 2172262 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| tert-Butylbenzene                | CBZ    | Ave        | ++++<br>6641827 | 63525<br>8571312  | 204550<br>14879192 | 2538938 | 4623515 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>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.: 280-54595-1 Analy Batch No.: 68234

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/11/2014 19:12 Calibration End Date: 02/12/2014 00:55 Calibration ID: 25497

| ANALYTE                | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                   |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|------------------------|-----------|---------------|-----------------|-------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                        |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7    | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,4-Trimethylbenzene | CBZ       | Ave           | ++++<br>6788417 | 58508<br>8763488  | 192945<br>15215793 | 2503522 | 4494942 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| sec-Butylbenzene       | CBZ       | Ave           | ++++<br>9059791 | 86979<br>11547049 | 274870<br>19130372 | 3515887 | 6292317 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 4-Isopropyltoluene     | CBZ       | Ave           | ++++<br>8287851 | 67956<br>10584636 | 228988<br>17749239 | 3130978 | 5659873 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4808668 | 52373<br>6295982  | 143765<br>11371054 | 1675063 | 2996936 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,4-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4756349 | 42316<br>6263556  | 120110<br>11376207 | 1579835 | 2911165 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Benzyl chloride        | CBZ       | Ave           | ++++<br>4855035 | 23594<br>6747945  | 70400<br>13049488  | 1396458 | 2879263 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Undecane             | CBZ       | Ave           | ++++<br>2770918 | ++++<br>3484036   | ++++<br>5961631    | 1039378 | 1771437 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| n-Butylbenzene         | CBZ       | Ave           | ++++<br>6158663 | 55546<br>7909203  | 183834<br>13698552 | 2306191 | 4052857 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4708714 | 49347<br>6199708  | 136043<br>11211062 | 1648253 | 2985364 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Dodecane             | CBZ       | Ave           | ++++<br>2361611 | ++++<br>3032210   | ++++<br>921744     | 643320  | 1198806 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| 1,2,4-Trichlorobenzene | CBZ       | Ave           | ++++<br>2957719 | ++++<br>4005998   | 40734<br>6630259   | 776311  | 1455819 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Hexachlorobutadiene    | CBZ       | Ave           | ++++<br>3811308 | 48507<br>4829134  | 117807<br>5670385  | 1379928 | 2517277 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Naphthalene            | CBZ       | Ave           | ++++<br>6251138 | ++++<br>8113281   | 47038<br>14116069  | 1507181 | 2874765 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2,3-Trichlorobenzene | CBZ       | Ave           | ++++<br>2955162 | ++++<br>3927460   | 19032<br>4461825   | 35855   | 837537  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_004.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 1  
 Inject. Date: 11-Feb-2014 19:12:30 ALS Bottle#: 2 Worklist Smp#: 4  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-004  
 Misc. Info.: IC 01  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:23 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:19:51

| Compound                            | Sig | RT    | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|-------------------------------------|-----|-------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                           | 41  |       | 4.383     |           |    |          |                       |       |
| 2 Dichlorodifluoromethane           | 85  |       | 4.479     |           |    |          |                       |       |
| 6 Chlorodifluoromethane             | 51  |       | 4.544     |           |    |          |                       |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro  | 85  |       | 4.832     |           |    |          |                       |       |
| 8 Chloromethane                     | 50  |       | 5.025     |           |    |          |                       |       |
| 9 Butane                            | 43  |       | 5.287     |           |    |          |                       |       |
| 10 Vinyl chloride                   | 62  | 5.341 | 5.346     | -0.005    | 22 | 2173     | 0.0492                |       |
| 11 Butadiene                        | 54  |       | 5.442     |           |    |          |                       |       |
| 13 BFB                              |     |       |           |           |    |          |                       |       |
| 12 Bromomethane                     | 94  |       | 6.314     |           |    |          |                       |       |
| 14 Chloroethane                     | 64  |       | 6.598     |           |    |          |                       |       |
| 15 2-Methylbutane                   | 43  |       | 6.678     |           |    |          |                       |       |
| 16 Vinyl bromide                    | 106 |       | 7.079     |           |    |          |                       |       |
| 17 Trichlorofluoromethane           | 101 |       | 7.192     |           |    |          |                       |       |
| 18 Pentane                          | 43  |       | 7.357     |           |    |          |                       |       |
| 19 Ethanol                          | 45  |       | 7.796     |           |    |          |                       |       |
| 21 Ethyl ether                      | 59  |       | 7.941     |           |    |          |                       |       |
| 22 Acrolein                         | 56  |       | 8.406     |           |    |          |                       |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 101 |       | 8.443     |           |    |          |                       |       |
| 24 1,1-Dichloroethene               | 96  |       | 8.518     |           |    |          |                       |       |
| 25 Acetone                          | 43  |       | 8.748     |           |    |          |                       |       |
| 26 Carbon disulfide                 | 76  |       | 9.000     |           |    |          |                       |       |
| 27 Isopropyl alcohol                | 45  |       | 9.032     |           |    |          |                       |       |
| 29 3-Chloro-1-propene               | 41  |       | 9.406     |           |    |          |                       |       |
| 30 Acetonitrile                     | 41  |       | 9.535     |           |    |          |                       |       |
| 31 Methylene Chloride               | 49  |       | 9.733     |           |    |          |                       |       |
| 32 2-Methyl-2-propanol              | 59  |       | 9.904     |           |    |          |                       |       |
| 33 Methyl tert-butyl ether          | 73  |       | 10.161    |           |    |          |                       |       |
| S 41 1,2-Dichloroethene, Total      | 61  |       | 10.200    |           |    |          |                       |       |
| 34 trans-1,2-Dichloroethene         | 61  |       | 10.236    |           |    |          |                       |       |

| Sig | RT<br>(min.) | Adj RT<br>(min.)            | Dlt RT<br>(min.) | Q      | Response       |        |    | On-Col Amt<br>ppb v/v | Flags  |   |
|-----|--------------|-----------------------------|------------------|--------|----------------|--------|----|-----------------------|--------|---|
|     | 35           |                             |                  | 53     | 10.385         |        |    |                       |        |   |
|     | 36           |                             |                  | 57     | 10.653         |        |    |                       |        |   |
|     | 37           | 1,1-Dichloroethane          | 63               | 11.215 | 11.199         | 0.016  | 28 | 4265                  | 0.0488 |   |
|     | 38           | Vinyl acetate               | 43               |        | 11.236         |        |    |                       |        |   |
|     | 39           | cis-1,2-Dichloroethene      | 96               |        | 12.375         |        |    |                       |        |   |
|     | 40           | 2-Butanone (MEK)            | 72               |        | 12.392         |        |    |                       |        |   |
|     | 42           | Ethyl acetate               | 88               |        | 12.413         |        |    |                       |        |   |
|     | 44           | Tetrahydrofuran             | 42               |        | 12.846         |        |    |                       |        |   |
| *   | 43           | Chlorobromomethane          | 128              | 12.857 | 12.852         | 0.005  | 69 | 390192                | 10.0   |   |
|     | 45           | Chloroform                  | 83               |        | 12.964         |        |    |                       |        |   |
|     | 46           | Cyclohexane                 | 84               |        | 13.264         |        |    |                       |        |   |
|     | 47           | 1,1,1-Trichloroethane       | 97               |        | 13.280         |        |    |                       |        |   |
|     | 48           | Carbon tetrachloride        | 117              | 13.531 | 13.531         | 0.0    | 76 | 8697                  | 0.0493 |   |
|     | 51           | Isooctane                   | 57               |        | 13.927         |        |    |                       |        |   |
|     | 50           | Benzene                     | 78               |        | 13.986         |        |    |                       |        |   |
|     | 52           | 1,2-Dichloroethane          | 62               |        | 14.141         |        |    |                       |        |   |
|     | 53           | n-Heptane                   | 43               |        | 14.275         |        |    |                       |        |   |
| *   | 54           | 1,4-Difluorobenzene         | 114              | 14.746 | 14.745         | 0.001  | 92 | 1852198               | 10.0   |   |
| A   | 57           | GRO                         | 1                | 14.769 | 6.668 - 22.871 | 0      | 0  | 946300                | 0      |   |
|     | 55           | n-Butanol                   | 56               |        | 15.024         |        |    |                       |        |   |
|     | 56           | Trichloroethene             | 95               | 15.206 | 15.211         | -0.005 | 63 | 3407                  | 0.0410 | M |
|     | 58           | 1,2-Dichloropropane         | 63               |        | 15.730         |        |    |                       |        |   |
|     | 59           | Methyl methacrylate         | 69               |        | 15.815         |        |    |                       |        |   |
|     | 60           | 1,4-Dioxane                 | 88               |        | 15.901         |        |    |                       |        |   |
|     | 61           | Dibromomethane              | 174              |        | 15.970         |        |    |                       |        |   |
|     | 62           | Dichlorobromomethane        | 83               |        | 16.222         |        |    |                       |        |   |
| A   | 63           | TVOC as Toluene             | 1                |        | 4.373          | 28.889 |    |                       |        |   |
|     | 64           | cis-1,3-Dichloropropene     | 75               |        | 17.083         |        |    |                       |        |   |
|     | 65           | 4-Methyl-2-pentanone (MIBK) | 43               |        | 17.324         |        |    |                       |        |   |
| A   | 68           | C8 Range                    | 1                | 17.656 | 17.606 -17.706 | 0      | 0  | 21364                 | NC     |   |
|     | 69           | n-Octane                    | 43               |        | 17.656         |        |    |                       |        |   |
|     | 66           | Toluene                     | 92               |        | 17.661         |        |    |                       |        |   |
| A   | 67           | Toluene Range               | 1                | 17.661 | 17.621 -17.701 | 0      | 0  | 21364                 | NC     |   |
|     | 70           | trans-1,3-Dichloropropene   | 75               |        | 18.191         |        |    |                       |        |   |
|     | 71           | 1,1,2-Trichloroethane       | 83               |        | 18.560         |        |    |                       |        |   |
|     | 72           | Tetrachloroethene           | 166              | 18.694 | 18.699         | -0.005 | 75 | 6037                  | 0.0426 | M |
|     | 73           | 2-Hexanone                  | 43               |        | 18.950         |        |    |                       |        |   |
|     | 74           | Chlorodibromomethane        | 129              |        | 19.314         |        |    |                       |        |   |
|     | 75           | Ethylene Dibromide          | 107              |        | 19.603         |        |    |                       |        |   |
| S   | 82           | Xylenes, Total              | 106              |        | 20.100         |        |    |                       |        |   |
| *   | 76           | Chlorobenzene-d5            | 117              | 20.443 | 20.443         | 0.0    | 83 | 1569098               | 10.0   |   |
|     | 77           | Chlorobenzene               | 112              |        | 20.502         |        |    |                       |        |   |
|     | 78           | Ethylbenzene                | 91               |        | 20.614         |        |    |                       |        |   |
|     | 79           | n-Nonane                    | 57               |        | 20.673         |        |    |                       |        |   |
|     | 80           | m-Xylene & p-Xylene         | 106              |        | 20.833         |        |    |                       |        |   |
|     | 83           | o-Xylene                    | 106              |        | 21.545         |        |    |                       |        |   |
|     | 84           | Styrene                     | 104              |        | 21.582         |        |    |                       |        |   |
|     | 85           | Bromoform                   | 173              |        | 21.962         |        |    |                       |        |   |
|     | 86           | Isopropylbenzene            | 105              |        | 22.112         |        |    |                       |        |   |
| \$  | 87           | 4-Bromofluorobenzene        | 95               | 22.444 | 22.444         | 0.0    | 97 | 1030107               | NC     |   |
|     | 88           | 1,1,2,2-Tetrachloroethane   | 83               |        | 22.668         |        |    |                       |        |   |
|     | 90           | N-Propylbenzene             | 91               |        | 22.743         |        |    |                       |        |   |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response | On-Col Amt<br>ppb v/v | Flags |
|-----|------------------------|------------------|------------------|--------|----------|-----------------------|-------|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.770 |          |                       |       |
| 93  | n-Decane               |                  | 57               | 22.861 |          |                       |       |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.909 |          |                       |       |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.946 |          |                       |       |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.005 |          |                       |       |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 |          |                       |       |
| 96  | tert-Butylbenzene      |                  | 119              | 23.481 |          |                       |       |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.572 |          |                       |       |
| 98  | sec-Butylbenzene       |                  | 105              | 23.808 |          |                       |       |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.011 |          |                       |       |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.081 |          |                       |       |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.225 |          |                       |       |
| 102 | Benzyl chloride        |                  | 91               | 24.434 |          |                       |       |
| 104 | Undecane               |                  | 57               | 24.626 |          |                       |       |
| 103 | n-Butylbenzene         |                  | 91               | 24.653 |          |                       |       |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.830 |          |                       |       |
| 106 | Dodecane               |                  | 57               | 26.434 |          |                       |       |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.724 |          |                       |       |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.927 |          |                       |       |
| 109 | Naphthalene            |                  | 128              | 28.312 |          |                       |       |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.879 |          |                       |       |

## QC Flag Legend

Review Flags

M - Manually Integrated

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_004.d

Injection Date: 11-Feb-2014 19:12:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

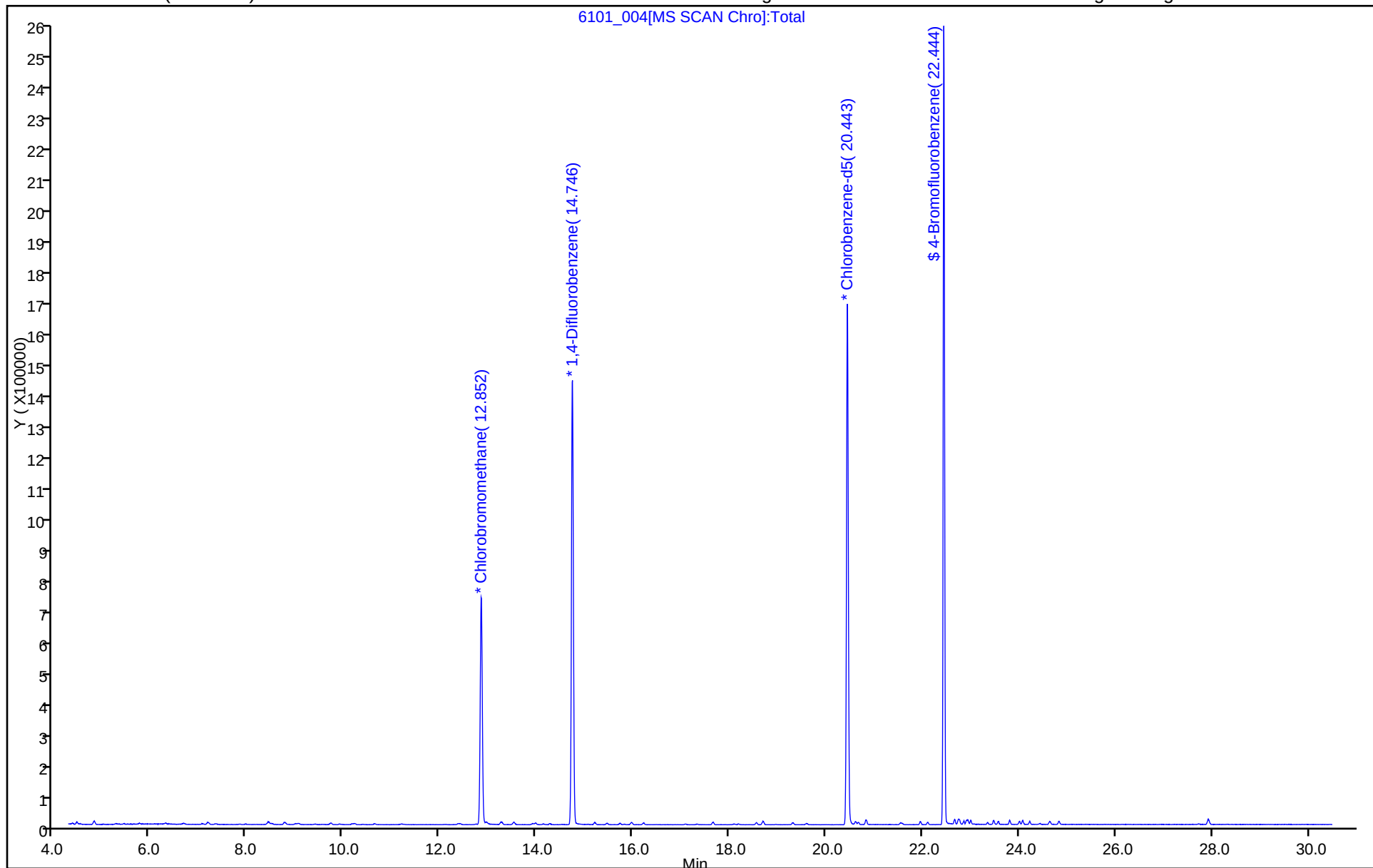
ALS Bottle#: 2

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



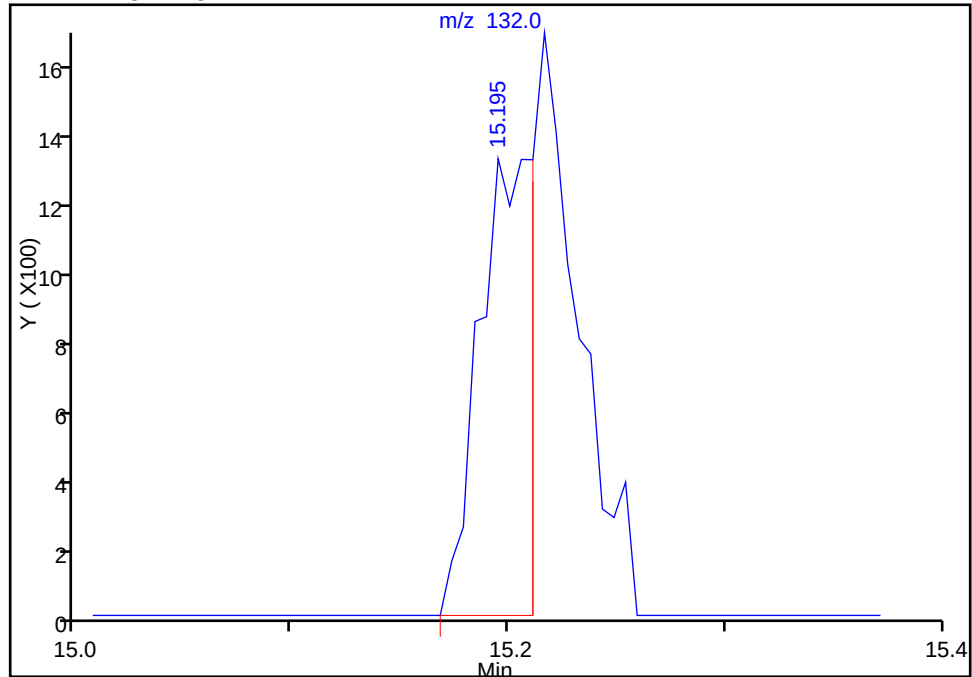
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_004.d  
Injection Date: 11-Feb-2014 19:12:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 4  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector: MS SCAN

**56 Trichloroethene, CAS: 79-01-6**

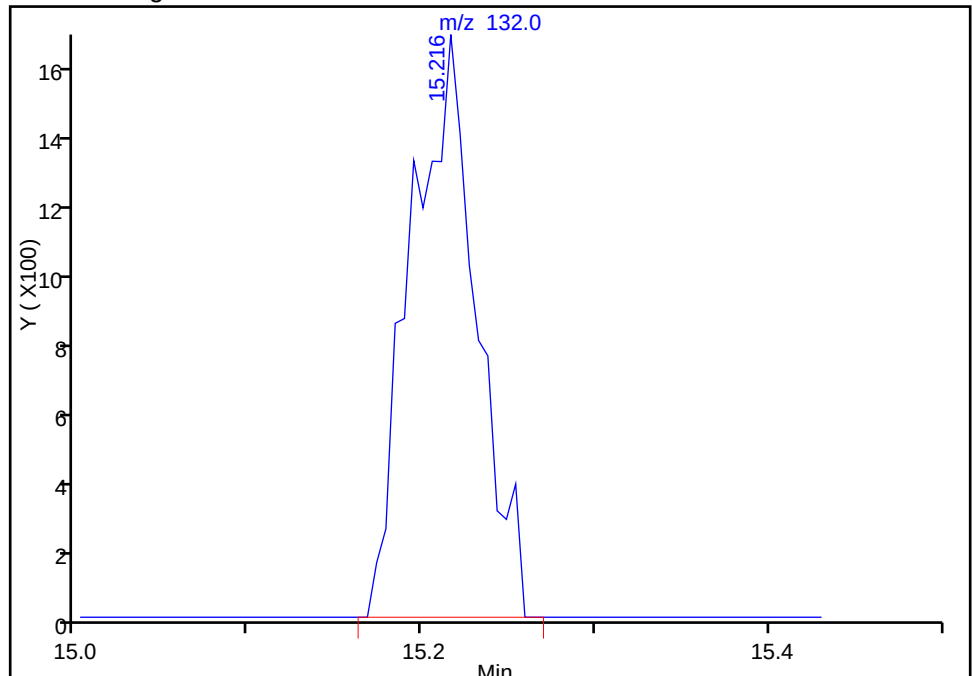
RT: 15.19  
Response: 2350  
Amount: 0.045894

## Processing Integration Results



RT: 15.22  
Response: 4494  
Amount: 0.041004

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:19:51  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



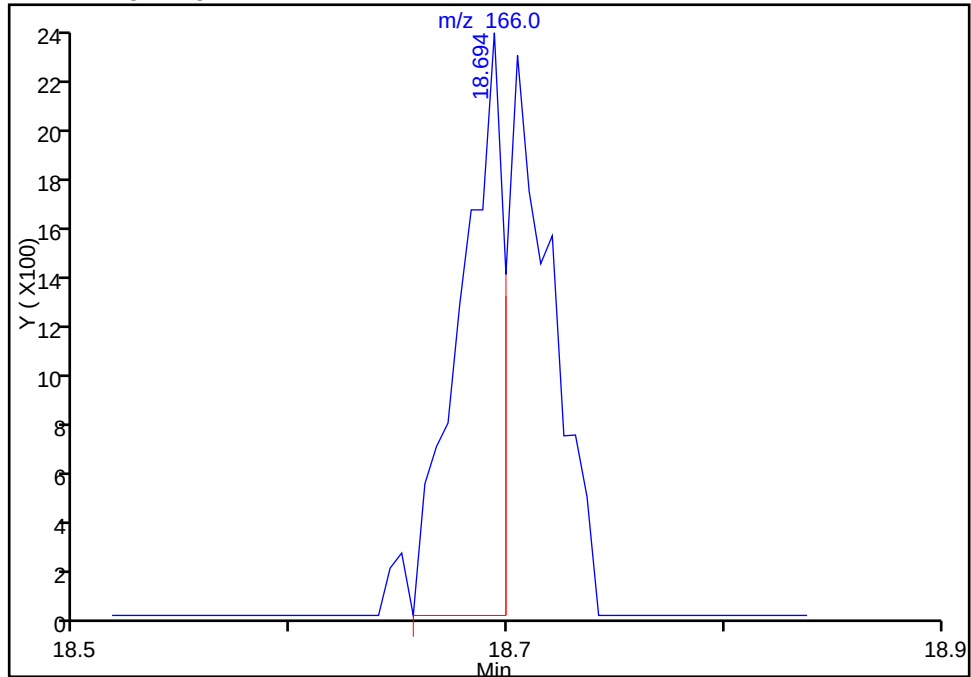
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_004.d  
Injection Date: 11-Feb-2014 19:12:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 4  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**72 Tetrachloroethene, CAS: 127-18-4**

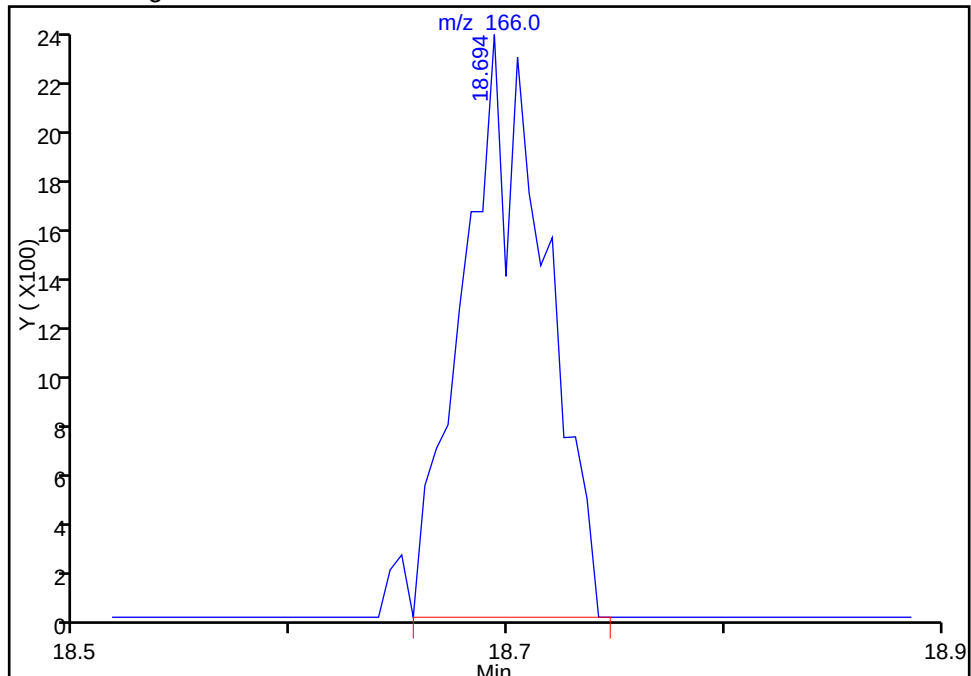
RT: 18.69  
Response: 3238  
Amount: 0.026017

## Processing Integration Results



RT: 18.69  
Response: 6037  
Amount: 0.042635

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:19:51  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

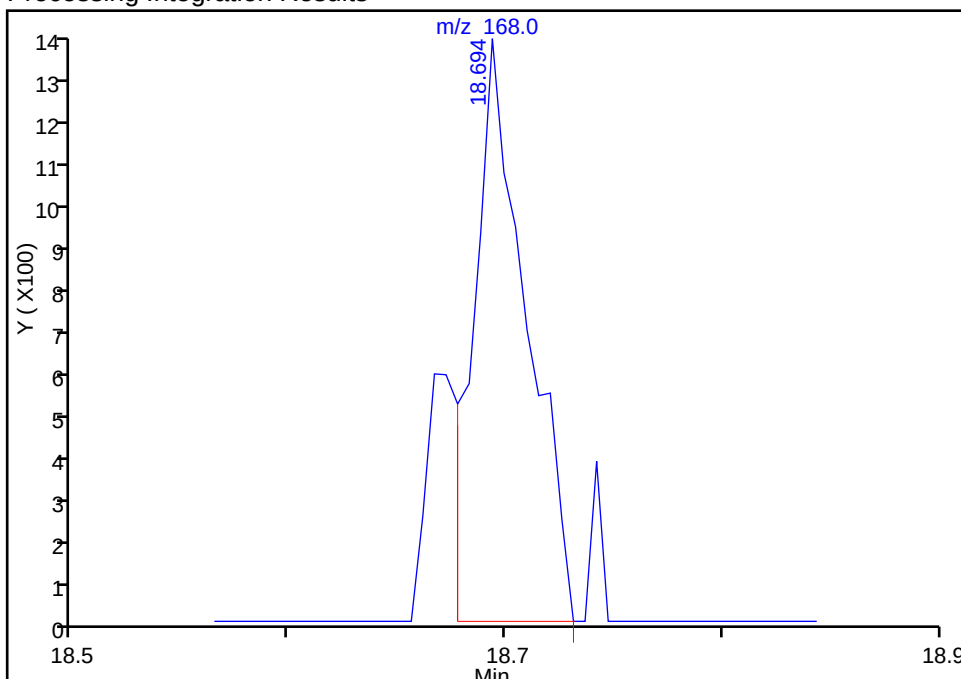
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_004.d  
Injection Date: 11-Feb-2014 19:12:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 4  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 (0.32 mm) Detector MS SCAN

**72 Tetrachloroethene, CAS: 127-18-4**

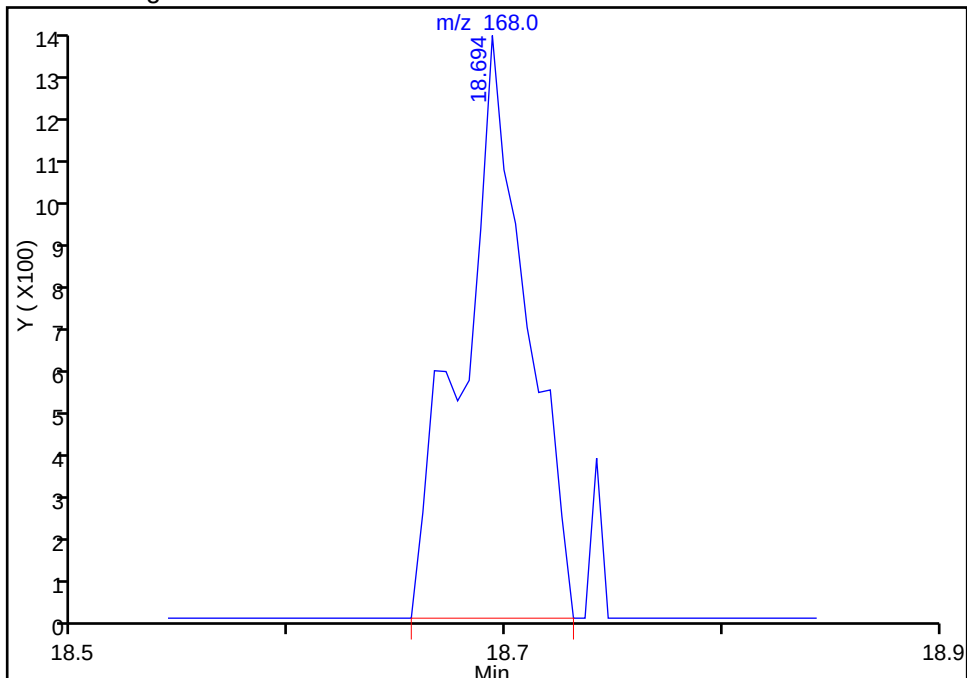
RT: 18.69  
Response: 2394  
Amount: 0.026017

## Processing Integration Results



RT: 18.69  
Response: 2855  
Amount: 0.042635

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:19:51

Audit Action: Manually Integrated

Audit Reason: Baseline Event

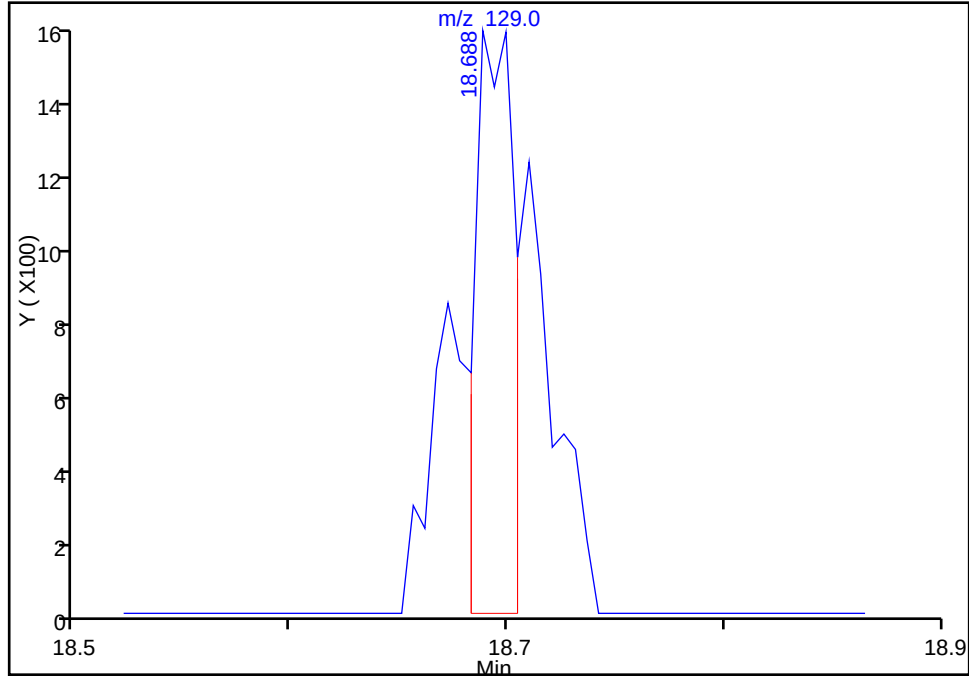
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_004.d |                |              |
| Injection Date: | 11-Feb-2014 19:12:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNI_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 4            |

**72 Tetrachloroethene, CAS: 127-18-4**

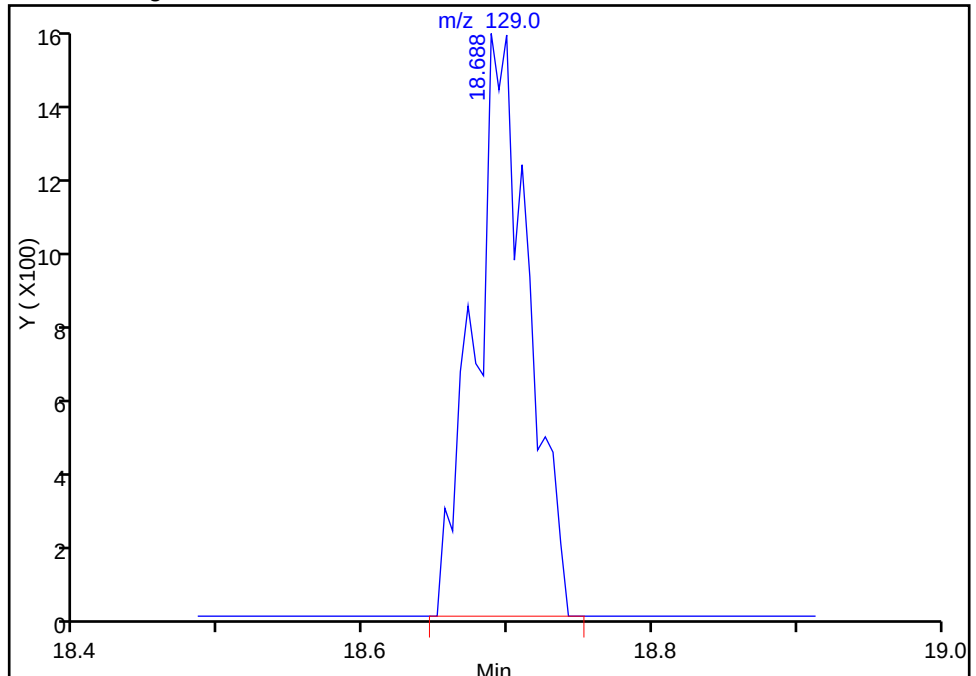
RT: 18.69  
Response: 2002  
Amount: 0.026017

## Processing Integration Results



RT: 18.69  
Response: 4079  
Amount: 0.042635

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:19:51

Audit Action: Manually Integrated

Audit Reason: Baseline Event

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 2  
 Inject. Date: 11-Feb-2014 20:02:30 ALS Bottle#: 2 Worklist Smp#: 5  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-005  
 Misc. Info.: IC 02  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:25 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:18:25

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.372  | 4.383     | -0.011    | 89 | 7919     | 0.2883                |       |
| 2 Dichlorodifluoromethane          | 85  | 4.469  | 4.479     | -0.010    | 88 | 51787    | 0.2721                |       |
| 6 Chlorodifluoromethane            | 51  | 4.533  | 4.544     | -0.011    | 69 | 19913    | 0.2762                | M     |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.822  | 4.832     | -0.010    | 81 | 41809    | 0.2576                |       |
| 8 Chloromethane                    | 50  | 5.020  | 5.025     | -0.005    | 93 | 8987     | 0.2743                | M     |
| 9 Butane                           | 43  | 5.277  | 5.287     | -0.010    | 82 | 12854    | 0.2421                |       |
| 10 Vinyl chloride                  | 62  | 5.335  | 5.346     | -0.011    | 60 | 10997    | 0.2333                |       |
| 11 Butadiene                       | 54  | 5.437  | 5.442     | -0.005    | 85 | 6138     | 0.2117                |       |
| 13 BFB                             |     |        |           |           |    |          |                       |       |
| 12 Bromomethane                    | 94  | 6.309  | 6.314     | -0.005    | 88 | 12744    | 0.2614                |       |
| 14 Chloroethane                    | 64  | 6.598  | 6.598     | 0.0       | 69 | 6858     | 0.2734                |       |
| 15 2-Methylbutane                  | 43  | 6.684  | 6.678     | 0.006     | 88 | 9879     | 0.2438                |       |
| 16 Vinyl bromide                   | 106 | 7.079  | 7.079     | 0.0       | 90 | 14315    | 0.2203                |       |
| 17 Trichlorofluoromethane          | 101 | 7.186  | 7.192     | -0.006    | 94 | 54715    | 0.2565                |       |
| 18 Pentane                         | 43  | 7.363  | 7.357     | 0.006     | 94 | 12437    | 0.2190                |       |
| 19 Ethanol                         | 45  | 7.839  | 7.796     | 0.043     | 86 | 8302     | 0.6976                | M     |
| 21 Ethyl ether                     | 59  | 7.957  | 7.941     | 0.016     | 79 | 5524     | 0.1860                |       |
| 22 Acrolein                        | 56  | 8.433  | 8.406     | 0.027     | 1  | 2718     | 0.2177                | M     |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.449  | 8.443     | 0.006     | 89 | 35110    | 0.2630                |       |
| 24 1,1-Dichloroethene              | 96  | 8.519  | 8.518     | 0.0       | 81 | 12306    | 0.2140                |       |
| 25 Acetone                         | 43  | 8.770  | 8.748     | 0.022     | 83 | 41430    | 0.6856                |       |
| 26 Carbon disulfide                | 76  | 9.005  | 9.000     | 0.005     | 96 | 33981    | 0.2566                |       |
| 27 Isopropyl alcohol               | 45  | 9.053  | 9.032     | 0.021     | 86 | 12986    | 0.2565                |       |
| 29 3-Chloro-1-propene              | 41  | 9.396  | 9.406     | -0.010    | 70 | 7746     | 0.1894                | M     |
| 30 Acetonitrile                    | 41  | 9.556  | 9.535     | 0.021     | 93 | 5686     | 0.2567                |       |
| 31 Methylene Chloride              | 49  | 9.733  | 9.733     | 0.0       | 67 | 13057    | 0.3103                |       |
| 32 2-Methyl-2-propanol             | 59  | 9.936  | 9.904     | 0.032     | 92 | 14141    | 0.1539                |       |
| 33 Methyl tert-butyl ether         | 73  | 10.177 | 10.161    | 0.016     | 91 | 25387    | 0.1668                | M     |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0  |          | 0.4054                |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.225 | 10.236    | -0.011    | 69 | 14677    | 0.2117                |       |

| Sig   | RT<br>(min.)                | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response |        | On-Col Amt<br>ppb v/v |         | Flags  |   |
|-------|-----------------------------|------------------|------------------|--------|----------|--------|-----------------------|---------|--------|---|
| 35    | Acrylonitrile               |                  | 53               | 10.391 | 10.385   | 0.006  | 78                    | 5168    | 0.2004 | M |
| 36    | Hexane                      |                  | 57               | 10.664 | 10.653   | 0.011  | 81                    | 9334    | 0.1603 | M |
| 37    | 1,1-Dichloroethane          |                  | 63               | 11.199 | 11.199   | 0.0    | 87                    | 22977   | 0.2463 |   |
| 38    | Vinyl acetate               |                  | 43               | 11.247 | 11.236   | 0.011  | 96                    | 12486   | 0.1440 |   |
| 39    | cis-1,2-Dichloroethene      |                  | 96               | 12.376 | 12.375   | 0.001  | 73                    | 11760   | 0.1936 |   |
| 40    | 2-Butanone (MEK)            |                  | 72               | 12.397 | 12.392   | 0.005  | 91                    | 5115    | 0.1999 |   |
| 42    | Ethyl acetate               |                  | 88               | 12.418 | 12.413   | 0.005  | 91                    | 942     | 0.1894 | M |
| 44    | Tetrahydrofuran             |                  | 42               | 12.884 | 12.846   | 0.038  | 26                    | 6984    | 0.1850 |   |
| * 43  | Chlorobromomethane          |                  | 128              | 12.852 | 12.852   | 0.0    | 69                    | 416155  | 10.0   |   |
| 45    | Chloroform                  |                  | 83               | 12.959 | 12.964   | -0.005 | 92                    | 34468   | 0.2472 |   |
| 46    | Cyclohexane                 |                  | 84               | 13.269 | 13.264   | 0.005  | 48                    | 12613   | 0.1732 | M |
| 47    | 1,1,1-Trichloroethane       |                  | 97               | 13.285 | 13.280   | 0.005  | 87                    | 39303   | 0.2360 | M |
| 48    | Carbon tetrachloride        |                  | 117              | 13.526 | 13.531   | -0.005 | 88                    | 44782   | 0.2355 |   |
| 51    | Isooctane                   |                  | 57               | 13.927 | 13.927   | 0.0    | 94                    | 30569   | 0.1576 |   |
| 50    | Benzene                     |                  | 78               | 13.991 | 13.986   | 0.005  | 93                    | 39250   | 0.2258 |   |
| 52    | 1,2-Dichloroethane          |                  | 62               | 14.136 | 14.141   | -0.005 | 86                    | 20756   | 0.2359 |   |
| 53    | n-Heptane                   |                  | 43               | 14.291 | 14.275   | 0.016  | 54                    | 8920    | 0.1473 | M |
| * 54  | 1,4-Difluorobenzene         |                  | 114              | 14.746 | 14.745   | 0.001  | 92                    | 1994908 | 10.0   |   |
| A 57  | GRO                         |                  | 1                | 14.769 | 6.668 -  | 22.871 | 0                     | 4828527 | 0      |   |
| 55    | n-Butanol                   |                  | 56               | 15.050 | 15.024   | 0.026  | 80                    | 3340    | 0.1548 | M |
| 56    | Trichloroethene             |                  | 95               | 15.206 | 15.211   | -0.005 | 91                    | 18767   | 0.2097 |   |
| 58    | 1,2-Dichloropropane         |                  | 63               | 15.725 | 15.730   | -0.005 | 78                    | 12023   | 0.2271 |   |
| 59    | Methyl methacrylate         |                  | 69               | 15.826 | 15.815   | 0.011  | 62                    | 6449    | 0.1175 |   |
| 60    | 1,4-Dioxane                 |                  | 88               | 15.928 | 15.901   | 0.027  | 62                    | 6387    | 0.2099 | M |
| 61    | Dibromomethane              |                  | 174              | 15.971 | 15.970   | 0.001  | 83                    | 26683   | 0.2431 |   |
| 62    | Dichlorobromomethane        |                  | 83               | 16.222 | 16.222   | 0.0    | 95                    | 34126   | 0.2227 |   |
| A 63  | TVOC as Toluene             |                  | 1                | 16.631 | 4.373 -  | 28.889 | 0                     | 8245530 | 57.0   |   |
| 64    | cis-1,3-Dichloropropene     |                  | 75               | 17.083 | 17.083   | 0.0    | 75                    | 13630   | 0.1573 | M |
| 65    | 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324   | 0.0    | 90                    | 10964   | 0.1292 |   |
| A 68  | C8 Range                    |                  | 1                | 17.656 | 17.606 - | 17.706 | 0                     | 170333  | NC     |   |
| 69    | n-Octane                    |                  | 43               | 17.661 | 17.656   | 0.005  | 67                    | 11592   | 0.1444 |   |
| 66    | Toluene                     |                  | 92               | 17.666 | 17.661   | 0.005  | 93                    | 25558   | 0.2013 |   |
| A 67  | Toluene Range               |                  | 1                | 17.661 | 17.621 - | 17.701 | 0                     | 170333  | NC     |   |
| 70    | trans-1,3-Dichloropropene   |                  | 75               | 18.185 | 18.191   | -0.006 | 75                    | 15715   | 0.1580 | M |
| 71    | 1,1,2-Trichloroethane       |                  | 83               | 18.555 | 18.560   | -0.005 | 89                    | 14922   | 0.2357 |   |
| 72    | Tetrachloroethene           |                  | 166              | 18.694 | 18.699   | -0.005 | 94                    | 35883   | 0.2271 |   |
| 73    | 2-Hexanone                  |                  | 43               | 18.956 | 18.950   | 0.006  | 80                    | 6782    | 0.0949 | M |
| 74    | Chlorodibromomethane        |                  | 129              | 19.314 | 19.314   | 0.0    | 94                    | 36375   | 0.2069 |   |
| 75    | Ethylene Dibromide          |                  | 107              | 19.592 | 19.603   | -0.011 | 94                    | 25783   | 0.2007 |   |
| S 82  | Xylenes, Total              |                  | 106              |        |          |        | 0                     |         | 0.5417 |   |
| * 76  | Chlorobenzene-d5            |                  | 117              | 20.443 | 20.443   | 0.0    | 83                    | 1750944 | 10.0   |   |
| 77    | Chlorobenzene               |                  | 112              | 20.496 | 20.502   | -0.006 | 81                    | 53470   | 0.2517 |   |
| 78    | Ethylbenzene                |                  | 91               | 20.614 | 20.614   | 0.0    | 95                    | 58807   | 0.1982 | M |
| 79    | n-Nonane                    |                  | 57               | 20.673 | 20.673   | 0.0    | 70                    | 17070   | 0.1724 |   |
| 80    | m-Xylene & p-Xylene         |                  | 106              | 20.834 | 20.833   | 0.001  | 100                   | 46562   | 0.3891 |   |
| 83    | o-Xylene                    |                  | 106              | 21.545 | 21.545   | 0.0    | 88                    | 17232   | 0.1526 |   |
| 84    | Styrene                     |                  | 104              | 21.582 | 21.582   | 0.0    | 72                    | 22885   | 0.1366 | M |
| 85    | Bromoform                   |                  | 173              | 21.962 | 21.962   | 0.0    | 98                    | 34644   | 0.1959 |   |
| 86    | Isopropylbenzene            |                  | 105              | 22.112 | 22.112   | 0.0    | 89                    | 49913   | 0.1437 |   |
| \$ 87 | 4-Bromofluorobenzene        |                  | 95               | 22.444 | 22.444   | 0.0    | 97                    | 1125306 | NC     |   |
| 88    | 1,1,2,2-Tetrachloroethane   |                  | 83               | 22.668 | 22.668   | 0.0    | 89                    | 42226   | 0.2454 |   |
| 90    | N-Propylbenzene             |                  | 91               | 22.743 | 22.743   | 0.0    | 98                    | 73520   | 0.1819 |   |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response |        | On-Col Amt<br>ppb v/v | Flags |        |   |
|-----|------------------------|------------------|------------------|--------|----------|--------|-----------------------|-------|--------|---|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.770 | 22.770   | 0.0    | 90                    | 34156 | 0.2579 |   |
| 93  | n-Decane               |                  | 57               | 22.856 | 22.861   | -0.005 | 76                    | 21625 | 0.1560 |   |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.909 | 22.909   | 0.0    | 85                    | 77066 | 0.1994 |   |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.941 | 22.946   | -0.005 | 87                    | 74427 | 0.2202 |   |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.000 | 23.005   | -0.005 | 91                    | 74782 | 0.2090 |   |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 | 23.353   | 0.0    | 80                    | 17264 | 0.1158 |   |
| 96  | tert-Butylbenzene      |                  | 119              | 23.476 | 23.481   | -0.005 | 91                    | 63525 | 0.1828 |   |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.567 | 23.572   | -0.005 | 93                    | 58508 | 0.1714 |   |
| 98  | sec-Butylbenzene       |                  | 105              | 23.803 | 23.808   | -0.005 | 97                    | 86979 | 0.1849 |   |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.011 | 24.011   | 0.0    | 82                    | 67956 | 0.1642 |   |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.075 | 24.081   | -0.006 | 97                    | 52373 | 0.2105 |   |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.220 | 24.225   | -0.005 | 96                    | 42316 | 0.1827 |   |
| 102 | Benzyl chloride        |                  | 91               | 24.429 | 24.434   | -0.005 | 91                    | 23594 | 0.1134 |   |
| 104 | Undecane               |                  | 57               | 24.632 | 24.626   | 0.006  | 81                    | 16003 | 0.1139 |   |
| 103 | n-Butylbenzene         |                  | 91               | 24.648 | 24.653   | -0.005 | 93                    | 55546 | 0.1770 |   |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.835 | 24.830   | 0.005  | 96                    | 49347 | 0.2037 |   |
| 106 | Dodecane               |                  | 57               | 26.440 | 26.434   | 0.006  | 74                    | 5276  | 0.0574 |   |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.719 | 27.724   | -0.005 | 63                    | 16995 | 0.1366 |   |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.922 | 27.927   | -0.005 | 92                    | 48507 | 0.2465 |   |
| 109 | Naphthalene            |                  | 128              | 28.302 | 28.312   | -0.010 | 88                    | 24028 | 0.0990 | M |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.879 | 28.879   | 0.0    | 77                    | 19032 | 0.1641 |   |

## QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 12-Feb-2014 09:35:27

Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d

Injection Date: 11-Feb-2014 20:02:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

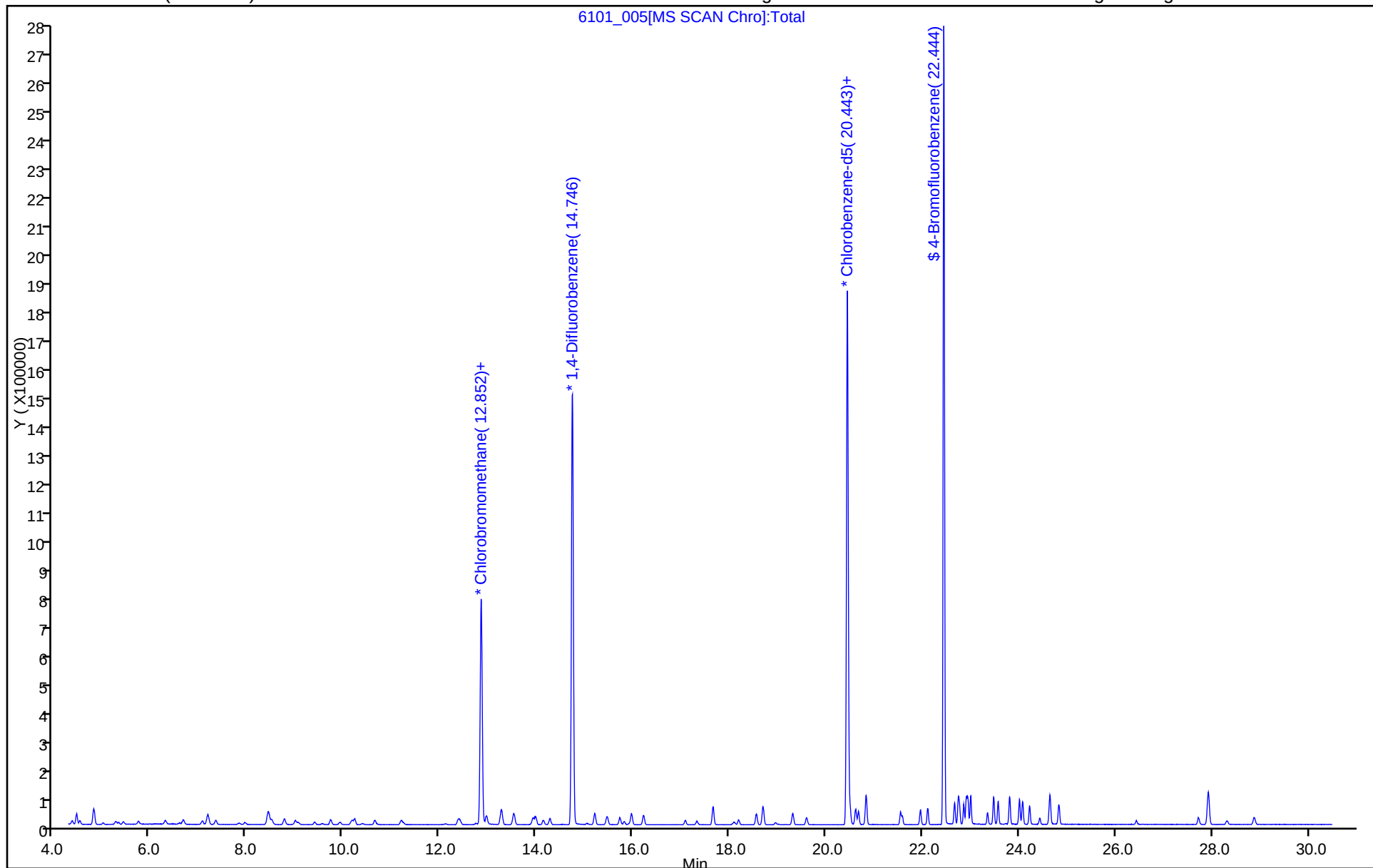
ALS Bottle#: 2

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



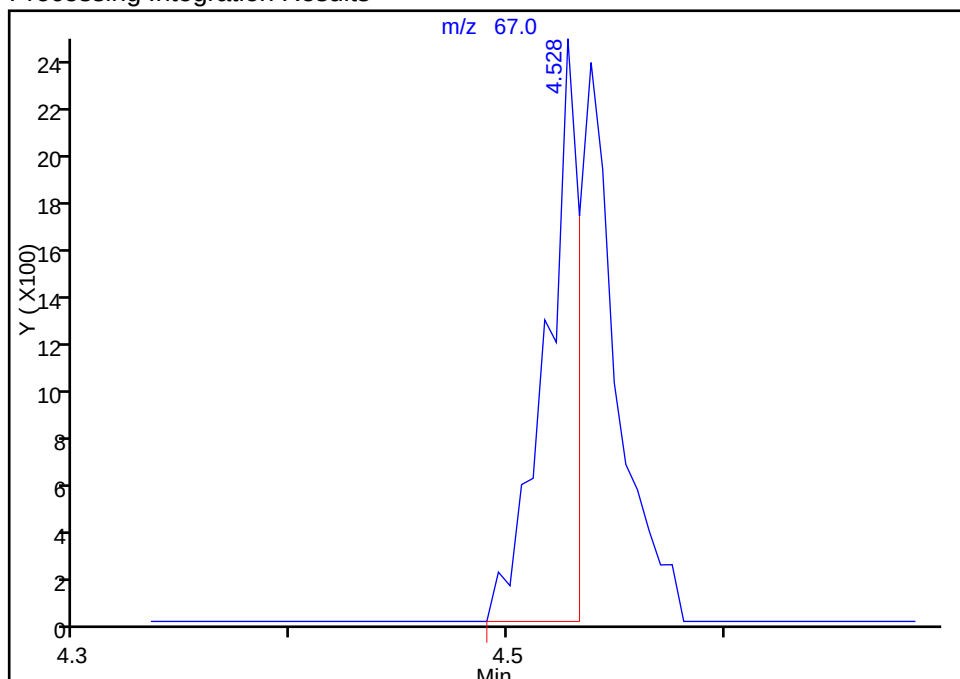
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 6 Chlorodifluoromethane, CAS: 75-45-6

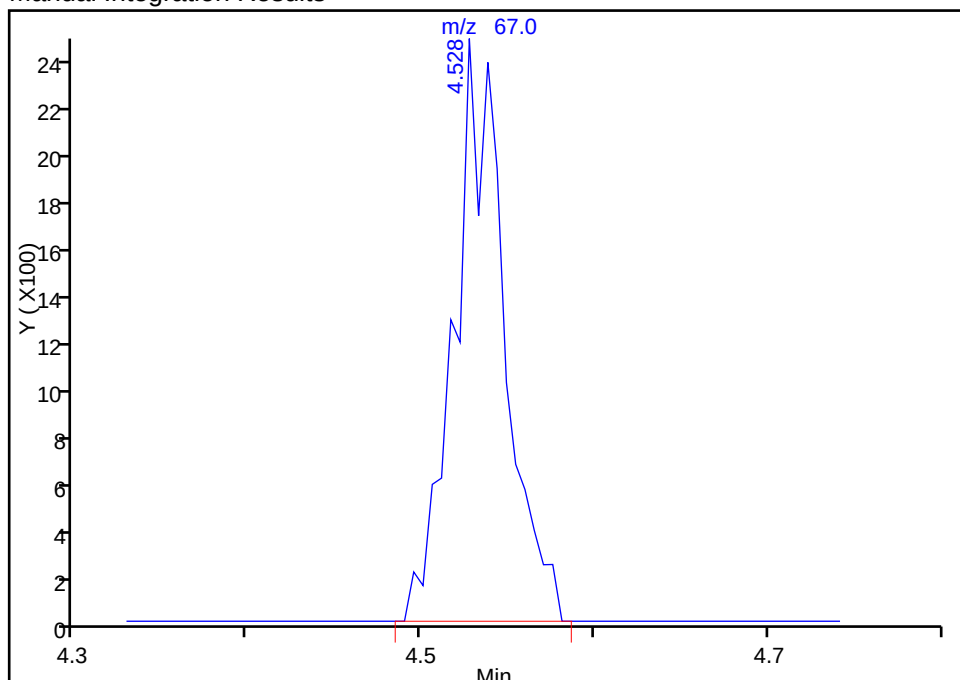
RT: 4.53  
Response: 2658  
Amount: 0.291066

## Processing Integration Results



RT: 4.53  
Response: 5054  
Amount: 0.276187

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



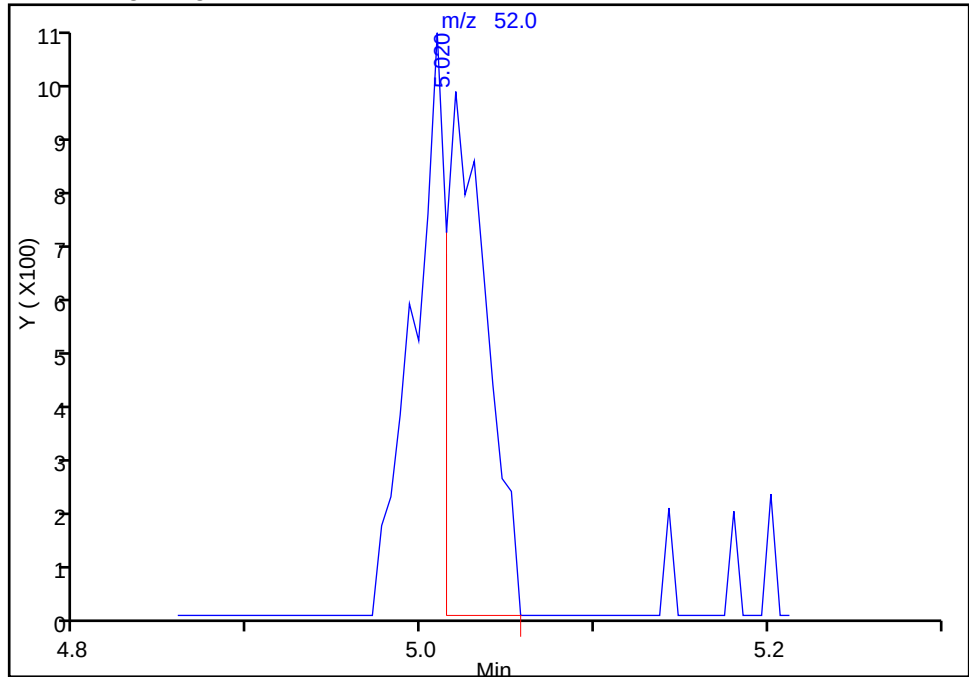
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 8 Chloromethane, CAS: 74-87-3

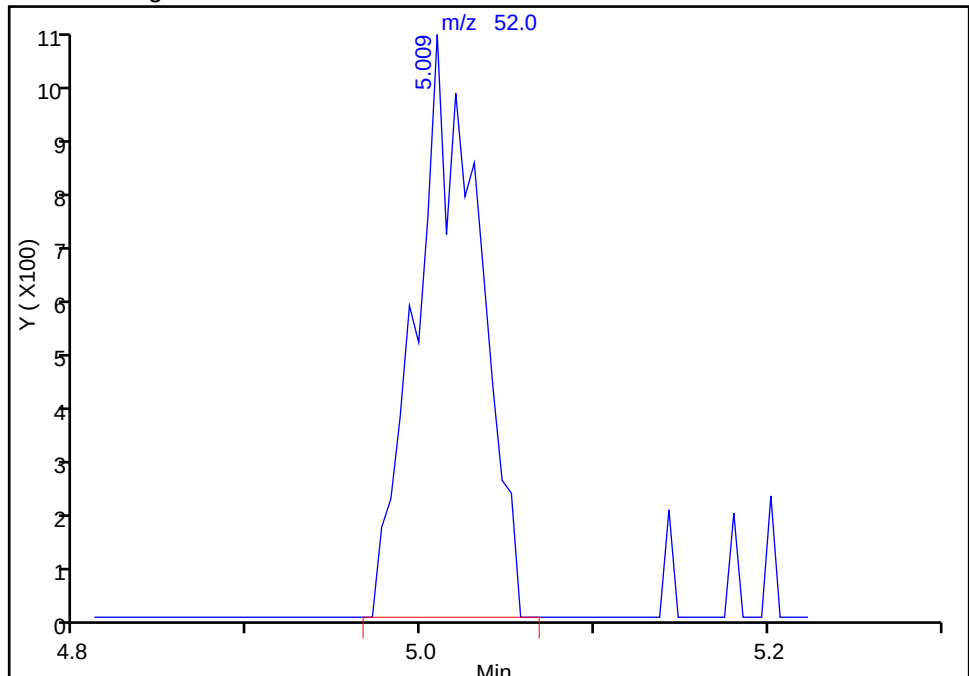
RT: 5.02  
Response: 1572  
Amount: 0.293440

## Processing Integration Results



RT: 5.01  
Response: 2760  
Amount: 0.274303

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

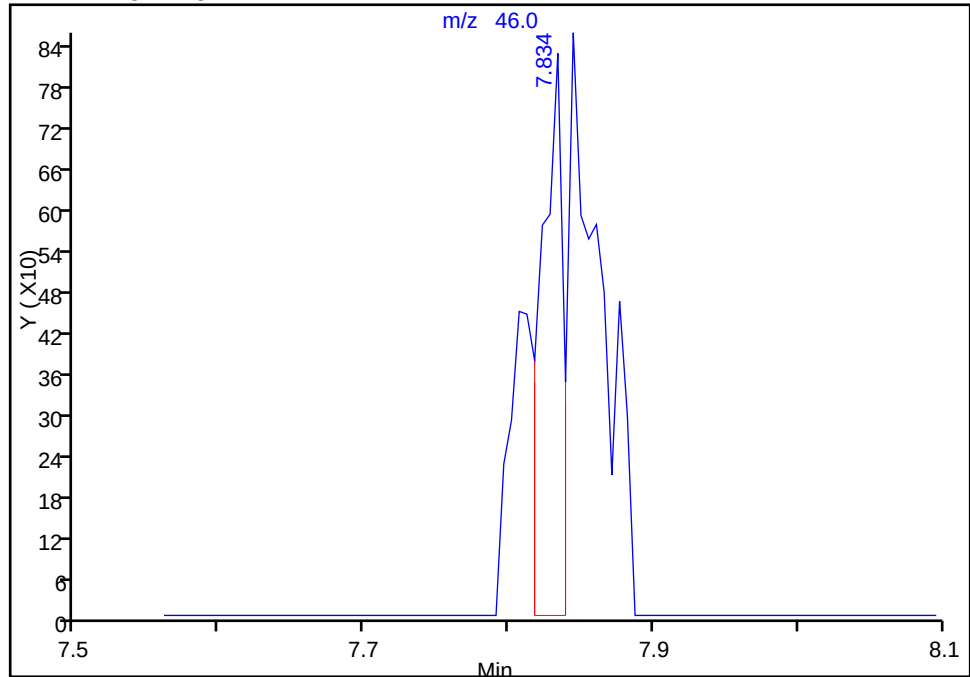
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 19 Ethanol, CAS: 64-17-5

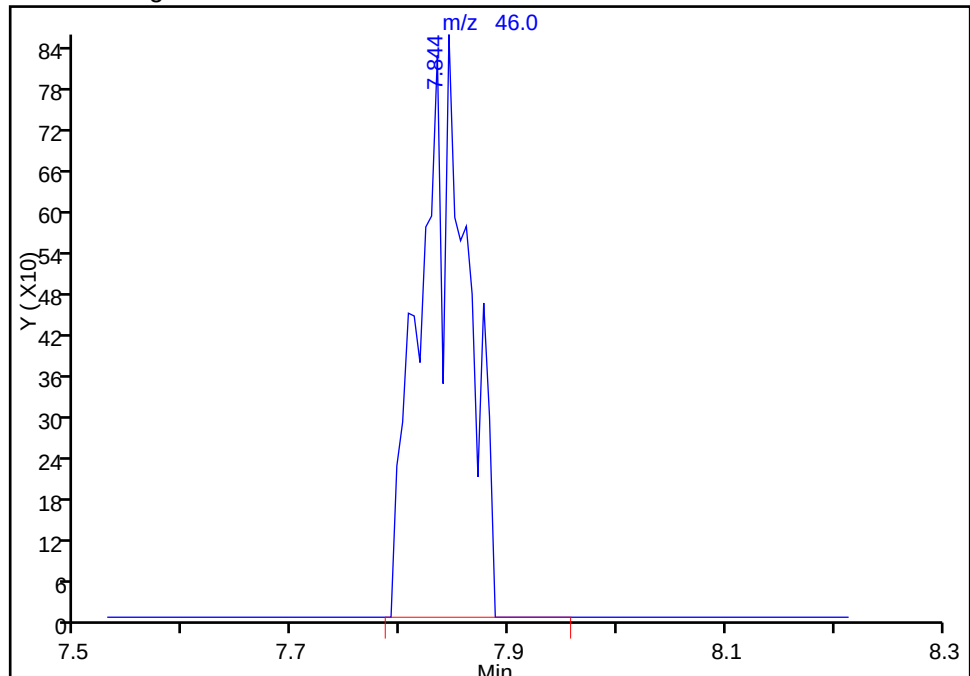
RT: 7.83  
Response: 863  
Amount: 0.710735

## Processing Integration Results



RT: 7.84  
Response: 2589  
Amount: 0.697629

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

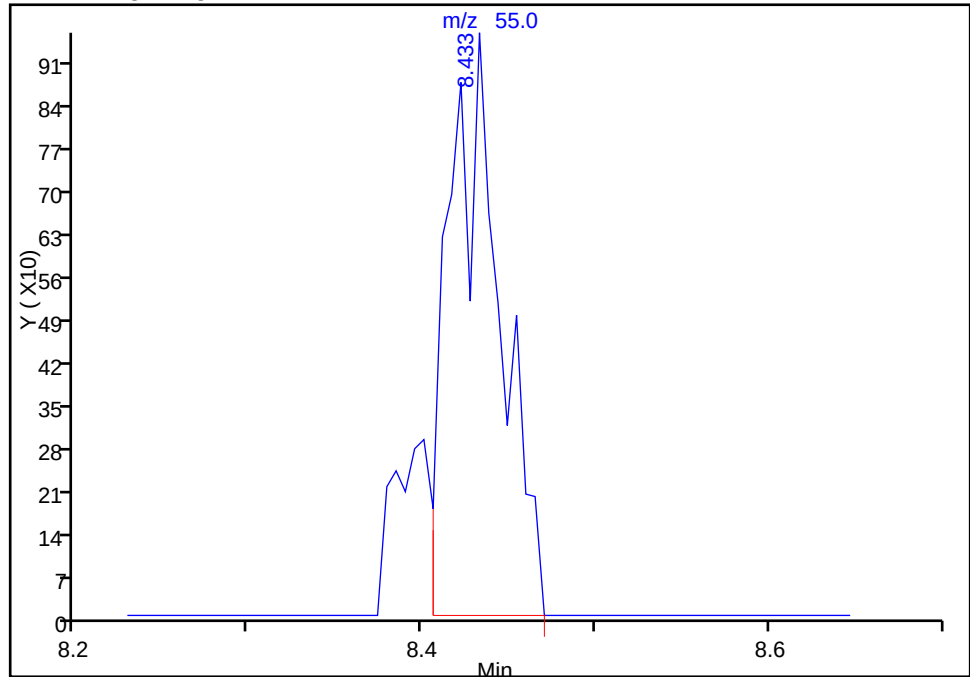
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

**22 Acrolein, CAS: 107-02-8**

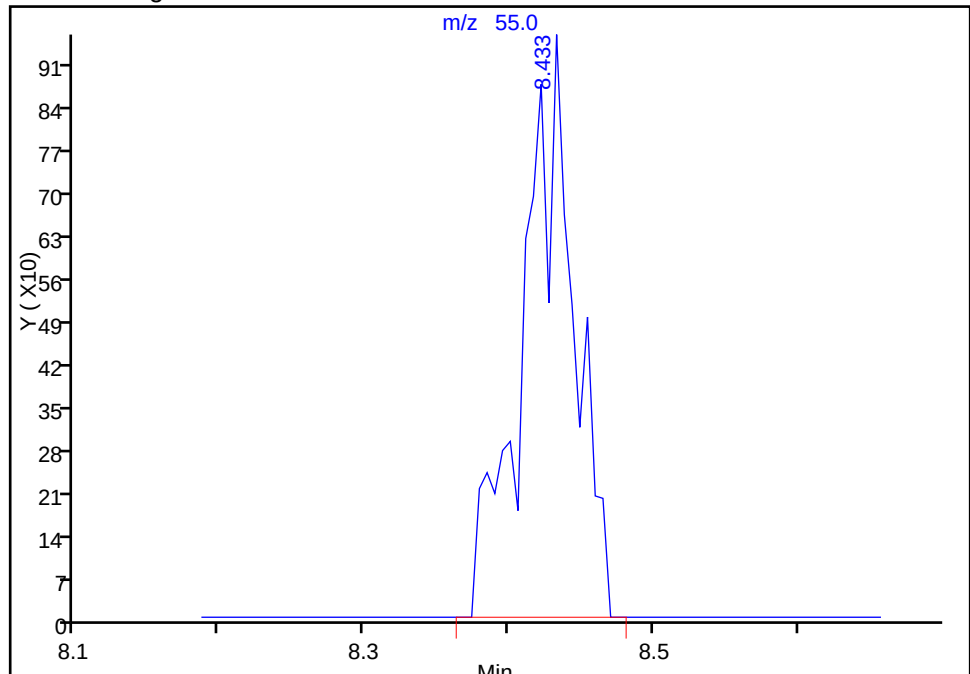
RT: 8.43  
Response: 1981  
Amount: 0.233126

## Processing Integration Results



RT: 8.43  
Response: 2369  
Amount: 0.217686

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

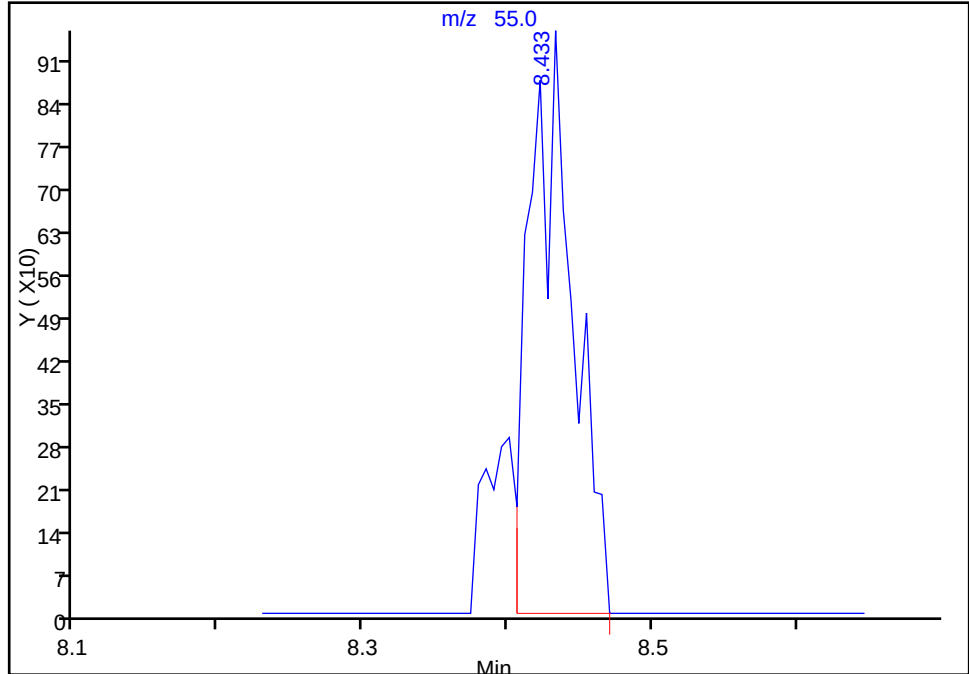
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

**22 Acrolein, CAS: 107-02-8**

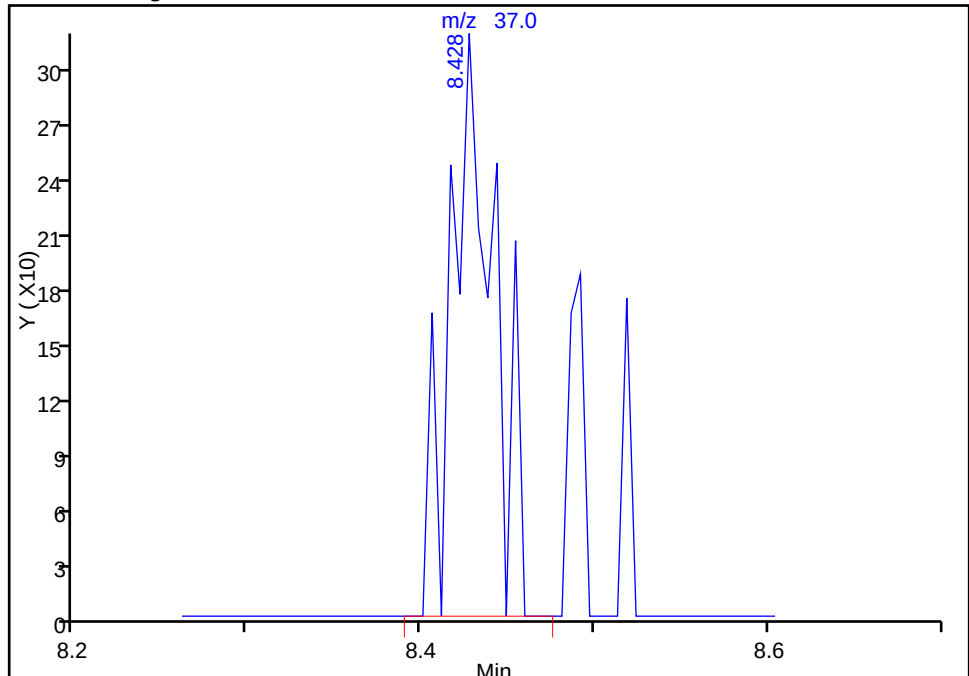
RT: 8.41  
Response: 0  
Amount: 0.233126

## Processing Integration Results



RT: 8.43  
Response: 554  
Amount: 0.217686

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

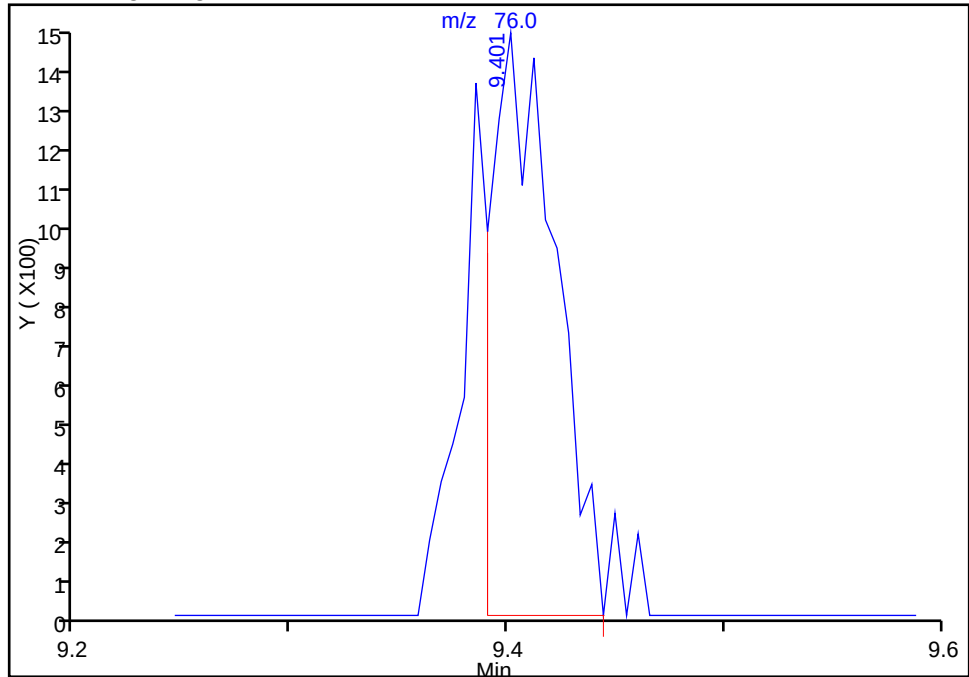
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**29 3-Chloro-1-propene, CAS: 107-05-1**

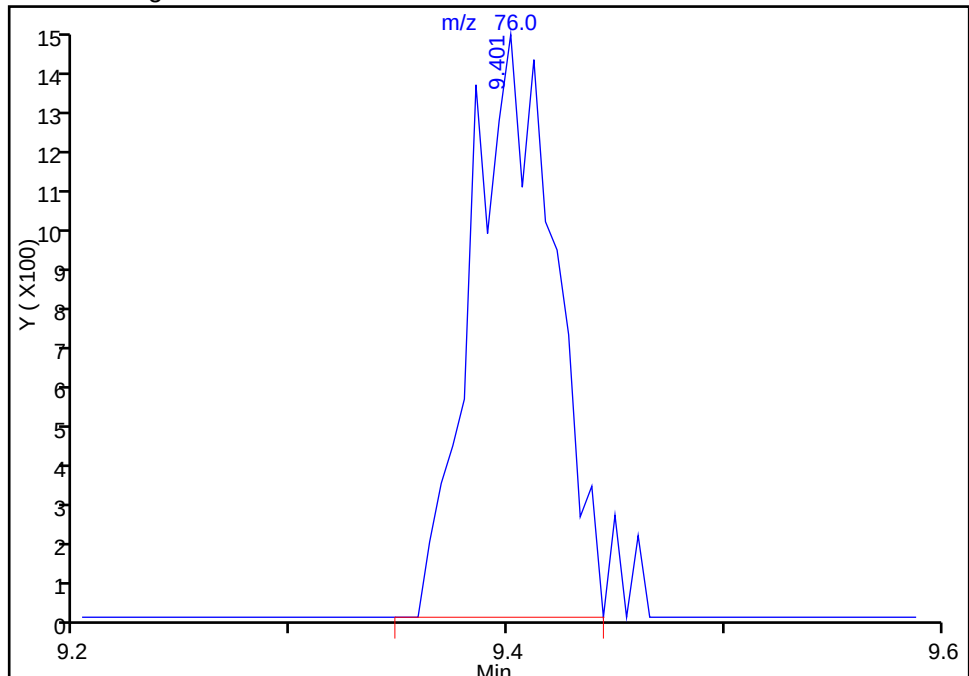
RT: 9.40  
Response: 3049  
Amount: 0.212438

## Processing Integration Results



RT: 9.40  
Response: 3975  
Amount: 0.189416

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

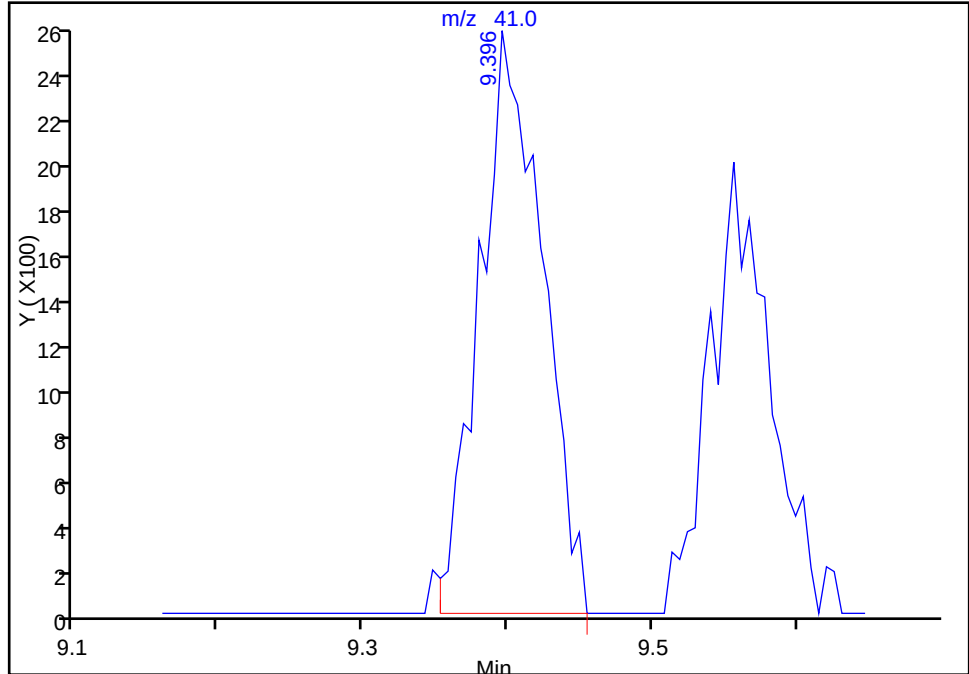
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

## 29 3-Chloro-1-propene, CAS: 107-05-1

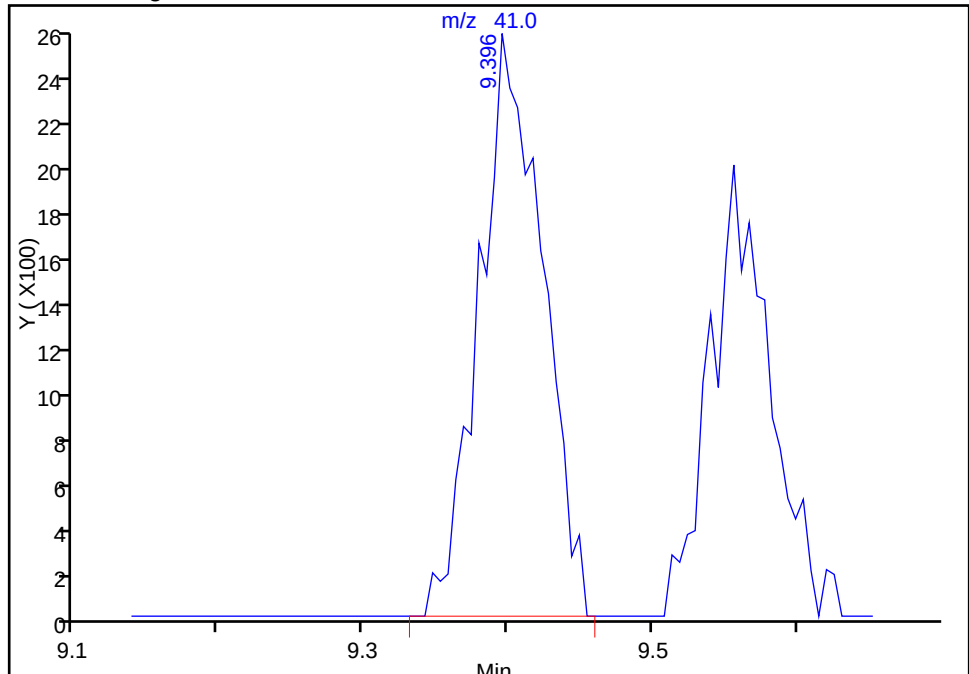
RT: 9.40  
Response: 7686  
Amount: 0.212438

## Processing Integration Results



RT: 9.40  
Response: 7746  
Amount: 0.189416

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

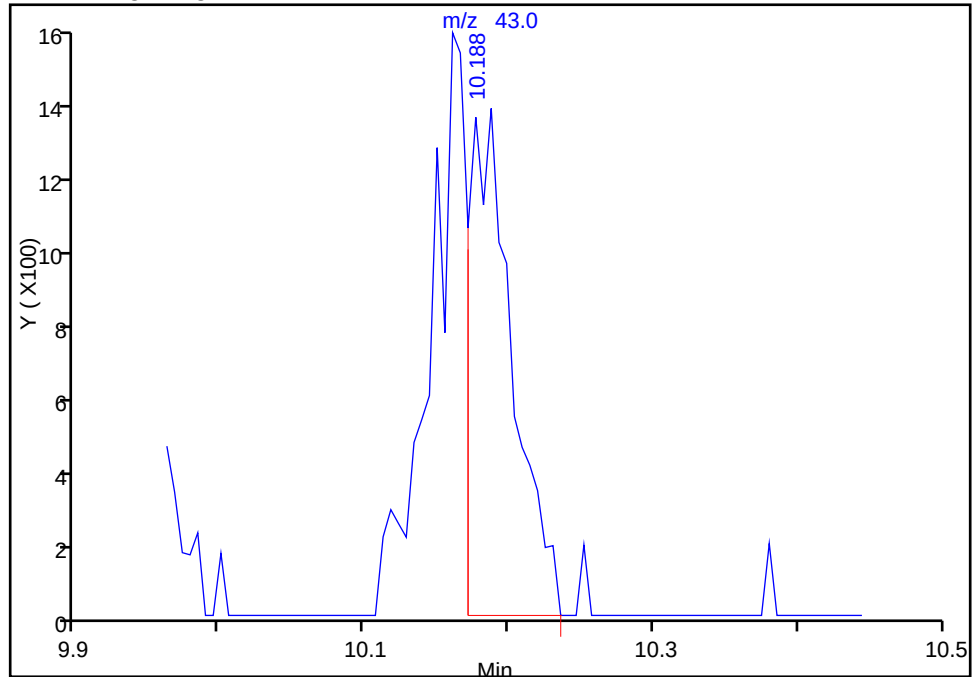
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**33 Methyl tert-butyl ether, CAS: 1634-04-4**

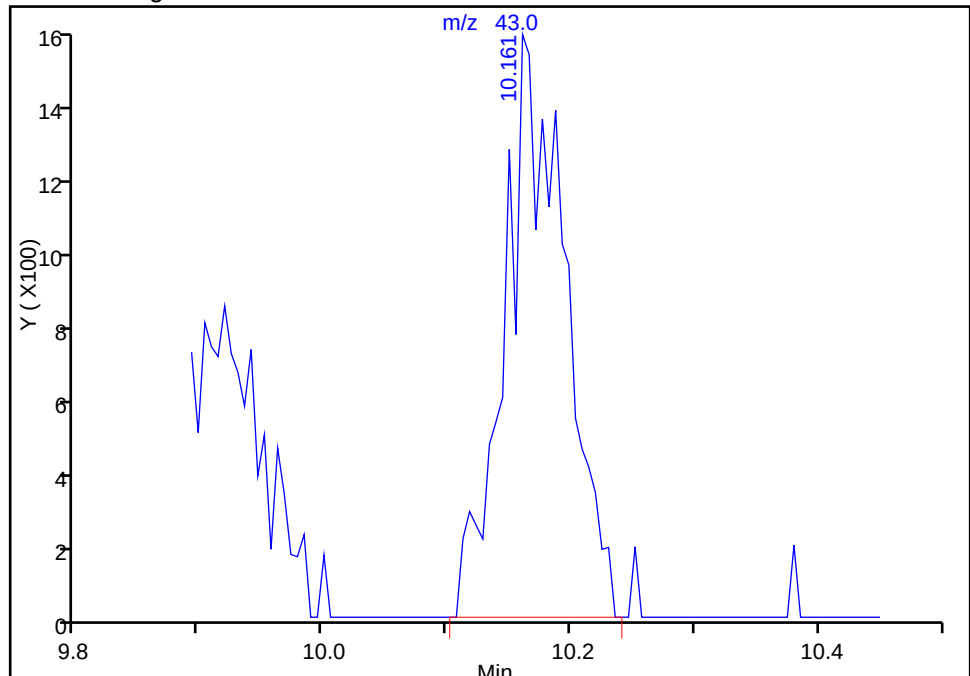
RT: 10.19  
Response: 2892  
Amount: 0.186665

## Processing Integration Results



RT: 10.16  
Response: 5374  
Amount: 0.166753

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

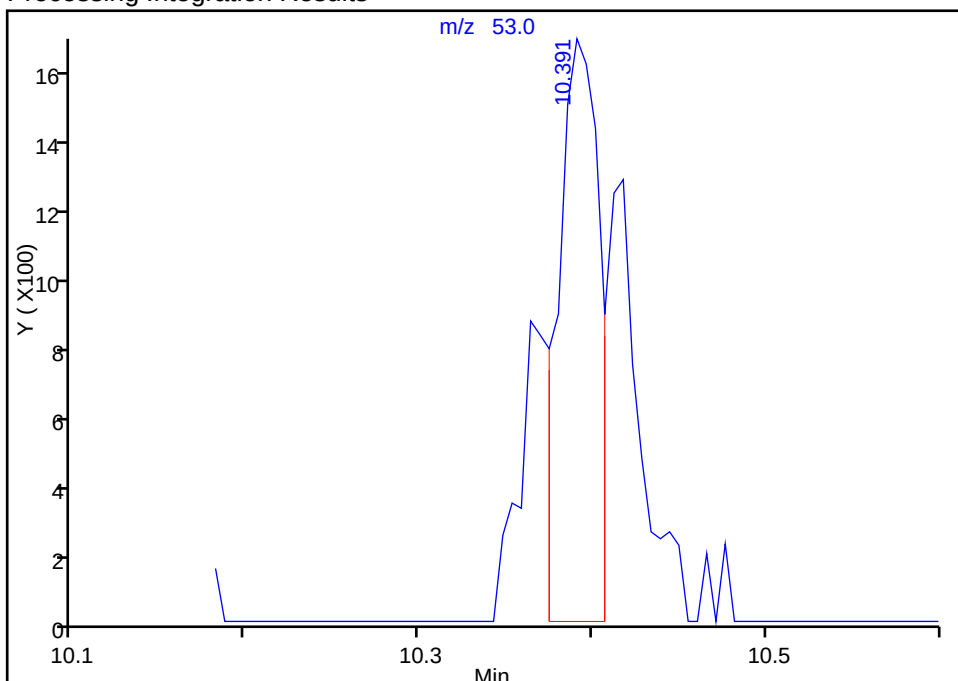
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 35 Acrylonitrile, CAS: 107-13-1

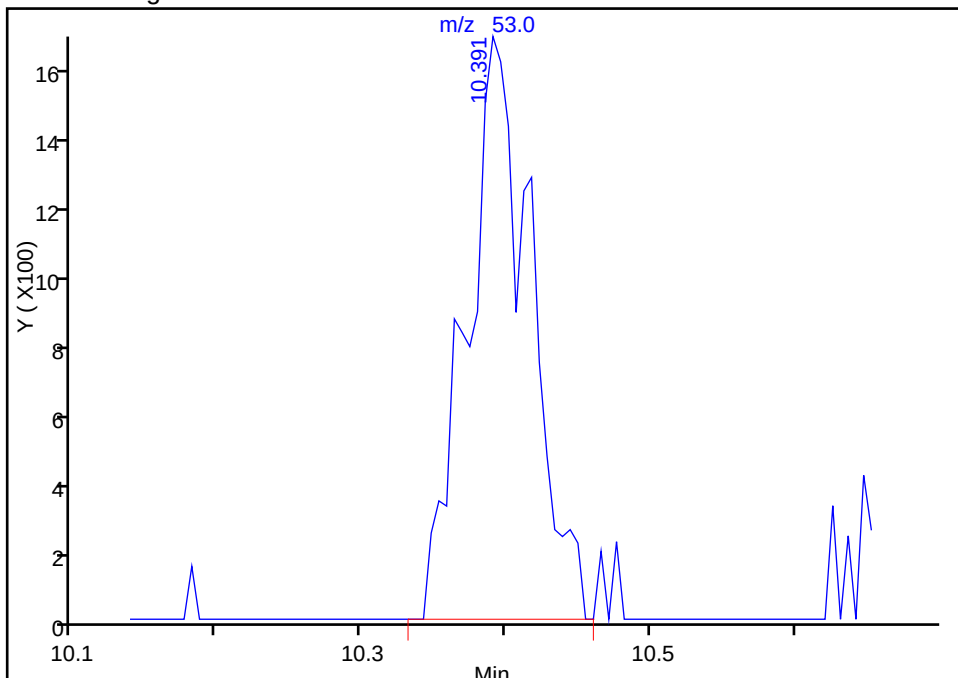
RT: 10.39  
Response: 2817  
Amount: 0.131257

## Processing Integration Results



RT: 10.39  
Response: 5168  
Amount: 0.200429

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



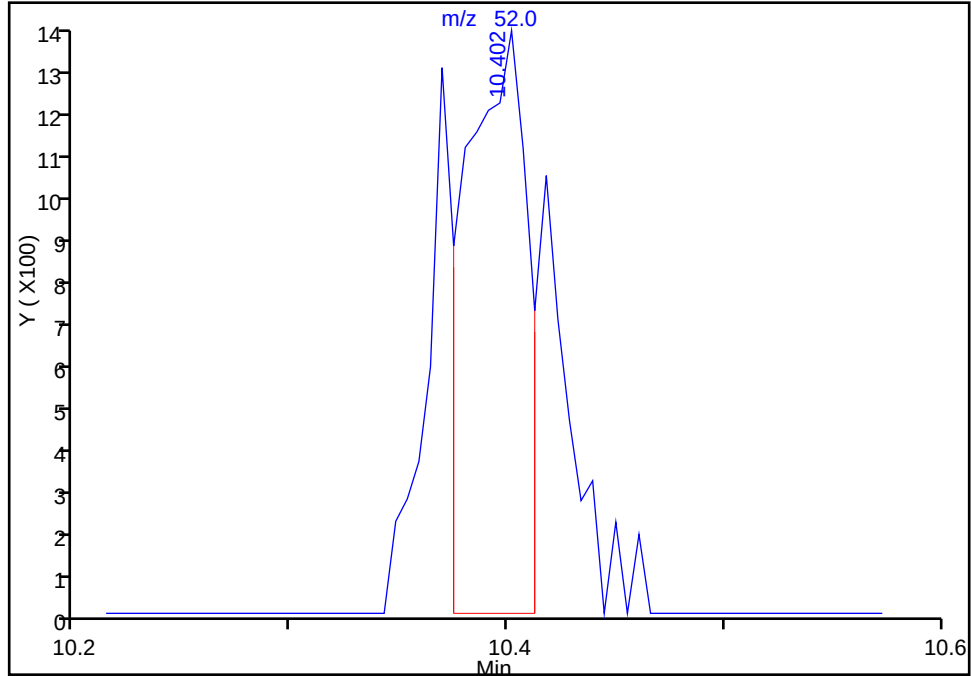
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**35 Acrylonitrile, CAS: 107-13-1**

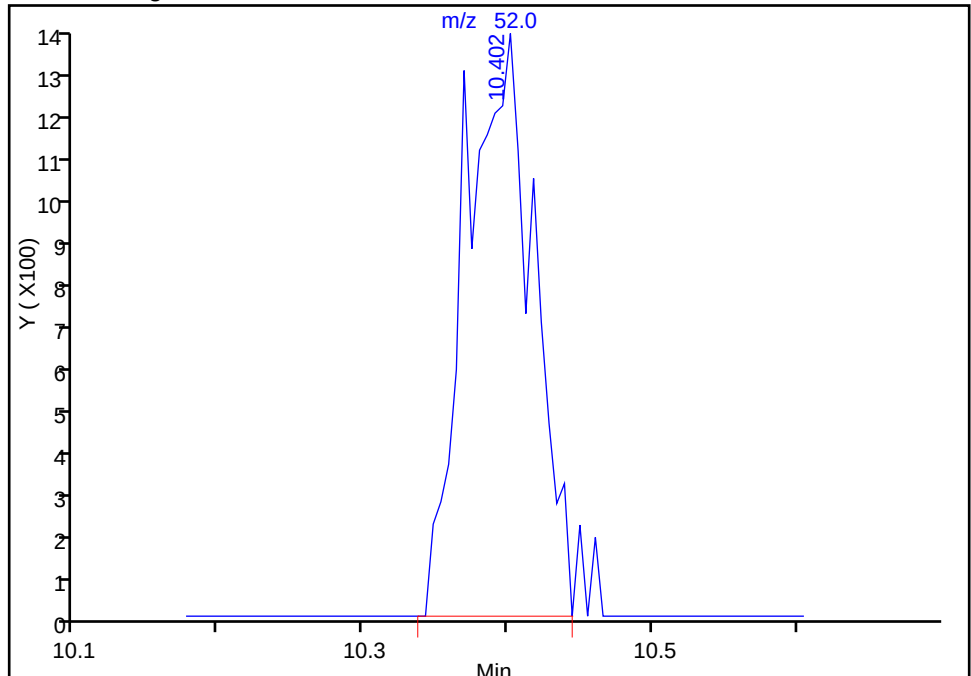
RT: 10.40  
Response: 2680  
Amount: 0.131257

## Processing Integration Results



RT: 10.40  
Response: 4372  
Amount: 0.200429

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

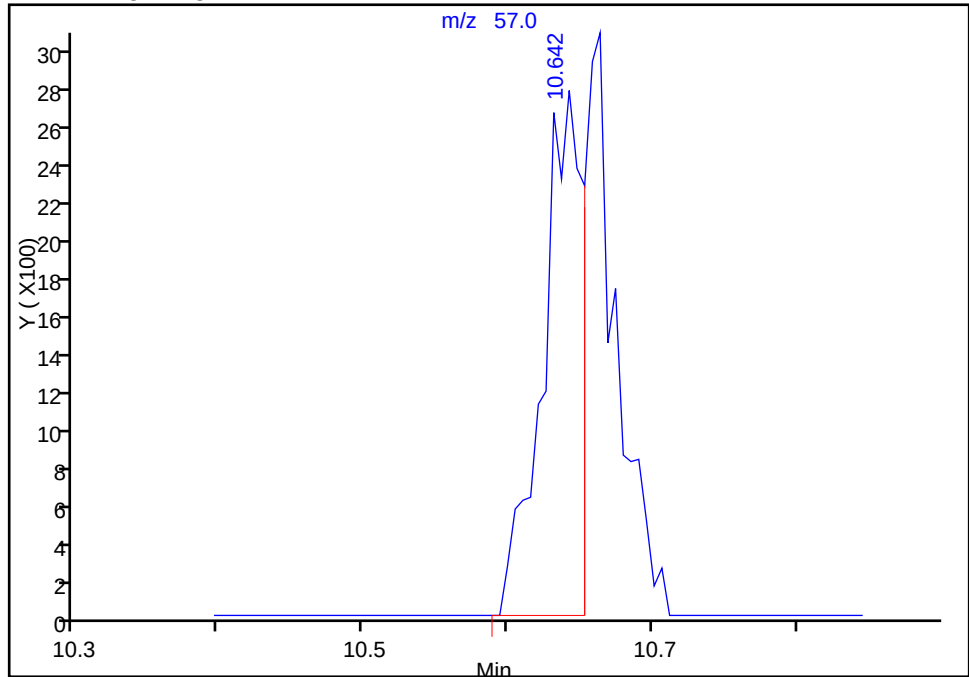
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

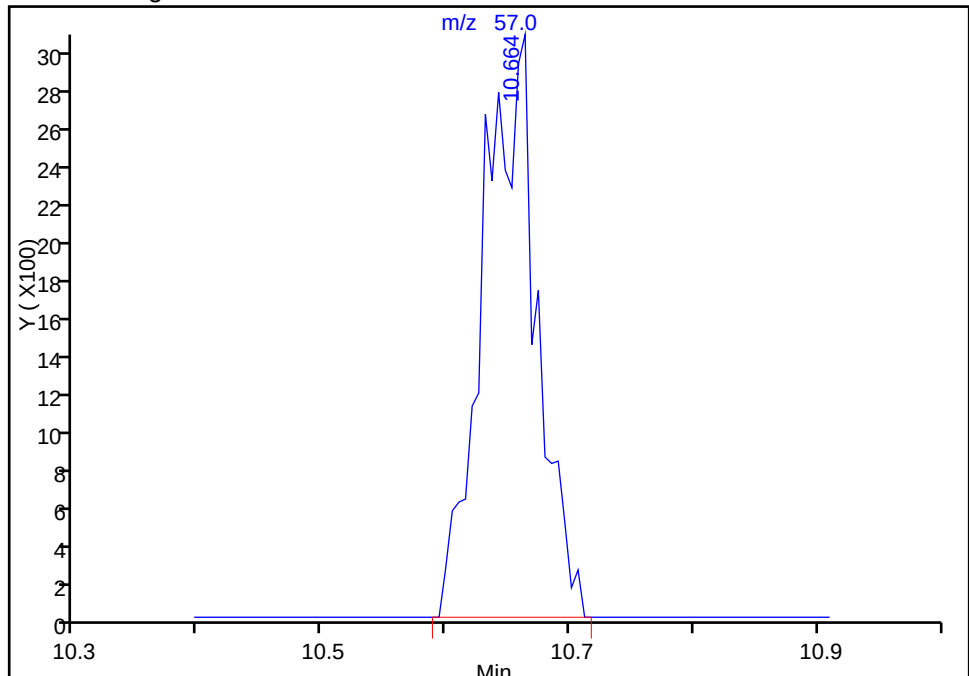
RT: 10.64  
Response: 5331  
Amount: 0.108649

## Processing Integration Results



RT: 10.66  
Response: 9334  
Amount: 0.160251

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LL NJ_TO3_W_(v1)                                  | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

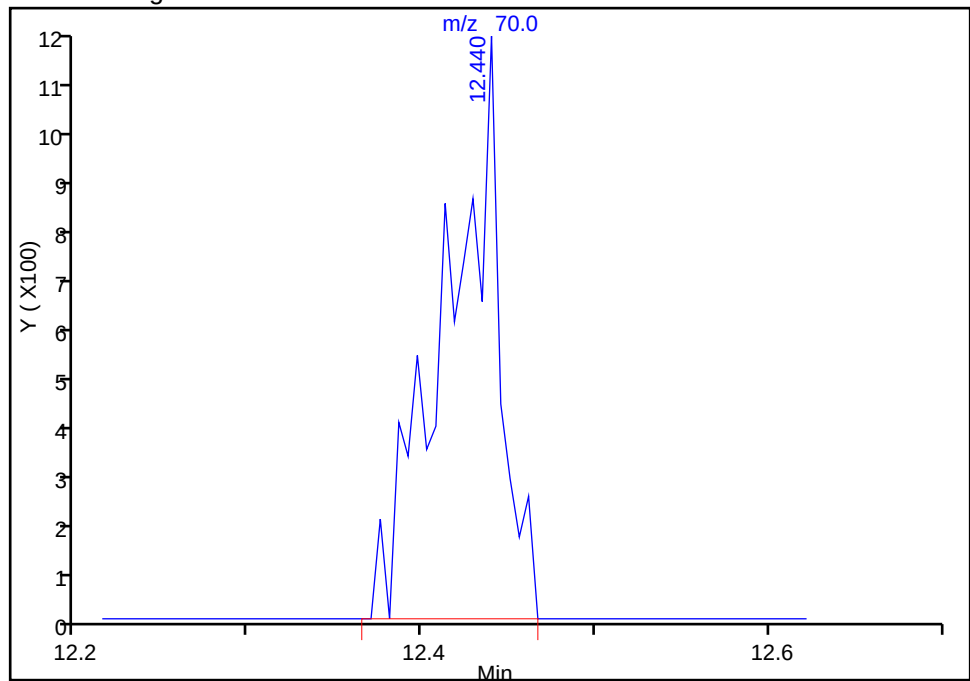
**42 Ethyl acetate, CAS: 141-78-6**

## Processing Integration Results

RT: 12.41  
Response: 0  
Amount: 0.143118

RT: 12.44  
Response: 2453  
Amount: 0.189375

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

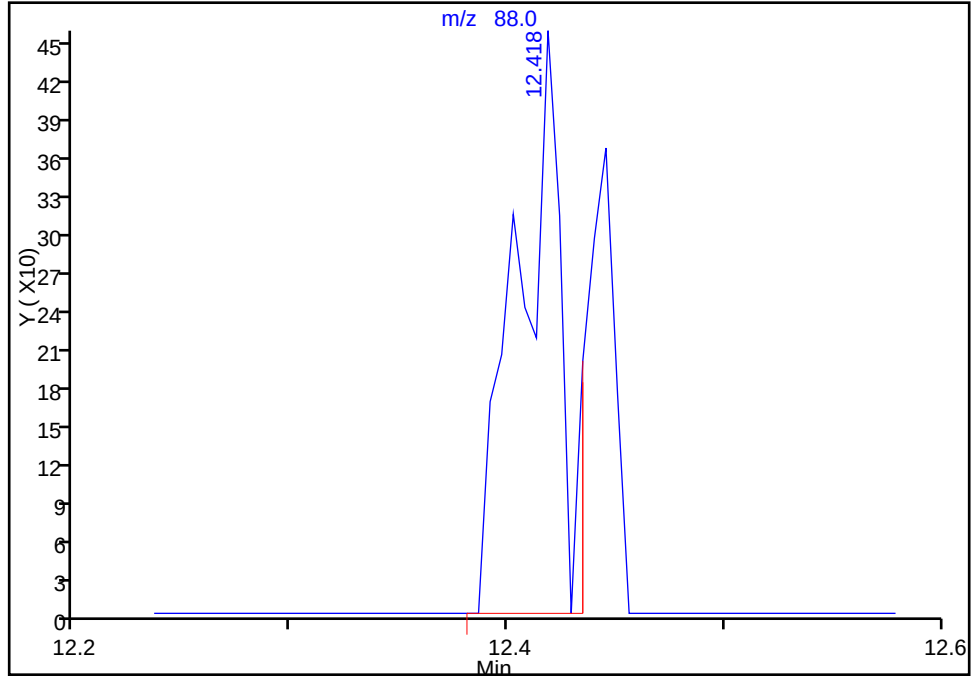
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNI_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

## 42 Ethyl acetate, CAS: 141-78-6

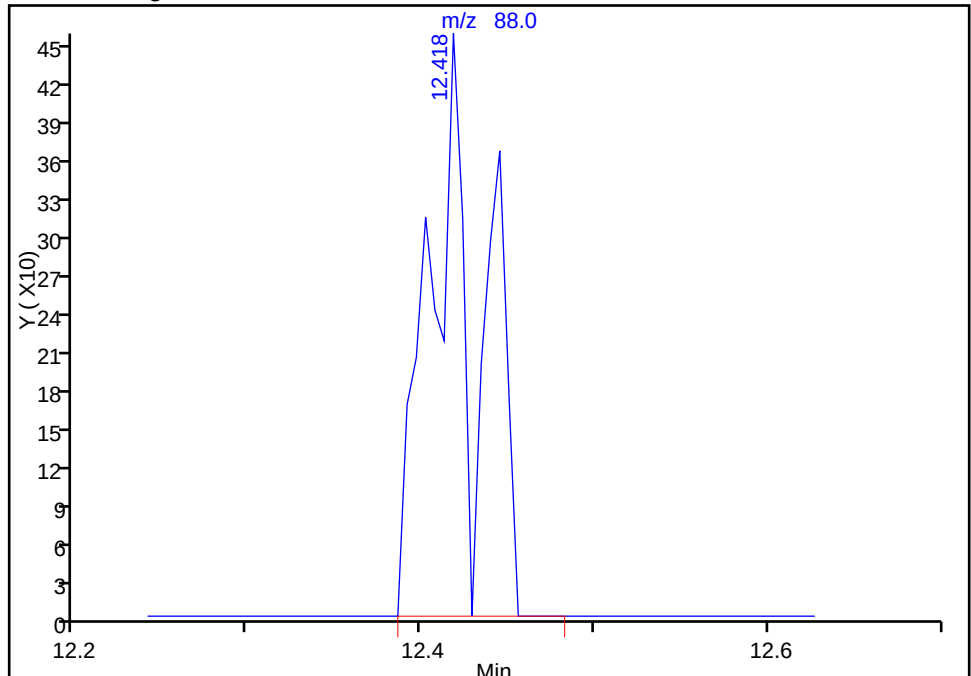
RT: 12.42  
Response: 676  
Amount: 0.143118

## Processing Integration Results



RT: 12.42  
Response: 942  
Amount: 0.189375

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

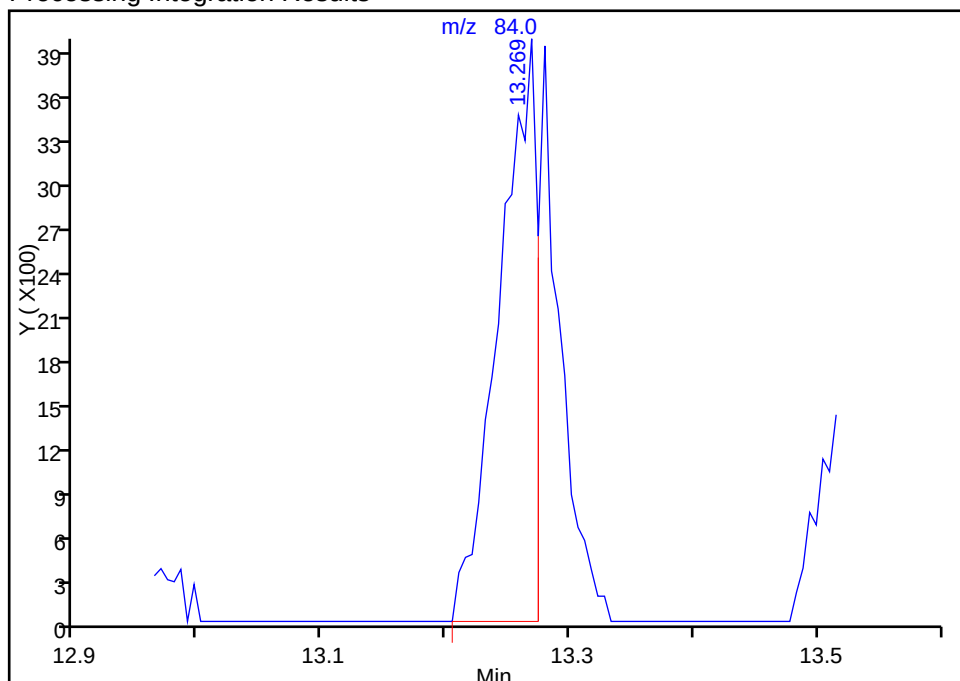
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 46 Cyclohexane, CAS: 110-82-7

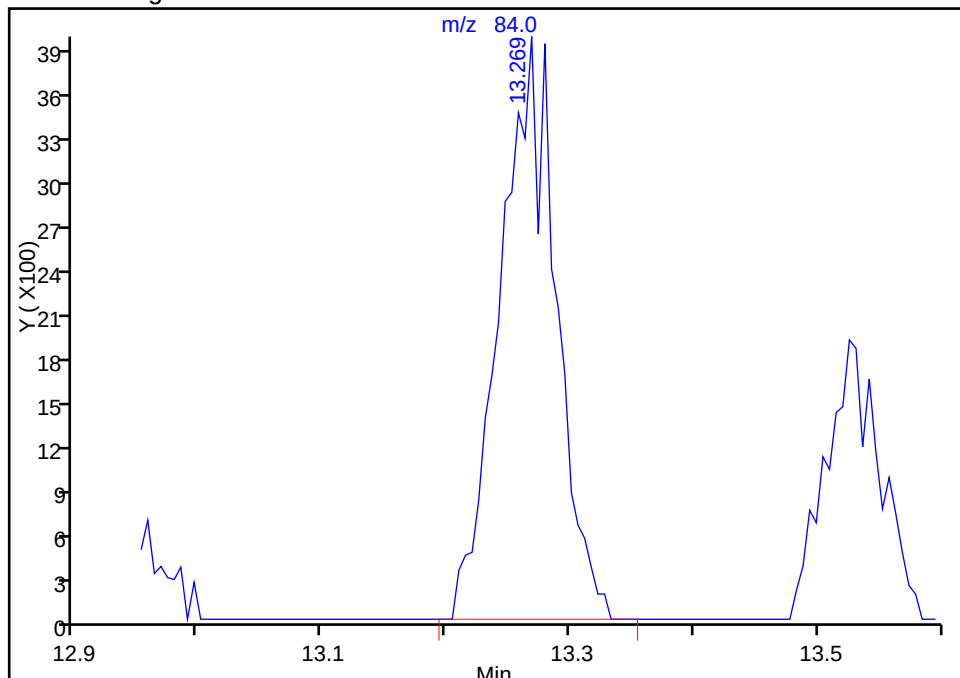
RT: 13.27  
Response: 8456  
Amount: 0.137490

## Processing Integration Results



RT: 13.27  
Response: 12613  
Amount: 0.173173

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

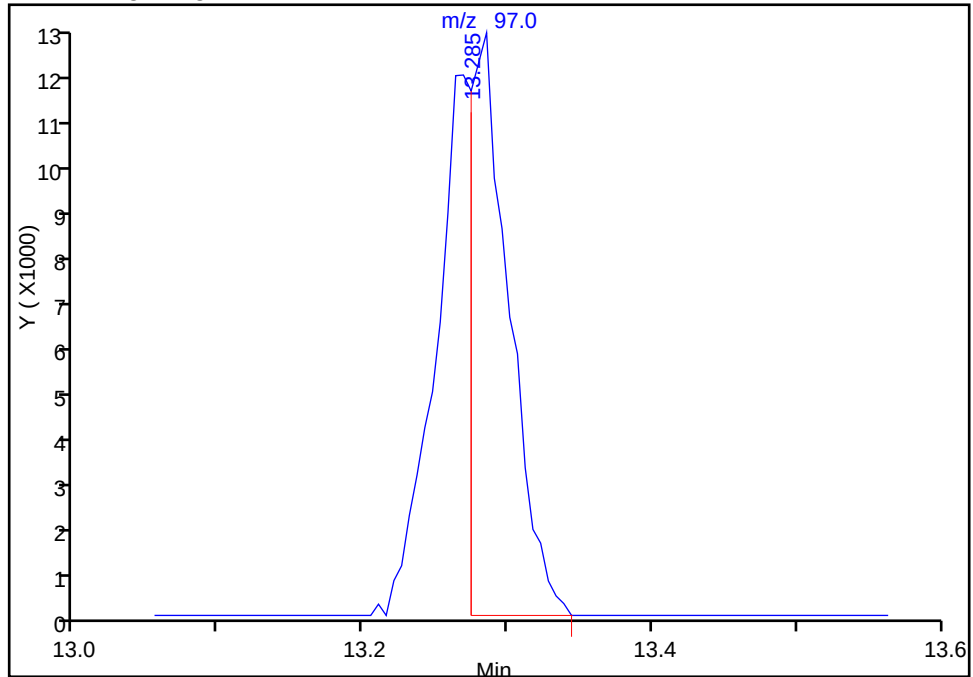
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 47 1,1,1-Trichloroethane, CAS: 71-55-6

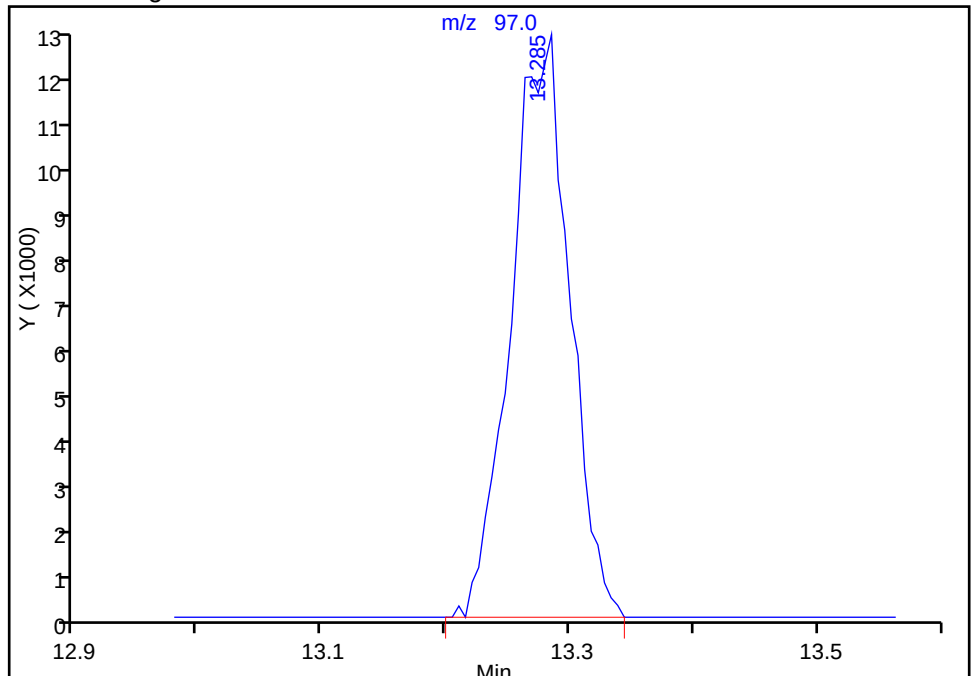
RT: 13.29  
Response: 22602  
Amount: 0.162437

## Processing Integration Results



RT: 13.29  
Response: 39303  
Amount: 0.236027

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

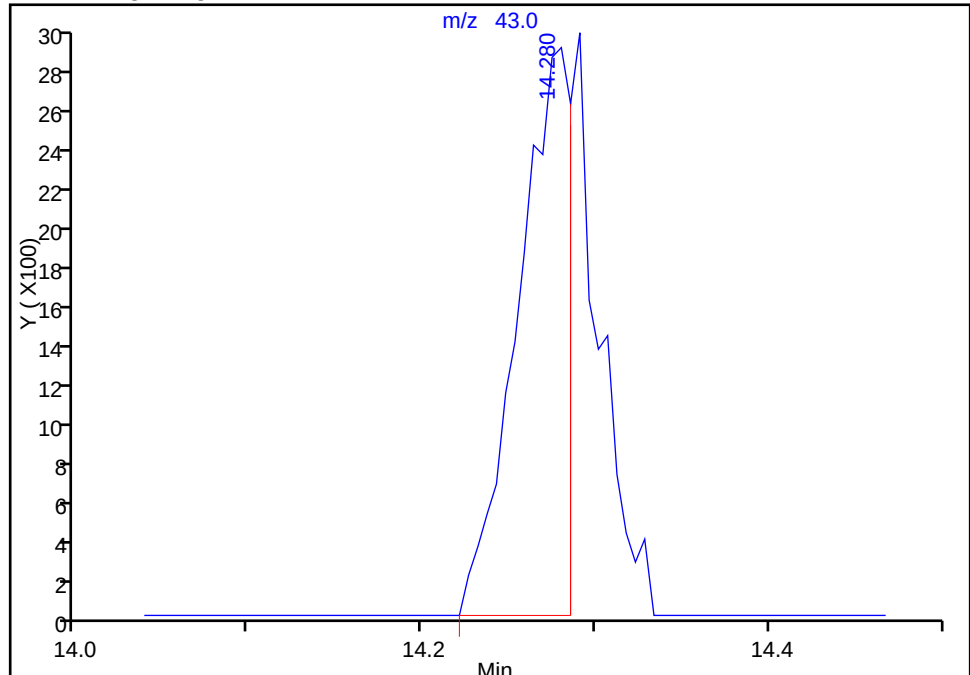
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**53 n-Heptane, CAS: 142-82-5**

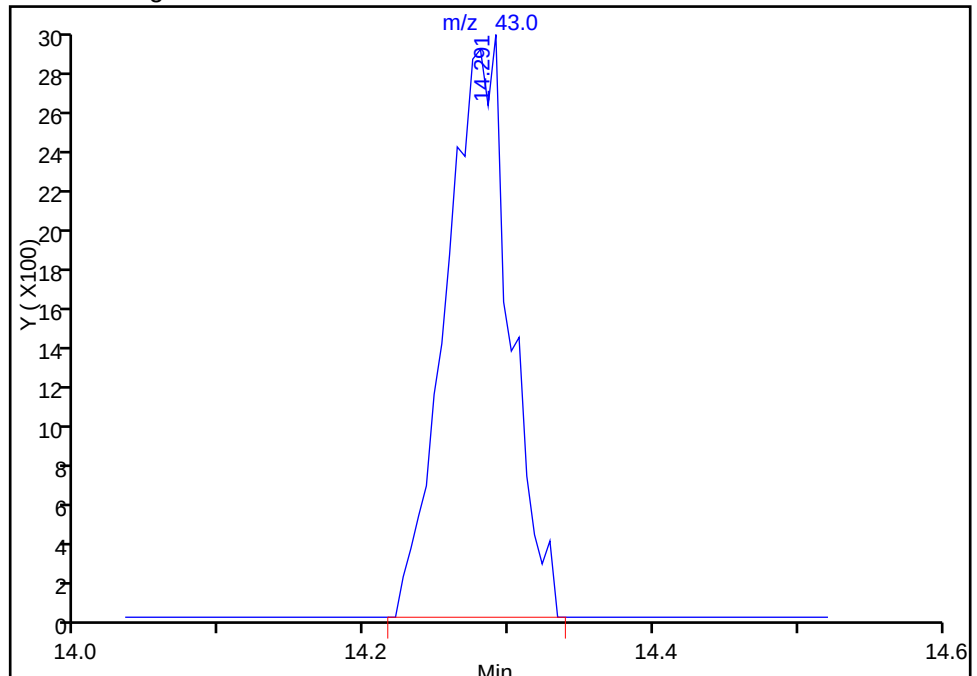
RT: 14.28  
Response: 6041  
Amount: 0.116642

## Processing Integration Results



RT: 14.29  
Response: 8920  
Amount: 0.147266

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

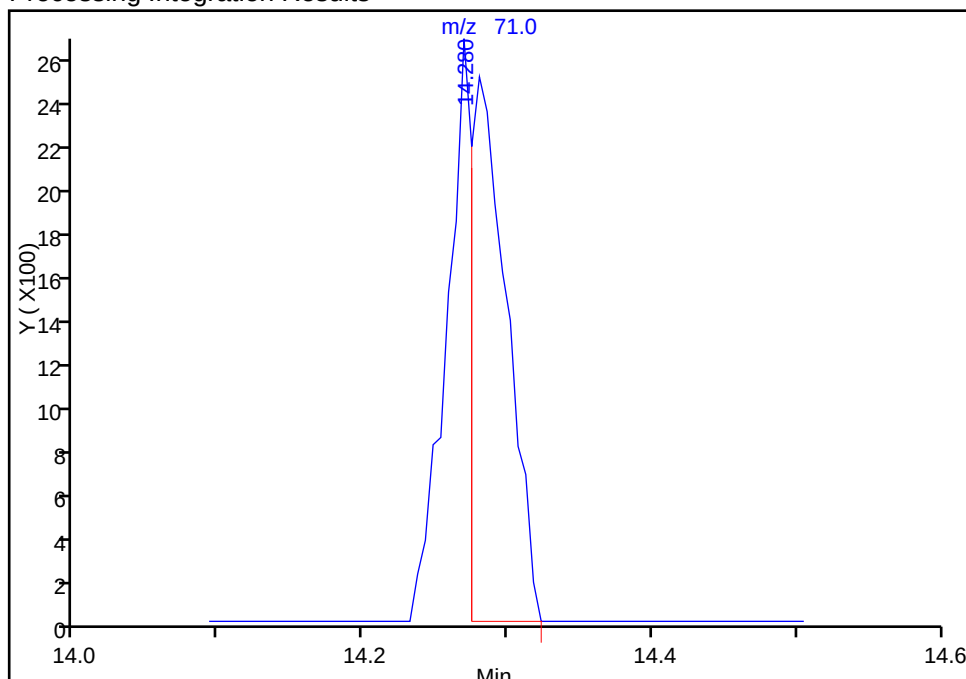
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

## 53 n-Heptane, CAS: 142-82-5

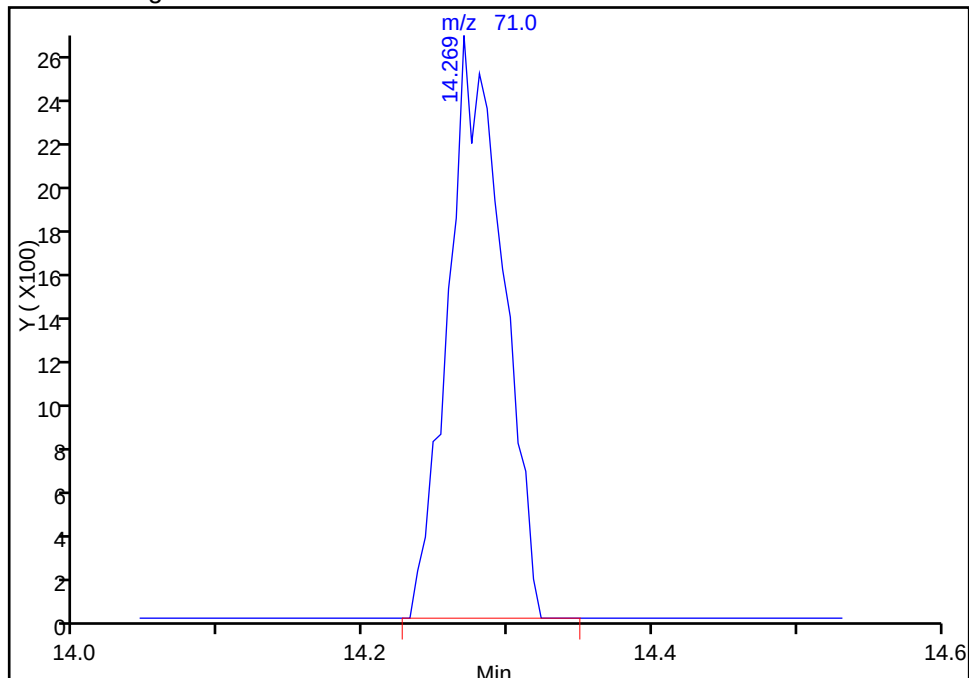
RT: 14.28  
Response: 4272  
Amount: 0.116642

## Processing Integration Results



RT: 14.27  
Response: 6875  
Amount: 0.147266

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event



## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNIJ_TO3_W_(v1)                                  | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

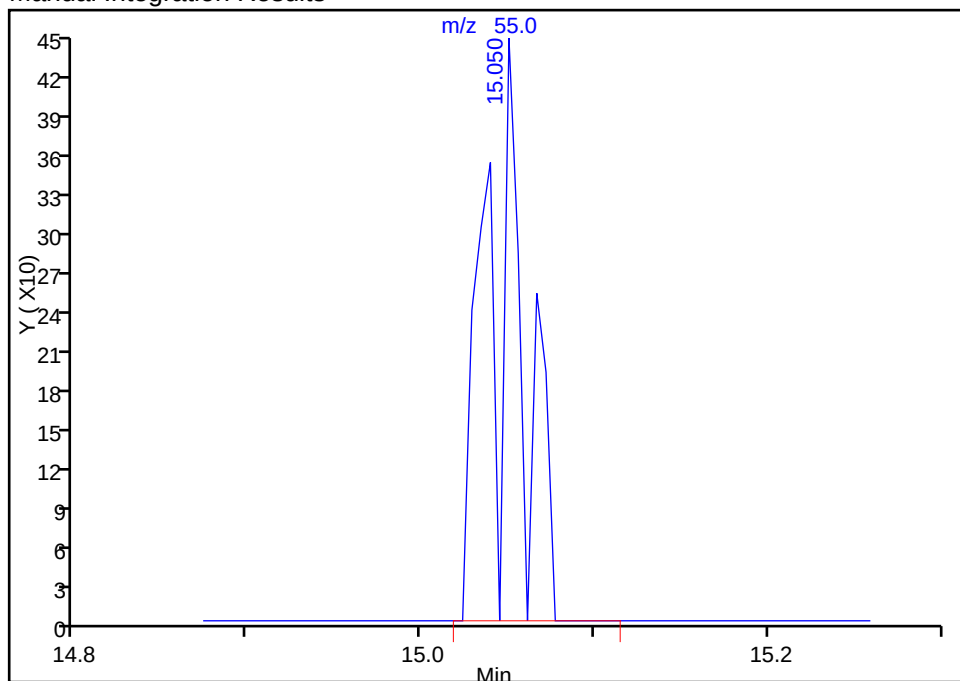
**55 n-Butanol, CAS: 71-36-3**

## Processing Integration Results

RT: 15.02  
Response: 0  
Amount: 0.170561

RT: 15.05  
Response: 667  
Amount: 0.154837

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25

Audit Action: Manually Integrated

Audit Reason: Baseline Event

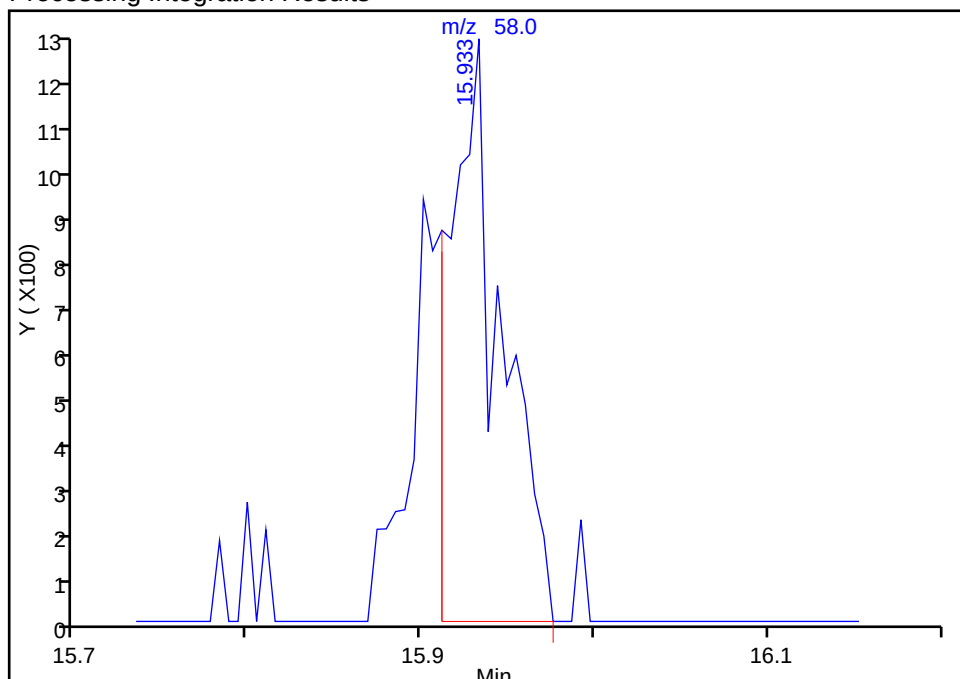
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 60 1,4-Dioxane, CAS: 123-91-1

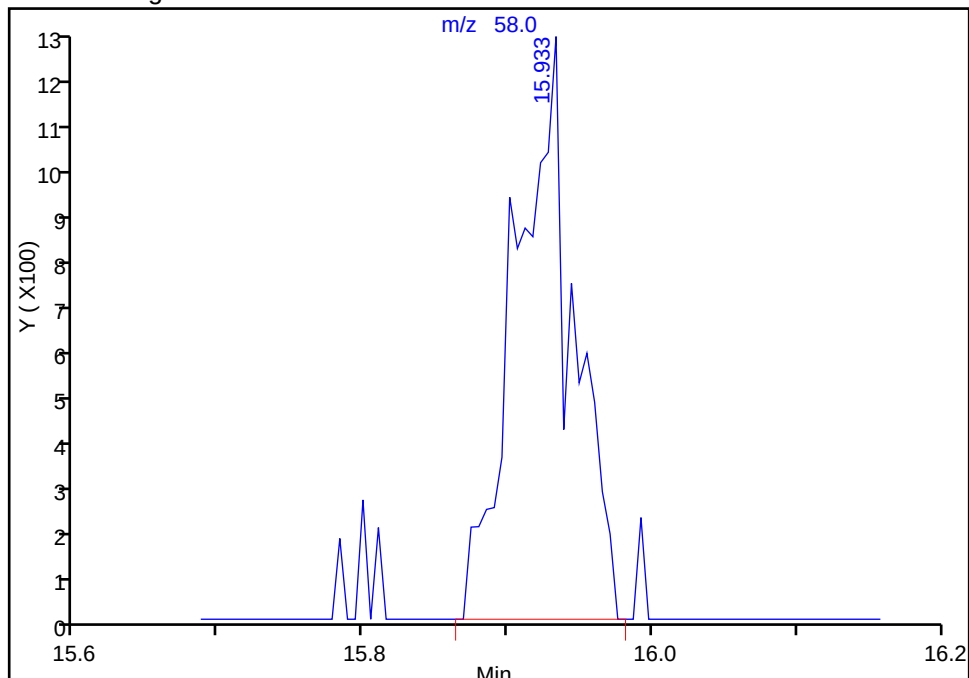
RT: 15.93  
Response: 2644  
Amount: 0.246008

## Processing Integration Results



RT: 15.93  
Response: 3606  
Amount: 0.209876

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

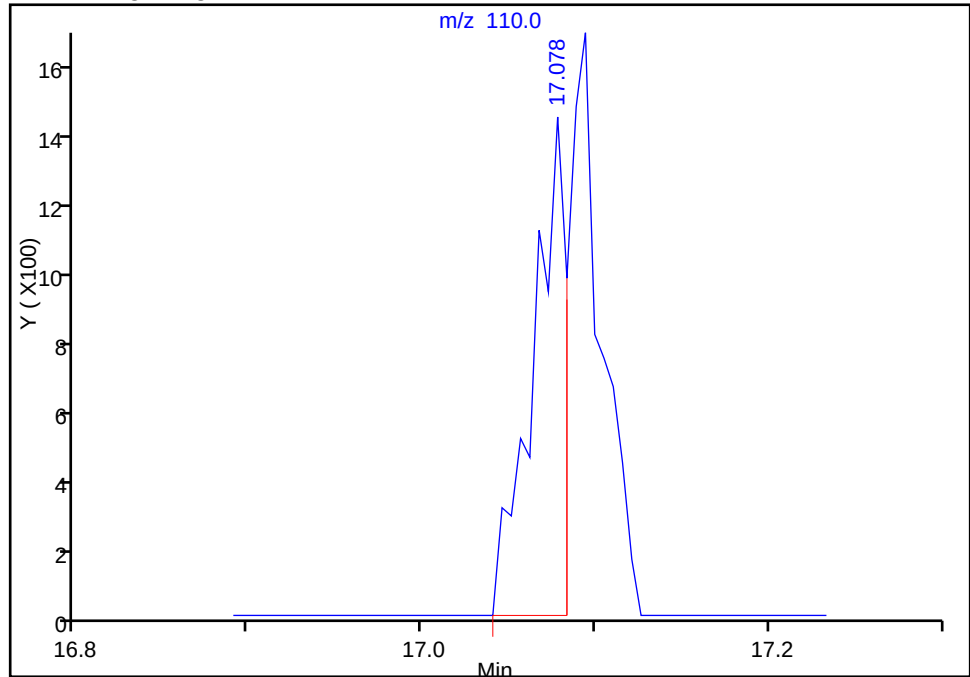
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**64 cis-1,3-Dichloropropene, CAS: 10061-01-5**

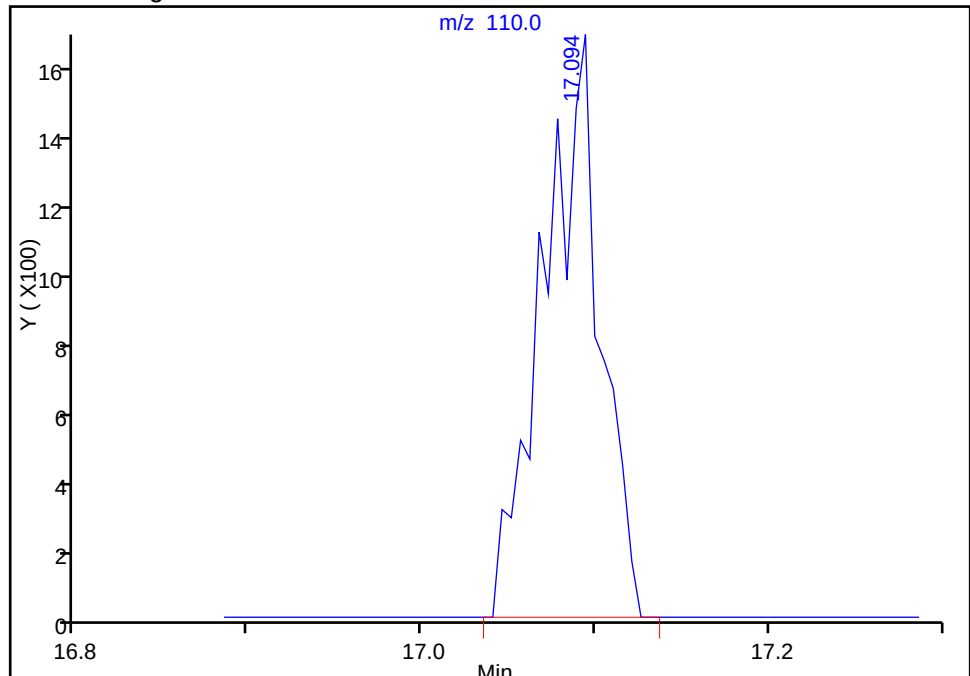
RT: 17.08  
Response: 1884  
Amount: 0.177105

## Processing Integration Results



RT: 17.09  
Response: 3753  
Amount: 0.157295

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

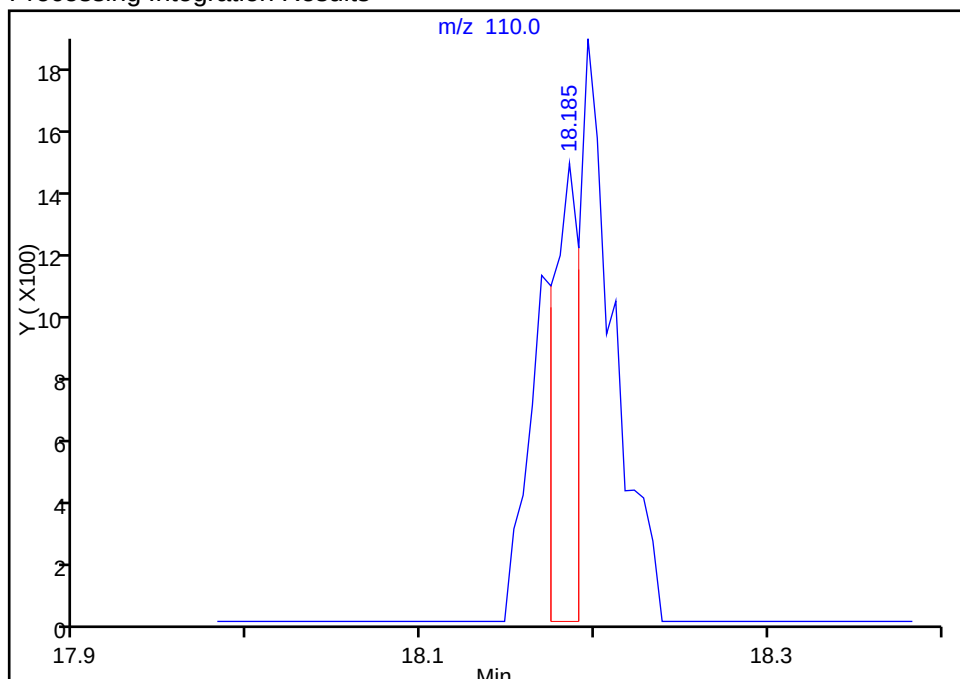
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**70 trans-1,3-Dichloropropene, CAS: 10061-02-6**

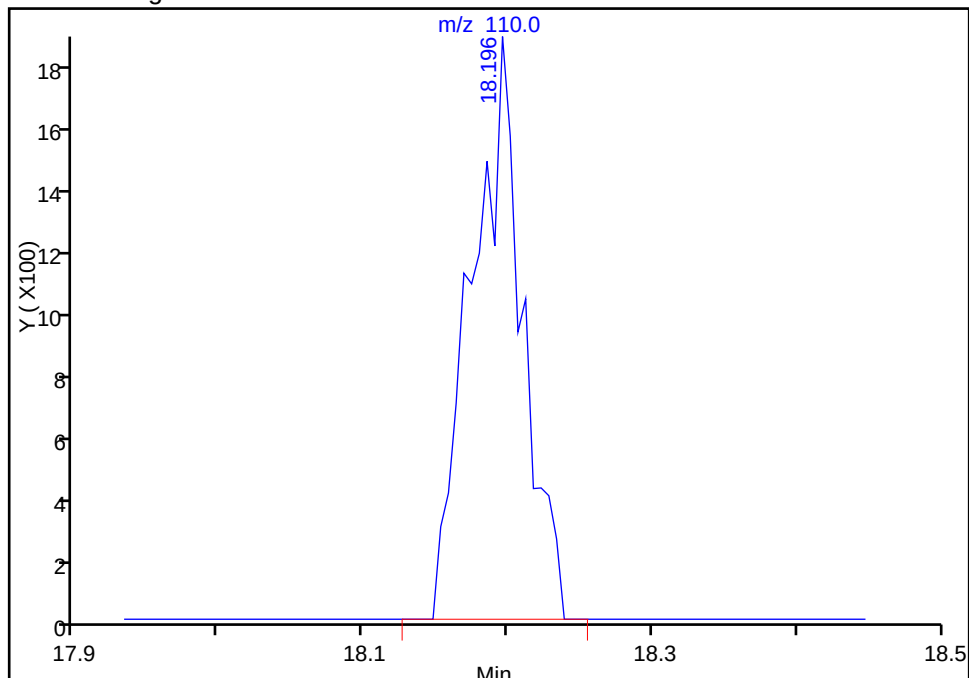
RT: 18.19  
Response: 1574  
Amount: 0.178080

## Processing Integration Results



RT: 18.20  
Response: 4572  
Amount: 0.158043

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

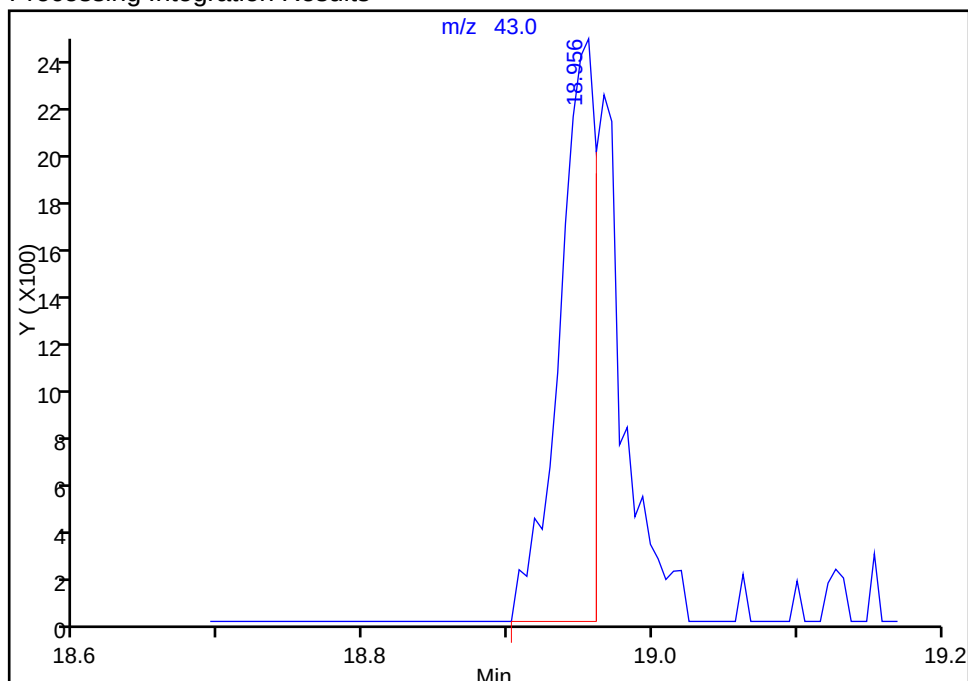
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 73 2-Hexanone, CAS: 591-78-6

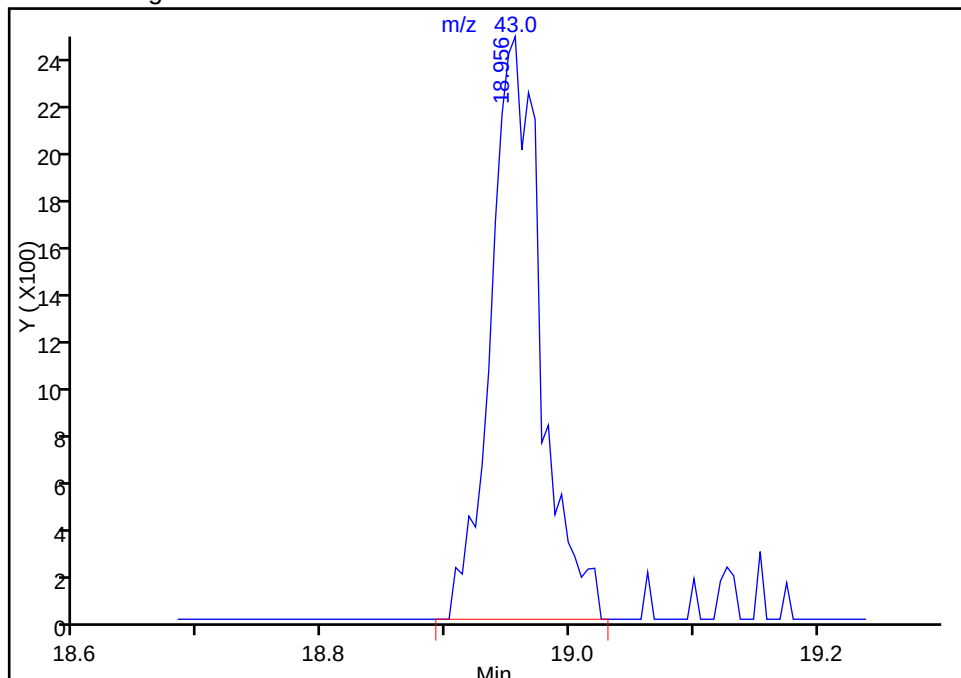
RT: 18.96  
Response: 4255  
Amount: 0.075021

## Processing Integration Results



RT: 18.96  
Response: 6782  
Amount: 0.094869

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

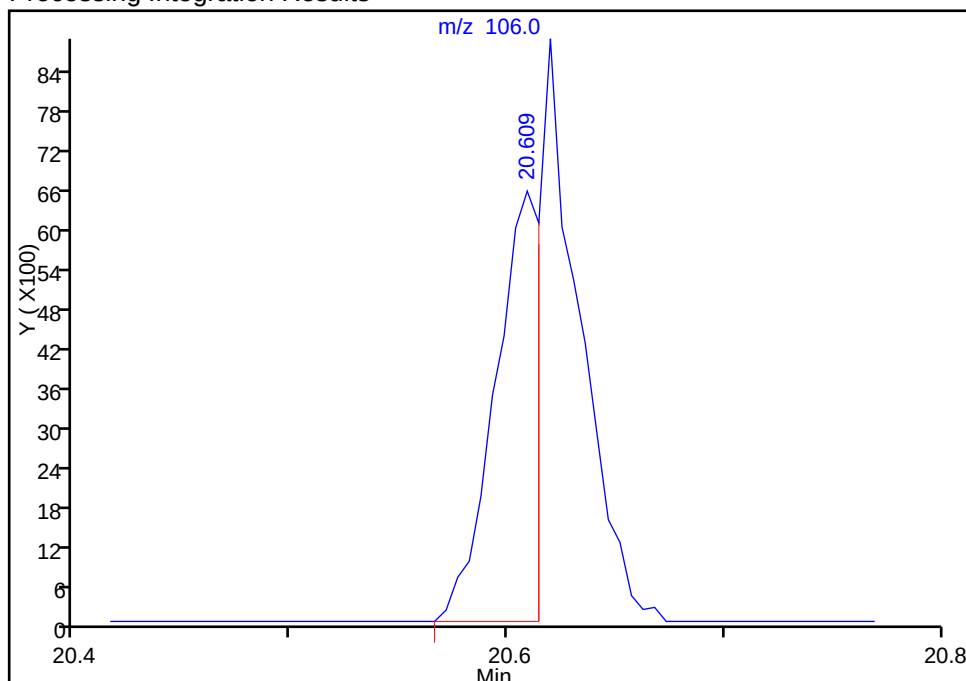
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 78 Ethylbenzene, CAS: 100-41-4

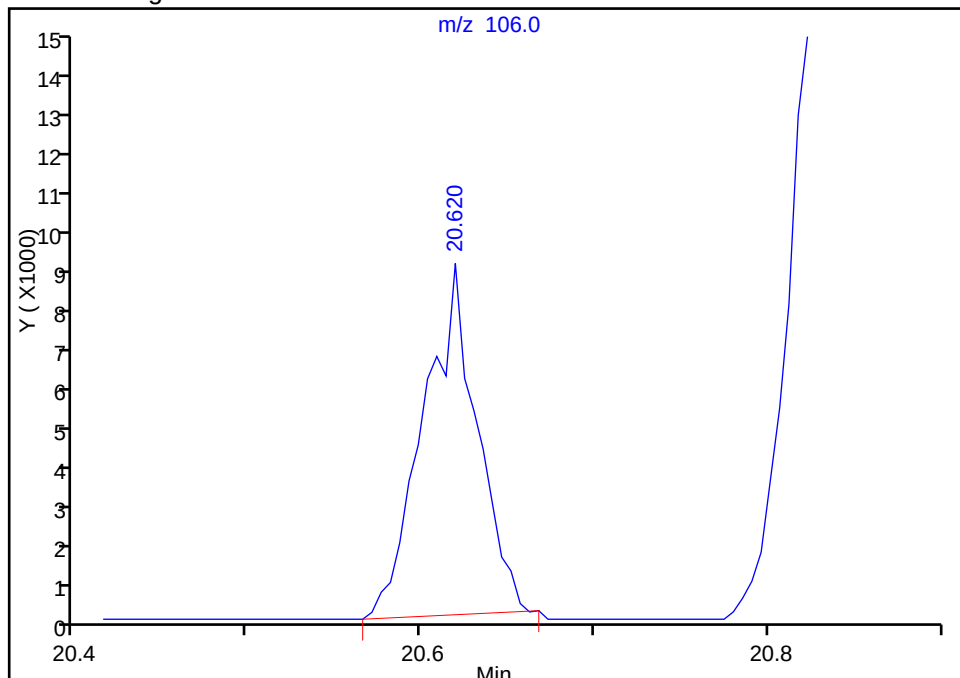
RT: 20.61  
Response: 9639  
Amount: 0.221726

## Processing Integration Results



RT: 20.62  
Response: 18809  
Amount: 0.198213

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

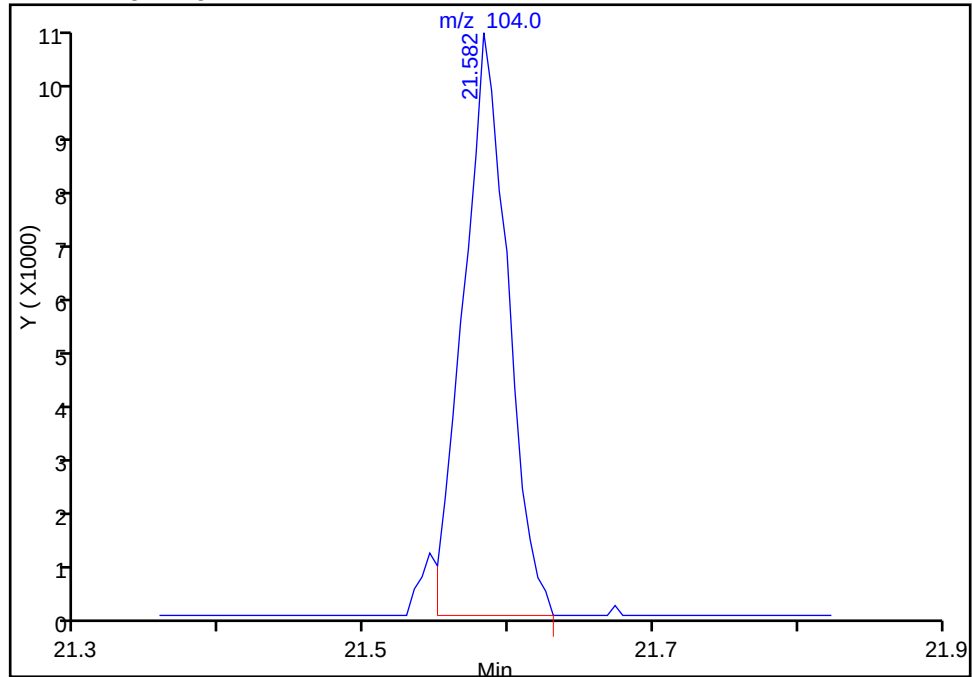
## TestAmerica Burlington

|                 |                                                        |                |              |
|-----------------|--------------------------------------------------------|----------------|--------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_005.d |                |              |
| Injection Date: | 11-Feb-2014 20:02:30                                   | Instrument ID: | CHW.i        |
| Lims ID:        | IC                                                     | Lab Sample ID: |              |
| Client ID:      |                                                        |                |              |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 2            |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000       |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN      |
|                 |                                                        | Worklist Smp#: | 5            |

## 84 Styrene, CAS: 100-42-5

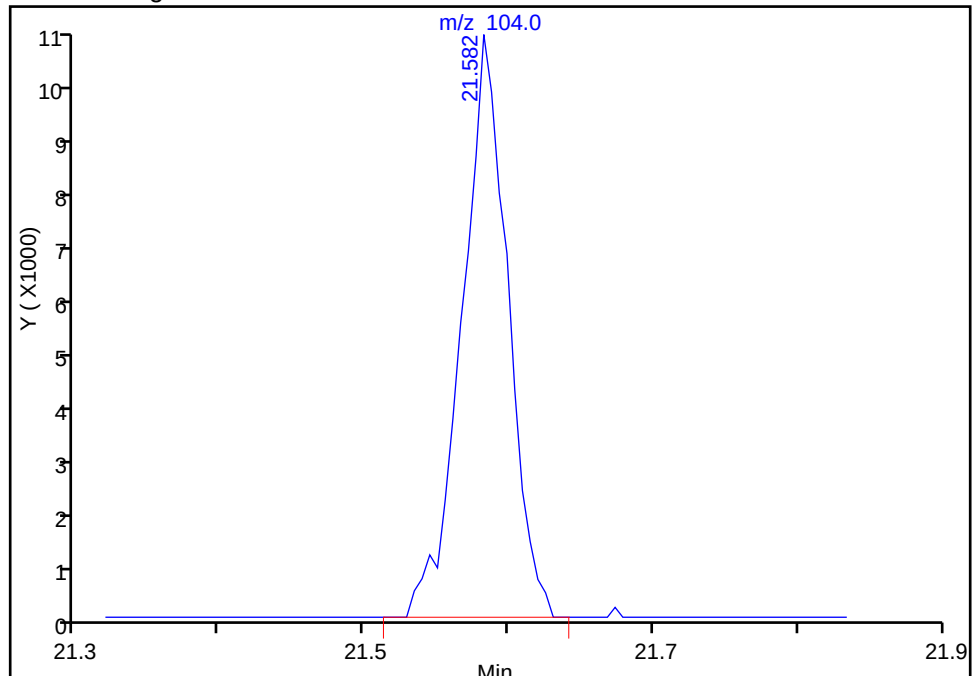
RT: 21.58  
Response: 22156  
Amount: 0.150275

## Processing Integration Results



RT: 21.58  
Response: 22885  
Amount: 0.136574

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

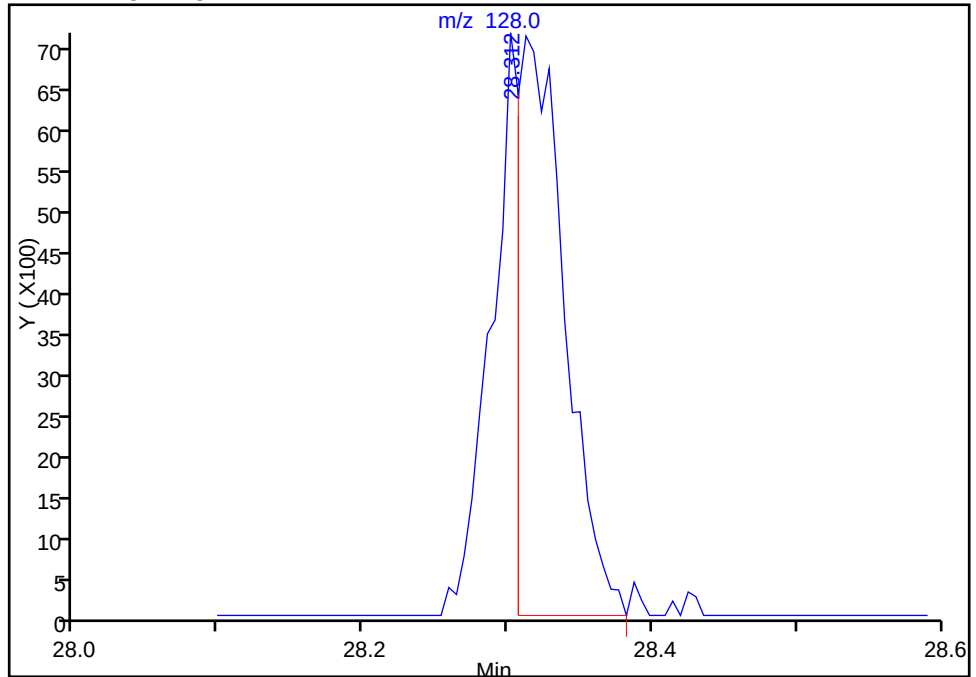
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_005.d  
Injection Date: 11-Feb-2014 20:02:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 2 Worklist Smp#: 5  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**109 Naphthalene, CAS: 91-20-3**

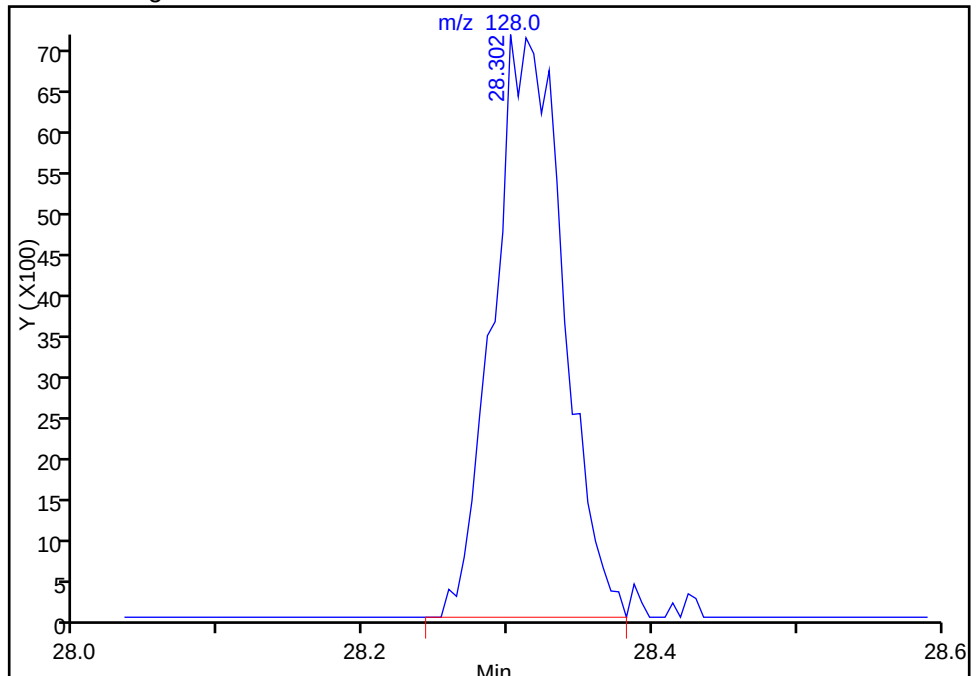
RT: 28.31  
Response: 16278  
Amount: 0.084564

## Processing Integration Results



RT: 28.30  
Response: 24028  
Amount: 0.099013

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:18:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_006.d  
 Lims ID: IC Lab Sample ID: Client 200-66936/5-A  
 Client ID:  
 Sample Type: IC Calib Level: 3  
 Inject. Date: 11-Feb-2014 20:50:30 ALS Bottle#: 3 Worklist Smp#: 6  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-006  
 Misc. Info.: IC 03  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:29 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:15:35

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.389  | 4.383     | 0.006     | 94 | 17418    | 0.5771                |       |
| 2 Dichlorodifluoromethane          | 85  | 4.474  | 4.479     | -0.005    | 98 | 123434   | 0.5903                |       |
| 6 Chlorodifluoromethane            | 51  | 4.544  | 4.544     | 0.0       | 70 | 45396    | 0.5731                |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.833  | 4.832     | 0.001     | 85 | 98986    | 0.5551                |       |
| 8 Chloromethane                    | 50  | 5.025  | 5.025     | 0.0       | 99 | 20727    | 0.5758                |       |
| 9 Butane                           | 43  | 5.293  | 5.287     | 0.006     | 94 | 30101    | 0.5161                |       |
| 10 Vinyl chloride                  | 62  | 5.346  | 5.346     | 0.0       | 92 | 24999    | 0.4827                |       |
| 11 Butadiene                       | 54  | 5.437  | 5.442     | -0.005    | 88 | 14783    | 0.4640                |       |
| 13 BFB                             |     |        |           |           |    |          |                       |       |
| 12 Bromomethane                    | 94  | 6.309  | 6.314     | -0.005    | 92 | 27701    | 0.5172                |       |
| 14 Chloroethane                    | 64  | 6.598  | 6.598     | 0.0       | 94 | 15205    | 0.5517                |       |
| 15 2-Methylbutane                  | 43  | 6.694  | 6.678     | 0.016     | 82 | 21929    | 0.4927                |       |
| 16 Vinyl bromide                   | 106 | 7.074  | 7.079     | -0.005    | 94 | 34512    | 0.4835                |       |
| 17 Trichlorofluoromethane          | 101 | 7.197  | 7.192     | 0.005     | 95 | 127882   | 0.5456                |       |
| 18 Pentane                         | 43  | 7.352  | 7.357     | -0.005    | 87 | 27914    | 0.4475                |       |
| 19 Ethanol                         | 45  | 7.802  | 7.796     | 0.006     | 97 | 66654    | 5.10                  |       |
| 21 Ethyl ether                     | 59  | 7.941  | 7.941     | 0.0       | 87 | 15093    | 0.4624                |       |
| 22 Acrolein                        | 56  | 8.417  | 8.406     | 0.011     | 46 | 7793     | 0.5681                | M     |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.444  | 8.443     | 0.001     | 90 | 79395    | 0.5413                |       |
| 24 1,1-Dichloroethene              | 96  | 8.524  | 8.518     | 0.006     | 85 | 30544    | 0.4835                |       |
| 25 Acetone                         | 43  | 8.759  | 8.748     | 0.011     | 87 | 148057   | 2.23                  |       |
| 26 Carbon disulfide                | 76  | 9.000  | 9.000     | 0.0       | 98 | 76631    | 0.5266                |       |
| 27 Isopropyl alcohol               | 45  | 9.043  | 9.032     | 0.011     | 90 | 27582    | 0.4959                |       |
| 29 3-Chloro-1-propene              | 41  | 9.412  | 9.406     | 0.006     | 79 | 17007    | 0.3785                |       |
| 30 Acetonitrile                    | 41  | 9.551  | 9.535     | 0.016     | 96 | 12533    | 0.5151                |       |
| 31 Methylene Chloride              | 49  | 9.744  | 9.733     | 0.011     | 73 | 28417    | 0.6147                |       |
| 32 2-Methyl-2-propanol             | 59  | 9.909  | 9.904     | 0.005     | 94 | 37886    | 0.3754                |       |
| 33 Methyl tert-butyl ether         | 73  | 10.177 | 10.161    | 0.016     | 96 | 64978    | 0.3885                |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0  |          | 0.9863                |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.230 | 10.236    | -0.006    | 91 | 38176    | 0.5012                |       |

| Sig   | RT<br>(min.)                | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags    |         |        |   |
|-------|-----------------------------|------------------|------------------|--------|----------------|-----------------------|----------|---------|--------|---|
| 35    | Acrylonitrile               |                  | 53               | 10.396 | 10.385         | 0.011                 | 91       | 12951   | 0.4572 | M |
| 36    | Hexane                      |                  | 57               | 10.658 | 10.653         | 0.005                 | 84       | 26195   | 0.4093 |   |
| 37    | 1,1-Dichloroethane          |                  | 63               | 11.199 | 11.199         | 0.0                   | 94       | 50341   | 0.4911 |   |
| 38    | Vinyl acetate               |                  | 43               | 11.236 | 11.236         | 0.0                   | 97       | 33466   | 0.3514 |   |
| 39    | cis-1,2-Dichloroethene      |                  | 96               | 12.381 | 12.375         | 0.006                 | 83       | 32364   | 0.4850 | M |
| 40    | 2-Butanone (MEK)            |                  | 72               | 12.402 | 12.392         | 0.010                 | 100      | 16509   | 0.5873 |   |
| 42    | Ethyl acetate               |                  | 88               | 12.419 | 12.413         | 0.005                 | 92       | 2650    | 0.4849 |   |
| 44    | Tetrahydrofuran             |                  | 42               | 12.863 | 12.846         | 0.017                 | 30       | 17090   | 0.4161 |   |
| * 43  | Chlorobromomethane          |                  | 128              | 12.857 | 12.852         | 0.005                 | 68       | 457214  | 10.0   |   |
| 45    | Chloroform                  |                  | 83               | 12.964 | 12.964         | 0.0                   | 93       | 82871   | 0.5409 |   |
| 46    | Cyclohexane                 |                  | 84               | 13.264 | 13.264         | 0.0                   | 71       | 33475   | 0.4224 |   |
| 47    | 1,1,1-Trichloroethane       |                  | 97               | 13.274 | 13.280         | -0.006                | 93       | 92001   | 0.5077 |   |
| 48    | Carbon tetrachloride        |                  | 117              | 13.526 | 13.531         | -0.005                | 97       | 101161  | 0.4888 |   |
| 51    | Isooctane                   |                  | 57               | 13.927 | 13.927         | 0.0                   | 96       | 82834   | 0.3924 |   |
| 50    | Benzene                     |                  | 78               | 13.986 | 13.986         | 0.0                   | 93       | 98915   | 0.5229 |   |
| 52    | 1,2-Dichloroethane          |                  | 62               | 14.146 | 14.141         | 0.005                 | 98       | 47698   | 0.4982 |   |
| 53    | n-Heptane                   |                  | 43               | 14.286 | 14.275         | 0.011                 | 77       | 26991   | 0.4095 |   |
| * 54  | 1,4-Difluorobenzene         |                  | 114              | 14.746 | 14.745         | 0.001                 | 92       | 2170848 | 10.0   |   |
| A 57  | GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 13003444 | 0       |        |   |
| 55    | n-Butanol                   |                  | 56               | 15.045 | 15.024         | 0.021                 | 89       | 6839    | 0.2913 |   |
| 56    | Trichloroethene             |                  | 95               | 15.211 | 15.211         | 0.0                   | 90       | 47767   | 0.4905 |   |
| 58    | 1,2-Dichloropropane         |                  | 63               | 15.735 | 15.730         | 0.005                 | 83       | 28669   | 0.4975 |   |
| 59    | Methyl methacrylate         |                  | 69               | 15.816 | 15.815         | 0.001                 | 76       | 23159   | 0.3877 |   |
| 60    | 1,4-Dioxane                 |                  | 88               | 15.923 | 15.901         | 0.022                 | 79       | 12644   | 0.3818 |   |
| 61    | Dibromomethane              |                  | 174              | 15.971 | 15.970         | 0.001                 | 87       | 62781   | 0.5256 |   |
| 62    | Dichlorobromomethane        |                  | 83               | 16.222 | 16.222         | 0.0                   | 94       | 83907   | 0.5032 |   |
| A 63  | TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 22022390 | 139.9   |        |   |
| 64    | cis-1,3-Dichloropropene     |                  | 75               | 17.089 | 17.083         | 0.006                 | 87       | 34655   | 0.3675 |   |
| 65    | 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324         | 0.0                   | 93       | 31716   | 0.3434 |   |
| A 68  | C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 513321   | NC      |        |   |
| 69    | n-Octane                    |                  | 43               | 17.656 | 17.656         | 0.0                   | 70       | 37852   | 0.4334 |   |
| 66    | Toluene                     |                  | 92               | 17.661 | 17.661         | 0.0                   | 93       | 73260   | 0.5265 |   |
| A 67  | Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 513321   | NC      |        |   |
| 70    | trans-1,3-Dichloropropene   |                  | 75               | 18.185 | 18.191         | -0.006                | 93       | 44645   | 0.4126 |   |
| 71    | 1,1,1,2-Trichloroethane     |                  | 83               | 18.560 | 18.560         | 0.0                   | 89       | 35957   | 0.5182 | M |
| 72    | Tetrachloroethene           |                  | 166              | 18.694 | 18.699         | -0.005                | 90       | 88985   | 0.5139 |   |
| 73    | 2-Hexanone                  |                  | 43               | 18.956 | 18.950         | 0.006                 | 90       | 21708   | 0.2771 |   |
| 74    | Chlorodibromomethane        |                  | 129              | 19.314 | 19.314         | 0.0                   | 96       | 93585   | 0.4856 |   |
| 75    | Ethylene Dibromide          |                  | 107              | 19.598 | 19.603         | -0.005                | 98       | 66106   | 0.4696 |   |
| S 82  | Xylenes, Total              |                  | 106              |        |                | 0                     |          |         | 1.49   |   |
| * 76  | Chlorobenzene-d5            |                  | 117              | 20.443 | 20.443         | 0.0                   | 83       | 1918800 | 10.0   |   |
| 77    | Chlorobenzene               |                  | 112              | 20.497 | 20.502         | -0.005                | 58       | 129862  | 0.5579 |   |
| 78    | Ethylbenzene                |                  | 91               | 20.614 | 20.614         | 0.0                   | 94       | 155744  | 0.4790 |   |
| 79    | n-Nonane                    |                  | 57               | 20.678 | 20.673         | 0.005                 | 76       | 53782   | 0.4957 |   |
| 80    | m-Xylene & p-Xylene         |                  | 106              | 20.834 | 20.833         | 0.001                 | 100      | 139833  | 1.07   |   |
| 83    | o-Xylene                    |                  | 106              | 21.550 | 21.545         | 0.005                 | 94       | 52242   | 0.4221 |   |
| 84    | Styrene                     |                  | 104              | 21.588 | 21.582         | 0.006                 | 95       | 77369   | 0.4213 |   |
| 85    | Bromoform                   |                  | 173              | 21.957 | 21.962         | -0.005                | 99       | 92486   | 0.4772 |   |
| 86    | Isopropylbenzene            |                  | 105              | 22.112 | 22.112         | 0.0                   | 95       | 172015  | 0.4520 |   |
| \$ 87 | 4-Bromofluorobenzene        |                  | 95               | 22.444 | 22.444         | 0.0                   | 97       | 1305509 | NC     |   |
| 88    | 1,1,1,2,2-Tetrachloroethane |                  | 83               | 22.669 | 22.668         | 0.001                 | 90       | 103396  | 0.5483 |   |
| 90    | N-Propylbenzene             |                  | 91               | 22.743 | 22.743         | 0.0                   | 99       | 219094  | 0.4948 |   |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response |        | On-Col Amt<br>ppb v/v | Flags  |        |   |
|-----|------------------------|------------------|------------------|--------|----------|--------|-----------------------|--------|--------|---|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.770 | 22.770   | 0.0    | 87                    | 83276  | 0.5739 |   |
| 93  | n-Decane               |                  | 57               | 22.856 | 22.861   | -0.005 | 81                    | 72633  | 0.4783 |   |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.915 | 22.909   | 0.006  | 96                    | 226925 | 0.5357 |   |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.941 | 22.946   | -0.005 | 85                    | 201834 | 0.5449 |   |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.000 | 23.005   | -0.005 | 92                    | 208827 | 0.5327 |   |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 | 23.353   | 0.0    | 91                    | 53663  | 0.3285 |   |
| 96  | tert-Butylbenzene      |                  | 119              | 23.476 | 23.481   | -0.005 | 91                    | 204550 | 0.5372 |   |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.573 | 23.572   | 0.001  | 96                    | 192945 | 0.5157 |   |
| 98  | sec-Butylbenzene       |                  | 105              | 23.808 | 23.808   | 0.0    | 98                    | 274870 | 0.5331 |   |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.017 | 24.011   | 0.006  | 88                    | 228988 | 0.5050 |   |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.081 | 24.081   | 0.0    | 98                    | 143765 | 0.5272 |   |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.220 | 24.225   | -0.005 | 97                    | 120110 | 0.4732 |   |
| 102 | Benzyl chloride        |                  | 91               | 24.434 | 24.434   | 0.0    | 98                    | 70400  | 0.3088 |   |
| 104 | Undecane               |                  | 57               | 24.632 | 24.626   | 0.006  | 84                    | 60243  | 0.3912 |   |
| 103 | n-Butylbenzene         |                  | 91               | 24.648 | 24.653   | -0.005 | 96                    | 183834 | 0.5345 |   |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.835 | 24.830   | 0.005  | 98                    | 136043 | 0.5125 |   |
| 106 | Dodecane               |                  | 57               | 26.435 | 26.434   | 0.001  | 75                    | 6657   | 0.0661 | M |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.735 | 27.724   | 0.011  | 82                    | 40734  | 0.2987 |   |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.927 | 27.927   | 0.0    | 94                    | 117807 | 0.5462 |   |
| 109 | Naphthalene            |                  | 128              | 28.323 | 28.312   | 0.011  | 81                    | 47038  | 0.1769 | M |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.880 | 28.879   | 0.001  | 90                    | 35855  | 0.2822 |   |

## QC Flag Legend

Review Flags

M - Manually Integrated

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_006.d

Injection Date: 11-Feb-2014 20:50:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID: Client 200-66936/5-A

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

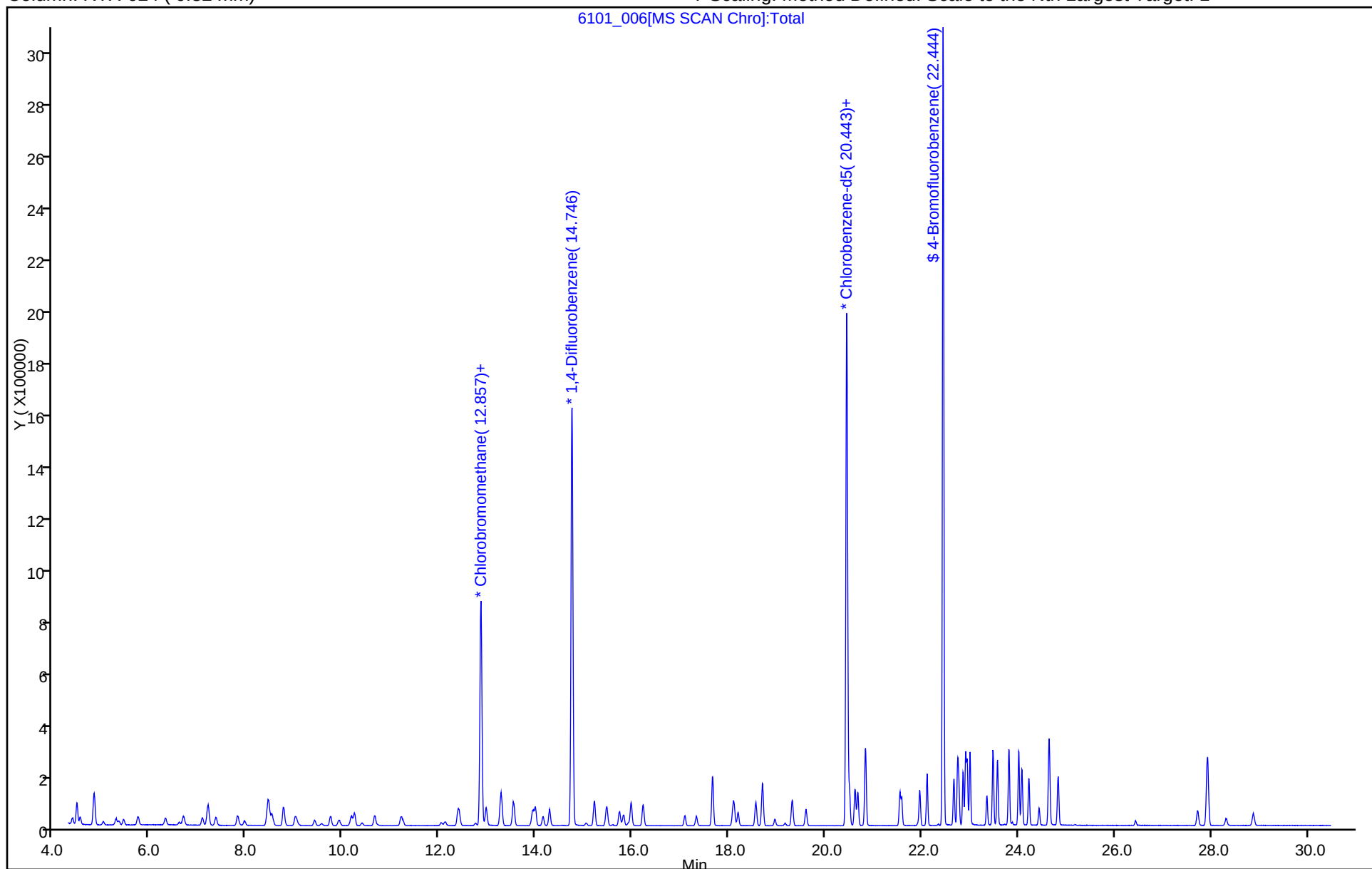
ALS Bottle#: 3

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



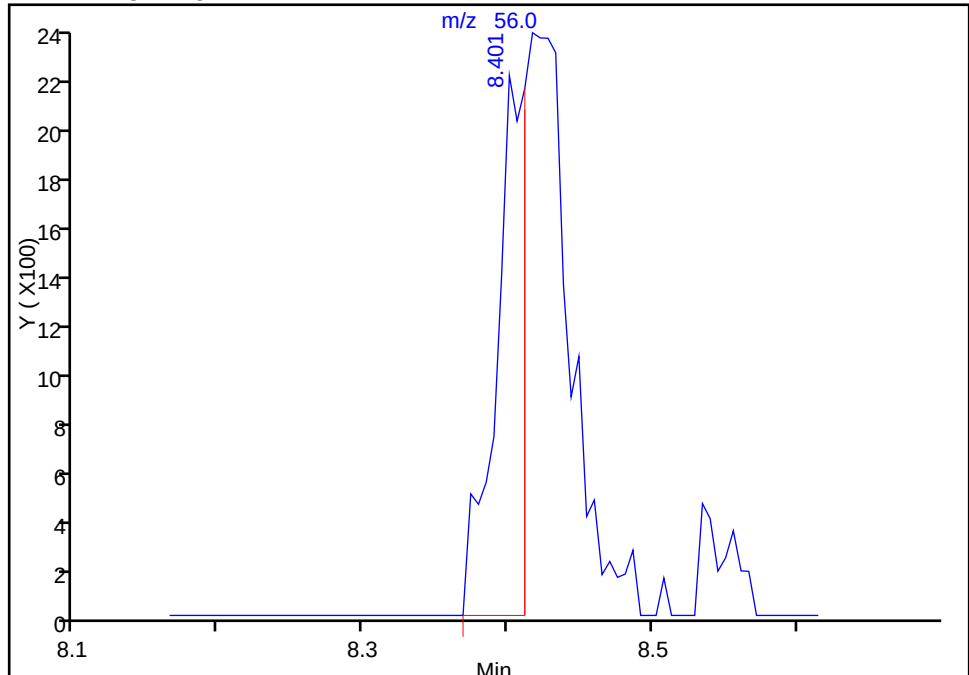
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3                    |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |
|                 |                                                        | Worklist Smp#: | 6                    |

## 22 Acrolein, CAS: 107-02-8

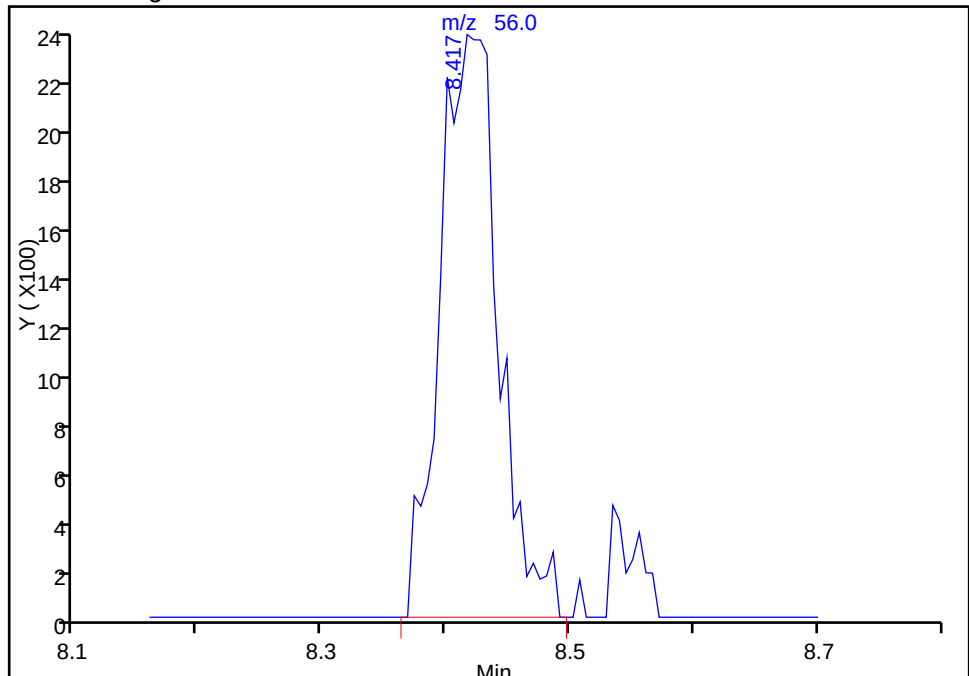
RT: 8.40  
Response: 3173  
Amount: 0.272238

## Processing Integration Results



RT: 8.42  
Response: 7793  
Amount: 0.568096

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

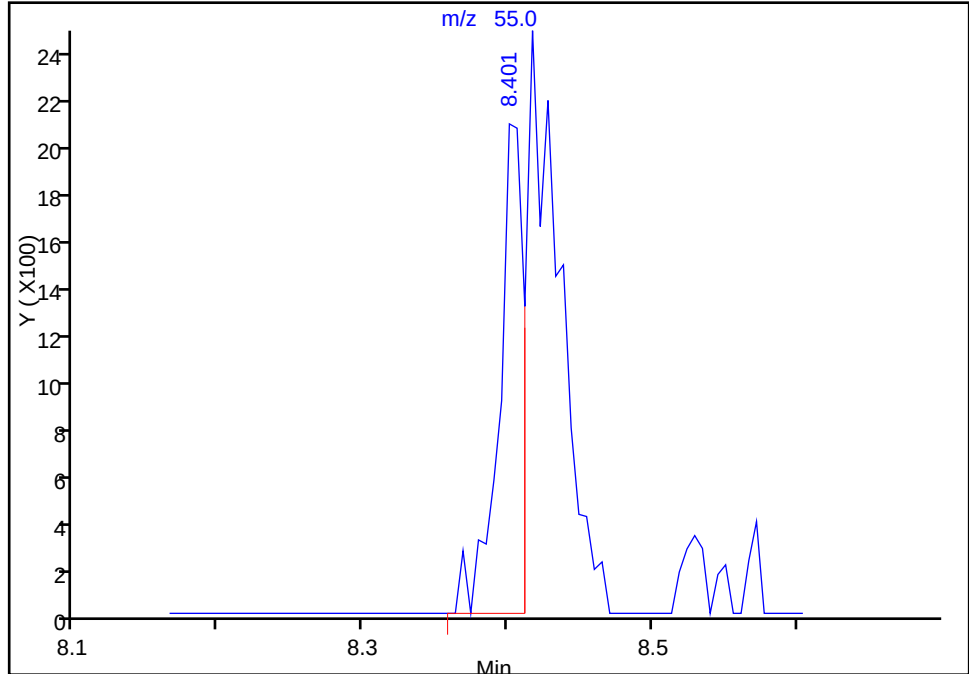
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3 Worklist Smp#: 6   |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |

**22 Acrolein, CAS: 107-02-8**

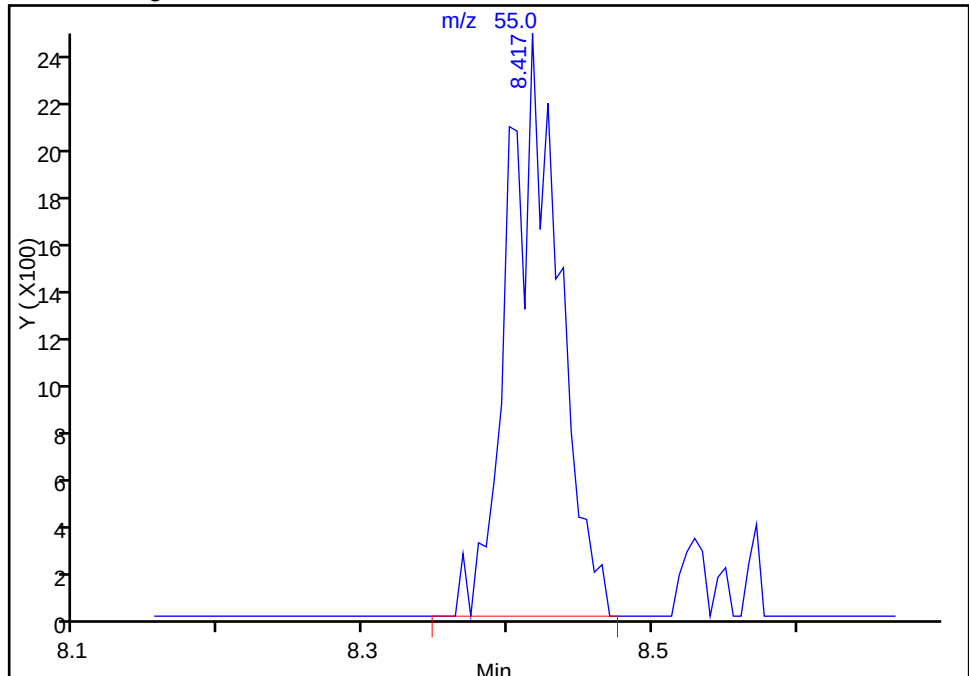
RT: 8.40  
Response: 2436  
Amount: 0.272238

## Processing Integration Results



RT: 8.42  
Response: 5952  
Amount: 0.568096

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

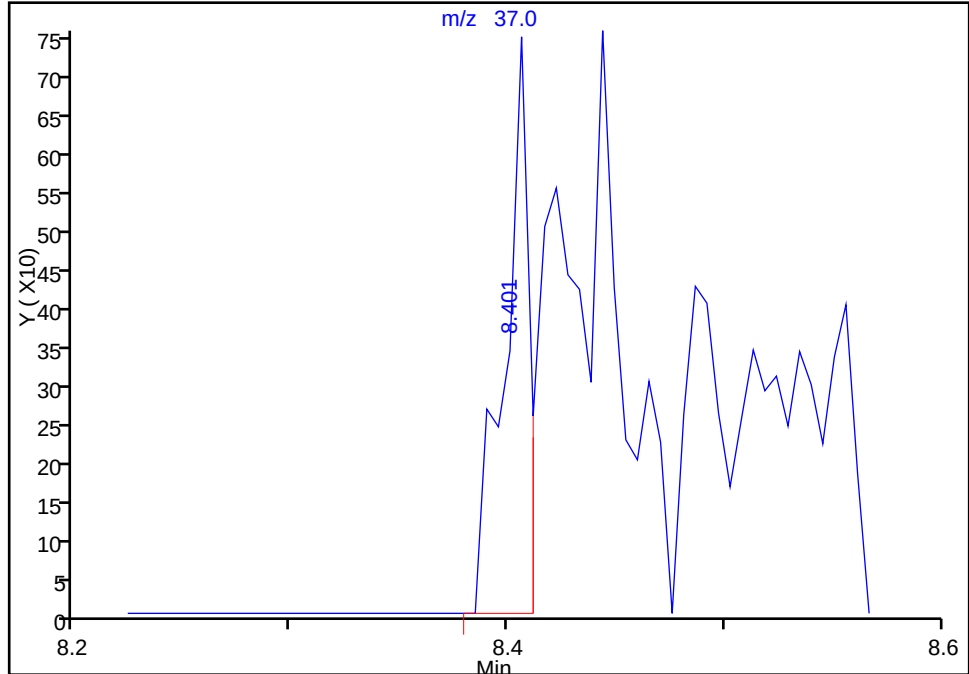
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3                    |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN              |
|                 |                                                        | Worklist Smp#: | 6                    |

**22 Acrolein, CAS: 107-02-8**

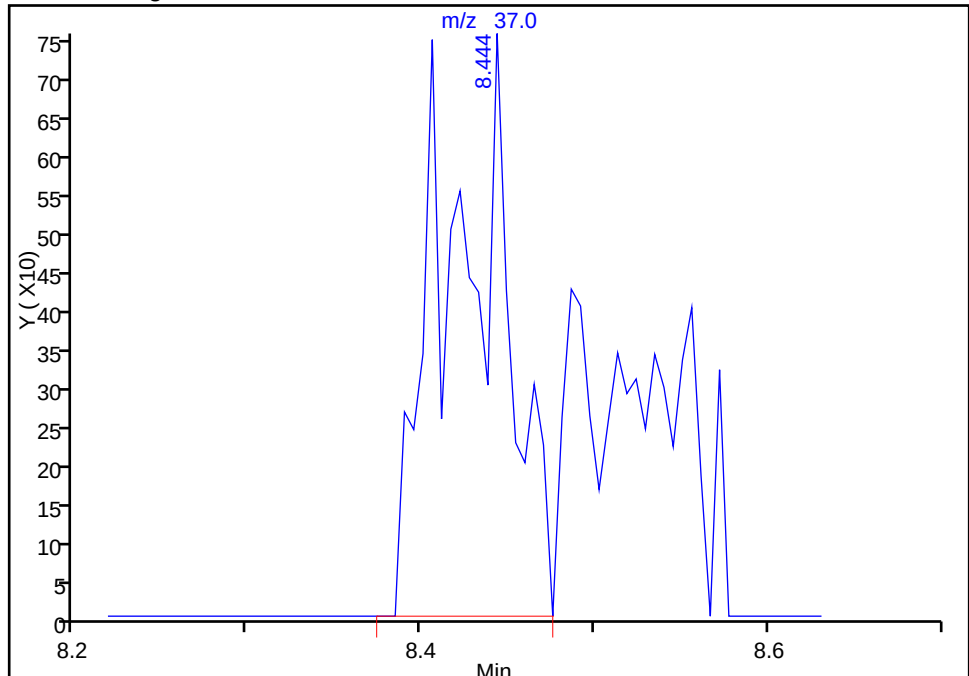
RT: 8.40  
Response: 597  
Amount: 0.272238

## Processing Integration Results



RT: 8.44  
Response: 1995  
Amount: 0.568096

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

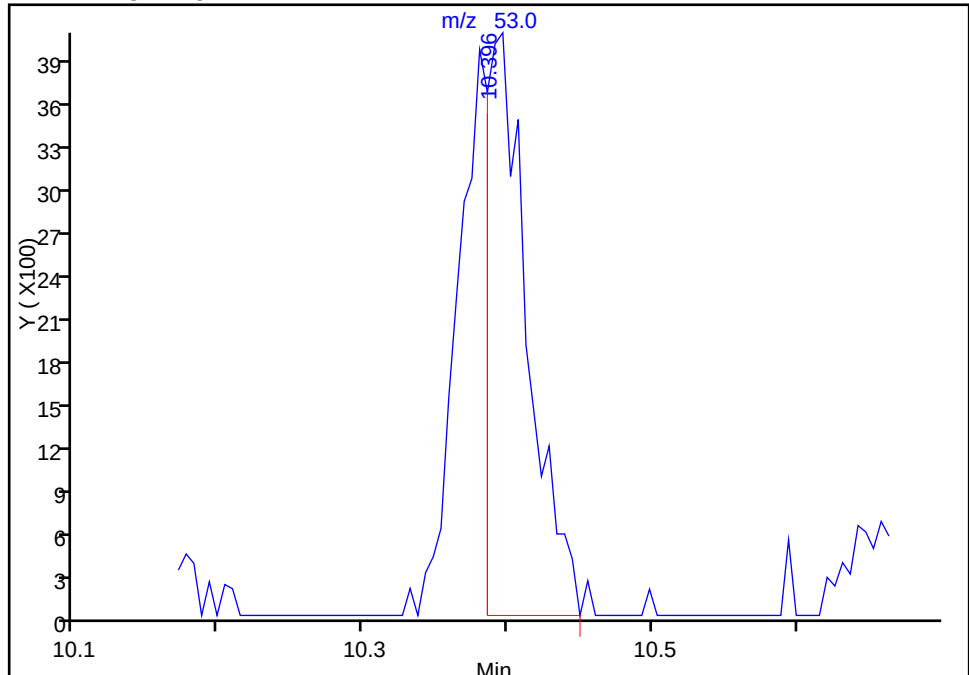
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3 Worklist Smp#: 6   |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |

## 35 Acrylonitrile, CAS: 107-13-1

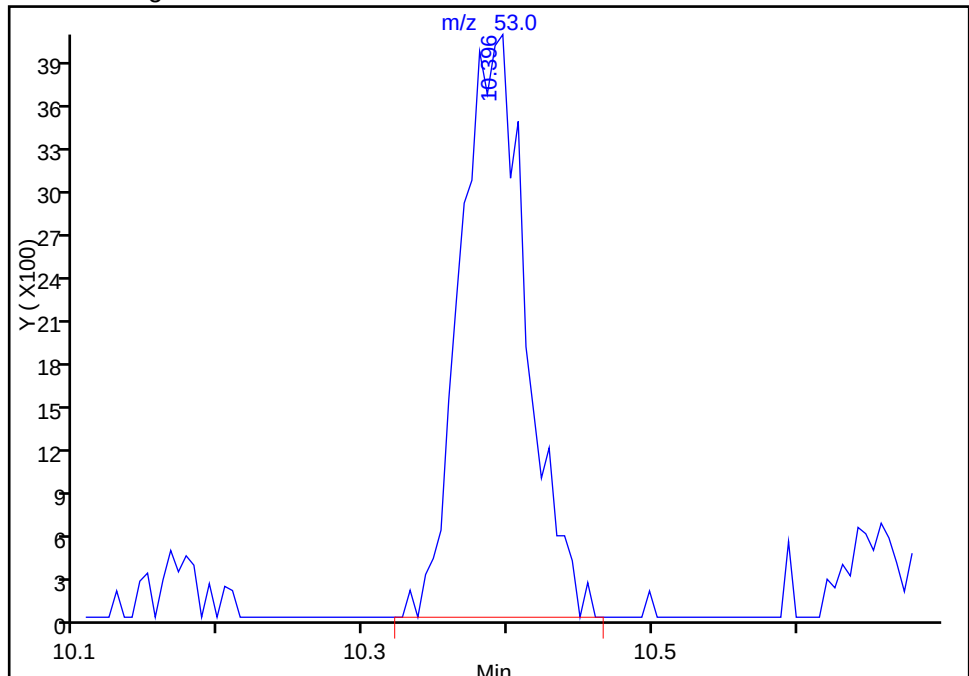
RT: 10.40  
Response: 8048  
Amount: 0.360017

## Processing Integration Results



RT: 10.40  
Response: 12951  
Amount: 0.457169

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



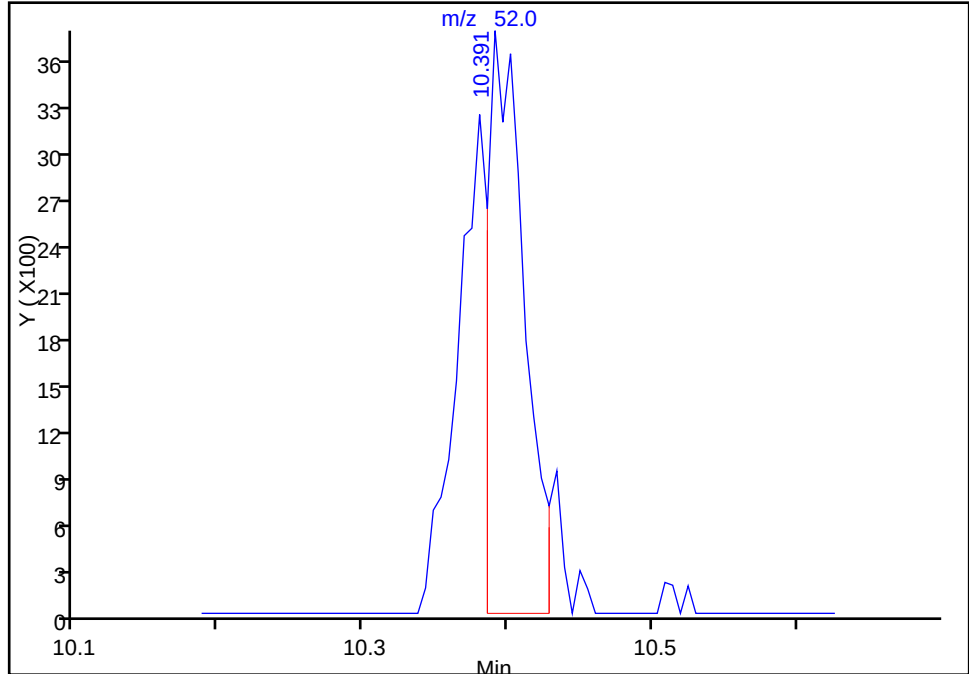
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3 Worklist Smp#: 6   |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 (0.32 mm)                                      | Detector:      | MS SCAN              |

## 35 Acrylonitrile, CAS: 107-13-1

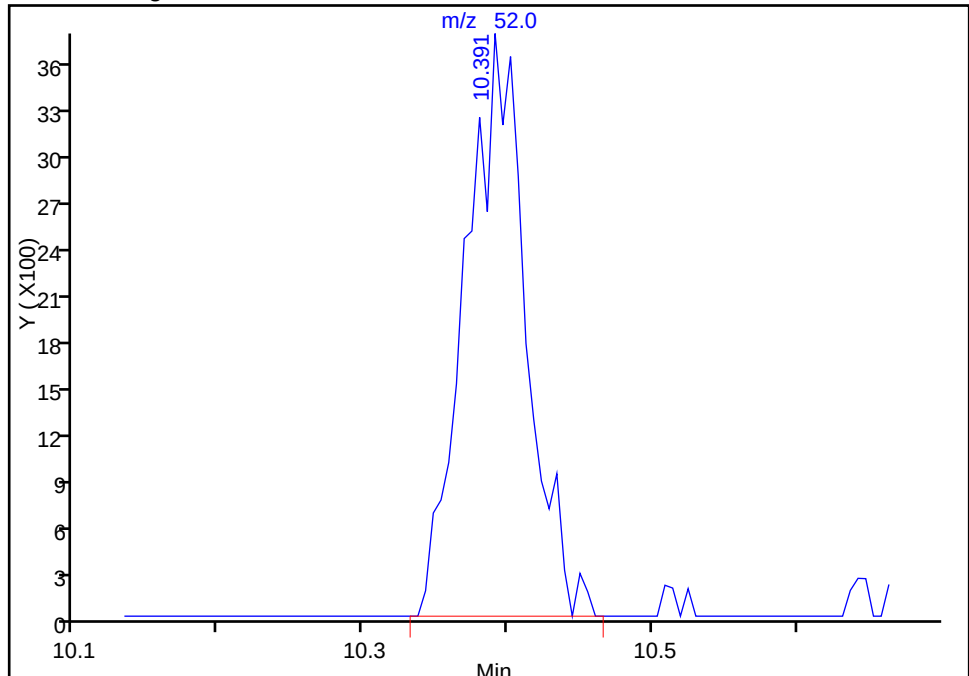
RT: 10.39  
Response: 6522  
Amount: 0.360017

## Processing Integration Results



RT: 10.39  
Response: 10912  
Amount: 0.457169

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35

Audit Action: Manually Integrated

Audit Reason: Baseline Event

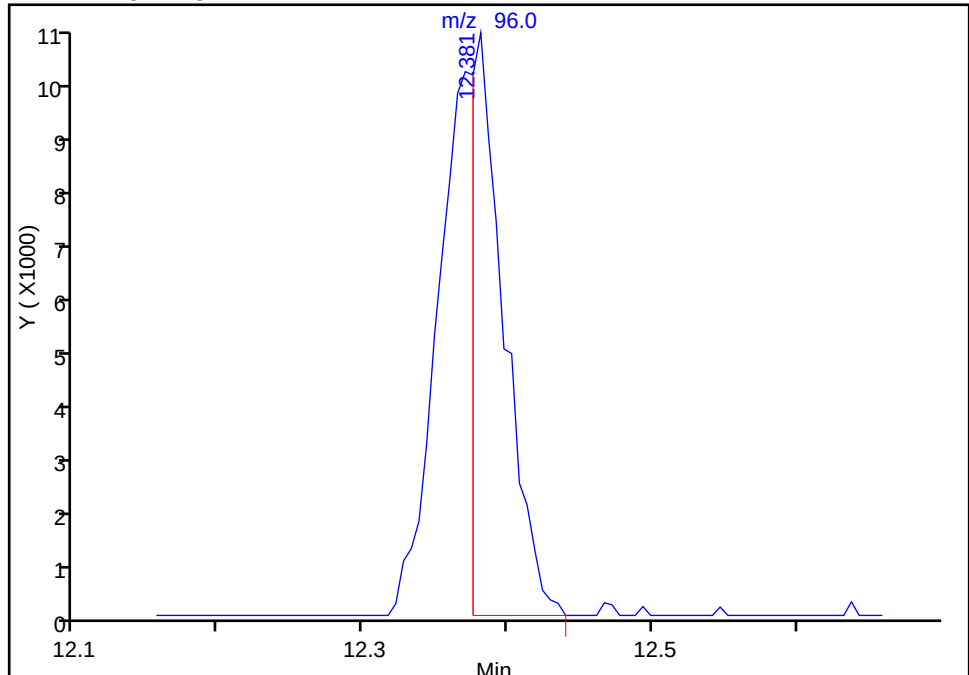
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3 Worklist Smp#: 6   |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

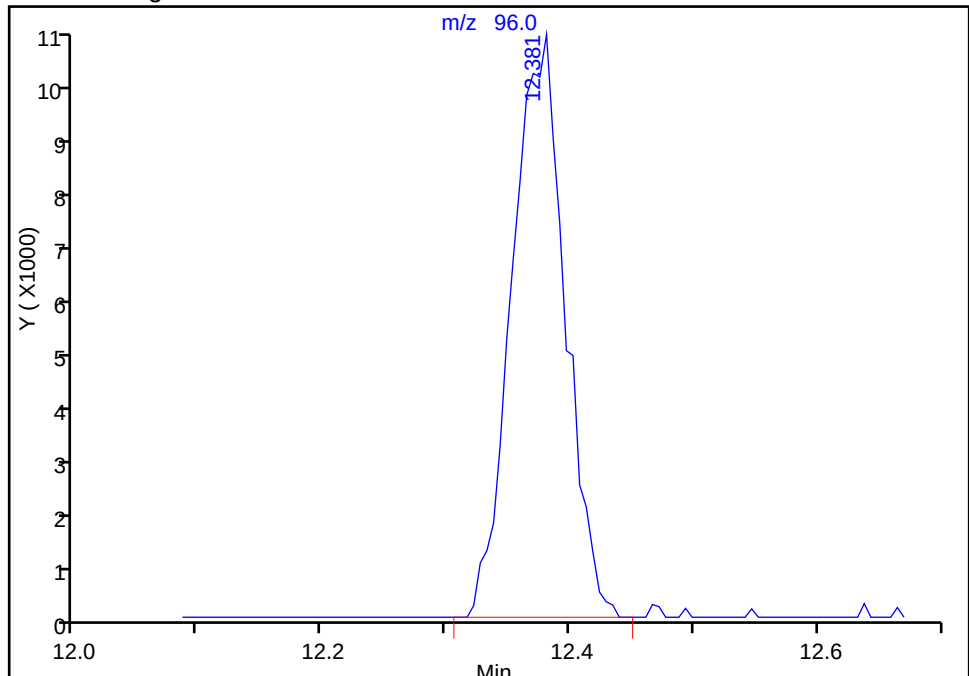
RT: 12.38  
Response: 17205  
Amount: 0.310272

## Processing Integration Results



RT: 12.38  
Response: 32364  
Amount: 0.485050

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

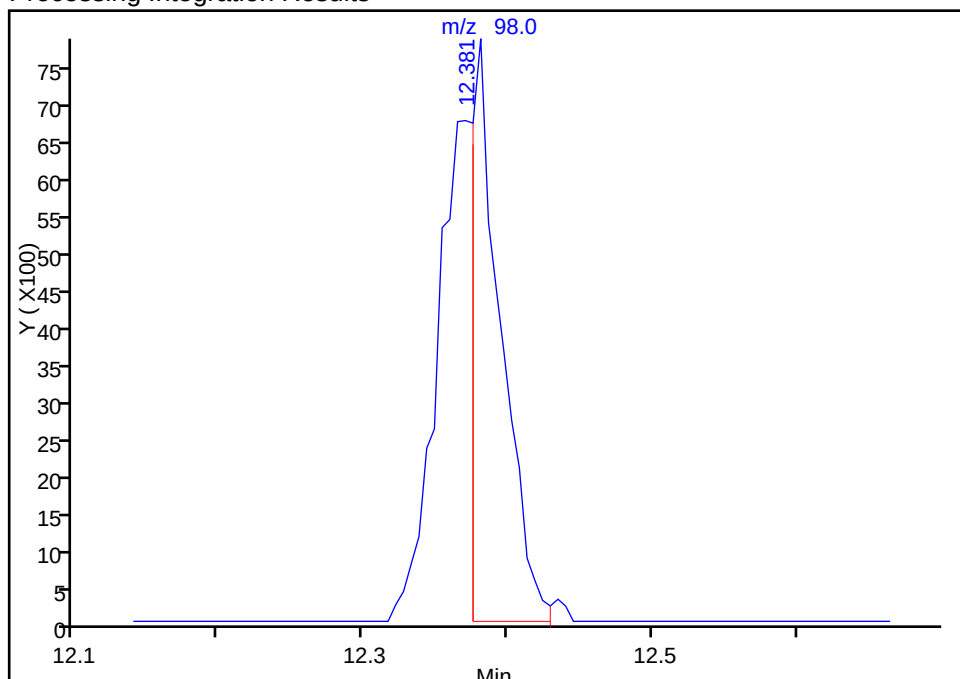
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_006.d  
Injection Date: 11-Feb-2014 20:50:30 Instrument ID: CHW.i  
Lims ID: IC Lab Sample ID: Client 200-66936/5-A  
Client ID:  
Operator ID: PAD ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 (0.32 mm) Detector MS SCAN

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

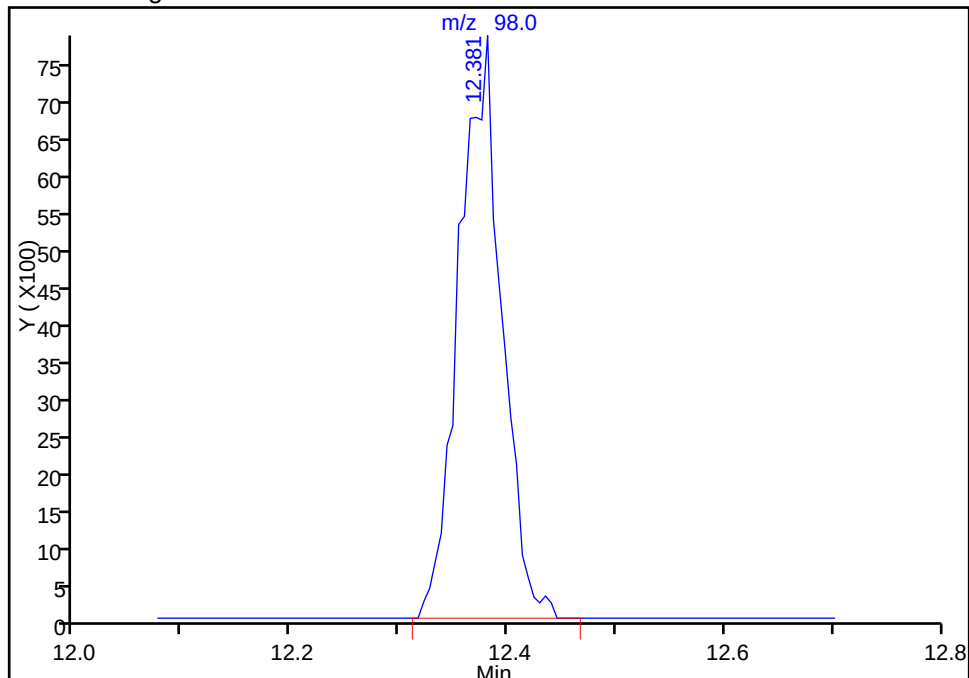
RT: 12.38  
Response: 11077  
Amount: 0.310272

## Processing Integration Results



RT: 12.38  
Response: 21340  
Amount: 0.485050

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35

Audit Action: Manually Integrated

Audit Reason: Baseline Event

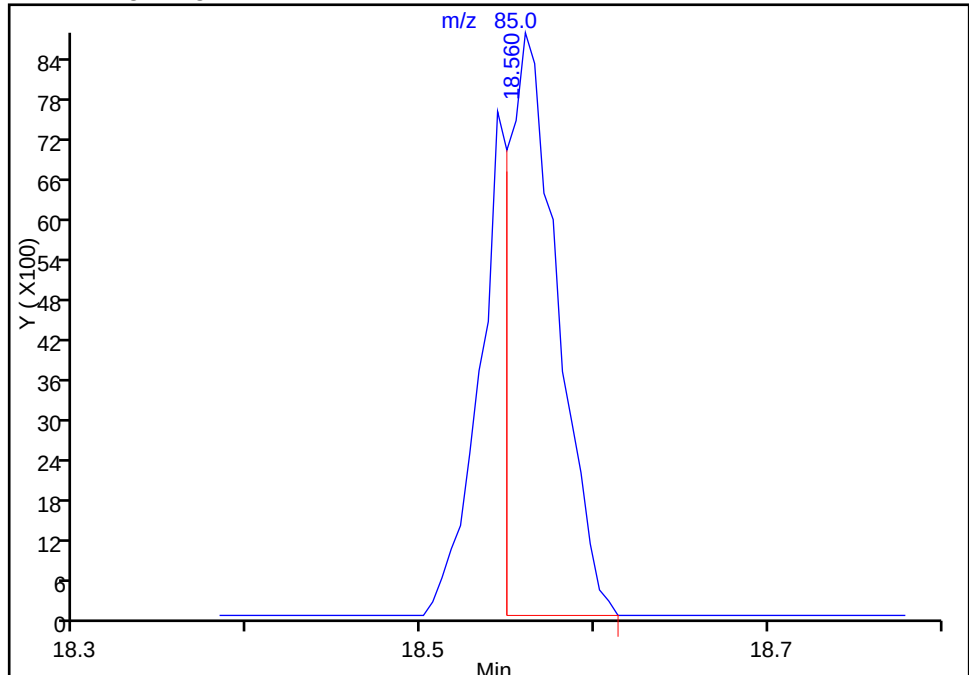
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3                    |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |
|                 |                                                        | Worklist Smp#: | 6                    |

## 71 1,1,2-Trichloroethane, CAS: 79-00-5

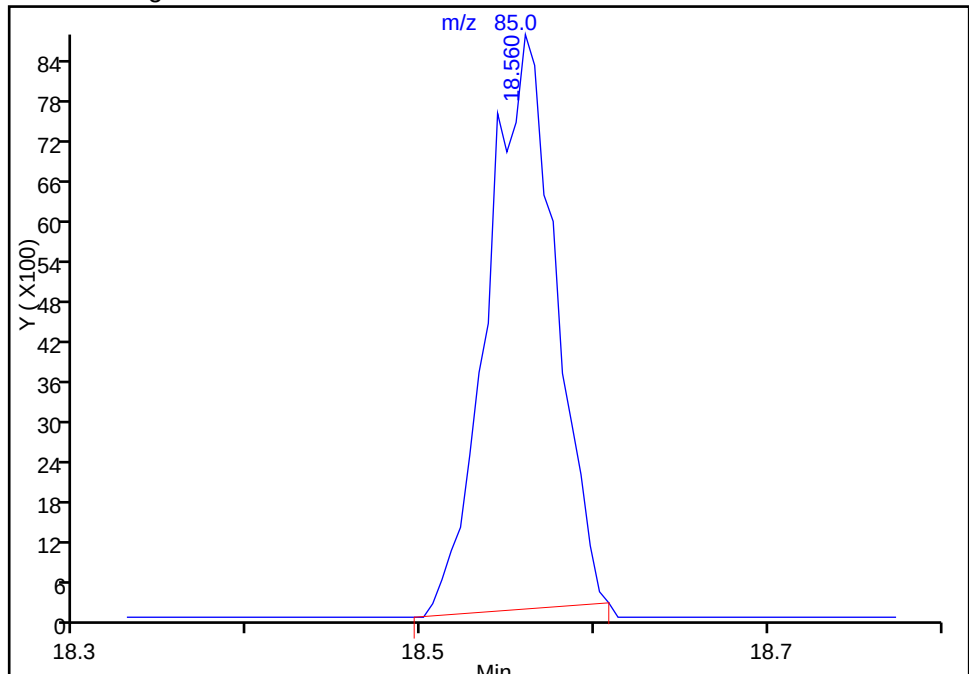
RT: 18.56  
Response: 17428  
Amount: 0.518244

## Processing Integration Results



RT: 18.56  
Response: 23492  
Amount: 0.518244

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3 Worklist Smp#: 6   |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LL NJ_TO3_W_(v1)                                  | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector       | MS SCAN              |

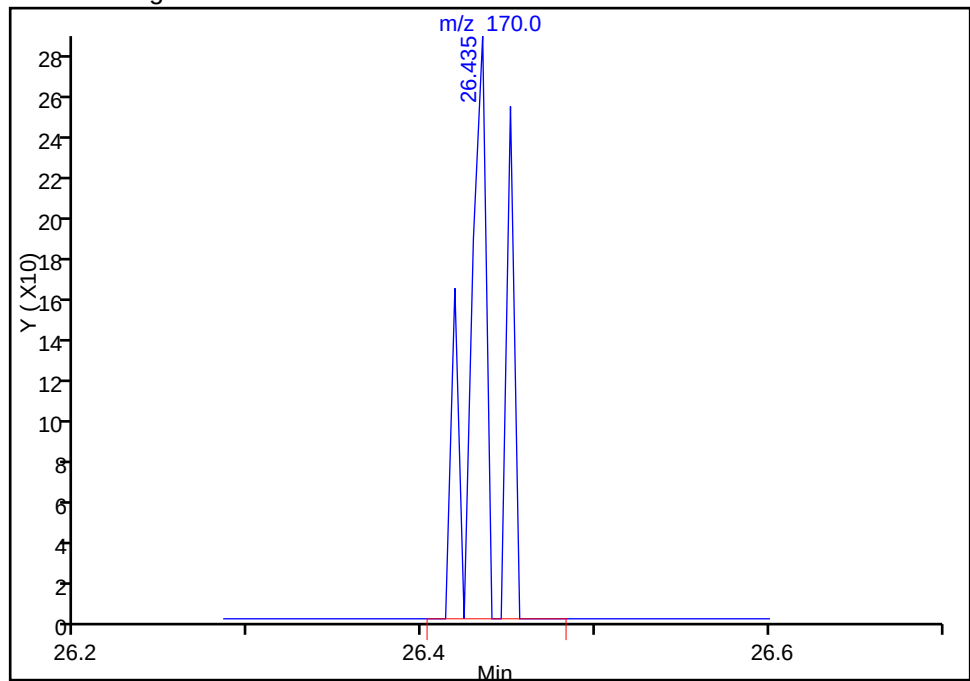
**106 Dodecane, CAS: 112-40-3**

## Processing Integration Results

RT: 26.43  
Response: 0  
Amount: 0.085352

RT: 26.43  
Response: 280  
Amount: 0.066066

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

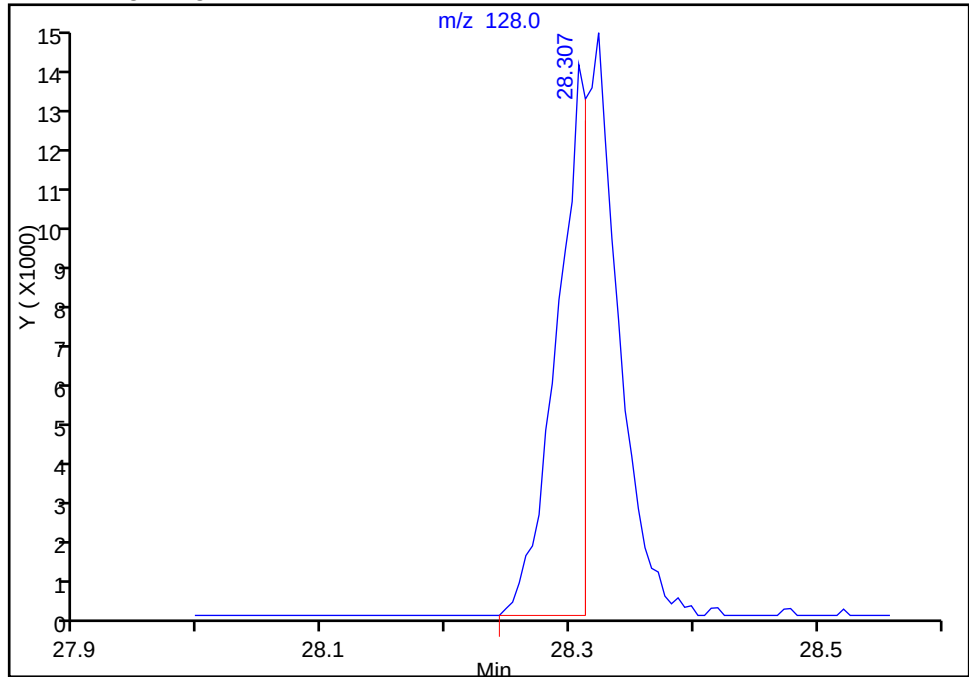
## TestAmerica Burlington

|                 |                                                        |                |                      |
|-----------------|--------------------------------------------------------|----------------|----------------------|
| Data File:      | \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101_006.d |                |                      |
| Injection Date: | 11-Feb-2014 20:50:30                                   | Instrument ID: | CHW.i                |
| Lims ID:        | IC                                                     | Lab Sample ID: | Client 200-66936/5-A |
| Client ID:      |                                                        |                |                      |
| Operator ID:    | PAD                                                    | ALS Bottle#:   | 3                    |
| Purge Vol:      | 200.000 mL                                             | Dil. Factor:   | 1.0000               |
| Method:         | TO15_LLNJ_TO3_W_(v1)                                   | Limit Group:   | AI_TO15_ICAL         |
| Column:         | RTX-624 ( 0.32 mm)                                     | Detector:      | MS SCAN              |
|                 |                                                        | Worklist Smp#: | 6                    |

## 109 Naphthalene, CAS: 91-20-3

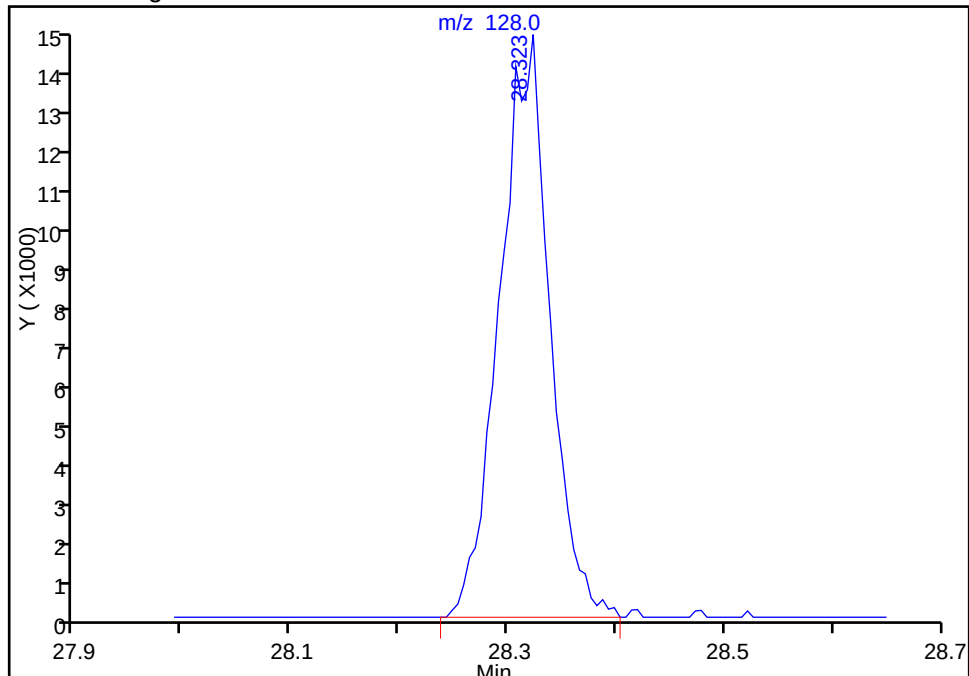
RT: 28.31  
Response: 23142  
Amount: 0.112900

## Processing Integration Results



RT: 28.32  
Response: 47038  
Amount: 0.176876

## Manual Integration Results



Reviewer: lyonsb, 12-Feb-2014 09:15:35  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_007.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 4  
 Inject. Date: 11-Feb-2014 21:39:30 ALS Bottle#: 4 Worklist Smp#: 7  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-007  
 Misc. Info.: IC 04  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:30 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:14:08

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|-----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.372  | 4.383     | -0.011    | 97  | 171162   | 5.33                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.463  | 4.479     | -0.016    | 99  | 1220565  | 5.48                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.533  | 4.544     | -0.011    | 74  | 450035   | 5.34                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.822  | 4.832     | -0.010    | 87  | 981010   | 5.17                  |       |
| 8 Chloromethane                    | 50  | 5.014  | 5.025     | -0.011    | 100 | 203833   | 5.32                  |       |
| 9 Butane                           | 43  | 5.276  | 5.287     | -0.011    | 95  | 318783   | 5.13                  |       |
| 10 Vinyl chloride                  | 62  | 5.335  | 5.346     | -0.011    | 97  | 269168   | 4.88                  |       |
| 11 Butadiene                       | 54  | 5.437  | 5.442     | -0.005    | 93  | 174832   | 5.15                  |       |
| 13 BFB                             |     |        |           |           |     |          |                       |       |
| 12 Bromomethane                    | 94  | 6.309  | 6.314     | -0.005    | 98  | 289016   | 5.07                  |       |
| 14 Chloroethane                    | 64  | 6.592  | 6.598     | -0.006    | 99  | 152598   | 5.20                  |       |
| 15 2-Methylbutane                  | 43  | 6.678  | 6.678     | 0.0       | 86  | 236416   | 4.99                  |       |
| 16 Vinyl bromide                   | 106 | 7.069  | 7.079     | -0.010    | 97  | 392846   | 5.17                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.186  | 7.192     | -0.006    | 98  | 1279646  | 5.13                  |       |
| 18 Pentane                         | 43  | 7.352  | 7.357     | -0.005    | 92  | 352418   | 5.31                  |       |
| 19 Ethanol                         | 45  | 7.807  | 7.796     | 0.011     | 99  | 131994   | 9.48                  |       |
| 21 Ethyl ether                     | 59  | 7.941  | 7.941     | 0.0       | 90  | 183849   | 5.29                  |       |
| 22 Acrolein                        | 56  | 8.411  | 8.406     | 0.005     | 97  | 76637    | 5.25                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.438  | 8.443     | -0.005    | 94  | 808116   | 5.17                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.513  | 8.518     | -0.005    | 95  | 354054   | 5.26                  |       |
| 25 Acetone                         | 43  | 8.748  | 8.748     | 0.0       | 87  | 391667   | 5.54                  |       |
| 26 Carbon disulfide                | 76  | 8.994  | 9.000     | -0.006    | 98  | 831075   | 5.36                  |       |
| 27 Isopropyl alcohol               | 45  | 9.032  | 9.032     | 0.0       | 96  | 316558   | 5.34                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.406  | 9.406     | 0.0       | 82  | 252541   | 5.28                  |       |
| 30 Acetonitrile                    | 41  | 9.535  | 9.535     | 0.0       | 98  | 142489   | 5.50                  |       |
| 31 Methylene Chloride              | 49  | 9.727  | 9.733     | -0.006    | 79  | 257469   | 5.23                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.909  | 9.904     | 0.005     | 99  | 535129   | 4.98                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.155 | 10.161    | -0.006    | 95  | 980616   | 5.51                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0   |          | 10.8                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.230 | 10.236    | -0.006    | 89  | 433458   | 5.34                  |       |

| Sig | RT<br>(min.)                   | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags     |         |      |
|-----|--------------------------------|------------------|------------------|--------|----------------|-----------------------|-----------|---------|------|
|     | 35 Acrylonitrile               |                  | 53               | 10.385 | 10.385         | 0.0                   | 92        | 159777  | 5.30 |
|     | 36 Hexane                      |                  | 57               | 10.642 | 10.653         | -0.011                | 89        | 385941  | 5.66 |
|     | 37 1,1-Dichloroethane          |                  | 63               | 11.204 | 11.199         | 0.005                 | 99        | 539837  | 4.95 |
|     | 38 Vinyl acetate               |                  | 43               | 11.236 | 11.236         | 0.0                   | 98        | 542530  | 5.35 |
|     | 39 cis-1,2-Dichloroethene      |                  | 96               | 12.370 | 12.375         | -0.005                | 96        | 386761  | 5.44 |
|     | 40 2-Butanone (MEK)            |                  | 72               | 12.392 | 12.392         | 0.0                   | 99        | 154286  | 5.15 |
|     | 42 Ethyl acetate               |                  | 88               | 12.408 | 12.413         | -0.005                | 98        | 30878   | 5.31 |
|     | 44 Tetrahydrofuran             |                  | 42               | 12.846 | 12.846         | 0.0                   | 69        | 222914  | 5.27 |
| *   | 43 Chlorobromomethane          |                  | 128              | 12.857 | 12.852         | 0.005                 | 69        | 486864  | 10.0 |
|     | 45 Chloroform                  |                  | 83               | 12.964 | 12.964         | 0.0                   | 99        | 839011  | 5.14 |
|     | 46 Cyclohexane                 |                  | 84               | 13.264 | 13.264         | 0.0                   | 82        | 469748  | 5.75 |
|     | 47 1,1,1-Trichloroethane       |                  | 97               | 13.280 | 13.280         | 0.0                   | 94        | 987246  | 5.29 |
|     | 48 Carbon tetrachloride        |                  | 117              | 13.531 | 13.531         | 0.0                   | 98        | 1073132 | 5.03 |
|     | 51 Isooctane                   |                  | 57               | 13.932 | 13.927         | 0.005                 | 97        | 1284681 | 5.91 |
|     | 50 Benzene                     |                  | 78               | 13.986 | 13.986         | 0.0                   | 93        | 1074151 | 5.51 |
|     | 52 1,2-Dichloroethane          |                  | 62               | 14.146 | 14.141         | 0.005                 | 99        | 515799  | 5.23 |
|     | 53 n-Heptane                   |                  | 43               | 14.280 | 14.275         | 0.005                 | 81        | 404843  | 5.96 |
| *   | 54 1,4-Difluorobenzene         |                  | 114              | 14.745 | 14.745         | 0.0                   | 92        | 2237364 | 10.0 |
| A   | 57 GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 148428451 | 0       |      |
|     | 55 n-Butanol                   |                  | 56               | 15.029 | 15.024         | 0.005                 | 86        | 109119  | 4.51 |
|     | 56 Trichloroethene             |                  | 95               | 15.211 | 15.211         | 0.0                   | 95        | 548439  | 5.46 |
|     | 58 1,2-Dichloropropane         |                  | 63               | 15.730 | 15.730         | 0.0                   | 84        | 315796  | 5.32 |
|     | 59 Methyl methacrylate         |                  | 69               | 15.815 | 15.815         | 0.0                   | 77        | 334014  | 5.43 |
|     | 60 1,4-Dioxane                 |                  | 88               | 15.901 | 15.901         | 0.0                   | 84        | 196887  | 5.77 |
|     | 61 Dibromomethane              |                  | 174              | 15.971 | 15.970         | 0.0                   | 88        | 673103  | 5.47 |
|     | 62 Dichlorobromomethane        |                  | 83               | 16.222 | 16.222         | 0.0                   | 98        | 924191  | 5.38 |
| A   | 63 TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 264356361 | 1629.3  |      |
|     | 64 cis-1,3-Dichloropropene     |                  | 75               | 17.089 | 17.083         | 0.006                 | 90        | 545437  | 5.61 |
|     | 65 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324         | 0.0                   | 91        | 535897  | 5.63 |
| A   | 68 C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 6299768   | NC      |      |
|     | 69 n-Octane                    |                  | 43               | 17.661 | 17.656         | 0.005                 | 72        | 579055  | 6.43 |
|     | 66 Toluene                     |                  | 92               | 17.661 | 17.661         | 0.0                   | 93        | 882590  | 5.92 |
| A   | 67 Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 6299768   | NC      |      |
|     | 70 trans-1,3-Dichloropropene   |                  | 75               | 18.191 | 18.191         | 0.0                   | 95        | 619426  | 5.55 |
|     | 71 1,1,2-Trichloroethane       |                  | 83               | 18.560 | 18.560         | 0.0                   | 92        | 399446  | 5.38 |
|     | 72 Tetrachloroethene           |                  | 166              | 18.699 | 18.699         | 0.0                   | 97        | 1020413 | 5.50 |
|     | 73 2-Hexanone                  |                  | 43               | 18.950 | 18.950         | 0.0                   | 91        | 443501  | 5.29 |
|     | 74 Chlorodibromomethane        |                  | 129              | 19.314 | 19.314         | 0.0                   | 97        | 1138452 | 5.52 |
|     | 75 Ethylene Dibromide          |                  | 107              | 19.598 | 19.603         | -0.005                | 98        | 829518  | 5.50 |
| S   | 82 Xylenes, Total              |                  | 106              |        |                | 0                     |           |         | 18.2 |
| *   | 76 Chlorobenzene-d5            |                  | 117              | 20.448 | 20.443         | 0.005                 | 82        | 2054549 | 10.0 |
|     | 77 Chlorobenzene               |                  | 112              | 20.502 | 20.502         | 0.0                   | 96        | 1330706 | 5.34 |
|     | 78 Ethylbenzene                |                  | 91               | 20.614 | 20.614         | 0.0                   | 95        | 2028333 | 5.83 |
|     | 79 n-Nonane                    |                  | 57               | 20.673 | 20.673         | 0.0                   | 78        | 696553  | 6.00 |
|     | 80 m-Xylene & p-Xylene         |                  | 106              | 20.833 | 20.833         | 0.0                   | 100       | 1675100 | 11.9 |
|     | 83 o-Xylene                    |                  | 106              | 21.545 | 21.545         | 0.0                   | 94        | 826439  | 6.24 |
|     | 84 Styrene                     |                  | 104              | 21.582 | 21.582         | 0.0                   | 96        | 1240344 | 6.31 |
|     | 85 Bromoform                   |                  | 173              | 21.962 | 21.962         | 0.0                   | 99        | 1186666 | 5.72 |
|     | 86 Isopropylbenzene            |                  | 105              | 22.107 | 22.112         | -0.005                | 95        | 2596374 | 6.37 |
| \$  | 87 4-Bromofluorobenzene        |                  | 95               | 22.444 | 22.444         | 0.0                   | 97        | 1475263 | NC   |
|     | 88 1,1,2,2-Tetrachloroethane   |                  | 83               | 22.668 | 22.668         | 0.0                   | 95        | 1112645 | 5.51 |
|     | 90 N-Propylbenzene             |                  | 91               | 22.743 | 22.743         | 0.0                   | 99        | 2968983 | 6.26 |



| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response | On-Col Amt<br>ppb v/v | Flags   |      |
|-----|------------------------|------------------|------------------|--------|----------|-----------------------|---------|------|
| 89  | 1,2,3-Trichloropropane | 75               | 22.770           | 22.770 | 0.0      | 86                    | 882232  | 5.68 |
| 93  | n-Decane               | 57               | 22.856           | 22.861 | -0.005   | 82                    | 992488  | 6.10 |
| 91  | 4-Ethyltoluene         | 105              | 22.909           | 22.909 | 0.0      | 96                    | 2744394 | 6.05 |
| 92  | 2-Chlorotoluene        | 91               | 22.941           | 22.946 | -0.005   | 93                    | 2311137 | 5.83 |
| 94  | 1,3,5-Trimethylbenzene | 105              | 23.000           | 23.005 | -0.005   | 92                    | 2501007 | 5.96 |
| 95  | Alpha Methyl Styrene   | 118              | 23.353           | 23.353 | 0.0      | 89                    | 1135811 | 6.49 |
| 96  | tert-Butylbenzene      | 119              | 23.476           | 23.481 | -0.005   | 93                    | 2538938 | 6.23 |
| 97  | 1,2,4-Trimethylbenzene | 105              | 23.572           | 23.572 | 0.0      | 96                    | 2503522 | 6.25 |
| 98  | sec-Butylbenzene       | 105              | 23.808           | 23.808 | 0.0      | 98                    | 3515887 | 6.37 |
| 99  | 4-Isopropyltoluene     | 119              | 24.011           | 24.011 | 0.0      | 95                    | 3130978 | 6.45 |
| 100 | 1,3-Dichlorobenzene    | 146              | 24.081           | 24.081 | 0.0      | 98                    | 1675063 | 5.74 |
| 101 | 1,4-Dichlorobenzene    | 146              | 24.225           | 24.225 | 0.0      | 96                    | 1579835 | 5.81 |
| 102 | Benzyl chloride        | 91               | 24.434           | 24.434 | 0.0      | 100                   | 1396458 | 5.72 |
| 104 | Undecane               | 57               | 24.632           | 24.626 | 0.006    | 88                    | 1039378 | 6.30 |
| 103 | n-Butylbenzene         | 91               | 24.648           | 24.653 | -0.005   | 97                    | 2306191 | 6.26 |
| 105 | 1,2-Dichlorobenzene    | 146              | 24.830           | 24.830 | 0.0      | 98                    | 1648253 | 5.80 |
| 106 | Dodecane               | 57               | 26.435           | 26.434 | 0.001    | 89                    | 643320  | 5.96 |
| 107 | 1,2,4-Trichlorobenzene | 180              | 27.724           | 27.724 | 0.0      | 93                    | 776311  | 5.32 |
| 108 | Hexachlorobutadiene    | 225              | 27.927           | 27.927 | 0.0      | 95                    | 1379928 | 5.98 |
| 109 | Naphthalene            | 128              | 28.312           | 28.312 | 0.0      | 99                    | 1507181 | 5.29 |
| 110 | 1,2,3-Trichlorobenzene | 180              | 28.879           | 28.879 | 0.0      | 96                    | 837537  | 6.16 |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_007.d

Injection Date: 11-Feb-2014 21:39:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 7

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

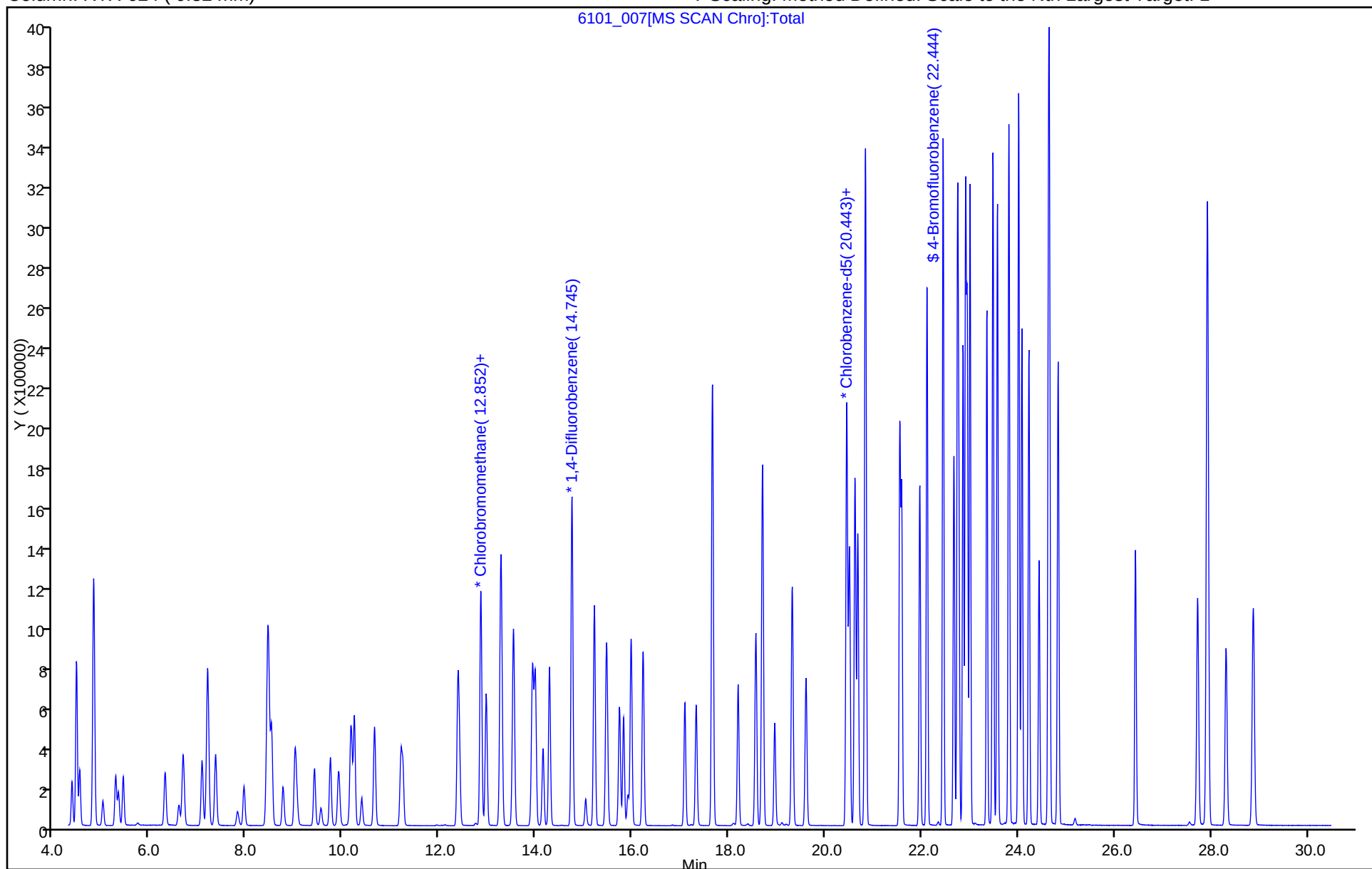
ALS Bottle#: 4

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_008.d  
 Lims ID: ICIS Lab Sample ID:  
 Client ID:  
 Sample Type: ICIS Calib Level: 5  
 Inject. Date: 11-Feb-2014 22:30:30 ALS Bottle#: 5 Worklist Smp#: 8  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-008  
 Misc. Info.: ICIS 05  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:32 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:11:19

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.383  | 4.383     | 0.0       | 97 | 343851   | 10.4                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.479  | 4.479     | 0.0       | 99 | 2378638  | 10.4                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.544  | 4.544     | 0.0       | 93 | 899214   | 10.3                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.832  | 4.832     | 0.0       | 86 | 1945417  | 9.95                  |       |
| 8 Chloromethane                    | 50  | 5.025  | 5.025     | 0.0       | 99 | 405869   | 10.3                  |       |
| 9 Butane                           | 43  | 5.287  | 5.287     | 0.0       | 96 | 669296   | 10.5                  |       |
| 10 Vinyl chloride                  | 62  | 5.346  | 5.346     | 0.0       | 97 | 540976   | 9.52                  |       |
| 11 Butadiene                       | 54  | 5.442  | 5.442     | 0.0       | 94 | 355554   | 10.2                  |       |
| 13 BFB                             |     |        |           |           |    |          |                       |       |
| 12 Bromomethane                    | 94  | 6.314  | 6.314     | 0.0       | 98 | 560804   | 9.55                  |       |
| 14 Chloroethane                    | 64  | 6.598  | 6.598     | 0.0       | 97 | 302251   | 10.0                  |       |
| 15 2-Methylbutane                  | 43  | 6.678  | 6.678     | 0.0       | 86 | 482131   | 9.88                  |       |
| 16 Vinyl bromide                   | 106 | 7.079  | 7.079     | 0.0       | 97 | 818236   | 10.5                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.192  | 7.192     | 0.0       | 98 | 2528605  | 9.84                  |       |
| 18 Pentane                         | 43  | 7.357  | 7.357     | 0.0       | 93 | 741782   | 10.8                  |       |
| 19 Ethanol                         | 45  | 7.796  | 7.796     | 0.0       | 99 | 226444   | 15.8                  |       |
| 21 Ethyl ether                     | 59  | 7.941  | 7.941     | 0.0       | 90 | 383629   | 10.7                  |       |
| 22 Acrolein                        | 56  | 8.406  | 8.406     | 0.0       | 97 | 155867   | 10.4                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.443  | 8.443     | 0.0       | 93 | 1592514  | 9.90                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.518  | 8.518     | 0.0       | 94 | 739217   | 10.7                  |       |
| 25 Acetone                         | 43  | 8.748  | 8.748     | 0.0       | 87 | 750249   | 10.3                  |       |
| 26 Carbon disulfide                | 76  | 9.000  | 9.000     | 0.0       | 99 | 1626028  | 10.2                  |       |
| 27 Isopropyl alcohol               | 45  | 9.032  | 9.032     | 0.0       | 96 | 638753   | 10.5                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.406  | 9.406     | 0.0       | 82 | 543129   | 11.0                  |       |
| 30 Acetonitrile                    | 41  | 9.535  | 9.535     | 0.0       | 99 | 277223   | 10.4                  |       |
| 31 Methylene Chloride              | 49  | 9.733  | 9.733     | 0.0       | 80 | 505909   | 9.98                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.904  | 9.904     | 0.0       | 99 | 1146724  | 10.4                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.161 | 10.161    | 0.0       | 94 | 2031361  | 11.1                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0  |          | 21.0                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.236 | 10.236    | 0.0       | 89 | 867076   | 10.4                  |       |

| Sig   | RT<br>(min.)                | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags            |
|-------|-----------------------------|------------------|------------------|--------|----------------|-----------------------|------------------|
| 35    | Acrylonitrile               |                  | 53               | 10.385 | 10.385 0.0     | 95                    | 326101 10.5      |
| 36    | Hexane                      |                  | 57               | 10.653 | 10.653 0.0     | 89                    | 788682 11.2      |
| 37    | 1,1-Dichloroethane          |                  | 63               | 11.199 | 11.199 0.0     | 99                    | 1069009 9.51     |
| 38    | Vinyl acetate               |                  | 43               | 11.236 | 11.236 0.0     | 99                    | 1146393 11.0     |
| 39    | cis-1,2-Dichloroethene      |                  | 96               | 12.375 | 12.375 0.0     | 96                    | 774715 10.6      |
| 40    | 2-Butanone (MEK)            |                  | 72               | 12.392 | 12.392 0.0     | 99                    | 313135 10.2      |
| 42    | Ethyl acetate               |                  | 88               | 12.413 | 12.413 0.0     | 99                    | 61836 10.3       |
| 44    | Tetrahydrofuran             |                  | 42               | 12.846 | 12.846 0.0     | 84                    | 457039 10.5      |
| * 43  | Chlorobromomethane          |                  | 128              | 12.852 | 12.852 0.0     | 69                    | 501508 10.0      |
| 45    | Chloroform                  |                  | 83               | 12.964 | 12.964 0.0     | 99                    | 1649325 9.81     |
| 46    | Cyclohexane                 |                  | 84               | 13.264 | 13.264 0.0     | 83                    | 957033 11.4      |
| 47    | 1,1,1-Trichloroethane       |                  | 97               | 13.280 | 13.280 0.0     | 95                    | 1968604 10.2     |
| 48    | Carbon tetrachloride        |                  | 117              | 13.531 | 13.531 0.0     | 98                    | 2161114 9.84     |
| 51    | Isooctane                   |                  | 57               | 13.927 | 13.927 0.0     | 97                    | 2610676 11.7     |
| 50    | Benzene                     |                  | 78               | 13.986 | 13.986 0.0     | 94                    | 2086670 10.4     |
| 52    | 1,2-Dichloroethane          |                  | 62               | 14.141 | 14.141 0.0     | 99                    | 1031280 10.1     |
| 53    | n-Heptane                   |                  | 43               | 14.275 | 14.275 0.0     | 82                    | 813077 11.6      |
| * 54  | 1,4-Difluorobenzene         |                  | 114              | 14.745 | 14.745 0.0     | 93                    | 2304289 10.0     |
| A 57  | GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 293432317 0      |
| 55    | n-Butanol                   |                  | 56               | 15.024 | 15.024 0.0     | 85                    | 273216 11.0      |
| 56    | Trichloroethene             |                  | 95               | 15.211 | 15.211 0.0     | 96                    | 1093818 10.6     |
| 58    | 1,2-Dichloropropane         |                  | 63               | 15.730 | 15.730 0.0     | 84                    | 633574 10.4      |
| 59    | Methyl methacrylate         |                  | 69               | 15.815 | 15.815 0.0     | 77                    | 689745 10.9      |
| 60    | 1,4-Dioxane                 |                  | 88               | 15.901 | 15.901 0.0     | 84                    | 391865 11.1      |
| 61    | Dibromomethane              |                  | 174              | 15.970 | 15.970 0.0     | 88                    | 1293999 10.2     |
| 62    | Dichlorobromomethane        |                  | 83               | 16.222 | 16.222 0.0     | 98                    | 1820765 10.3     |
| A 63  | TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 508101519 3040.6 |
| 64    | cis-1,3-Dichloropropene     |                  | 75               | 17.083 | 17.083 0.0     | 90                    | 1150881 11.5     |
| 65    | 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324 0.0     | 90                    | 1109388 11.3     |
| A 68  | C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 11725978 NC      |
| 69    | n-Octane                    |                  | 43               | 17.656 | 17.656 0.0     | 75                    | 1086165 11.7     |
| 66    | Toluene                     |                  | 92               | 17.661 | 17.661 0.0     | 93                    | 1640930 10.7     |
| A 67  | Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 11725978 NC      |
| 70    | trans-1,3-Dichloropropene   |                  | 75               | 18.191 | 18.191 0.0     | 95                    | 1285366 11.2     |
| 71    | 1,1,2-Trichloroethane       |                  | 83               | 18.560 | 18.560 0.0     | 92                    | 772501 10.1      |
| 72    | Tetrachloroethene           |                  | 166              | 18.699 | 18.699 0.0     | 98                    | 1955557 10.3     |
| 73    | 2-Hexanone                  |                  | 43               | 18.950 | 18.950 0.0     | 90                    | 999194 11.6      |
| 74    | Chlorodibromomethane        |                  | 129              | 19.314 | 19.314 0.0     | 97                    | 2243618 10.6     |
| 75    | Ethylene Dibromide          |                  | 107              | 19.603 | 19.603 0.0     | 99                    | 1647907 10.6     |
| S 82  | Xylenes, Total              |                  | 106              |        |                | 0                     | 32.8             |
| * 76  | Chlorobenzene-d5            |                  | 117              | 20.443 | 20.443 0.0     | 77                    | 2110792 10.0     |
| 77    | Chlorobenzene               |                  | 112              | 20.502 | 20.502 0.0     | 95                    | 2507389 9.79     |
| 78    | Ethylbenzene                |                  | 91               | 20.614 | 20.614 0.0     | 96                    | 3850088 10.8     |
| 79    | n-Nonane                    |                  | 57               | 20.673 | 20.673 0.0     | 78                    | 1317312 11.0     |
| 80    | m-Xylene & p-Xylene         |                  | 106              | 20.833 | 20.833 0.0     | 100                   | 3079468 21.3     |
| 83    | o-Xylene                    |                  | 106              | 21.545 | 21.545 0.0     | 94                    | 1565048 11.5     |
| 84    | Styrene                     |                  | 104              | 21.582 | 21.582 0.0     | 95                    | 2307779 11.4     |
| 85    | Bromoform                   |                  | 173              | 21.962 | 21.962 0.0     | 99                    | 2310981 10.8     |
| 86    | Isopropylbenzene            |                  | 105              | 22.112 | 22.112 0.0     | 95                    | 4904975 11.7     |
| \$ 87 | 4-Bromofluorobenzene        |                  | 95               | 22.444 | 22.444 0.0     | 97                    | 1509344 NC       |
| 88    | 1,1,2,2-Tetrachloroethane   |                  | 83               | 22.668 | 22.668 0.0     | 94                    | 2110021 10.2     |
| 90    | N-Propylbenzene             |                  | 91               | 22.743 | 22.743 0.0     | 99                    | 5484899 11.3     |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response   | On-Col Amt<br>ppb v/v | Flags   |      |
|-----|------------------------|------------------|------------------|--------|------------|-----------------------|---------|------|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.770 | 22.770 0.0 | 86                    | 1679144 | 10.5 |
| 93  | n-Decane               |                  | 57               | 22.861 | 22.861 0.0 | 82                    | 1831550 | 11.0 |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.909 | 22.909 0.0 | 85                    | 5051019 | 10.8 |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.946 | 22.946 0.0 | 90                    | 4210305 | 10.3 |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.005 | 23.005 0.0 | 92                    | 4581558 | 10.6 |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 | 23.353 0.0 | 89                    | 2172262 | 12.1 |
| 96  | tert-Butylbenzene      |                  | 119              | 23.481 | 23.481 0.0 | 90                    | 4623515 | 11.0 |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.572 | 23.572 0.0 | 97                    | 4494942 | 10.9 |
| 98  | sec-Butylbenzene       |                  | 105              | 23.808 | 23.808 0.0 | 98                    | 6292317 | 11.1 |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.011 | 24.011 0.0 | 82                    | 5659873 | 11.3 |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.081 | 24.081 0.0 | 97                    | 2996936 | 10.0 |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.225 | 24.225 0.0 | 96                    | 2911165 | 10.4 |
| 102 | Benzyl chloride        |                  | 91               | 24.434 | 24.434 0.0 | 100                   | 2879263 | 11.5 |
| 104 | Undecane               |                  | 57               | 24.626 | 24.626 0.0 | 88                    | 1771437 | 10.5 |
| 103 | n-Butylbenzene         |                  | 91               | 24.653 | 24.653 0.0 | 97                    | 4052857 | 10.7 |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.830 | 24.830 0.0 | 98                    | 2985364 | 10.2 |
| 106 | Dodecane               |                  | 57               | 26.434 | 26.434 0.0 | 90                    | 1198806 | 10.8 |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.724 | 27.724 0.0 | 92                    | 1455819 | 9.70 |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.927 | 27.927 0.0 | 95                    | 2517277 | 10.6 |
| 109 | Naphthalene            |                  | 128              | 28.312 | 28.312 0.0 | 99                    | 2874765 | 9.83 |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.879 | 28.879 0.0 | 96                    | 1579192 | 11.3 |

Report Date: 12-Feb-2014 09:35:33

Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_008.d

Injection Date: 11-Feb-2014 22:30:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: ICIS

Lab Sample ID:

Worklist Smp#: 8

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

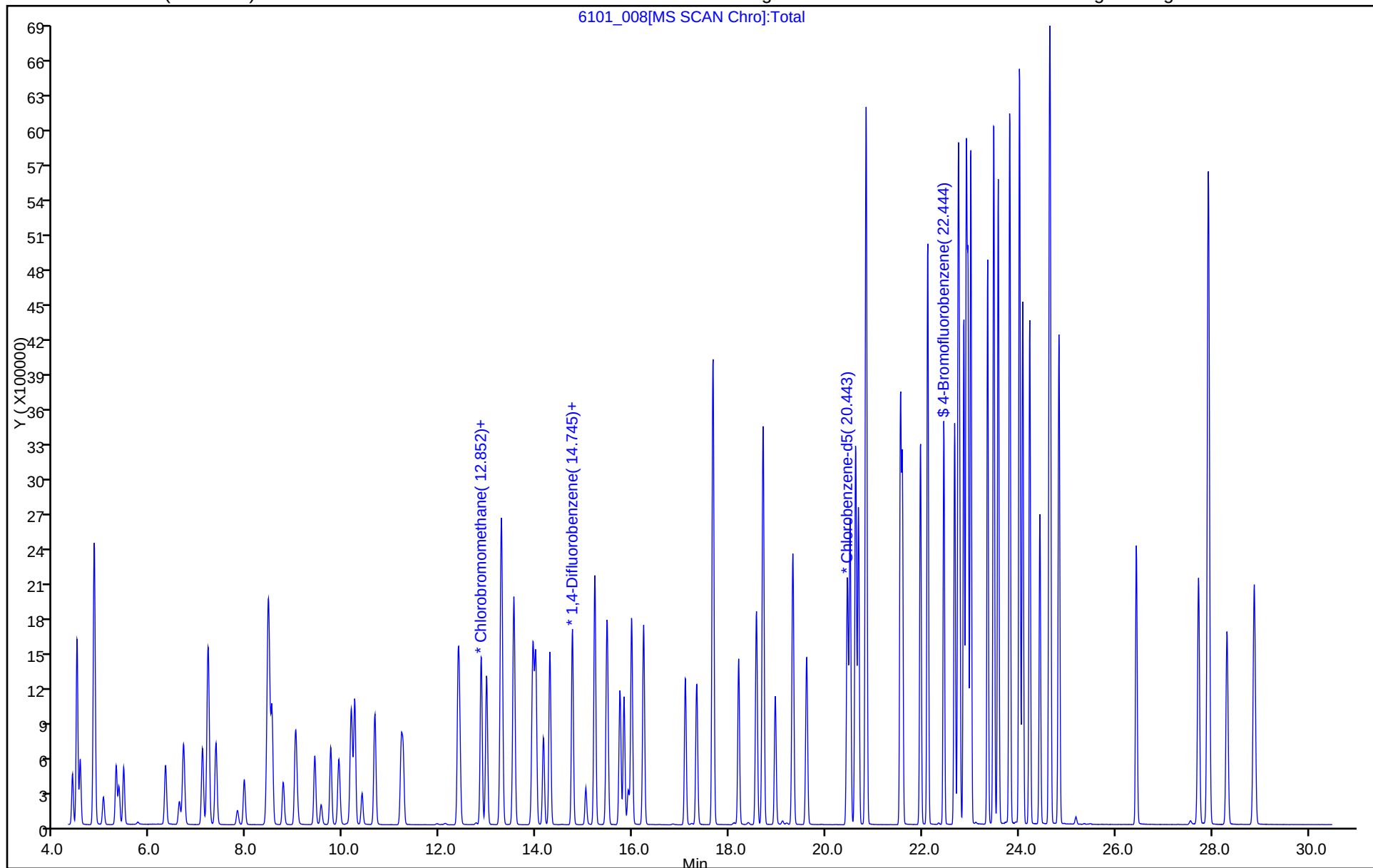
ALS Bottle#: 5

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_009.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 6  
 Inject. Date: 11-Feb-2014 23:18:30 ALS Bottle#: 6 Worklist Smp#: 9  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-009  
 Misc. Info.: IC 06  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:34 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:13:32

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|-----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.383  | 4.383     | 0.0       | 96  | 497717   | 14.3                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.474  | 4.479     | -0.005    | 99  | 3454862  | 14.3                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.543  | 4.544     | -0.001    | 93  | 1313467  | 14.4                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.832  | 4.832     | 0.0       | 87  | 2820237  | 13.7                  |       |
| 8 Chloromethane                    | 50  | 5.025  | 5.025     | 0.0       | 99  | 588133   | 14.2                  |       |
| 9 Butane                           | 43  | 5.292  | 5.287     | 0.005     | 95  | 1011815  | 15.0                  |       |
| 10 Vinyl chloride                  | 62  | 5.346  | 5.346     | 0.0       | 97  | 835769   | 14.0                  |       |
| 11 Butadiene                       | 54  | 5.448  | 5.442     | 0.006     | 94  | 560716   | 15.3                  |       |
| 13 BFB                             |     |        |           |           |     |          |                       |       |
| 12 Bromomethane                    | 94  | 6.314  | 6.314     | 0.0       | 98  | 828778   | 13.4                  |       |
| 14 Chloroethane                    | 64  | 6.598  | 6.598     | 0.0       | 99  | 457236   | 14.4                  |       |
| 15 2-Methylbutane                  | 43  | 6.689  | 6.678     | 0.011     | 86  | 738402   | 14.4                  |       |
| 16 Vinyl bromide                   | 106 | 7.079  | 7.079     | 0.0       | 96  | 1217044  | 14.8                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.192  | 7.192     | 0.0       | 98  | 3703863  | 13.7                  |       |
| 18 Pentane                         | 43  | 7.357  | 7.357     | 0.0       | 94  | 1108891  | 15.4                  |       |
| 19 Ethanol                         | 45  | 7.812  | 7.796     | 0.016     | 100 | 308515   | 20.5                  |       |
| 21 Ethyl ether                     | 59  | 7.946  | 7.941     | 0.005     | 90  | 581305   | 15.5                  |       |
| 22 Acrolein                        | 56  | 8.411  | 8.406     | 0.005     | 96  | 237523   | 15.0                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.443  | 8.443     | 0.0       | 94  | 2306374  | 13.6                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.518  | 8.518     | 0.0       | 95  | 1078004  | 14.8                  |       |
| 25 Acetone                         | 43  | 8.754  | 8.748     | 0.006     | 87  | 1125892  | 14.7                  |       |
| 26 Carbon disulfide                | 76  | 9.005  | 9.000     | 0.005     | 99  | 2596279  | 15.5                  |       |
| 27 Isopropyl alcohol               | 45  | 9.043  | 9.032     | 0.011     | 97  | 961747   | 15.0                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.406  | 9.406     | 0.0       | 81  | 829304   | 16.0                  |       |
| 30 Acetonitrile                    | 41  | 9.545  | 9.535     | 0.010     | 98  | 411094   | 14.7                  |       |
| 31 Methylene Chloride              | 49  | 9.738  | 9.733     | 0.005     | 79  | 744018   | 14.0                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.915  | 9.904     | 0.011     | 98  | 1783773  | 15.3                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.166 | 10.161    | 0.005     | 94  | 3170295  | 16.4                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0   |          | 29.6                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.236 | 10.236    | 0.0       | 88  | 1292403  | 14.7                  |       |



| Sig   | RT<br>(min.)                | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags     |         |      |
|-------|-----------------------------|------------------|------------------|--------|----------------|-----------------------|-----------|---------|------|
| 35    | Acrylonitrile               |                  | 53               | 10.391 | 10.385         | 0.006                 | 94        | 496804  | 15.2 |
| 36    | Hexane                      |                  | 57               | 10.653 | 10.653         | 0.0                   | 89        | 1189586 | 16.1 |
| 37    | 1,1-Dichloroethane          |                  | 63               | 11.204 | 11.199         | 0.005                 | 99        | 1595192 | 13.5 |
| 38    | Vinyl acetate               |                  | 43               | 11.241 | 11.236         | 0.005                 | 98        | 1751501 | 16.0 |
| 39    | cis-1,2-Dichloroethene      |                  | 96               | 12.375 | 12.375         | 0.0                   | 96        | 1141574 | 14.8 |
| 40    | 2-Butanone (MEK)            |                  | 72               | 12.392 | 12.392         | 0.0                   | 100       | 466744  | 14.4 |
| 42    | Ethyl acetate               |                  | 88               | 12.418 | 12.413         | 0.005                 | 96        | 94117   | 14.9 |
| 44    | Tetrahydrofuran             |                  | 42               | 12.852 | 12.846         | 0.006                 | 86        | 690927  | 14.7 |
| * 43  | Chlorobromomethane          |                  | 128              | 12.857 | 12.852         | 0.005                 | 69        | 527057  | 10.0 |
| 45    | Chloroform                  |                  | 83               | 12.969 | 12.964         | 0.005                 | 99        | 2430240 | 13.8 |
| 46    | Cyclohexane                 |                  | 84               | 13.269 | 13.264         | 0.005                 | 83        | 1414803 | 15.7 |
| 47    | 1,1,1-Trichloroethane       |                  | 97               | 13.280 | 13.280         | 0.0                   | 95        | 2917040 | 14.1 |
| 48    | Carbon tetrachloride        |                  | 117              | 13.536 | 13.531         | 0.005                 | 98        | 3218312 | 13.6 |
| 51    | Isooctane                   |                  | 57               | 13.932 | 13.927         | 0.005                 | 97        | 3911322 | 16.2 |
| 50    | Benzene                     |                  | 78               | 13.986 | 13.986         | 0.0                   | 95        | 3027632 | 14.0 |
| 52    | 1,2-Dichloroethane          |                  | 62               | 14.146 | 14.141         | 0.005                 | 99        | 1547719 | 14.2 |
| 53    | n-Heptane                   |                  | 43               | 14.280 | 14.275         | 0.005                 | 80        | 1220006 | 16.2 |
| * 54  | 1,4-Difluorobenzene         |                  | 114              | 14.751 | 14.745         | 0.006                 | 92        | 2475982 | 10.0 |
| A 57  | GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 431599981 | 0       |      |
| 55    | n-Butanol                   |                  | 56               | 15.029 | 15.024         | 0.005                 | 83        | 393100  | 14.7 |
| 56    | Trichloroethene             |                  | 95               | 15.211 | 15.211         | 0.0                   | 95        | 1614737 | 14.5 |
| 58    | 1,2-Dichloropropane         |                  | 63               | 15.735 | 15.730         | 0.005                 | 87        | 947244  | 14.4 |
| 59    | Methyl methacrylate         |                  | 69               | 15.815 | 15.815         | 0.0                   | 76        | 1068481 | 15.7 |
| 60    | 1,4-Dioxane                 |                  | 88               | 15.906 | 15.901         | 0.005                 | 84        | 550207  | 14.6 |
| 61    | Dibromomethane              |                  | 174              | 15.976 | 15.970         | 0.006                 | 88        | 1894498 | 13.9 |
| 62    | Dichlorobromomethane        |                  | 83               | 16.222 | 16.222         | 0.0                   | 98        | 2748878 | 14.5 |
| A 63  | TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 772495141 | 4302.3  |      |
| 64    | cis-1,3-Dichloropropene     |                  | 75               | 17.089 | 17.083         | 0.006                 | 90        | 1750127 | 16.3 |
| 65    | 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324         | 0.0                   | 90        | 1678347 | 15.9 |
| A 68  | C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 17158560  | NC      |      |
| 69    | n-Octane                    |                  | 43               | 17.656 | 17.656         | 0.0                   | 83        | 1590149 | 16.0 |
| 66    | Toluene                     |                  | 92               | 17.666 | 17.661         | 0.005                 | 93        | 2371159 | 14.5 |
| A 67  | Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 17158560  | NC      |      |
| 70    | trans-1,3-Dichloropropene   |                  | 75               | 18.191 | 18.191         | 0.0                   | 95        | 1979602 | 16.0 |
| 71    | 1,1,2-Trichloroethane       |                  | 83               | 18.560 | 18.560         | 0.0                   | 92        | 1153540 | 14.2 |
| 72    | Tetrachloroethene           |                  | 166              | 18.699 | 18.699         | 0.0                   | 98        | 2885651 | 14.2 |
| 73    | 2-Hexanone                  |                  | 43               | 18.950 | 18.950         | 0.0                   | 91        | 1521211 | 16.5 |
| 74    | Chlorodibromomethane        |                  | 129              | 19.314 | 19.314         | 0.0                   | 97        | 3381129 | 14.9 |
| 75    | Ethylene Dibromide          |                  | 107              | 19.603 | 19.603         | 0.0                   | 99        | 2498481 | 15.1 |
| S 82  | Xylenes, Total              |                  | 106              |        |                | 0                     |           | 45.4    |      |
| * 76  | Chlorobenzene-d5            |                  | 117              | 20.448 | 20.443         | 0.005                 | 70        | 2252830 | 10.0 |
| 77    | Chlorobenzene               |                  | 112              | 20.502 | 20.502         | 0.0                   | 95        | 3746501 | 13.7 |
| 78    | Ethylbenzene                |                  | 91               | 20.619 | 20.614         | 0.005                 | 97        | 5769956 | 15.1 |
| 79    | n-Nonane                    |                  | 57               | 20.678 | 20.673         | 0.005                 | 78        | 1956375 | 15.4 |
| 80    | m-Xylene & p-Xylene         |                  | 106              | 20.833 | 20.833         | 0.0                   | 99        | 4513409 | 29.3 |
| 83    | o-Xylene                    |                  | 106              | 21.545 | 21.545         | 0.0                   | 94        | 2337173 | 16.1 |
| 84    | Styrene                     |                  | 104              | 21.588 | 21.582         | 0.006                 | 95        | 3533241 | 16.4 |
| 85    | Bromoform                   |                  | 173              | 21.962 | 21.962         | 0.0                   | 99        | 3495836 | 15.4 |
| 86    | Isopropylbenzene            |                  | 105              | 22.112 | 22.112         | 0.0                   | 96        | 7235379 | 16.2 |
| \$ 87 | 4-Bromofluorobenzene        |                  | 95               | 22.444 | 22.444         | 0.0                   | 97        | 1659952 | NC   |
| 88    | 1,1,2,2-Tetrachloroethane   |                  | 83               | 22.668 | 22.668         | 0.0                   | 93        | 3081214 | 13.9 |
| 90    | N-Propylbenzene             |                  | 91               | 22.743 | 22.743         | 0.0                   | 98        | 8010892 | 15.4 |



| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response      | On-Col Amt<br>ppb v/v | Flags   |      |
|-----|------------------------|------------------|------------------|--------|---------------|-----------------------|---------|------|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.770 | 22.770 0.0    | 88                    | 2458252 | 14.4 |
| 93  | n-Decane               |                  | 57               | 22.856 | 22.861 -0.005 | 81                    | 2713052 | 15.2 |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.909 | 22.909 0.0    | 91                    | 7409410 | 14.9 |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.946 | 22.946 0.0    | 91                    | 6297673 | 14.5 |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.005 | 23.005 0.0    | 92                    | 6799820 | 14.8 |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 | 23.353 0.0    | 88                    | 3365446 | 17.5 |
| 96  | tert-Butylbenzene      |                  | 119              | 23.481 | 23.481 0.0    | 90                    | 6641827 | 14.9 |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.572 | 23.572 0.0    | 97                    | 6788417 | 15.5 |
| 98  | sec-Butylbenzene       |                  | 105              | 23.808 | 23.808 0.0    | 97                    | 9059791 | 15.0 |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.011 | 24.011 0.0    | 91                    | 8287851 | 15.6 |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.081 | 24.081 0.0    | 96                    | 4808668 | 15.0 |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.225 | 24.225 0.0    | 96                    | 4756349 | 16.0 |
| 102 | Benzyl chloride        |                  | 91               | 24.434 | 24.434 0.0    | 100                   | 4855035 | 18.1 |
| 104 | Undecane               |                  | 57               | 24.626 | 24.626 0.0    | 88                    | 2770918 | 15.3 |
| 103 | n-Butylbenzene         |                  | 91               | 24.653 | 24.653 0.0    | 97                    | 6158663 | 15.3 |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.830 | 24.830 0.0    | 97                    | 4708714 | 15.1 |
| 106 | Dodecane               |                  | 57               | 26.434 | 26.434 0.0    | 89                    | 2361611 | 20.0 |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.724 | 27.724 0.0    | 94                    | 2957719 | 18.5 |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.927 | 27.927 0.0    | 94                    | 3811308 | 15.1 |
| 109 | Naphthalene            |                  | 128              | 28.312 | 28.312 0.0    | 99                    | 6251138 | 20.0 |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.879 | 28.879 0.0    | 96                    | 2955162 | 19.8 |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_009.d

Injection Date: 11-Feb-2014 23:18:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 9

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

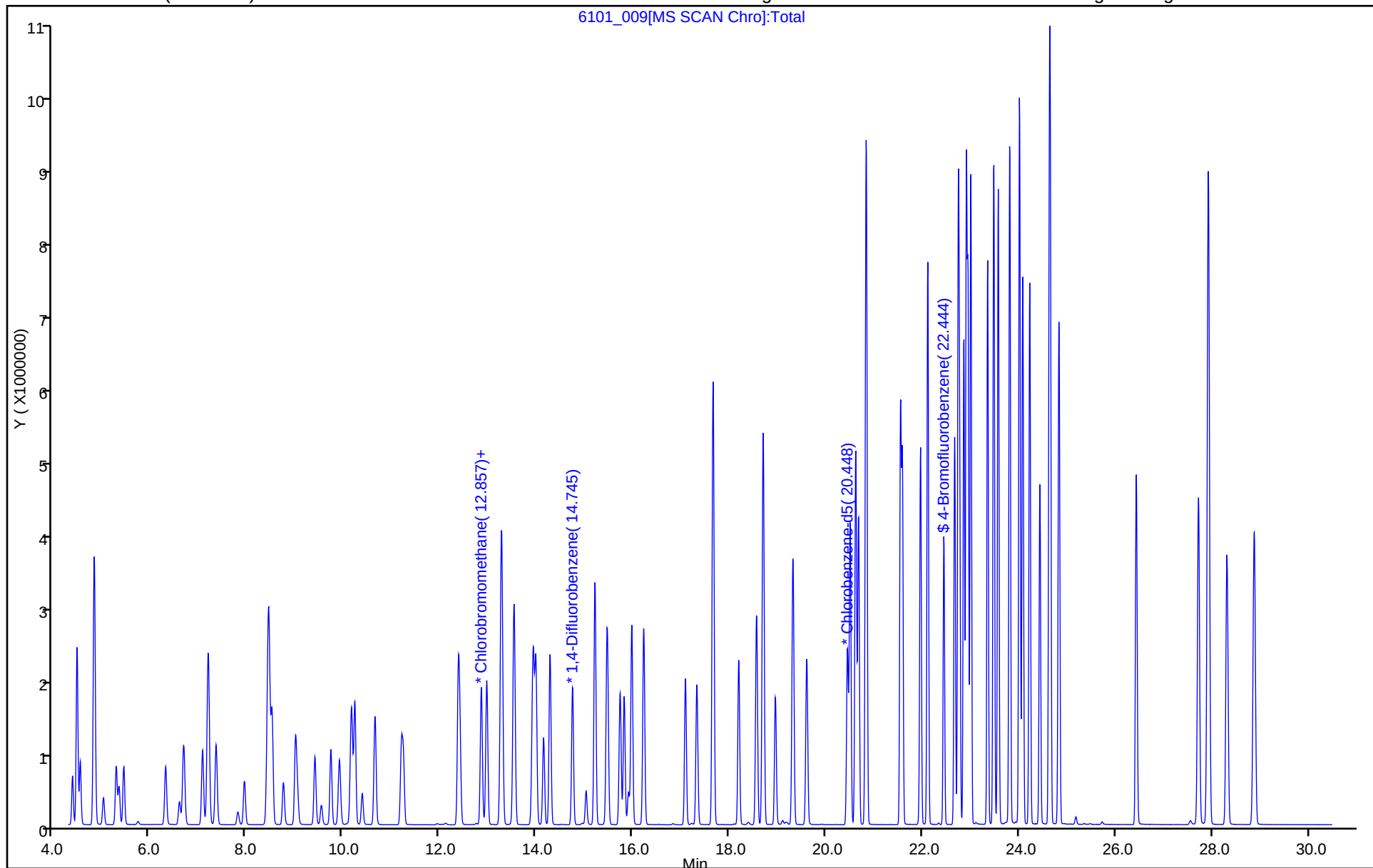
ALS Bottle#: 6

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_010.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 7  
 Inject. Date: 12-Feb-2014 00:07:30 ALS Bottle#: 7 Worklist Smp#: 10  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-010  
 Misc. Info.: IC 07  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:36 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:13:08

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.399  | 4.383     | 0.016     | 96 | 661767   | 18.2                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.490  | 4.479     | 0.011     | 99 | 4516674  | 17.9                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.554  | 4.544     | 0.010     | 96 | 1744155  | 18.3                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.843  | 4.832     | 0.011     | 94 | 3682503  | 17.1                  |       |
| 8 Chloromethane                    | 50  | 5.036  | 5.025     | 0.011     | 99 | 791790   | 18.2                  |       |
| 9 Butane                           | 43  | 5.303  | 5.287     | 0.016     | 95 | 1348334  | 19.2                  |       |
| 10 Vinyl chloride                  | 62  | 5.357  | 5.346     | 0.011     | 97 | 1129770  | 18.1                  |       |
| 11 Butadiene                       | 54  | 5.458  | 5.442     | 0.016     | 93 | 760983   | 19.8                  |       |
| 13 BFB                             |     |        |           |           |    |          |                       |       |
| 12 Bromomethane                    | 94  | 6.325  | 6.314     | 0.011     | 99 | 1190336  | 18.4                  |       |
| 14 Chloroethane                    | 64  | 6.614  | 6.598     | 0.016     | 99 | 631582   | 19.0                  |       |
| 15 2-Methylbutane                  | 43  | 6.705  | 6.678     | 0.027     | 87 | 1009878  | 18.8                  |       |
| 16 Vinyl bromide                   | 106 | 7.090  | 7.079     | 0.011     | 98 | 1633426  | 19.0                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.208  | 7.192     | 0.016     | 99 | 4925201  | 17.4                  |       |
| 18 Pentane                         | 43  | 7.379  | 7.357     | 0.022     | 93 | 1471017  | 19.6                  |       |
| 19 Ethanol                         | 45  | 7.855  | 7.796     | 0.059     | 99 | 626323   | 39.7                  |       |
| 21 Ethyl ether                     | 59  | 7.967  | 7.941     | 0.026     | 90 | 786498   | 20.0                  |       |
| 22 Acrolein                        | 56  | 8.433  | 8.406     | 0.027     | 97 | 324034   | 19.6                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.460  | 8.443     | 0.017     | 94 | 3038104  | 17.2                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.535  | 8.518     | 0.017     | 96 | 1440385  | 18.9                  |       |
| 25 Acetone                         | 43  | 8.781  | 8.748     | 0.033     | 87 | 1591853  | 19.9                  |       |
| 26 Carbon disulfide                | 76  | 9.021  | 9.000     | 0.021     | 98 | 3234115  | 18.4                  |       |
| 27 Isopropyl alcohol               | 45  | 9.086  | 9.032     | 0.054     | 97 | 1302161  | 19.4                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.423  | 9.406     | 0.017     | 82 | 1129901  | 20.9                  |       |
| 30 Acetonitrile                    | 41  | 9.562  | 9.535     | 0.027     | 99 | 566435   | 19.3                  |       |
| 31 Methylene Chloride              | 49  | 9.754  | 9.733     | 0.021     | 79 | 1005390  | 18.0                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.952  | 9.904     | 0.048     | 99 | 2441672  | 20.1                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.188 | 10.161    | 0.027     | 94 | 4285532  | 21.3                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0  |          | 38.4                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.252 | 10.236    | 0.016     | 88 | 1723602  | 18.8                  |       |

| Sig | RT<br>(min.)                   | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags      |          |      |
|-----|--------------------------------|------------------|------------------|--------|----------------|-----------------------|------------|----------|------|
|     | 35 Acrylonitrile               |                  | 53               | 10.407 | 10.385         | 0.022                 | 93         | 668184   | 19.6 |
|     | 36 Hexane                      |                  | 57               | 10.669 | 10.653         | 0.016                 | 89         | 1605996  | 20.8 |
|     | 37 1,1-Dichloroethane          |                  | 63               | 11.220 | 11.199         | 0.021                 | 99         | 2164552  | 17.5 |
|     | 38 Vinyl acetate               |                  | 43               | 11.263 | 11.236         | 0.027                 | 99         | 2410980  | 21.0 |
|     | 39 cis-1,2-Dichloroethene      |                  | 96               | 12.392 | 12.375         | 0.017                 | 99         | 1582116  | 19.7 |
|     | 40 2-Butanone (MEK)            |                  | 72               | 12.413 | 12.392         | 0.021                 | 99         | 636539   | 18.8 |
|     | 42 Ethyl acetate               |                  | 88               | 12.440 | 12.413         | 0.027                 | 96         | 126901   | 19.3 |
|     | 44 Tetrahydrofuran             |                  | 42               | 12.868 | 12.846         | 0.022                 | 85         | 952136   | 19.6 |
| *   | 43 Chlorobromomethane          |                  | 128              | 12.873 | 12.852         | 0.021                 | 74         | 551150   | 10.0 |
|     | 45 Chloroform                  |                  | 83               | 12.980 | 12.964         | 0.016                 | 99         | 3317829  | 18.0 |
|     | 46 Cyclohexane                 |                  | 84               | 13.280 | 13.264         | 0.016                 | 82         | 1919134  | 20.4 |
|     | 47 1,1,1-Trichloroethane       |                  | 97               | 13.296 | 13.280         | 0.016                 | 95         | 3959774  | 18.4 |
|     | 48 Carbon tetrachloride        |                  | 117              | 13.542 | 13.531         | 0.011                 | 98         | 4337444  | 17.7 |
|     | 51 Isooctane                   |                  | 57               | 13.943 | 13.927         | 0.016                 | 97         | 5233844  | 20.9 |
|     | 50 Benzene                     |                  | 78               | 14.002 | 13.986         | 0.016                 | 93         | 4071533  | 18.2 |
|     | 52 1,2-Dichloroethane          |                  | 62               | 14.157 | 14.141         | 0.016                 | 99         | 2108882  | 18.6 |
|     | 53 n-Heptane                   |                  | 43               | 14.291 | 14.275         | 0.016                 | 80         | 1627119  | 20.8 |
| *   | 54 1,4-Difluorobenzene         |                  | 114              | 14.756 | 14.745         | 0.011                 | 93         | 2573104  | 10.0 |
| A   | 57 GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 576637732  | 0        |      |
|     | 55 n-Butanol                   |                  | 56               | 15.050 | 15.024         | 0.026                 | 84         | 578640   | 20.8 |
|     | 56 Trichloroethene             |                  | 95               | 15.222 | 15.211         | 0.011                 | 95         | 2178196  | 18.9 |
|     | 58 1,2-Dichloropropane         |                  | 63               | 15.741 | 15.730         | 0.011                 | 84         | 1268562  | 18.6 |
|     | 59 Methyl methacrylate         |                  | 69               | 15.826 | 15.815         | 0.011                 | 76         | 1439673  | 20.3 |
|     | 60 1,4-Dioxane                 |                  | 88               | 15.917 | 15.901         | 0.016                 | 84         | 728137   | 18.6 |
|     | 61 Dibromomethane              |                  | 174              | 15.987 | 15.970         | 0.017                 | 88         | 2490929  | 17.6 |
|     | 62 Dichlorobromomethane        |                  | 83               | 16.233 | 16.222         | 0.011                 | 98         | 3678848  | 18.6 |
| A   | 63 TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 1022878503 | 5481.7   |      |
|     | 64 cis-1,3-Dichloropropene     |                  | 75               | 17.094 | 17.083         | 0.011                 | 90         | 2400930  | 21.5 |
|     | 65 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.329 | 17.324         | 0.005                 | 90         | 2240568  | 20.5 |
| A   | 68 C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 22390100   | NC       |      |
|     | 69 n-Octane                    |                  | 43               | 17.666 | 17.656         | 0.010                 | 77         | 2074970  | 20.0 |
|     | 66 Toluene                     |                  | 92               | 17.672 | 17.661         | 0.011                 | 94         | 3095855  | 18.0 |
| A   | 67 Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 22390100   | NC       |      |
|     | 70 trans-1,3-Dichloropropene   |                  | 75               | 18.201 | 18.191         | 0.010                 | 95         | 2696132  | 21.0 |
|     | 71 1,1,2-Trichloroethane       |                  | 83               | 18.571 | 18.560         | 0.011                 | 92         | 1543025  | 17.9 |
|     | 72 Tetrachloroethene           |                  | 166              | 18.704 | 18.699         | 0.005                 | 98         | 3817042  | 17.8 |
|     | 73 2-Hexanone                  |                  | 43               | 18.961 | 18.950         | 0.011                 | 90         | 2111642  | 21.8 |
|     | 74 Chlorodibromomethane        |                  | 129              | 19.320 | 19.314         | 0.006                 | 97         | 4523936  | 18.9 |
|     | 75 Ethylene Dibromide          |                  | 107              | 19.608 | 19.603         | 0.005                 | 99         | 3368163  | 19.3 |
| S   | 82 Xylenes, Total              |                  | 106              |        |                | 0                     |            | 56.4     |      |
| *   | 76 Chlorobenzene-d5            |                  | 117              | 20.454 | 20.443         | 0.011                 | 65         | 2377432  | 10.0 |
|     | 77 Chlorobenzene               |                  | 112              | 20.507 | 20.502         | 0.005                 | 95         | 4973639  | 17.2 |
|     | 78 Ethylbenzene                |                  | 91               | 20.625 | 20.614         | 0.011                 | 95         | 7636888  | 19.0 |
|     | 79 n-Nonane                    |                  | 57               | 20.678 | 20.673         | 0.005                 | 78         | 2571881  | 19.1 |
|     | 80 m-Xylene & p-Xylene         |                  | 106              | 20.839 | 20.833         | 0.006                 | 99         | 5905377  | 36.3 |
|     | 83 o-Xylene                    |                  | 106              | 21.550 | 21.545         | 0.005                 | 94         | 3079865  | 20.1 |
|     | 84 Styrene                     |                  | 104              | 21.588 | 21.582         | 0.006                 | 94         | 4677097  | 20.6 |
|     | 85 Bromoform                   |                  | 173              | 21.968 | 21.962         | 0.006                 | 98         | 4598090  | 19.1 |
|     | 86 Isopropylbenzene            |                  | 105              | 22.117 | 22.112         | 0.005                 | 96         | 9442987  | 20.0 |
| \$  | 87 4-Bromofluorobenzene        |                  | 95               | 22.449 | 22.444         | 0.005                 | 97         | 1727188  | NC   |
|     | 88 1,1,1,2,2-Tetrachloroethane |                  | 83               | 22.674 | 22.668         | 0.006                 | 93         | 4060277  | 17.4 |
|     | 90 N-Propylbenzene             |                  | 91               | 22.749 | 22.743         | 0.006                 | 97         | 10306137 | 18.8 |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response |       | On-Col Amt<br>ppb v/v | Flags    |      |
|-----|------------------------|------------------|------------------|--------|----------|-------|-----------------------|----------|------|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.775 | 22.770   | 0.005 | 93                    | 3249502  | 18.1 |
| 93  | n-Decane               |                  | 57               | 22.861 | 22.861   | 0.0   | 81                    | 3487876  | 18.5 |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.915 | 22.909   | 0.006 | 96                    | 9515286  | 18.1 |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.947 | 22.946   | 0.001 | 94                    | 8101828  | 17.7 |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.005 | 23.005   | 0.0   | 93                    | 8755104  | 18.0 |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.353 | 23.353   | 0.0   | 88                    | 4431870  | 21.9 |
| 96  | tert-Butylbenzene      |                  | 119              | 23.482 | 23.481   | 0.001 | 90                    | 8571312  | 18.2 |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.578 | 23.572   | 0.006 | 97                    | 8763488  | 18.9 |
| 98  | sec-Butylbenzene       |                  | 105              | 23.813 | 23.808   | 0.005 | 96                    | 11547049 | 18.1 |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.017 | 24.011   | 0.006 | 90                    | 10584636 | 18.8 |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.081 | 24.081   | 0.0   | 96                    | 6295982  | 18.6 |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.231 | 24.225   | 0.006 | 95                    | 6263556  | 19.9 |
| 102 | Benzyl chloride        |                  | 91               | 24.439 | 24.434   | 0.005 | 99                    | 6747945  | 23.9 |
| 104 | Undecane               |                  | 57               | 24.632 | 24.626   | 0.006 | 87                    | 3484036  | 18.3 |
| 103 | n-Butylbenzene         |                  | 91               | 24.653 | 24.653   | 0.0   | 97                    | 7909203  | 18.6 |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.835 | 24.830   | 0.005 | 97                    | 6199708  | 18.9 |
| 106 | Dodecane               |                  | 57               | 26.440 | 26.434   | 0.006 | 90                    | 3032210  | 24.3 |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.729 | 27.724   | 0.005 | 94                    | 4005998  | 23.7 |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.927 | 27.927   | 0.0   | 93                    | 4829134  | 18.1 |
| 109 | Naphthalene            |                  | 128              | 28.318 | 28.312   | 0.006 | 99                    | 8113281  | 24.6 |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.879 | 28.879   | 0.0   | 95                    | 3927460  | 24.9 |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_010.d

Injection Date: 12-Feb-2014 00:07:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

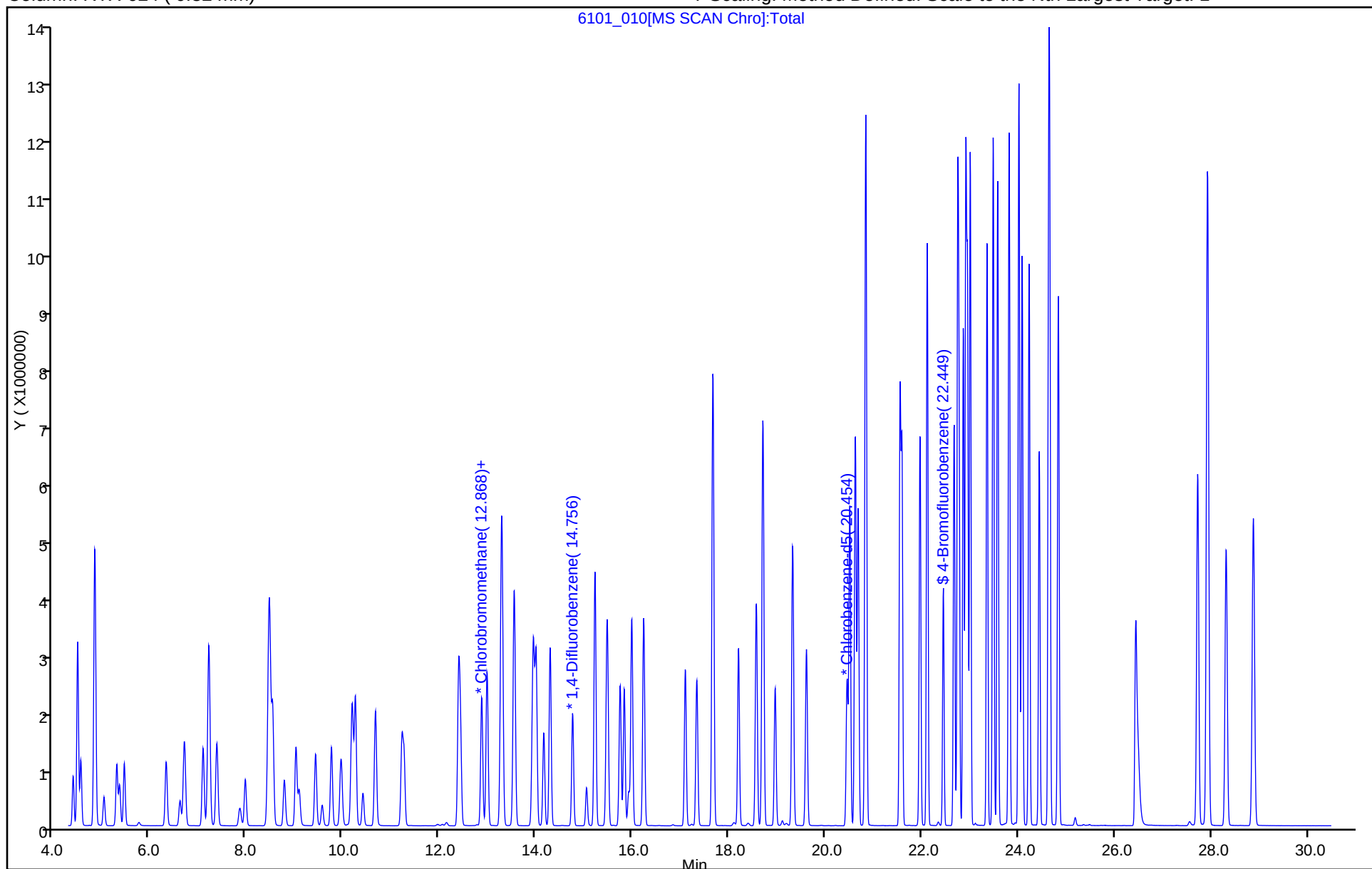
ALS Bottle#: 7

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Lims ID: IC Lab Sample ID:  
 Client ID:  
 Sample Type: IC Calib Level: 8  
 Inject. Date: 12-Feb-2014 00:55:30 ALS Bottle#: 8 Worklist Smp#: 11  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-011  
 Misc. Info.: IC 08  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:35:38 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:12:42

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q   | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|-----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.394  | 4.383     | 0.011     | 97  | 1299181  | 35.1                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.485  | 4.479     | 0.006     | 98  | 8550592  | 33.4                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.554  | 4.544     | 0.010     | 93  | 3413634  | 35.1                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.843  | 4.832     | 0.011     | 86  | 7032234  | 32.2                  |       |
| 8 Chloromethane                    | 50  | 5.036  | 5.025     | 0.011     | 99  | 1586316  | 35.9                  |       |
| 9 Butane                           | 43  | 5.303  | 5.287     | 0.016     | 94  | 2666551  | 37.3                  |       |
| 10 Vinyl chloride                  | 62  | 5.357  | 5.346     | 0.011     | 97  | 2226661  | 35.1                  |       |
| 11 Butadiene                       | 54  | 5.459  | 5.442     | 0.016     | 93  | 1497279  | 38.3                  |       |
| 13 BFB                             |     |        |           |           |     |          |                       |       |
| 12 Bromomethane                    | 94  | 6.331  | 6.314     | 0.016     | 99  | 2299545  | 35.0                  |       |
| 14 Chloroethane                    | 64  | 6.614  | 6.598     | 0.016     | 99  | 1277845  | 37.8                  |       |
| 15 2-Methylbutane                  | 43  | 6.705  | 6.678     | 0.027     | 86  | 1989631  | 36.5                  |       |
| 16 Vinyl bromide                   | 106 | 7.096  | 7.079     | 0.017     | 99  | 3215429  | 36.7                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.213  | 7.192     | 0.021     | 98  | 9585030  | 33.4                  |       |
| 18 Pentane                         | 43  | 7.384  | 7.357     | 0.027     | 93  | 2914419  | 38.1                  |       |
| 19 Ethanol                         | 45  | 7.871  | 7.796     | 0.075     | 100 | 1549275  | 96.7                  |       |
| 21 Ethyl ether                     | 59  | 7.973  | 7.941     | 0.032     | 88  | 1580002  | 39.5                  |       |
| 22 Acrolein                        | 56  | 8.438  | 8.406     | 0.032     | 97  | 626835   | 37.3                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.470  | 8.443     | 0.027     | 95  | 5837171  | 32.5                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.535  | 8.518     | 0.017     | 95  | 2826103  | 36.5                  |       |
| 25 Acetone                         | 43  | 8.791  | 8.748     | 0.043     | 87  | 2879495  | 35.4                  |       |
| 26 Carbon disulfide                | 76  | 9.021  | 9.000     | 0.021     | 98  | 6427705  | 36.0                  |       |
| 27 Isopropyl alcohol               | 45  | 9.107  | 9.032     | 0.075     | 98  | 2486222  | 36.5                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.433  | 9.406     | 0.027     | 81  | 2265645  | 41.1                  |       |
| 30 Acetonitrile                    | 41  | 9.572  | 9.535     | 0.037     | 98  | 1093925  | 36.7                  |       |
| 31 Methylene Chloride              | 49  | 9.760  | 9.733     | 0.027     | 79  | 2025034  | 35.7                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.974  | 9.904     | 0.070     | 98  | 4658737  | 37.6                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.193 | 10.161    | 0.032     | 95  | 8388437  | 40.9                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0   |          | 74.2                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.263 | 10.236    | 0.027     | 88  | 3411936  | 36.5                  |       |



| Sig | RT<br>(min.)                   | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags      |          |      |
|-----|--------------------------------|------------------|------------------|--------|----------------|-----------------------|------------|----------|------|
|     | 35 Acrylonitrile               |                  | 53               | 10.418 | 10.385         | 0.033                 | 93         | 1365965  | 39.3 |
|     | 36 Hexane                      |                  | 57               | 10.674 | 10.653         | 0.021                 | 89         | 3163901  | 40.3 |
|     | 37 1,1-Dichloroethane          |                  | 63               | 11.225 | 11.199         | 0.026                 | 99         | 4305646  | 34.3 |
|     | 38 Vinyl acetate               |                  | 43               | 11.268 | 11.236         | 0.032                 | 98         | 4741059  | 40.6 |
|     | 39 cis-1,2-Dichloroethene      |                  | 96               | 12.397 | 12.375         | 0.022                 | 98         | 3084080  | 37.7 |
|     | 40 2-Butanone (MEK)            |                  | 72               | 12.424 | 12.392         | 0.032                 | 99         | 1211726  | 35.2 |
|     | 42 Ethyl acetate               |                  | 88               | 12.445 | 12.413         | 0.032                 | 97         | 253596   | 37.8 |
|     | 44 Tetrahydrofuran             |                  | 42               | 12.873 | 12.846         | 0.027                 | 80         | 1880073  | 37.4 |
| *   | 43 Chlorobromomethane          |                  | 128              | 12.879 | 12.852         | 0.027                 | 68         | 560558   | 10.0 |
|     | 45 Chloroform                  |                  | 83               | 12.991 | 12.964         | 0.027                 | 99         | 6452059  | 34.3 |
|     | 46 Cyclohexane                 |                  | 84               | 13.285 | 13.264         | 0.021                 | 83         | 3634256  | 37.5 |
|     | 47 1,1,1-Trichloroethane       |                  | 97               | 13.301 | 13.280         | 0.021                 | 95         | 7644188  | 34.5 |
|     | 48 Carbon tetrachloride        |                  | 117              | 13.553 | 13.531         | 0.022                 | 98         | 8456206  | 33.4 |
|     | 51 Isooctane                   |                  | 57               | 13.948 | 13.927         | 0.021                 | 97         | 9832262  | 38.1 |
|     | 50 Benzene                     |                  | 78               | 14.007 | 13.986         | 0.021                 | 95         | 7794483  | 33.7 |
|     | 52 1,2-Dichloroethane          |                  | 62               | 14.168 | 14.141         | 0.027                 | 99         | 4176790  | 35.7 |
|     | 53 n-Heptane                   |                  | 43               | 14.296 | 14.275         | 0.021                 | 80         | 3119323  | 38.7 |
| *   | 54 1,4-Difluorobenzene         |                  | 114              | 14.767 | 14.745         | 0.022                 | 92         | 2654290  | 10.0 |
| A   | 57 GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 1106764022 | 0        |      |
|     | 55 n-Butanol                   |                  | 56               | 15.051 | 15.024         | 0.027                 | 84         | 1126195  | 39.2 |
|     | 56 Trichloroethene             |                  | 95               | 15.227 | 15.211         | 0.016                 | 96         | 4215341  | 35.4 |
|     | 58 1,2-Dichloropropane         |                  | 63               | 15.751 | 15.730         | 0.021                 | 84         | 2485785  | 35.3 |
|     | 59 Methyl methacrylate         |                  | 69               | 15.837 | 15.815         | 0.022                 | 76         | 2888354  | 39.5 |
|     | 60 1,4-Dioxane                 |                  | 88               | 15.928 | 15.901         | 0.027                 | 84         | 1345638  | 33.2 |
|     | 61 Dibromomethane              |                  | 174              | 15.992 | 15.970         | 0.022                 | 89         | 4755977  | 32.6 |
|     | 62 Dichlorobromomethane        |                  | 83               | 16.238 | 16.222         | 0.016                 | 97         | 7195458  | 35.3 |
| A   | 63 TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 1868084363 | 9705.0   |      |
|     | 64 cis-1,3-Dichloropropene     |                  | 75               | 17.099 | 17.083         | 0.016                 | 90         | 4831261  | 41.9 |
|     | 65 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.340 | 17.324         | 0.016                 | 89         | 4374920  | 38.7 |
| A   | 68 C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 42154473   | NC       |      |
|     | 69 n-Octane                    |                  | 43               | 17.672 | 17.656         | 0.016                 | 76         | 3789224  | 35.5 |
|     | 66 Toluene                     |                  | 92               | 17.677 | 17.661         | 0.016                 | 94         | 5834314  | 32.8 |
| A   | 67 Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 42154473   | NC       |      |
|     | 70 trans-1,3-Dichloropropene   |                  | 75               | 18.202 | 18.191         | 0.011                 | 95         | 5475160  | 41.4 |
|     | 71 1,1,2-Trichloroethane       |                  | 83               | 18.576 | 18.560         | 0.016                 | 91         | 3044405  | 34.3 |
|     | 72 Tetrachloroethene           |                  | 166              | 18.710 | 18.699         | 0.011                 | 98         | 7188363  | 32.5 |
|     | 73 2-Hexanone                  |                  | 43               | 18.967 | 18.950         | 0.016                 | 89         | 4156948  | 41.5 |
|     | 74 Chlorodibromomethane        |                  | 129              | 19.330 | 19.314         | 0.016                 | 96         | 8774775  | 35.6 |
|     | 75 Ethylene Dibromide          |                  | 107              | 19.614 | 19.603         | 0.011                 | 99         | 6625295  | 36.8 |
| S   | 82 Xylenes, Total              |                  | 106              |        |                | 0                     |            | 102.0    |      |
| *   | 76 Chlorobenzene-d5            |                  | 117              | 20.454 | 20.443         | 0.011                 | 64         | 2454063  | 10.0 |
|     | 77 Chlorobenzene               |                  | 112              | 20.513 | 20.502         | 0.011                 | 93         | 9580082  | 32.2 |
|     | 78 Ethylbenzene                |                  | 91               | 20.625 | 20.614         | 0.011                 | 95         | 14213914 | 34.2 |
|     | 79 n-Nonane                    |                  | 57               | 20.684 | 20.673         | 0.011                 | 76         | 4793442  | 34.5 |
|     | 80 m-Xylene & p-Xylene         |                  | 106              | 20.844 | 20.833         | 0.011                 | 96         | 10940635 | 65.2 |
|     | 83 o-Xylene                    |                  | 106              | 21.556 | 21.545         | 0.011                 | 94         | 5820499  | 36.8 |
|     | 84 Styrene                     |                  | 104              | 21.593 | 21.582         | 0.011                 | 93         | 8924095  | 38.0 |
|     | 85 Bromoform                   |                  | 173              | 21.968 | 21.962         | 0.006                 | 96         | 8504614  | 34.3 |
|     | 86 Isopropylbenzene            |                  | 105              | 22.117 | 22.112         | 0.005                 | 96         | 16571499 | 34.0 |
| \$  | 87 4-Bromofluorobenzene        |                  | 95               | 22.449 | 22.444         | 0.005                 | 97         | 1777055  | NC   |
|     | 88 1,1,2,2-Tetrachloroethane   |                  | 83               | 22.674 | 22.668         | 0.006                 | 92         | 7354083  | 30.5 |
|     | 90 N-Propylbenzene             |                  | 91               | 22.749 | 22.743         | 0.006                 | 96         | 17147954 | 30.3 |



| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response | On-Col Amt<br>ppb v/v | Flags    |      |
|-----|------------------------|------------------|------------------|--------|----------|-----------------------|----------|------|
| 89  | 1,2,3-Trichloropropane | 75               | 22.776           | 22.770 | 0.006    | 88                    | 5927464  | 31.9 |
| 93  | n-Decane               | 57               | 22.866           | 22.861 | 0.005    | 79                    | 6090541  | 31.4 |
| 91  | 4-Ethyltoluene         | 105              | 22.915           | 22.909 | 0.006    | 81                    | 16015232 | 29.6 |
| 92  | 2-Chlorotoluene        | 91               | 22.952           | 22.946 | 0.006    | 93                    | 14469307 | 30.5 |
| 94  | 1,3,5-Trimethylbenzene | 105              | 23.011           | 23.005 | 0.006    | 86                    | 15053321 | 30.0 |
| 95  | Alpha Methyl Styrene   | 118              | 23.359           | 23.353 | 0.006    | 86                    | 8283686  | 39.6 |
| 96  | tert-Butylbenzene      | 119              | 23.487           | 23.481 | 0.006    | 89                    | 14879192 | 30.6 |
| 97  | 1,2,4-Trimethylbenzene | 105              | 23.578           | 23.572 | 0.006    | 96                    | 15215793 | 31.8 |
| 98  | sec-Butylbenzene       | 105              | 23.819           | 23.808 | 0.011    | 94                    | 19130372 | 29.0 |
| 99  | 4-Isopropyltoluene     | 119              | 24.017           | 24.011 | 0.006    | 90                    | 17749239 | 30.6 |
| 100 | 1,3-Dichlorobenzene    | 146              | 24.086           | 24.081 | 0.005    | 94                    | 11371054 | 32.6 |
| 101 | 1,4-Dichlorobenzene    | 146              | 24.231           | 24.225 | 0.006    | 93                    | 11376207 | 35.0 |
| 102 | Benzyl chloride        | 91               | 24.439           | 24.434 | 0.005    | 99                    | 13049488 | 44.8 |
| 104 | Undecane               | 57               | 24.632           | 24.626 | 0.006    | 85                    | 5961631  | 30.3 |
| 103 | n-Butylbenzene         | 91               | 24.659           | 24.653 | 0.006    | 97                    | 13698552 | 31.1 |
| 105 | 1,2-Dichlorobenzene    | 146              | 24.835           | 24.830 | 0.005    | 95                    | 11211062 | 33.0 |
| 106 | Dodecane               | 57               | 26.456           | 26.434 | 0.022    | 90                    | 921744   | 7.15 |
| 107 | 1,2,4-Trichlorobenzene | 180              | 27.729           | 27.724 | 0.005    | 94                    | 6630259  | 38.0 |
| 108 | Hexachlorobutadiene    | 225              | 27.938           | 27.927 | 0.011    | 94                    | 5670385  | 20.6 |
| 109 | Naphthalene            | 128              | 28.318           | 28.312 | 0.006    | 98                    | 14116069 | 41.5 |
| 110 | 1,2,3-Trichlorobenzene | 180              | 28.896           | 28.879 | 0.017    | 96                    | 4461825  | 27.5 |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d

Injection Date: 12-Feb-2014 00:55:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: IC

Lab Sample ID:

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

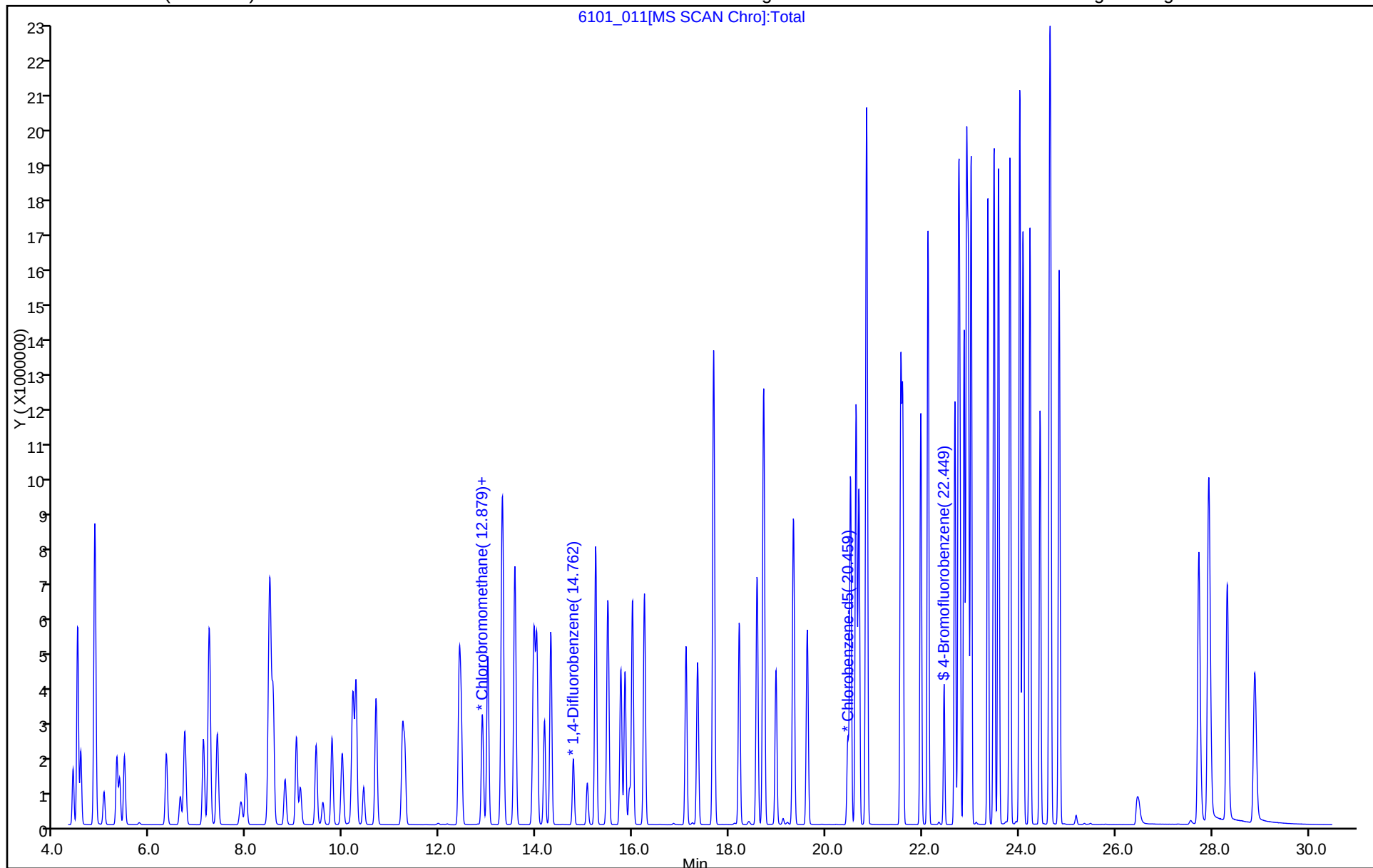
ALS Bottle#: 8

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101\_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.6601  | 0.5218 |         | 7.90           | 10.0            | -21.0 | 30.0      |
| Dichlorodifluoromethane       | Ave           | 4.574   | 3.691  |         | 8.07           | 10.0            | -19.3 | 30.0      |
| Freon 22                      | Ave           | 1.733   | 1.395  |         | 8.05           | 10.0            | -19.5 | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 3.900   | 3.454  |         | 8.86           | 10.0            | -11.4 | 30.0      |
| Chloromethane                 | Ave           | 0.7873  | 0.6279 |         | 7.97           | 10.0            | -20.2 | 30.0      |
| n-Butane                      | Ave           | 1.276   | 1.082  |         | 8.48           | 10.0            | -15.2 | 30.0      |
| Vinyl chloride                | Ave           | 1.133   | 0.8930 |         | 7.88           | 10.0            | -21.2 | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.6968  | 0.5928 |         | 8.50           | 10.0            | -14.9 | 30.0      |
| Bromomethane                  | Ave           | 1.171   | 0.9199 |         | 7.85           | 10.0            | -21.5 | 30.0      |
| Chloroethane                  | Ave           | 0.6027  | 0.4820 |         | 7.99           | 10.0            | -20.0 | 30.0      |
| Isopentane                    | Ave           | 0.9735  | 0.8689 |         | 8.92           | 10.0            | -10.7 | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.561   | 1.305  |         | 8.36           | 10.0            | -16.4 | 30.0      |
| Trichlorofluoromethane        | Ave           | 5.126   | 3.998  |         | 7.80           | 10.0            | -22.0 | 30.0      |
| n-Pentane                     | Ave           | 1.364   | 1.342  |         | 9.83           | 10.0            | -1.7  | 30.0      |
| Ethanol                       | Ave           | 0.2860  | 0.2399 |         | 12.6           | 15.0            | -16.1 | 30.0      |
| Ethyl ether                   | Ave           | 0.7138  | 0.7330 |         | 10.3           | 10.0            | 2.7   | 30.0      |
| Acrolein                      | Ave           | 0.3000  | 0.3236 |         | 10.8           | 10.0            | 7.9   | 30.0      |
| Freon TF                      | Ave           | 3.208   | 2.620  |         | 8.17           | 10.0            | -18.3 | 30.0      |
| 1,1-Dichloroethene            | Ave           | 1.382   | 1.206  |         | 8.72           | 10.0            | -12.7 | 30.0      |
| Acetone                       | Ave           | 1.452   | 1.422  |         | 9.79           | 10.0            | -2.1  | 30.0      |
| Carbon disulfide              | Ave           | 3.183   | 3.074  |         | 9.66           | 10.0            | -3.4  | 30.0      |
| Isopropyl alcohol             | Ave           | 1.217   | 0.9047 |         | 7.43           | 10.0            | -25.6 | 30.0      |
| 3-Chloropropene               | Ave           | 0.9827  | 0.8690 |         | 8.84           | 10.0            | -11.6 | 30.0      |
| Acetonitrile                  | Ave           | 0.5322  | 0.4695 |         | 8.82           | 10.0            | -11.8 | 30.0      |
| Methylene Chloride            | Ave           | 1.011   | 0.8440 |         | 8.35           | 10.0            | -16.5 | 30.0      |
| tert-Butyl alcohol            | Ave           | 2.208   | 1.792  |         | 8.11           | 10.0            | -18.8 | 30.0      |
| Methyl tert-butyl ether       | Ave           | 3.658   | 3.641  |         | 9.95           | 10.0            | -0.5  | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.666   | 1.518  |         | 9.11           | 10.0            | -8.9  | 30.0      |
| Acrylonitrile                 | Ave           | 0.6196  | 0.5743 |         | 9.27           | 10.0            | -7.3  | 30.0      |
| n-Hexane                      | Ave           | 1.400   | 1.443  |         | 10.3           | 10.0            | 3.1   | 30.0      |
| 1,1-Dichloroethane            | Ave           | 2.242   | 1.819  |         | 8.11           | 10.0            | -18.9 | 30.0      |
| Vinyl acetate                 | Ave           | 2.083   | 1.908  |         | 9.16           | 10.0            | -8.4  | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.459   | 1.310  |         | 8.97           | 10.0            | -10.3 | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.6148  | 0.5454 |         | 8.87           | 10.0            | -11.3 | 30.0      |
| Ethyl acetate                 | Ave           | 0.1195  | 0.1135 |         | 9.49           | 10.0            | -5.0  | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1892  | 0.1677 |         | 8.86           | 10.0            | -11.4 | 30.0      |
| Chloroform                    | Ave           | 3.351   | 2.766  |         | 8.25           | 10.0            | -17.5 | 30.0      |
| Cyclohexane                   | Ave           | 0.3651  | 0.3510 |         | 9.61           | 10.0            | -3.9  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.8347  | 0.6941 |         | 8.31           | 10.0            | -16.8 | 30.0      |
| Carbon tetrachloride          | Ave           | 0.9534  | 0.7595 |         | 7.97           | 10.0            | -20.3 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 6101\_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.9724  | 0.9536 |         | 9.80           | 10.0            | -1.9  | 30.0      |
| Benzene                             | Ave           | 0.8714  | 0.7454 |         | 8.55           | 10.0            | -14.5 | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.4411  | 0.3729 |         | 8.45           | 10.0            | -15.5 | 30.0      |
| n-Heptane                           | Ave           | 0.3036  | 0.2983 |         | 9.82           | 10.0            | -1.8  | 30.0      |
| n-Butanol                           | Ave           | 0.1081  | 0.0899 |         | 8.31           | 10.0            | -16.9 | 30.0      |
| Trichloroethene                     | Ave           | 0.4486  | 0.3972 |         | 8.85           | 10.0            | -11.5 | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.2654  | 0.2271 |         | 8.55           | 10.0            | -14.4 | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2752  | 0.2583 |         | 9.38           | 10.0            | -6.1  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1525  | 0.1186 |         | 7.77           | 10.0            | -22.3 | 30.0      |
| Dibromomethane                      | Ave           | 0.5502  | 0.4531 |         | 8.23           | 10.0            | -17.6 | 30.0      |
| Bromodichloromethane                | Ave           | 0.7680  | 0.6447 |         | 8.39           | 10.0            | -16.1 | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.4344  | 0.4270 |         | 9.83           | 10.0            | -1.7  | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.4254  | 0.3833 |         | 9.01           | 10.0            | -9.9  | 30.0      |
| n-Octane                            | Ave           | 0.4024  | 0.3953 |         | 9.82           | 10.0            | -1.8  | 30.0      |
| Toluene                             | Ave           | 0.7252  | 0.6585 |         | 9.08           | 10.0            | -9.2  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.4984  | 0.4749 |         | 9.52           | 10.0            | -4.7  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.3616  | 0.3099 |         | 8.57           | 10.0            | -14.3 | 30.0      |
| Tetrachloroethene                   | Ave           | 0.9024  | 0.7795 |         | 8.64           | 10.0            | -13.6 | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.4083  | 0.3819 |         | 9.35           | 10.0            | -6.5  | 30.0      |
| Dibromochloromethane                | Ave           | 1.004   | 0.8568 |         | 8.53           | 10.0            | -14.7 | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.7336  | 0.6626 |         | 9.03           | 10.0            | -9.7  | 30.0      |
| Chlorobenzene                       | Ave           | 1.213   | 1.014  |         | 8.36           | 10.0            | -16.4 | 30.0      |
| Ethylbenzene                        | Ave           | 1.694   | 1.544  |         | 9.11           | 10.0            | -8.9  | 30.0      |
| n-Nonane                            | Ave           | 0.5654  | 0.5206 |         | 9.21           | 10.0            | -7.9  | 30.0      |
| m,p-Xylene                          | Ave           | 0.6834  | 0.6134 |         | 17.9           | 20.0            | -10.2 | 30.0      |
| Xylene, o-                          | Ave           | 0.6450  | 0.6220 |         | 9.64           | 10.0            | -3.6  | 30.0      |
| Styrene                             | Ave           | 0.9570  | 0.9354 |         | 9.77           | 10.0            | -2.3  | 30.0      |
| Bromoform                           | Ave           | 1.010   | 0.8961 |         | 8.87           | 10.0            | -11.3 | 30.0      |
| Cumene                              | Ave           | 1.983   | 1.978  |         | 9.97           | 10.0            | -0.3  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.9828  | 0.8466 |         | 8.61           | 10.0            | -13.9 | 30.0      |
| n-Propylbenzene                     | Ave           | 2.308   | 2.182  |         | 9.45           | 10.0            | -5.5  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.7563  | 0.6505 |         | 8.60           | 10.0            | -14.0 | 30.0      |
| n-Decane                            | Ave           | 0.7915  | 0.7216 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| 4-Ethyltoluene                      | Ave           | 2.208   | 2.031  |         | 9.20           | 10.0            | -8.0  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.930   | 1.661  |         | 8.60           | 10.0            | -13.9 | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 2.043   | 1.801  |         | 8.81           | 10.0            | -11.9 | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.8513  | 0.8874 |         | 10.4           | 10.0            | 4.2   | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.984   | 1.765  |         | 8.89           | 10.0            | -11.0 | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.950   | 1.764  |         | 9.05           | 10.0            | -9.5  | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.687   | 2.399  |         | 8.93           | 10.0            | -10.7 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-68234/14 Calibration Date: 02/12/2014 03:20  
 Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55  
 Lab File ID: 6101\_014.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 2.363   | 2.177  |         | 9.21           | 10.0            | -7.9  | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.421   | 1.224  |         | 8.61           | 10.0            | -13.8 | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.323   | 1.191  |         | 9.01           | 10.0            | -9.9  | 30.0      |
| Benzyl chloride        | Ave           | 1.188   | 1.091  |         | 9.18           | 10.0            | -8.2  | 30.0      |
| n-Undecane             | Ave           | 0.8026  | 0.7231 |         | 9.01           | 10.0            | -9.9  | 30.0      |
| n-Butylbenzene         | Ave           | 1.792   | 1.580  |         | 8.81           | 10.0            | -11.8 | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 1.383   | 1.196  |         | 8.64           | 10.0            | -13.6 | 30.0      |
| n-Dodecane             | Ave           | 0.5251  | 0.4886 |         | 9.30           | 10.0            | -7.0  | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.7107  | 0.6320 |         | 8.89           | 10.0            | -11.1 | 30.0      |
| Hexachlorobutadiene    | Ave           | 1.124   | 0.9086 |         | 8.08           | 10.0            | -19.2 | 30.0      |
| Naphthalene            | Ave           | 1.386   | 1.258  |         | 9.08           | 10.0            | -9.2  | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.6622  | 0.5867 |         | 8.86           | 10.0            | -11.4 | 30.0      |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_014.d  
 Lims ID: ICV Lab Sample ID: ICV 200-68232/14-A  
 Client ID:  
 Sample Type: ICV  
 Inject. Date: 12-Feb-2014 03:20:30 ALS Bottle#: 9 Worklist Smp#: 14  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006101-014  
 Misc. Info.: ICV  
 Operator ID: PAD Instrument ID: CHW.i  
 Sublist:  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 12-Feb-2014 09:52:24 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 09:34:30

| Compound                           | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                          | 41  | 4.383  | 4.383     | 0.0       | 97 | 300987   | 7.90                  |       |
| 2 Dichlorodifluoromethane          | 85  | 4.474  | 4.479     | -0.005    | 99 | 2129367  | 8.07                  |       |
| 6 Chlorodifluoromethane            | 51  | 4.544  | 4.544     | 0.0       | 93 | 804517   | 8.05                  |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro | 85  | 4.833  | 4.832     | 0.0       | 92 | 1992453  | 8.86                  |       |
| 8 Chloromethane                    | 50  | 5.025  | 5.025     | 0.0       | 99 | 362199   | 7.97                  |       |
| 9 Butane                           | 43  | 5.287  | 5.287     | 0.0       | 95 | 624207   | 8.48                  |       |
| 10 Vinyl chloride                  | 62  | 5.351  | 5.346     | 0.005     | 96 | 515110   | 7.88                  |       |
| 11 Butadiene                       | 54  | 5.448  | 5.442     | 0.006     | 93 | 341925   | 8.50                  |       |
| 13 BFB                             |     |        |           |           |    |          |                       |       |
| 12 Bromomethane                    | 94  | 6.314  | 6.314     | 0.0       | 99 | 530623   | 7.85                  |       |
| 14 Chloroethane                    | 64  | 6.603  | 6.598     | 0.005     | 99 | 278020   | 7.99                  |       |
| 15 2-Methylbutane                  | 43  | 6.694  | 6.678     | 0.016     | 86 | 501192   | 8.92                  |       |
| 16 Vinyl bromide                   | 106 | 7.079  | 7.079     | 0.0       | 96 | 752860   | 8.36                  |       |
| 17 Trichlorofluoromethane          | 101 | 7.197  | 7.192     | 0.005     | 98 | 2306138  | 7.80                  |       |
| 18 Pentane                         | 43  | 7.363  | 7.357     | 0.006     | 93 | 773960   | 9.83                  |       |
| 19 Ethanol                         | 45  | 7.802  | 7.796     | 0.006     | 99 | 207660   | 12.6                  |       |
| 21 Ethyl ether                     | 59  | 7.946  | 7.941     | 0.005     | 91 | 422831   | 10.3                  |       |
| 22 Acrolein                        | 56  | 8.406  | 8.406     | 0.0       | 96 | 186687   | 10.8                  |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoro | 101 | 8.449  | 8.443     | 0.006     | 95 | 1511482  | 8.17                  |       |
| 24 1,1-Dichloroethene              | 96  | 8.518  | 8.518     | 0.0       | 94 | 695415   | 8.72                  |       |
| 25 Acetone                         | 43  | 8.754  | 8.748     | 0.006     | 87 | 819994   | 9.79                  |       |
| 26 Carbon disulfide                | 76  | 9.005  | 9.000     | 0.005     | 98 | 1773118  | 9.66                  |       |
| 27 Isopropyl alcohol               | 45  | 9.037  | 9.032     | 0.005     | 88 | 521875   | 7.43                  |       |
| 29 3-Chloro-1-propene              | 41  | 9.407  | 9.406     | 0.0       | 82 | 501305   | 8.84                  |       |
| 30 Acetonitrile                    | 41  | 9.540  | 9.535     | 0.005     | 98 | 270842   | 8.82                  |       |
| 31 Methylene Chloride              | 49  | 9.738  | 9.733     | 0.005     | 79 | 486857   | 8.35                  |       |
| 32 2-Methyl-2-propanol             | 59  | 9.904  | 9.904     | 0.0       | 99 | 1033548  | 8.11                  |       |
| 33 Methyl tert-butyl ether         | 73  | 10.166 | 10.161    | 0.005     | 94 | 2100076  | 9.95                  |       |
| S 41 1,2-Dichloroethene, Total     | 61  |        |           |           | 0  |          | 18.1                  |       |
| 34 trans-1,2-Dichloroethene        | 61  | 10.236 | 10.236    | 0.0       | 88 | 875421   | 9.11                  |       |

| Sig | RT<br>(min.)                   | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response       | On-Col Amt<br>ppb v/v | Flags     |         |      |
|-----|--------------------------------|------------------|------------------|--------|----------------|-----------------------|-----------|---------|------|
|     | 35 Acrylonitrile               |                  | 53               | 10.385 | 10.385         | 0.0                   | 93        | 331253  | 9.27 |
|     | 36 Hexane                      |                  | 57               | 10.653 | 10.653         | 0.0                   | 89        | 832234  | 10.3 |
|     | 37 1,1-Dichloroethane          |                  | 63               | 11.199 | 11.199         | 0.0                   | 99        | 1049239 | 8.11 |
|     | 38 Vinyl acetate               |                  | 43               | 11.241 | 11.236         | 0.005                 | 99        | 1100456 | 9.16 |
|     | 39 cis-1,2-Dichloroethene      |                  | 96               | 12.370 | 12.375         | -0.005                | 97        | 755409  | 8.97 |
|     | 40 2-Butanone (MEK)            |                  | 72               | 12.397 | 12.392         | 0.005                 | 100       | 314618  | 8.87 |
|     | 42 Ethyl acetate               |                  | 88               | 12.408 | 12.413         | -0.005                | 97        | 65479   | 9.49 |
|     | 44 Tetrahydrofuran             |                  | 42               | 12.852 | 12.846         | 0.006                 | 81        | 459913  | 8.86 |
| *   | 43 Chlorobromomethane          |                  | 128              | 12.862 | 12.852         | 0.010                 | 69        | 576959  | 10.0 |
|     | 45 Chloroform                  |                  | 83               | 12.969 | 12.964         | 0.005                 | 99        | 1595470 | 8.25 |
|     | 46 Cyclohexane                 |                  | 84               | 13.269 | 13.264         | 0.005                 | 83        | 962676  | 9.61 |
|     | 47 1,1,1-Trichloroethane       |                  | 97               | 13.280 | 13.280         | 0.0                   | 95        | 1903809 | 8.31 |
|     | 48 Carbon tetrachloride        |                  | 117              | 13.531 | 13.531         | 0.0                   | 98        | 2083351 | 7.97 |
|     | 51 Isooctane                   |                  | 57               | 13.927 | 13.927         | 0.0                   | 97        | 2615633 | 9.80 |
|     | 50 Benzene                     |                  | 78               | 13.986 | 13.986         | 0.0                   | 94        | 2044509 | 8.55 |
|     | 52 1,2-Dichloroethane          |                  | 62               | 14.146 | 14.141         | 0.005                 | 99        | 1022839 | 8.45 |
|     | 53 n-Heptane                   |                  | 43               | 14.280 | 14.275         | 0.005                 | 81        | 818170  | 9.82 |
| *   | 54 1,4-Difluorobenzene         |                  | 114              | 14.746 | 14.745         | 0.001                 | 92        | 2743463 | 10.0 |
| A   | 57 GRO                         |                  | 1                | 14.769 | 6.668 - 22.871 | 0                     | 269637348 | 0       |      |
|     | 55 n-Butanol                   |                  | 56               | 15.029 | 15.024         | 0.005                 | 84        | 246610  | 8.31 |
|     | 56 Trichloroethene             |                  | 95               | 15.211 | 15.211         | 0.0                   | 95        | 1089561 | 8.85 |
|     | 58 1,2-Dichloropropane         |                  | 63               | 15.730 | 15.730         | 0.0                   | 86        | 622938  | 8.55 |
|     | 59 Methyl methacrylate         |                  | 69               | 15.815 | 15.815         | 0.0                   | 76        | 708455  | 9.38 |
|     | 60 1,4-Dioxane                 |                  | 88               | 15.906 | 15.901         | 0.005                 | 86        | 325166  | 7.77 |
|     | 61 Dibromomethane              |                  | 174              | 15.976 | 15.970         | 0.006                 | 88        | 1242876 | 8.23 |
|     | 62 Dichlorobromomethane        |                  | 83               | 16.222 | 16.222         | 0.0                   | 98        | 1768227 | 8.39 |
| A   | 63 TVOC as Toluene             |                  | 1                | 16.631 | 4.373 - 28.889 | 0                     | 486697765 | 2446.3  |      |
|     | 64 cis-1,3-Dichloropropene     |                  | 75               | 17.083 | 17.083         | 0.0                   | 89        | 1171279 | 9.83 |
|     | 65 4-Methyl-2-pentanone (MIBK) |                  | 43               | 17.324 | 17.324         | 0.0                   | 90        | 1051398 | 9.01 |
|     | 69 n-Octane                    |                  | 43               | 17.656 | 17.656         | 0.0                   | 79        | 1084256 | 9.82 |
| A   | 68 C8 Range                    |                  | 1                | 17.656 | 17.606 -17.706 | 0                     | 11683641  | NC      |      |
| A   | 67 Toluene Range               |                  | 1                | 17.661 | 17.621 -17.701 | 0                     | 11683641  | NC      |      |
|     | 66 Toluene                     |                  | 92               | 17.661 | 17.661         | 0.0                   | 93        | 1642194 | 9.08 |
|     | 70 trans-1,3-Dichloropropene   |                  | 75               | 18.191 | 18.191         | 0.0                   | 94        | 1302494 | 9.52 |
|     | 71 1,1,2-Trichloroethane       |                  | 83               | 18.560 | 18.560         | 0.0                   | 92        | 772914  | 8.57 |
|     | 72 Tetrachloroethene           |                  | 166              | 18.699 | 18.699         | 0.0                   | 97        | 1944046 | 8.64 |
|     | 73 2-Hexanone                  |                  | 43               | 18.950 | 18.950         | 0.0                   | 90        | 952369  | 9.35 |
|     | 74 Chlorodibromomethane        |                  | 129              | 19.314 | 19.314         | 0.0                   | 97        | 2136776 | 8.53 |
|     | 75 Ethylene Dibromide          |                  | 107              | 19.603 | 19.603         | 0.0                   | 99        | 1652351 | 9.03 |
| S   | 82 Xylenes, Total              |                  | 106              |        |                | 0                     |           |         | 27.6 |
| *   | 76 Chlorobenzene-d5            |                  | 117              | 20.443 | 20.443         | 0.0                   | 83        | 2494405 | 10.0 |
|     | 77 Chlorobenzene               |                  | 112              | 20.502 | 20.502         | 0.0                   | 96        | 2528783 | 8.36 |
|     | 78 Ethylbenzene                |                  | 91               | 20.619 | 20.614         | 0.005                 | 95        | 3851733 | 9.11 |
|     | 79 n-Nonane                    |                  | 57               | 20.673 | 20.673         | 0.0                   | 79        | 1298443 | 9.21 |
|     | 80 m-Xylene & p-Xylene         |                  | 106              | 20.833 | 20.833         | 0.0                   | 100       | 3059721 | 17.9 |
|     | 83 o-Xylene                    |                  | 106              | 21.545 | 21.545         | 0.0                   | 94        | 1551144 | 9.64 |
|     | 84 Styrene                     |                  | 104              | 21.582 | 21.582         | 0.0                   | 95        | 2332878 | 9.77 |
|     | 85 Bromoform                   |                  | 173              | 21.962 | 21.962         | 0.0                   | 99        | 2234851 | 8.87 |
|     | 86 Isopropylbenzene            |                  | 105              | 22.117 | 22.112         | 0.005                 | 95        | 4932625 | 9.97 |
| \$  | 87 4-Bromofluorobenzene        |                  | 95               | 22.454 | 22.444         | 0.010                 | 97        | 1831032 | NC   |
|     | 88 1,1,1,2,2-Tetrachloroethane |                  | 83               | 22.679 | 22.668         | 0.011                 | 94        | 2111331 | 8.61 |
|     | 90 N-Propylbenzene             |                  | 91               | 22.759 | 22.743         | 0.016                 | 99        | 5441121 | 9.45 |

| Sig | RT<br>(min.)           | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response |       | On-Col Amt<br>ppb v/v | Flags   |      |
|-----|------------------------|------------------|------------------|--------|----------|-------|-----------------------|---------|------|
| 89  | 1,2,3-Trichloropropane |                  | 75               | 22.786 | 22.770   | 0.016 | 93                    | 1622321 | 8.60 |
| 93  | n-Decane               |                  | 57               | 22.872 | 22.861   | 0.011 | 82                    | 1799683 | 9.12 |
| 91  | 4-Ethyltoluene         |                  | 105              | 22.925 | 22.909   | 0.016 | 96                    | 5065784 | 9.20 |
| 92  | 2-Chlorotoluene        |                  | 91               | 22.957 | 22.946   | 0.011 | 94                    | 4143273 | 8.60 |
| 94  | 1,3,5-Trimethylbenzene |                  | 105              | 23.016 | 23.005   | 0.011 | 92                    | 4490791 | 8.81 |
| 95  | Alpha Methyl Styrene   |                  | 118              | 23.369 | 23.353   | 0.016 | 89                    | 2213065 | 10.4 |
| 96  | tert-Butylbenzene      |                  | 119              | 23.492 | 23.481   | 0.011 | 92                    | 4402388 | 8.89 |
| 97  | 1,2,4-Trimethylbenzene |                  | 105              | 23.589 | 23.572   | 0.017 | 97                    | 4400273 | 9.05 |
| 98  | sec-Butylbenzene       |                  | 105              | 23.824 | 23.808   | 0.016 | 98                    | 5981883 | 8.93 |
| 99  | 4-Isopropyltoluene     |                  | 119              | 24.027 | 24.011   | 0.016 | 87                    | 5428368 | 9.21 |
| 100 | 1,3-Dichlorobenzene    |                  | 146              | 24.091 | 24.081   | 0.010 | 97                    | 3053631 | 8.61 |
| 101 | 1,4-Dichlorobenzene    |                  | 146              | 24.236 | 24.225   | 0.011 | 96                    | 2971448 | 9.01 |
| 102 | Benzyl chloride        |                  | 91               | 24.450 | 24.434   | 0.016 | 100                   | 2720950 | 9.18 |
| 104 | Undecane               |                  | 57               | 24.642 | 24.626   | 0.016 | 87                    | 1803329 | 9.01 |
| 103 | n-Butylbenzene         |                  | 91               | 24.664 | 24.653   | 0.011 | 97                    | 3940639 | 8.81 |
| 105 | 1,2-Dichlorobenzene    |                  | 146              | 24.840 | 24.830   | 0.010 | 98                    | 2982307 | 8.64 |
| 106 | Dodecane               |                  | 57               | 26.440 | 26.434   | 0.006 | 89                    | 1218498 | 9.30 |
| 107 | 1,2,4-Trichlorobenzene |                  | 180              | 27.729 | 27.724   | 0.005 | 94                    | 1576106 | 8.89 |
| 108 | Hexachlorobutadiene    |                  | 225              | 27.938 | 27.927   | 0.011 | 95                    | 2266007 | 8.08 |
| 109 | Naphthalene            |                  | 128              | 28.318 | 28.312   | 0.006 | 99                    | 3138431 | 9.08 |
| 110 | 1,2,3-Trichlorobenzene |                  | 180              | 28.885 | 28.879   | 0.006 | 95                    | 1463085 | 8.86 |



## WorkSheet Quantitation Report

| Sig | RT | Lower<br>RT | Upper<br>RT | Q | Response | On-Col Amt<br>ppb v/v | Ratio Range | Ratio | Flags |
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_014.d

Injection Date: 12-Feb-2014 03:20:30

Instrument ID: CHW.i

Operator ID: PAD

Lims ID: ICV

Lab Sample ID: ICV 200-68232/14-A

Worklist Smp#: 14

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

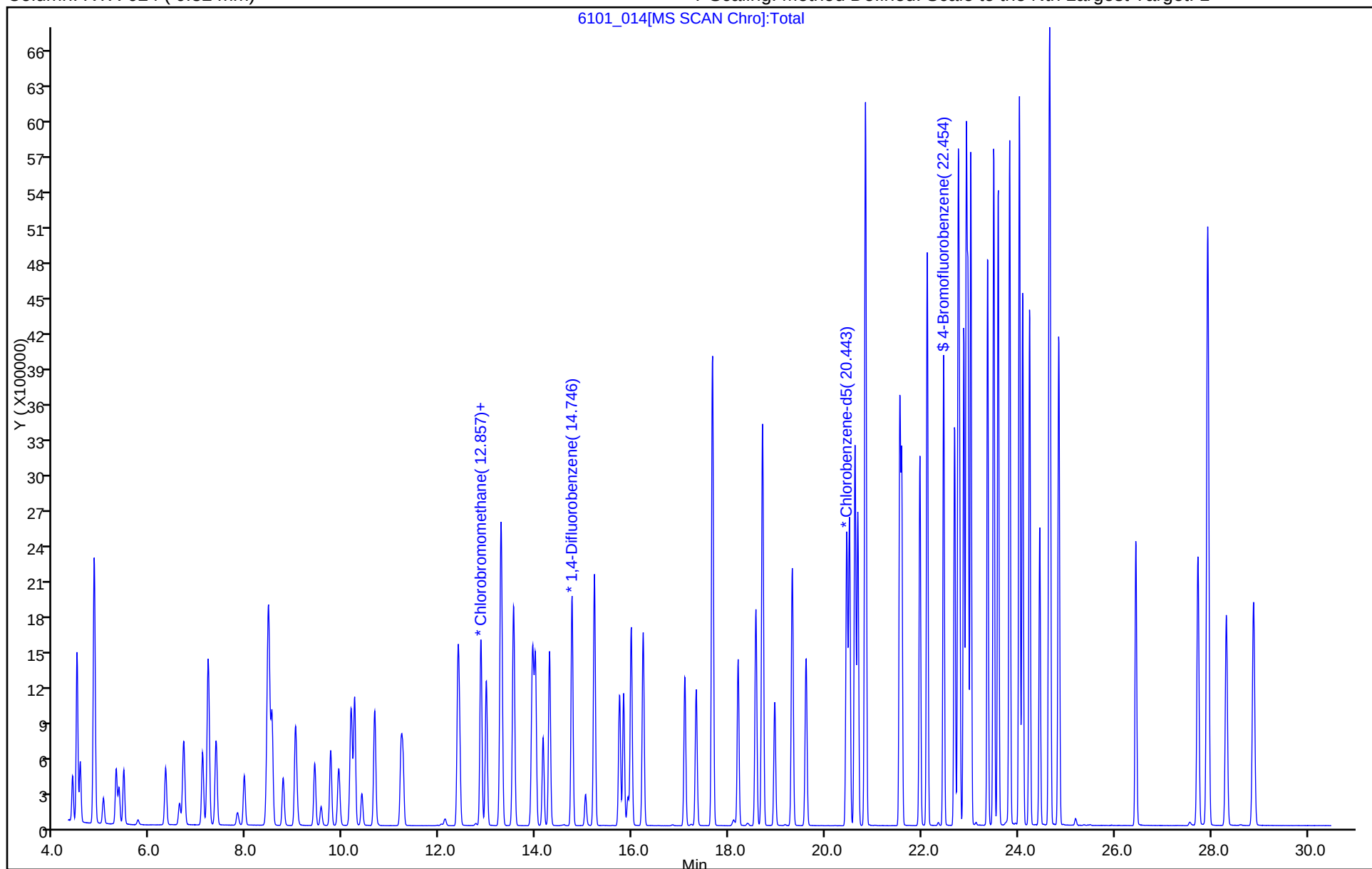
ALS Bottle#: 9

Method: TO15\_LL NJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 200-71232/3 Calibration Date: 04/25/2014 12:48

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 7223\_003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.6601  | 0.7441 |         | 11.3           | 10.0            | 12.7  | 30.0      |
| Dichlorodifluoromethane       | Ave           | 4.574   | 5.370  |         | 11.7           | 10.0            | 17.4  | 30.0      |
| Freon 22                      | Ave           | 1.733   | 2.071  |         | 12.0           | 10.0            | 19.5  | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 3.900   | 4.002  |         | 10.3           | 10.0            | 2.6   | 30.0      |
| Chloromethane                 | Ave           | 0.7873  | 0.7831 |         | 9.94           | 10.0            | -0.5  | 30.0      |
| n-Butane                      | Ave           | 1.276   | 1.413  |         | 11.1           | 10.0            | 10.8  | 30.0      |
| Vinyl chloride                | Ave           | 1.133   | 1.122  |         | 9.90           | 10.0            | -0.9  | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.6968  | 0.7604 |         | 10.9           | 10.0            | 9.1   | 30.0      |
| Bromomethane                  | Ave           | 1.171   | 1.017  |         | 8.68           | 10.0            | -13.2 | 30.0      |
| Chloroethane                  | Ave           | 0.6027  | 0.5932 |         | 9.84           | 10.0            | -1.6  | 30.0      |
| Isopentane                    | Ave           | 0.9735  | 0.9917 |         | 10.2           | 10.0            | 1.9   | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.561   | 1.429  |         | 9.15           | 10.0            | -8.5  | 30.0      |
| Trichlorofluoromethane        | Ave           | 5.126   | 5.362  |         | 10.5           | 10.0            | 4.6   | 30.0      |
| n-Pentane                     | Ave           | 1.364   | 1.431  |         | 10.5           | 10.0            | 4.9   | 30.0      |
| Ethanol                       | Ave           | 0.2860  | 0.3740 |         | 19.6           | 15.0            | 30.8* | 30.0      |
| Ethyl ether                   | Ave           | 0.7138  | 0.7265 |         | 10.2           | 10.0            | 1.8   | 30.0      |
| Acrolein                      | Ave           | 0.3000  | 0.2737 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| Freon TF                      | Ave           | 3.208   | 2.883  |         | 8.99           | 10.0            | -10.1 | 30.0      |
| 1,1-Dichloroethene            | Ave           | 1.382   | 1.265  |         | 9.15           | 10.0            | -8.5  | 30.0      |
| Acetone                       | Ave           | 1.452   | 1.667  |         | 11.5           | 10.0            | 14.8  | 30.0      |
| Carbon disulfide              | Ave           | 3.183   | 2.883  |         | 9.06           | 10.0            | -9.4  | 30.0      |
| Isopropyl alcohol             | Ave           | 1.217   | 1.125  |         | 9.25           | 10.0            | -7.5  | 30.0      |
| 3-Chloropropene               | Ave           | 0.9827  | 1.095  |         | 11.1           | 10.0            | 11.4  | 30.0      |
| Acetonitrile                  | Ave           | 0.5322  | 0.4488 |         | 8.43           | 10.0            | -15.7 | 30.0      |
| Methylene Chloride            | Ave           | 1.011   | 1.050  |         | 10.4           | 10.0            | 3.8   | 30.0      |
| tert-Butyl alcohol            | Ave           | 2.208   | 2.177  |         | 9.86           | 10.0            | -1.4  | 30.0      |
| Methyl tert-butyl ether       | Ave           | 3.658   | 4.203  |         | 11.5           | 10.0            | 14.9  | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.666   | 1.746  |         | 10.5           | 10.0            | 4.8   | 30.0      |
| Acrylonitrile                 | Ave           | 0.6196  | 0.5819 |         | 9.39           | 10.0            | -6.1  | 30.0      |
| n-Hexane                      | Ave           | 1.400   | 1.475  |         | 10.5           | 10.0            | 5.4   | 30.0      |
| 1,1-Dichloroethane            | Ave           | 2.242   | 2.120  |         | 9.45           | 10.0            | -5.5  | 30.0      |
| Vinyl acetate                 | Ave           | 2.083   | 2.346  |         | 11.3           | 10.0            | 12.6  | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.459   | 1.365  |         | 9.35           | 10.0            | -6.5  | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.6148  | 0.5550 |         | 9.02           | 10.0            | -9.7  | 30.0      |
| Ethyl acetate                 | Ave           | 0.1195  | 0.1088 |         | 9.10           | 10.0            | -9.0  | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1892  | 0.1766 |         | 9.33           | 10.0            | -6.6  | 30.0      |
| Chloroform                    | Ave           | 3.351   | 3.250  |         | 9.70           | 10.0            | -3.0  | 30.0      |
| Cyclohexane                   | Ave           | 0.3651  | 0.3627 |         | 9.93           | 10.0            | -0.7  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.8347  | 0.8537 |         | 10.2           | 10.0            | 2.3   | 30.0      |
| Carbon tetrachloride          | Ave           | 0.9534  | 0.9420 |         | 9.88           | 10.0            | -1.2  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 200-71232/3 Calibration Date: 04/25/2014 12:48

Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55

Lab File ID: 7223\_003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.9724  | 1.027  |         | 10.6           | 10.0            | 5.6   | 30.0      |
| Benzene                             | Ave           | 0.8714  | 0.7660 |         | 8.79           | 10.0            | -12.1 | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.4411  | 0.4917 |         | 11.1           | 10.0            | 11.5  | 30.0      |
| n-Heptane                           | Ave           | 0.3036  | 0.3335 |         | 11.0           | 10.0            | 9.8   | 30.0      |
| n-Butanol                           | Ave           | 0.1081  | 0.0898 |         | 8.31           | 10.0            | -16.9 | 30.0      |
| Trichloroethene                     | Ave           | 0.4486  | 0.4186 |         | 9.33           | 10.0            | -6.7  | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.2654  | 0.2419 |         | 9.11           | 10.0            | -8.9  | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2752  | 0.2655 |         | 9.64           | 10.0            | -3.5  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1525  | 0.1157 |         | 7.58           | 10.0            | -24.2 | 30.0      |
| Dibromomethane                      | Ave           | 0.5502  | 0.4312 |         | 7.84           | 10.0            | -21.6 | 30.0      |
| Bromodichloromethane                | Ave           | 0.7680  | 0.7767 |         | 10.1           | 10.0            | 1.1   | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.4344  | 0.4596 |         | 10.6           | 10.0            | 5.8   | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.4254  | 0.4585 |         | 10.8           | 10.0            | 7.8   | 30.0      |
| n-Octane                            | Ave           | 0.4024  | 0.4625 |         | 11.5           | 10.0            | 14.9  | 30.0      |
| Toluene                             | Ave           | 0.7252  | 0.6696 |         | 9.23           | 10.0            | -7.7  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.4984  | 0.5426 |         | 10.9           | 10.0            | 8.9   | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.3616  | 0.3039 |         | 8.40           | 10.0            | -16.0 | 30.0      |
| Tetrachloroethene                   | Ave           | 0.9024  | 0.7177 |         | 7.95           | 10.0            | -20.5 | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.4083  | 0.4281 |         | 10.5           | 10.0            | 4.9   | 30.0      |
| Dibromochloromethane                | Ave           | 1.004   | 0.9078 |         | 9.04           | 10.0            | -9.6  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.7336  | 0.6479 |         | 8.83           | 10.0            | -11.7 | 30.0      |
| Chlorobenzene                       | Ave           | 1.213   | 0.9827 |         | 8.10           | 10.0            | -19.0 | 30.0      |
| Ethylbenzene                        | Ave           | 1.694   | 1.651  |         | 9.74           | 10.0            | -2.5  | 30.0      |
| n-Nonane                            | Ave           | 0.5654  | 0.5776 |         | 10.2           | 10.0            | 2.2   | 30.0      |
| m,p-Xylene                          | Ave           | 0.6834  | 0.6465 |         | 18.9           | 20.0            | -5.4  | 30.0      |
| Xylene, o-                          | Ave           | 0.6450  | 0.6402 |         | 9.92           | 10.0            | -0.7  | 30.0      |
| Styrene                             | Ave           | 0.9570  | 0.9866 |         | 10.3           | 10.0            | 3.1   | 30.0      |
| Bromoform                           | Ave           | 1.010   | 0.9113 |         | 9.02           | 10.0            | -9.8  | 30.0      |
| Cumene                              | Ave           | 1.983   | 2.057  |         | 10.4           | 10.0            | 3.7   | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.9828  | 0.8210 |         | 8.35           | 10.0            | -16.5 | 30.0      |
| n-Propylbenzene                     | Ave           | 2.308   | 2.367  |         | 10.3           | 10.0            | 2.6   | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.7563  | 0.7287 |         | 9.63           | 10.0            | -3.7  | 30.0      |
| n-Decane                            | Ave           | 0.7915  | 0.7997 |         | 10.1           | 10.0            | 1.0   | 30.0      |
| 4-Ethyltoluene                      | Ave           | 2.208   | 2.128  |         | 9.64           | 10.0            | -3.6  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.930   | 1.870  |         | 9.69           | 10.0            | -3.1  | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 2.043   | 1.971  |         | 9.64           | 10.0            | -3.5  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.8513  | 0.8780 |         | 10.3           | 10.0            | 3.1   | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.984   | 1.919  |         | 9.67           | 10.0            | -3.3  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.950   | 1.977  |         | 10.1           | 10.0            | 1.4   | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.687   | 2.664  |         | 9.91           | 10.0            | -0.9  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-71232/3 Calibration Date: 04/25/2014 12:48  
 Instrument ID: CHW.i Calib Start Date: 02/11/2014 19:12  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/12/2014 00:55  
 Lab File ID: 7223\_003.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 2.363   | 2.379  |         | 10.1           | 10.0            | 0.7   | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.421   | 1.219  |         | 8.57           | 10.0            | -14.3 | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.323   | 1.155  |         | 8.73           | 10.0            | -12.7 | 30.0      |
| Benzyl chloride        | Ave           | 1.188   | 1.241  |         | 10.4           | 10.0            | 4.5   | 30.0      |
| n-Undecane             | Ave           | 0.8026  | 0.8389 |         | 10.5           | 10.0            | 4.5   | 30.0      |
| n-Butylbenzene         | Ave           | 1.792   | 1.819  |         | 10.1           | 10.0            | 1.5   | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 1.383   | 1.166  |         | 8.43           | 10.0            | -15.7 | 30.0      |
| n-Dodecane             | Ave           | 0.5251  | 0.5431 |         | 10.3           | 10.0            | 3.4   | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.7107  | 0.5147 |         | 7.24           | 10.0            | -27.6 | 30.0      |
| Hexachlorobutadiene    | Ave           | 1.124   | 0.9630 |         | 8.57           | 10.0            | -14.3 | 30.0      |
| Naphthalene            | Ave           | 1.386   | 1.035  |         | 7.47           | 10.0            | -25.3 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.6622  | 0.5118 |         | 7.73           | 10.0            | -22.7 | 30.0      |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_003.d  
 Lims ID: CCVIS  
 Client ID:  
 Sample Type: CCVIS  
 Inject. Date: 25-Apr-2014 12:48:30 ALS Bottle#: 2 Worklist Smp#: 3  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-003  
 Misc. Info.: CCVIS  
 Operator ID: pad Instrument ID: CHW.i  
 Sublist: chrom-TO15\_LLNJ\_TO3\_W\_(v1)\*sub2  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:33:10 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 25-Apr-2014 13:34:20

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 1 Propene                      | 41  | 4.373        | 4.373            | 0.000            | 94 | 119646   | 10.0               | 11.3                 |       |
| 2 Dichlorodifluoromethane      | 85  | 4.469        | 4.469            | 0.000            | 99 | 863481   | 10.0               | 11.7                 |       |
| 6 Chlorodifluoromethane        | 51  | 4.533        | 4.533            | 0.000            | 74 | 333036   | 10.0               | 12.0                 |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  | 4.822        | 4.822            | 0.000            | 88 | 643483   | 10.0               | 10.3                 |       |
| 8 Chloromethane                | 50  | 5.015        | 5.015            | 0.000            | 99 | 125912   | 10.0               | 9.94                 |       |
| 9 Butane                       | 43  | 5.277        | 5.277            | 0.000            | 93 | 227213   | 10.0               | 11.1                 |       |
| 10 Vinyl chloride              | 62  | 5.335        | 5.335            | 0.000            | 82 | 180414   | 10.0               | 9.90                 |       |
| 11 Butadiene                   | 54  | 5.437        | 5.437            | 0.000            | 94 | 122262   | 10.0               | 10.9                 |       |
| 13 BFB                         |     |              |                  |                  |    |          |                    |                      |       |
| 12 Bromomethane                | 94  | 6.304        | 6.304            | 0.000            | 96 | 163469   | 10.0               | 8.68                 |       |
| 14 Chloroethane                | 64  | 6.587        | 6.587            | 0.000            | 98 | 95390    | 10.0               | 9.84                 |       |
| 15 2-Methylbutane              | 43  | 6.673        | 6.673            | 0.000            | 84 | 159455   | 10.0               | 10.2                 |       |
| 16 Vinyl bromide               | 106 | 7.069        | 7.069            | 0.000            | 96 | 229703   | 10.0               | 9.15                 |       |
| 17 Trichlorofluoromethane      | 101 | 7.186        | 7.186            | 0.000            | 98 | 862134   | 10.0               | 10.5                 |       |
| 18 Pentane                     | 43  | 7.347        | 7.347            | 0.000            | 93 | 230089   | 10.0               | 10.5                 |       |
| 19 Ethanol                     | 45  | 7.796        | 7.796            | 0.000            | 98 | 90249    | 15.0               | 19.6                 |       |
| 21 Ethyl ether                 | 59  | 7.935        | 7.935            | 0.000            | 91 | 116819   | 10.0               | 10.2                 |       |
| 22 Acrolein                    | 56  | 8.396        | 8.396            | 0.000            | 96 | 44013    | 10.0               | 9.12                 |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 | 8.433        | 8.433            | 0.000            | 93 | 463596   | 10.0               | 8.99                 |       |
| 24 1,1-Dichloroethene          | 96  | 8.503        | 8.503            | 0.000            | 93 | 203375   | 10.0               | 9.15                 |       |
| 25 Acetone                     | 43  | 8.743        | 8.743            | 0.000            | 84 | 268052   | 10.0               | 11.5                 |       |
| 26 Carbon disulfide            | 76  | 9.000        | 9.000            | 0.000            | 99 | 463628   | 10.0               | 9.06                 |       |
| 27 Isopropyl alcohol           | 45  | 9.016        | 9.016            | 0.000            | 89 | 180934   | 10.0               | 9.25                 |       |
| 29 3-Chloro-1-propene          | 41  | 9.391        | 9.391            | 0.000            | 78 | 176060   | 10.0               | 11.1                 |       |
| 30 Acetonitrile                | 41  | 9.524        | 9.524            | 0.000            | 96 | 72163    | 10.0               | 8.43                 |       |
| 31 Methylene Chloride          | 49  | 9.728        | 9.728            | 0.000            | 82 | 168812   | 10.0               | 10.4                 |       |
| 32 2-Methyl-2-propanol         | 59  | 9.893        | 9.893            | 0.000            | 98 | 350048   | 10.0               | 9.86                 |       |
| 33 Methyl tert-butyl ether     | 73  | 10.145       | 10.145           | 0.000            | 94 | 675769   | 10.0               | 11.5                 |       |
| S 41 1,2-Dichloroethene, Total | 61  |              |                  |                  | 0  |          | 20.0               | 19.8                 |       |
| 34 trans-1,2-Dichloroethene    | 61  | 10.220       | 10.220           | 0.000            | 93 | 280718   | 10.0               | 10.5                 |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.)   | Dlt RT (min.) | Q  | Response  | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|-----------------|---------------|----|-----------|-----------------|-------------------|-------|
| 35 Acrylonitrile               | 53  | 10.370    | 10.370          | 0.000         | 92 | 93572     | 10.0            | 9.39              |       |
| 36 Hexane                      | 57  | 10.642    | 10.642          | 0.000         | 87 | 237227    | 10.0            | 10.5              |       |
| 37 1,1-Dichloroethane          | 63  | 11.188    | 11.188          | 0.000         | 94 | 340832    | 10.0            | 9.45              |       |
| 38 Vinyl acetate               | 43  | 11.226    | 11.226          | 0.000         | 98 | 377158    | 10.0            | 11.3              |       |
| 39 cis-1,2-Dichloroethene      | 96  | 12.365    | 12.365          | 0.000         | 98 | 219406    | 10.0            | 9.35              |       |
| 40 2-Butanone (MEK)            | 72  | 12.381    | 12.381          | 0.000         | 99 | 89233     | 10.0            | 9.02              |       |
| 42 Ethyl acetate               | 88  | 12.408    | 12.408          | 0.000         | 96 | 17497     | 10.0            | 9.10              |       |
| 44 Tetrahydrofuran             | 42  | 12.841    | 12.841          | 0.000         | 84 | 137144    | 10.0            | 9.33              |       |
| * 43 Chlorobromomethane        | 128 | 12.846    | 12.846          | 0.000         | 69 | 160827    | 10.0            | 10.0              |       |
| 45 Chloroform                  | 83  | 12.959    | 12.959          | 0.000         | 99 | 522556    | 10.0            | 9.70              |       |
| 46 Cyclohexane                 | 84  | 13.253    | 13.253          | 0.000         | 84 | 281622    | 10.0            | 9.93              |       |
| 47 1,1,1-Trichloroethane       | 97  | 13.264    | 13.264          | 0.000         | 94 | 662853    | 10.0            | 10.2              |       |
| 48 Carbon tetrachloride        | 117 | 13.521    | 13.521          | 0.000         | 99 | 731372    | 10.0            | 9.88              |       |
| 51 Isooctane                   | 57  | 13.911    | 13.911          | 0.000         | 96 | 797010    | 10.0            | 10.6              |       |
| 50 Benzene                     | 78  | 13.975    | 13.975          | 0.000         | 95 | 594758    | 10.0            | 8.79              |       |
| 52 1,2-Dichloroethane          | 62  | 14.136    | 14.136          | 0.000         | 98 | 381762    | 10.0            | 11.1              |       |
| 53 n-Heptane                   | 43  | 14.264    | 14.264          | 0.000         | 80 | 258957    | 10.0            | 11.0              |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735    | 14.735          | 0.000         | 94 | 776562    | 10.0            | 10.0              |       |
| A 57 GRO                       | 1   | 14.759    | (6.663-22.855)  |               | 0  | 92557643  | 10.0            | 0                 |       |
| 55 n-Butanol                   | 56  | 15.018    | 15.018          | 0.000         | 87 | 69755     | 10.0            | 8.31              |       |
| 56 Trichloroethene             | 95  | 15.200    | 15.200          | 0.000         | 97 | 325009    | 10.0            | 9.33              |       |
| 58 1,2-Dichloropropane         | 63  | 15.714    | 15.714          | 0.000         | 78 | 187842    | 10.0            | 9.11              |       |
| 59 Methyl methacrylate         | 69  | 15.800    | 15.800          | 0.000         | 79 | 206108    | 10.0            | 9.64              |       |
| 60 1,4-Dioxane                 | 88  | 15.890    | 15.890          | 0.000         | 88 | 89826     | 10.0            | 7.58              |       |
| 61 Dibromomethane              | 174 | 15.960    | 15.960          | 0.000         | 91 | 334819    | 10.0            | 7.84              |       |
| 62 Dichlorobromomethane        | 83  | 16.211    | 16.211          | 0.000         | 98 | 603040    | 10.0            | 10.1              |       |
| A 63 TVOC as Toluene           | 1   | 16.618    | (4.363-28.874)  |               | 0  | 161380004 | 10.0            | 2865.6            |       |
| 64 cis-1,3-Dichloropropene     | 75  | 17.073    | 17.073          | 0.000         | 89 | 356824    | 10.0            | 10.6              |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.308    | 17.308          | 0.000         | 91 | 355957    | 10.0            | 10.8              |       |
| A 68 C8 Range                  | 1   | 17.645    | (17.595-17.695) |               | 0  | 3787094   | NC              | NC                |       |
| 69 n-Octane                    | 43  | 17.645    | 17.645          | 0.000         | 80 | 359088    | 10.0            | 11.5              |       |
| A 67 Toluene Range             | 1   | 17.651    | (17.611-17.691) |               | 0  | 3787094   | NC              | NC                |       |
| 66 Toluene                     | 92  | 17.651    | 17.651          | 0.000         | 93 | 487600    | 10.0            | 9.23              |       |
| 70 trans-1,3-Dichloropropene   | 75  | 18.180    | 18.180          | 0.000         | 97 | 421311    | 10.0            | 10.9              |       |
| 71 1,1,2-Trichloroethane       | 83  | 18.549    | 18.549          | 0.000         | 89 | 221278    | 10.0            | 8.40              |       |
| 72 Tetrachloroethene           | 166 | 18.688    | 18.688          | 0.000         | 98 | 522581    | 10.0            | 7.95              |       |
| 73 2-Hexanone                  | 43  | 18.934    | 18.934          | 0.000         | 93 | 311730    | 10.0            | 10.5              |       |
| 74 Chlorodibromomethane        | 129 | 19.304    | 19.304          | 0.000         | 96 | 661041    | 10.0            | 9.04              |       |
| 75 Ethylene Dibromide          | 107 | 19.587    | 19.587          | 0.000         | 98 | 471761    | 10.0            | 8.83              |       |
| S 82 Xylenes, Total            | 106 |           |                 |               | 0  |           | 30.0            | 28.8              |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432    | 20.432          | 0.000         | 66 | 728312    | 10.0            | 10.0              |       |
| 77 Chlorobenzene               | 112 | 20.491    | 20.491          | 0.000         | 93 | 715570    | 10.0            | 8.10              |       |
| 78 Ethylbenzene                | 91  | 20.604    | 20.604          | 0.000         | 96 | 1202511   | 10.0            | 9.74              |       |
| 79 n-Nonane                    | 57  | 20.657    | 20.657          | 0.000         | 78 | 420606    | 10.0            | 10.2              |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.818    | 20.818          | 0.000         | 98 | 941481    | 20.0            | 18.9              |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534          | 0.000         | 93 | 466198    | 10.0            | 9.92              |       |
| 84 Styrene                     | 104 | 21.572    | 21.572          | 0.000         | 93 | 718429    | 10.0            | 10.3              |       |
| 85 Bromoform                   | 173 | 21.952    | 21.952          | 0.000         | 97 | 663545    | 10.0            | 9.02              |       |
| 86 Isopropylbenzene            | 105 | 22.096    | 22.096          | 0.000         | 97 | 1498071   | 10.0            | 10.4              |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433    | 22.433          | 0.000         | 90 | 590592    | NC              | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  | 22.663    | 22.663          | 0.000         | 92 | 597802    | 10.0            | 8.35              |       |
| 90 N-Propylbenzene             | 91  | 22.733    | 22.733          | 0.000         | 99 | 1723923   | 10.0            | 10.3              |       |

| Compound                   | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|----------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 89 1,2,3-Trichloropropane  | 75  | 22.759       | 22.759           | 0.000            | 94 | 530588   | 10.0               | 9.63                 |       |
| 93 n-Decane                | 57  | 22.845       | 22.845           | 0.000            | 82 | 582300   | 10.0               | 10.1                 |       |
| 91 4-Ethyltoluene          | 105 | 22.899       | 22.899           | 0.000            | 86 | 1549204  | 10.0               | 9.64                 |       |
| 92 2-Chlorotoluene         | 91  | 22.936       | 22.936           | 0.000            | 91 | 1361683  | 10.0               | 9.69                 |       |
| 94 1,3,5-Trimethylbenzene  | 105 | 22.990       | 22.990           | 0.000            | 91 | 1435093  | 10.0               | 9.64                 |       |
| 95 Alpha Methyl Styrene    | 118 | 23.343       | 23.343           | 0.000            | 87 | 639359   | 10.0               | 10.3                 |       |
| 96 tert-Butylbenzene       | 119 | 23.466       | 23.466           | 0.000            | 88 | 1397336  | 10.0               | 9.67                 |       |
| 97 1,2,4-Trimethylbenzene  | 105 | 23.562       | 23.562           | 0.000            | 97 | 1439524  | 10.0               | 10.1                 |       |
| 98 sec-Butylbenzene        | 105 | 23.797       | 23.797           | 0.000            | 97 | 1939733  | 10.0               | 9.91                 |       |
| 99 4-Isopropyltoluene      | 119 | 24.001       | 24.001           | 0.000            | 85 | 1732277  | 10.0               | 10.1                 |       |
| 100 1,3-Dichlorobenzene    | 146 | 24.070       | 24.070           | 0.000            | 95 | 887302   | 10.0               | 8.57                 |       |
| 101 1,4-Dichlorobenzene    | 146 | 24.215       | 24.215           | 0.000            | 95 | 840854   | 10.0               | 8.73                 |       |
| 102 Benzyl chloride        | 91  | 24.423       | 24.423           | 0.000            | 98 | 903888   | 10.0               | 10.4                 |       |
| 104 Undecane               | 57  | 24.616       | 24.616           | 0.000            | 88 | 610853   | 10.0               | 10.5                 |       |
| 103 n-Butylbenzene         | 91  | 24.637       | 24.637           | 0.000            | 98 | 1324434  | 10.0               | 10.1                 |       |
| 105 1,2-Dichlorobenzene    | 146 | 24.819       | 24.819           | 0.000            | 96 | 849366   | 10.0               | 8.43                 |       |
| 106 Dodecane               | 57  | 26.413       | 26.413           | 0.000            | 90 | 395487   | 10.0               | 10.3                 |       |
| 107 1,2,4-Trichlorobenzene | 180 | 27.708       | 27.708           | 0.000            | 95 | 374788   | 10.0               | 7.24                 |       |
| 108 Hexachlorobutadiene    | 225 | 27.911       | 27.911           | 0.000            | 93 | 701190   | 10.0               | 8.57                 |       |
| 109 Naphthalene            | 128 | 28.296       | 28.296           | 0.000            | 99 | 753558   | 10.0               | 7.47                 |       |
| 110 1,2,3-Trichlorobenzene | 180 | 28.864       | 28.864           | 0.000            | 94 | 372686   | 10.0               | 7.73                 |       |



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_003.d

Injection Date: 25-Apr-2014 12:48:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

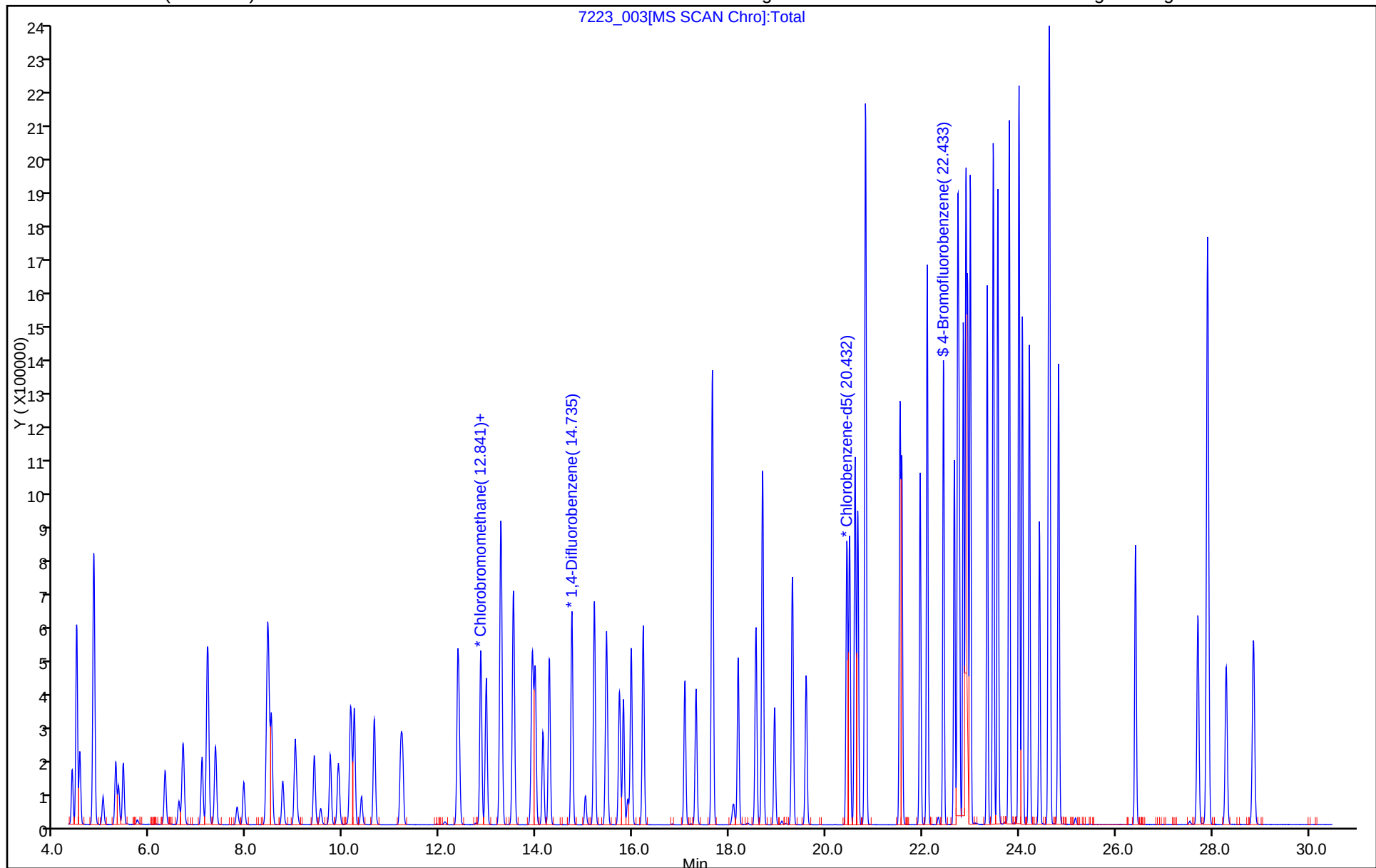
ALS Bottle#: 2

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099\_001.d  
Lims ID: BFB Lab Sample ID:  
Client ID:  
Sample Type: BFB  
Inject. Date: 11-Feb-2014 16:00:30 ALS Bottle#: 1 Worklist Smp#: 1  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Sample Info: 200-0006099-001  
Misc. Info.: BFB  
Operator ID: PAD Instrument ID: CHW.i  
Method: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
Limit Group: AI\_TO15\_ICAL  
Last Update: 12-Feb-2014 12:46:49 Calib Date: 12-Feb-2014 00:55:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal/External Standard Quant By: Initial Calibration  
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
Process Host: XAWRK048

First Level Reviewer: lyonsb

Date: 12-Feb-2014 12:46:49

| Compound | Sig | RT | ADJ<br>RT | DLT<br>RT | Q | Response | On-Col Amt<br>ppb v/v | Flags |
|----------|-----|----|-----------|-----------|---|----------|-----------------------|-------|
|----------|-----|----|-----------|-----------|---|----------|-----------------------|-------|

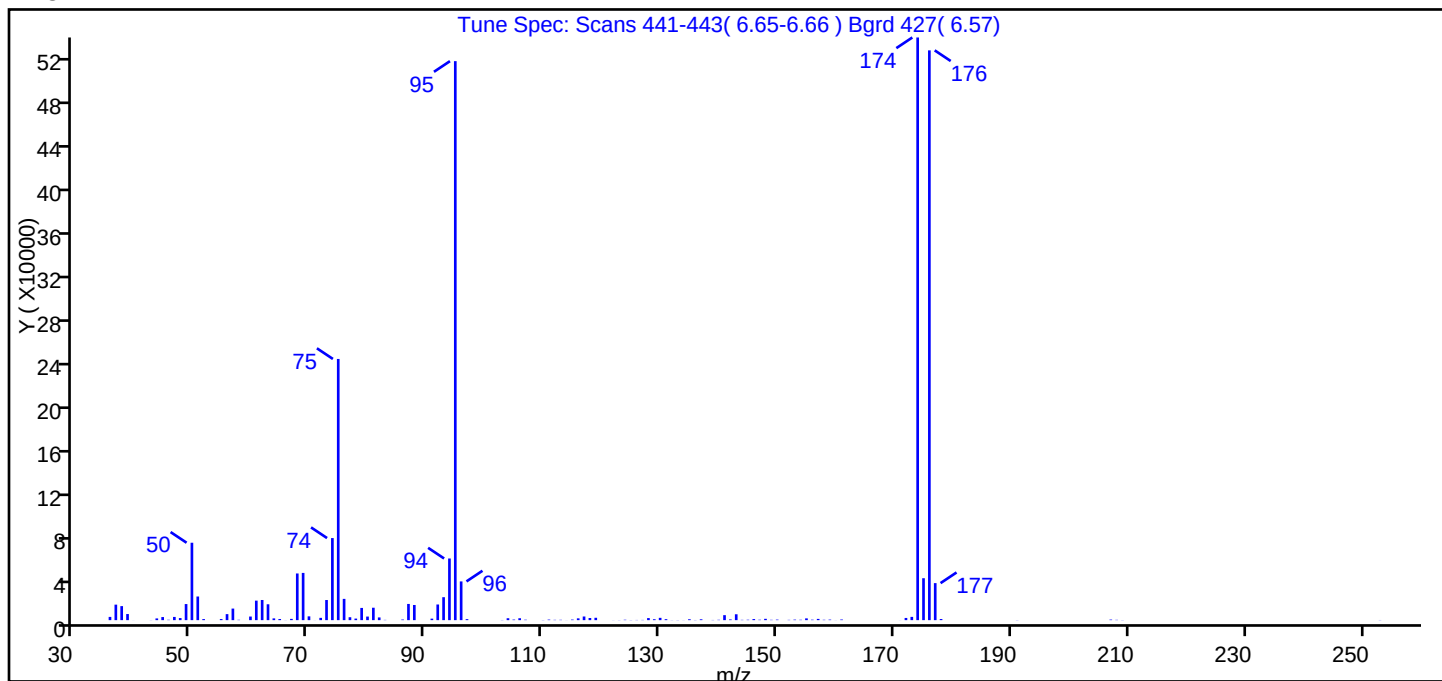
13 BFB

|                            |     |        |
|----------------------------|-----|--------|
| * 43 Chlorobromomethane    | 128 | 12.852 |
| * 54 1,4-Difluorobenzene   | 114 | 14.745 |
| * 76 Chlorobenzene-d5      | 117 | 20.443 |
| \$ 87 4-Bromofluorobenzene | 95  | 22.444 |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099\_001.d  
Injection Date: 11-Feb-2014 16:00:30 Instrument ID: CHW.i  
Lims ID: BFB Lab Sample ID:  
Client ID:  
Operator ID: PAD ALS Bottle#: 1 Worklist Smp#: 1  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Tune Method: BFB Method TO-15

13 BFB



| m/z | Ion Abundance Criteria             | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 8.00 - 40.00% of mass 95           | 13.80                |
| 75  | 30.00 - 66.00% of mass 95          | 46.70                |
| 96  | 5.00 - 9.00% of mass 95            | 6.90                 |
| 173 | Less than 2.00% of mass 174        | 0.60 ( 0.60)         |
| 174 | 50.00 - 120.00% of mass 95         | 104.20               |
| 175 | 4.00 - 9.00% of mass 174           | 7.50 ( 7.20)         |
| 176 | 93.00 - 101.00% of mass 174        | 101.90 ( 97.80)      |
| 177 | 5.00 - 9.00% of mass 176           | 6.60 ( 6.50)         |

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6099\_001.d\TO15\_LLNJ\_TO3\_W\_(v1).rslt\spectra.d  
Injection Date: 11-Feb-2014 16:00:30  
Spectrum: Tune Spec: Scans 441-443( 6.65-6.66 ) Bgrd 427( 6.57)  
Base Peak: 174.00  
Minimum % Base Peak: 0  
Number of Points: 119

| m/z   | Y     | m/z    | Y      | m/z    | Y    | m/z    | Y      |
|-------|-------|--------|--------|--------|------|--------|--------|
| 36.00 | 2973  | 71.00  | 52     | 112.00 | 282  | 145.00 | 383    |
| 37.00 | 14243 | 72.00  | 2103   | 113.00 | 308  | 146.00 | 989    |
| 38.00 | 12893 | 73.00  | 18496  | 114.00 | 51   | 147.00 | 384    |
| 39.00 | 5605  | 74.00  | 75440  | 115.00 | 521  | 148.00 | 1222   |
| 40.00 | 37    | 75.00  | 240064 | 116.00 | 1649 | 149.00 | 298    |
| 43.00 | 84    | 76.00  | 19544  | 117.00 | 3350 | 150.00 | 493    |
| 44.00 | 1576  | 77.00  | 2681   | 118.00 | 1970 | 152.00 | 268    |
| 45.00 | 2833  | 78.00  | 1433   | 119.00 | 2172 | 153.00 | 480    |
| 46.00 | 337   | 79.00  | 11232  | 122.00 | 68   | 154.00 | 351    |
| 47.00 | 2955  | 80.00  | 3295   | 123.00 | 108  | 155.00 | 1616   |
| 48.00 | 1917  | 81.00  | 11418  | 124.00 | 364  | 156.00 | 428    |
| 49.00 | 14784 | 82.00  | 2494   | 125.00 | 134  | 157.00 | 1135   |
| 50.00 | 71152 | 83.00  | 232    | 126.00 | 180  | 158.00 | 339    |
| 51.00 | 21728 | 86.00  | 559    | 127.00 | 203  | 159.00 | 498    |
| 52.00 | 969   | 87.00  | 14891  | 128.00 | 1887 | 160.00 | 55     |
| 55.00 | 995   | 88.00  | 13928  | 129.00 | 835  | 161.00 | 581    |
| 56.00 | 5523  | 91.00  | 1374   | 130.00 | 2115 | 171.00 | 54     |
| 57.00 | 10632 | 92.00  | 14389  | 131.00 | 891  | 172.00 | 2014   |
| 58.00 | 324   | 93.00  | 21096  | 132.00 | 93   | 173.00 | 2988   |
| 60.00 | 3313  | 94.00  | 56664  | 133.00 | 127  | 174.00 | 535552 |
| 61.00 | 17928 | 95.00  | 513792 | 134.00 | 71   | 175.00 | 38536  |
| 62.00 | 18520 | 96.00  | 35592  | 135.00 | 806  | 176.00 | 523712 |
| 63.00 | 14591 | 97.00  | 911    | 136.00 | 144  | 177.00 | 34032  |
| 64.00 | 1614  | 103.00 | 141    | 137.00 | 771  | 178.00 | 1020   |
| 65.00 | 1027  | 104.00 | 1756   | 139.00 | 172  | 191.00 | 132    |
| 66.00 | 69    | 105.00 | 525    | 140.00 | 323  | 207.00 | 513    |
| 67.00 | 1159  | 106.00 | 1751   | 141.00 | 4581 | 208.00 | 274    |
| 68.00 | 42896 | 107.00 | 391    | 142.00 | 643  | 209.00 | 124    |
| 69.00 | 43408 | 110.00 | 128    | 143.00 | 5401 | 253.00 | 142    |
| 70.00 | 3488  | 111.00 | 507    | 144.00 | 274  |        |        |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_001.d  
Lims ID: BFB  
Client ID:  
Sample Type: BFB  
Inject. Date: 25-Apr-2014 10:44:30 ALS Bottle#: 1 Worklist Smp#: 1  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Sample Info: 200-0007223-001  
Misc. Info.: BFB  
Operator ID: pad Instrument ID: CHW.i  
Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
Limit Group: AI\_TO15\_ICAL  
Last Update: 28-Apr-2014 11:33:15 Calib Date: 12-Feb-2014 00:55:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
Process Host: XAWRK047

| Compound | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|----------|-----|--------------|------------------|------------------|---|----------|--------------------|----------------------|-------|
|----------|-----|--------------|------------------|------------------|---|----------|--------------------|----------------------|-------|

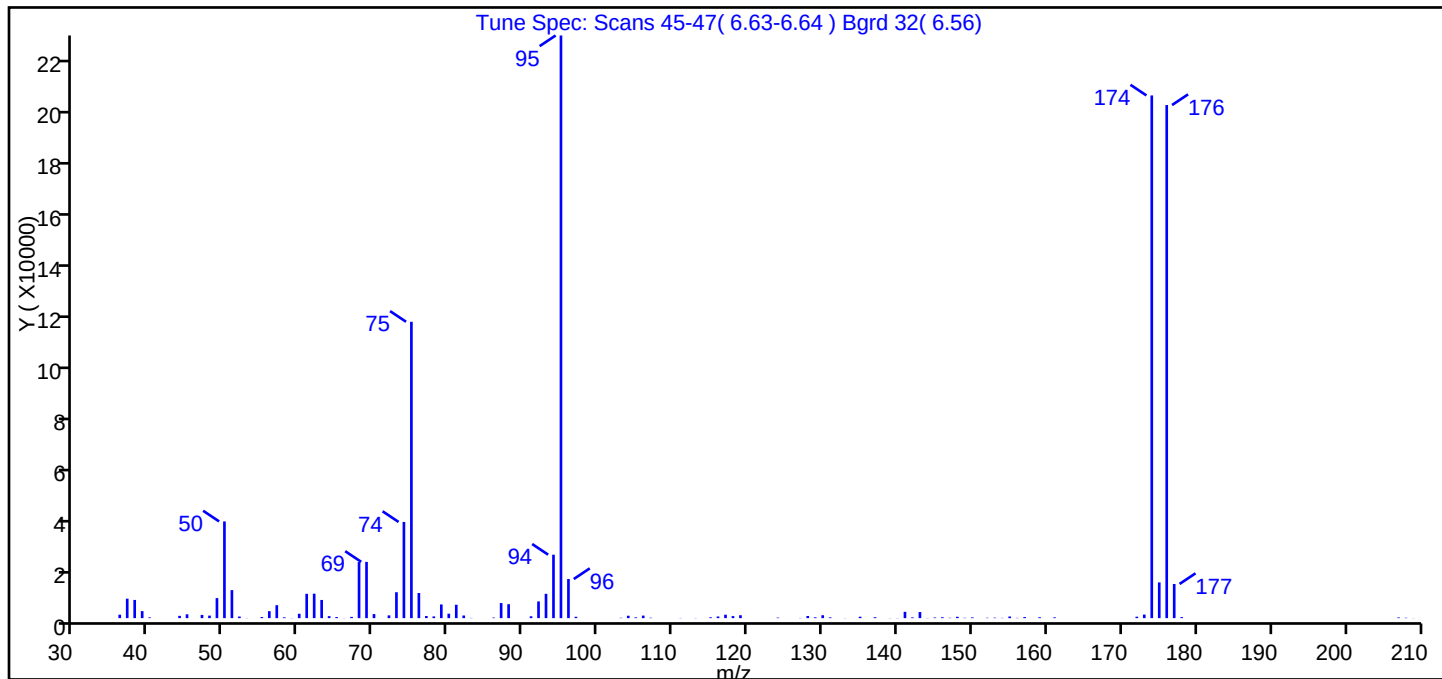
13 BFB

|                            |     |        |  |  |  |  |  |  |  |
|----------------------------|-----|--------|--|--|--|--|--|--|--|
| * 43 Chlorobromomethane    | 128 | 12.852 |  |  |  |  |  |  |  |
| * 54 1,4-Difluorobenzene   | 114 | 14.735 |  |  |  |  |  |  |  |
| * 76 Chlorobenzene-d5      | 117 | 20.432 |  |  |  |  |  |  |  |
| \$ 87 4-Bromofluorobenzene | 95  | 22.438 |  |  |  |  |  |  |  |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_001.d  
Injection Date: 25-Apr-2014 10:44:30 Instrument ID: CHW.i  
Lims ID: BFB  
Client ID:  
Operator ID: pad ALS Bottle#: 1 Worklist Smp#: 1  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Tune Method: BFB Method TO-15

## 13 BFB



| m/z | Ion Abundance Criteria             | % Relative Abundance |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 8.00 - 40.00% of mass 95           | 16.60                |
| 75  | 30.00 - 66.00% of mass 95          | 50.90                |
| 96  | 5.00 - 9.00% of mass 95            | 6.70                 |
| 173 | Less than 2.00% of mass 174        | 0.60 ( 0.70)         |
| 174 | 50.00 - 120.00% of mass 95         | 89.70                |
| 175 | 4.00 - 9.00% of mass 174           | 6.10 ( 6.80)         |
| 176 | 93.00 - 101.00% of mass 174        | 88.10 ( 98.20)       |
| 177 | 5.00 - 9.00% of mass 176           | 5.90 ( 6.70)         |

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_001.d\TO15\_LLNJ\_TO3\_W\_(v1).rslt\spectra.d  
 Injection Date: 25-Apr-2014 10:44:30  
 Spectrum: Tune Spec: Scans 45-47( 6.63-6.64 ) Bgrd 32( 6.56)  
 Base Peak: 95.00  
 Minimum % Base Peak: 0  
 Number of Points: 103

| m/z   | Y     | m/z   | Y      | m/z    | Y    | m/z    | Y      |
|-------|-------|-------|--------|--------|------|--------|--------|
| 36.00 | 1344  | 67.00 | 475    | 103.00 | 134  | 144.00 | 61     |
| 37.00 | 7541  | 68.00 | 21712  | 104.00 | 928  | 145.00 | 244    |
| 38.00 | 7056  | 69.00 | 21800  | 105.00 | 302  | 146.00 | 339    |
| 39.00 | 2725  | 70.00 | 1576   | 106.00 | 991  | 147.00 | 127    |
| 40.00 | 282   | 72.00 | 1071   | 107.00 | 162  | 148.00 | 524    |
| 44.00 | 885   | 73.00 | 10046  | 111.00 | 70   | 149.00 | 126    |
| 45.00 | 1487  | 74.00 | 37264  | 113.00 | 66   | 150.00 | 289    |
| 47.00 | 1250  | 75.00 | 114816 | 115.00 | 326  | 152.00 | 144    |
| 48.00 | 979   | 76.00 | 9741   | 116.00 | 640  | 153.00 | 187    |
| 49.00 | 7774  | 77.00 | 828    | 117.00 | 1333 | 154.00 | 100    |
| 50.00 | 37472 | 78.00 | 669    | 118.00 | 798  | 155.00 | 627    |
| 51.00 | 10862 | 79.00 | 5300   | 119.00 | 1126 | 156.00 | 108    |
| 52.00 | 621   | 80.00 | 1717   | 124.00 | 208  | 157.00 | 423    |
| 53.00 | 67    | 81.00 | 5182   | 127.00 | 79   | 159.00 | 344    |
| 55.00 | 417   | 82.00 | 1023   | 128.00 | 837  | 161.00 | 305    |
| 56.00 | 2695  | 83.00 | 84     | 129.00 | 331  | 172.00 | 565    |
| 57.00 | 5024  | 86.00 | 220    | 130.00 | 1130 | 173.00 | 1385   |
| 58.00 | 309   | 87.00 | 5844   | 131.00 | 295  | 174.00 | 202496 |
| 59.00 | 55    | 88.00 | 5408   | 133.00 | 54   | 175.00 | 13850  |
| 60.00 | 1697  | 91.00 | 718    | 135.00 | 552  | 176.00 | 198784 |
| 61.00 | 9426  | 92.00 | 6472   | 137.00 | 361  | 177.00 | 13234  |
| 62.00 | 9474  | 93.00 | 9434   | 139.00 | 56   | 178.00 | 389    |
| 63.00 | 7049  | 94.00 | 24584  | 140.00 | 66   | 207.00 | 260    |
| 64.00 | 775   | 95.00 | 225728 | 141.00 | 2448 | 208.00 | 150    |
| 65.00 | 415   | 96.00 | 15155  | 142.00 | 297  | 209.00 | 50     |
| 66.00 | 60    | 97.00 | 535    | 143.00 | 2359 |        |        |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6

Matrix: Air Lab File ID: 7223\_006.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03

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.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|---|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.080  | U | 0.50 | 0.030 |
| 75-45-6   | Freon 22                      | 86.47            | 0.080  | U | 0.50 | 0.048 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.080  | U | 0.20 | 0.035 |
| 74-87-3   | Chloromethane                 | 50.49            | 0.50   | U | 0.50 | 0.14  |
| 106-97-8  | n-Butane                      | 58.12            | 0.50   | U | 0.50 | 0.28  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.080  | U | 0.20 | 0.038 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.080  | U | 0.20 | 0.042 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.080  | U | 0.20 | 0.028 |
| 75-00-3   | Chloroethane                  | 64.52            | 0.080  | U | 0.50 | 0.030 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.080  | U | 0.20 | 0.030 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.080  | U | 0.20 | 0.030 |
| 76-13-1   | Freon TF                      | 187.38           | 0.030  | U | 0.20 | 0.018 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.080  | U | 0.20 | 0.024 |
| 67-64-1   | Acetone                       | 58.08            | 2.5    | U | 5.0  | 1.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 0.50   | U | 5.0  | 0.22  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.20   | U | 0.50 | 0.066 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.080  | U | 0.50 | 0.034 |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.20   | U | 0.50 | 0.13  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 0.50   | U | 5.0  | 0.33  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.080  | U | 0.20 | 0.022 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.080  | U | 0.20 | 0.029 |
| 110-54-3  | n-Hexane                      | 86.17            | 0.0843 | J | 0.20 | 0.034 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.080  | U | 0.20 | 0.038 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 0.50   | U | 0.50 | 0.24  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.080  | U | 0.20 | 0.038 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.080  | U | 0.20 | 0.064 |
| 67-66-3   | Chloroform                    | 119.38           | 0.080  | U | 0.20 | 0.025 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.080  | U | 5.0  | 0.046 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.080  | U | 0.20 | 0.021 |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.080  | U | 0.20 | 0.025 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.080  | U | 0.20 | 0.021 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.080  | U | 0.20 | 0.027 |
| 71-43-2   | Benzene                       | 78.11            | 0.030  | U | 0.20 | 0.019 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.030  | U | 0.20 | 0.017 |



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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6

Matrix: Air Lab File ID: 7223\_006.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03

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.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL     |
|-------------|----------------------------------|------------------|--------|-----|------|--------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.0503 | J M | 0.20 | 0.046  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.080  | U   | 0.20 | 0.024  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.080  | U   | 0.50 | 0.030  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.080  | U   | 0.20 | 0.032  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.20   | U   | 5.0  | 0.20   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.030  | U   | 0.20 | 0.017  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.080  | U   | 0.20 | 0.028  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.080  | U   | 0.50 | 0.027  |
| 108-88-3    | Toluene                          | 92.14            | 0.030  | U   | 0.20 | 0.017  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.080  | U   | 0.20 | 0.022  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.030  | U   | 0.20 | 0.017  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.030  | U   | 0.20 | 0.016  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.20   | U   | 0.50 | 0.20   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.030  | U   | 0.20 | 0.020  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.080  | U   | 0.20 | 0.020  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.030  | U   | 0.20 | 0.0081 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.030  | U   | 0.20 | 0.013  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.080  | U   | 0.50 | 0.023  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.030  | U   | 0.20 | 0.016  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.080  | U   | 0.20 | 0.034  |
| 100-42-5    | Styrene                          | 104.15           | 0.030  | U   | 0.20 | 0.018  |
| 75-25-2     | Bromoform                        | 252.75           | 0.030  | U   | 0.20 | 0.010  |
| 98-82-8     | Cumene                           | 120.19           | 0.030  | U   | 0.20 | 0.016  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.030  | U   | 0.20 | 0.016  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.080  | U   | 0.20 | 0.080  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.030  | U   | 0.20 | 0.018  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.030  | U   | 0.20 | 0.012  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.030  | U   | 0.20 | 0.013  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.030  | U   | 0.20 | 0.017  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.030  | U   | 0.20 | 0.014  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.080  | U   | 0.20 | 0.080  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.080  | U   | 0.20 | 0.080  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.0338 | J   | 0.20 | 0.014  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.0439 | J M | 0.20 | 0.014  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6  
Matrix: Air Lab File ID: 7223\_006.d  
Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03  
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.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|----------|------------------------|------------------|--------|-----|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.080  | U   | 0.20 | 0.080 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.080  | U   | 0.20 | 0.080 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.0253 | J M | 0.20 | 0.014 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.0588 | J   | 0.50 | 0.027 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.080  | U   | 0.20 | 0.022 |
| 91-20-3  | Naphthalene            | 128.17           | 0.20   | U   | 0.50 | 0.20  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6

Matrix: Air Lab File ID: 7223\_006.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03

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.: 71232 Units: ug/m3

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|---|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 0.40   | U | 2.5  | 0.15  |
| 75-45-6   | Freon 22                      | 86.47            | 0.28   | U | 1.8  | 0.17  |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 0.56   | U | 1.4  | 0.24  |
| 74-87-3   | Chloromethane                 | 50.49            | 1.0    | U | 1.0  | 0.28  |
| 106-97-8  | n-Butane                      | 58.12            | 1.2    | U | 1.2  | 0.67  |
| 75-01-4   | Vinyl chloride                | 62.50            | 0.20   | U | 0.51 | 0.097 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 0.18   | U | 0.44 | 0.093 |
| 74-83-9   | Bromomethane                  | 94.94            | 0.31   | U | 0.78 | 0.11  |
| 75-00-3   | Chloroethane                  | 64.52            | 0.21   | U | 1.3  | 0.079 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 0.35   | U | 0.87 | 0.13  |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 0.45   | U | 1.1  | 0.17  |
| 76-13-1   | Freon TF                      | 187.38           | 0.23   | U | 1.5  | 0.14  |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 0.32   | U | 0.79 | 0.095 |
| 67-64-1   | Acetone                       | 58.08            | 5.9    | U | 12   | 3.0   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 1.2    | U | 12   | 0.53  |
| 75-15-0   | Carbon disulfide              | 76.14            | 0.62   | U | 1.6  | 0.21  |
| 107-05-1  | 3-Chloropropene               | 76.53            | 0.25   | U | 1.6  | 0.11  |
| 75-09-2   | Methylene Chloride            | 84.93            | 0.69   | U | 1.7  | 0.43  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 1.5    | U | 15   | 0.99  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 0.29   | U | 0.72 | 0.079 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 0.32   | U | 0.79 | 0.11  |
| 110-54-3  | n-Hexane                      | 86.17            | 0.297  | J | 0.70 | 0.12  |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 0.32   | U | 0.81 | 0.15  |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 1.5    | U | 1.5  | 0.71  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 0.32   | U | 0.79 | 0.15  |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 0.32   | U | 0.79 | 0.25  |
| 67-66-3   | Chloroform                    | 119.38           | 0.39   | U | 0.98 | 0.12  |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 0.24   | U | 15   | 0.14  |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 0.44   | U | 1.1  | 0.11  |
| 110-82-7  | Cyclohexane                   | 84.16            | 0.28   | U | 0.69 | 0.086 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 0.50   | U | 1.3  | 0.13  |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 0.37   | U | 0.93 | 0.13  |
| 71-43-2   | Benzene                       | 78.11            | 0.096  | U | 0.64 | 0.061 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 0.12   | U | 0.81 | 0.069 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6

Matrix: Air Lab File ID: 7223\_006.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03

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.: 71232 Units: ug/m3

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q   | LOQ  | DL    |
|-------------|----------------------------------|------------------|--------|-----|------|-------|
| 142-82-5    | n-Heptane                        | 100.21           | 0.206  | J M | 0.82 | 0.19  |
| 79-01-6     | Trichloroethene                  | 131.39           | 0.43   | U   | 1.1  | 0.13  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 0.33   | U   | 2.0  | 0.12  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 0.37   | U   | 0.92 | 0.15  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 0.72   | U   | 18   | 0.72  |
| 75-27-4     | Bromodichloromethane             | 163.83           | 0.20   | U   | 1.3  | 0.11  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 0.36   | U   | 0.91 | 0.13  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 0.33   | U   | 2.0  | 0.11  |
| 108-88-3    | Toluene                          | 92.14            | 0.11   | U   | 0.75 | 0.064 |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 0.36   | U   | 0.91 | 0.10  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 0.16   | U   | 1.1  | 0.093 |
| 127-18-4    | Tetrachloroethene                | 165.83           | 0.20   | U   | 1.4  | 0.11  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 0.82   | U   | 2.0  | 0.82  |
| 124-48-1    | Dibromochloromethane             | 208.29           | 0.26   | U   | 1.7  | 0.17  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 0.61   | U   | 1.5  | 0.15  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 0.14   | U   | 0.92 | 0.037 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 0.13   | U   | 0.87 | 0.056 |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 0.35   | U   | 2.2  | 0.10  |
| 95-47-6     | Xylene, o-                       | 106.17           | 0.13   | U   | 0.87 | 0.069 |
| 1330-20-7   | Xylene (total)                   | 106.17           | 0.35   | U   | 0.87 | 0.15  |
| 100-42-5    | Styrene                          | 104.15           | 0.13   | U   | 0.85 | 0.077 |
| 75-25-2     | Bromoform                        | 252.75           | 0.31   | U   | 2.1  | 0.10  |
| 98-82-8     | Cumene                           | 120.19           | 0.15   | U   | 0.98 | 0.079 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 0.21   | U   | 1.4  | 0.11  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 0.39   | U   | 0.98 | 0.39  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 0.15   | U   | 0.98 | 0.088 |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 0.15   | U   | 0.98 | 0.059 |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 0.16   | U   | 1.0  | 0.067 |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 0.16   | U   | 1.1  | 0.093 |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 0.15   | U   | 0.98 | 0.069 |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 0.44   | U   | 1.1  | 0.44  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 0.44   | U   | 1.1  | 0.44  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 0.203  | J   | 1.2  | 0.084 |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 0.264  | J M | 1.2  | 0.084 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-71232/6  
Matrix: Air Lab File ID: 7223\_006.d  
Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 16:03  
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.: 71232 Units: ug/m3

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q   | LOQ | DL    |
|----------|------------------------|------------------|--------|-----|-----|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 0.41   | U   | 1.0 | 0.41  |
| 104-51-8 | n-Butylbenzene         | 134.22           | 0.44   | U   | 1.1 | 0.44  |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 0.152  | J M | 1.2 | 0.084 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 0.436  | J   | 3.7 | 0.20  |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 0.85   | U   | 2.1 | 0.23  |
| 91-20-3  | Naphthalene            | 128.17           | 1.0    | U   | 2.6 | 1.0   |

TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 25-Apr-2014 16:03:30 ALS Bottle#: 3 Worklist Smp#: 6  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-006  
 Misc. Info.: MB  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 11:32:50 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 11:23:03

| Compound                      | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|-------------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 3 Difluoroethane TIC          | 51  |              | 3.150            |                  |    |          |                    |                      |       |
| 4 Chlorotrifluoroethene TIC   | 116 |              | 3.162            |                  |    |          |                    |                      |       |
| 5 Freon 115 TIC               | 85  |              | 3.180            |                  |    |          |                    |                      |       |
| 1 Propene                     | 41  |              | 4.383            |                  |    |          |                    |                      |       |
| 2 Dichlorodifluoromethane     | 85  |              | 4.474            |                  |    |          |                    |                      |       |
| 6 Chlorodifluoromethane       | 51  |              | 4.544            |                  |    |          |                    |                      |       |
| 7 1,2-Dichloro-1,1,2,2-tetra  | 85  |              | 4.827            |                  |    |          |                    |                      |       |
| 8 Chloromethane               | 50  |              | 5.025            |                  |    |          |                    |                      |       |
| 9 Butane                      | 43  |              | 5.287            |                  |    |          |                    |                      |       |
| 10 Vinyl chloride             | 62  |              | 5.341            |                  |    |          |                    |                      |       |
| 11 Butadiene                  | 54  |              | 5.448            |                  |    |          |                    |                      |       |
| 20 1,1,1-Trifluoro-2,2-dichlo | 83  |              | 6.000            |                  |    |          |                    |                      |       |
| 12 Bromomethane               | 94  |              | 6.314            |                  |    |          |                    |                      |       |
| 14 Chloroethane               | 64  |              | 6.587            |                  |    |          |                    |                      |       |
| 15 2-Methylbutane             | 43  | 6.678        | 6.678            | 0.000            | 26 | 718      |                    | 0.0470               |       |
| 16 Vinyl bromide              | 106 |              | 7.074            |                  |    |          |                    |                      |       |
| 17 Trichlorofluoromethane     | 101 |              | 7.186            |                  |    |          |                    |                      |       |
| 28 Methyl Acetate TIC         | 43  | 7.336        | 7.200            | 0.136            | 46 | 2910     |                    | NC                   |       |
| 18 Pentane                    | 43  | 7.336        | 7.347            | -0.011           | 66 | 2910     |                    | 0.1359               |       |
| 19 Ethanol                    | 45  |              | 7.812            |                  |    |          |                    |                      |       |
| 21 Ethyl ether                | 59  |              | 7.930            |                  |    |          |                    |                      |       |
| 22 Acrolein                   | 56  |              | 8.401            |                  |    |          |                    |                      |       |
| 23 1,1,2-Trichloro-1,2,2-trif | 101 |              | 8.428            |                  |    |          |                    |                      |       |
| 24 1,1-Dichloroethene         | 96  |              | 8.508            |                  |    |          |                    |                      |       |
| 25 Acetone                    | 43  |              | 8.743            |                  |    |          |                    |                      |       |
| 26 Carbon disulfide           | 76  |              | 9.000            |                  |    |          |                    |                      |       |
| 27 Isopropyl alcohol          | 45  |              | 9.043            |                  |    |          |                    |                      |       |
| 29 3-Chloro-1-propene         | 41  |              | 9.396            |                  |    |          |                    |                      |       |
| 30 Acetonitrile               | 41  |              | 9.530            |                  |    |          |                    |                      |       |
| 31 Methylene Chloride         | 49  |              | 9.722            |                  |    |          |                    |                      |       |
| 32 2-Methyl-2-propanol        | 59  |              | 9.909            |                  |    |          |                    |                      |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.)   | Dlt RT (min.) | Q  | Response | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|-----------------|---------------|----|----------|-----------------|-------------------|-------|
| 33 Methyl tert-butyl ether     | 73  |           | 10.155          |               |    |          |                 |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           | 10.200          |               |    |          |                 |                   |       |
| 34 trans-1,2-Dichloroethene    | 61  |           | 10.225          |               |    |          |                 |                   |       |
| 35 Acrylonitrile               | 53  |           | 10.375          |               |    |          |                 |                   |       |
| 36 Hexane                      | 57  | 10.631    | 10.642          | -0.011        | 54 | 1851     |                 | 0.0843            |       |
| 37 1,1-Dichloroethane          | 63  |           | 11.188          |               |    |          |                 |                   |       |
| 38 Vinyl acetate               | 43  |           | 11.231          |               |    |          |                 |                   |       |
| 49 Methyl cyclohexane TIC      | 55  |           | 11.500          |               |    |          |                 |                   |       |
| 39 cis-1,2-Dichloroethene      | 96  |           | 12.370          |               |    |          |                 |                   |       |
| 40 2-Butanone (MEK)            | 72  |           | 12.392          |               |    |          |                 |                   |       |
| 42 Ethyl acetate               | 88  |           | 12.402          |               |    |          |                 |                   |       |
| 44 Tetrahydrofuran             | 42  |           | 12.846          |               |    |          |                 |                   |       |
| * 43 Chlorobromomethane        | 128 | 12.841    | 12.852          | -0.011        | 73 | 156929   | 10.0            | 10.0              |       |
| 45 Chloroform                  | 83  |           | 12.959          |               |    |          |                 |                   |       |
| 46 Cyclohexane                 | 84  |           | 13.258          |               |    |          |                 |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 13.269          |               |    |          |                 |                   |       |
| 48 Carbon tetrachloride        | 117 |           | 13.520          |               |    |          |                 |                   |       |
| 51 Isooctane                   | 57  |           | 13.916          |               |    |          |                 |                   |       |
| 50 Benzene                     | 78  |           | 13.975          |               |    |          |                 |                   |       |
| 52 1,2-Dichloroethane          | 62  |           | 14.136          |               |    |          |                 |                   |       |
| 53 n-Heptane                   | 43  | 14.275    | 14.269          | 0.006         | 1  | 1185     |                 | 0.0503            | M     |
| * 54 1,4-Difluorobenzene       | 114 | 14.729    | 14.735          | -0.006        | 94 | 775713   | 10.0            | 10.0              |       |
| A 57 GRO                       | 1   | 14.759    | (6.668-22.855)  |               | 0  | 200653   |                 | 0                 |       |
| 55 n-Butanol                   | 56  |           | 15.029          |               |    |          |                 |                   |       |
| 56 Trichloroethene             | 95  |           | 15.200          |               |    |          |                 |                   |       |
| 58 1,2-Dichloropropane         | 63  |           | 15.725          |               |    |          |                 |                   |       |
| 59 Methyl methacrylate         | 69  |           | 15.805          |               |    |          |                 |                   |       |
| 60 1,4-Dioxane                 | 88  |           | 15.896          |               |    |          |                 |                   |       |
| 61 Dibromomethane              | 174 |           | 15.971          |               |    |          |                 |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 16.217          |               |    |          |                 |                   |       |
| A 63 TVOC as Toluene           | 1   | 16.618    | (4.373-28.879)  |               | 0  | 410610   |                 | 7.30              |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 17.073          |               |    |          |                 |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |           | 17.313          |               |    |          |                 |                   |       |
| A 68 C8 Range                  | 1   | 17.656    | (17.595-17.695) |               | 0  | 5786     |                 | NC                |       |
| 69 n-Octane                    | 43  | 17.645    | 17.645          | 0.000         | 35 | 1063     |                 | 0.0341            |       |
| A 67 Toluene Range             | 1   | 17.651    | (17.610-17.690) |               | 0  | 5786     |                 | NC                |       |
| 66 Toluene                     | 92  | 17.645    | 17.650          | -0.005        | 1  | 233      |                 | 0.004764          |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 18.180          |               |    |          |                 |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 18.555          |               |    |          |                 |                   |       |
| 72 Tetrachloroethene           | 166 |           | 18.688          |               |    |          |                 |                   |       |
| 73 2-Hexanone                  | 43  |           | 18.934          |               |    |          |                 |                   |       |
| 81 1,2-Dibromo-3-Chloropropan  | 75  |           | 19.300          |               |    |          |                 |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 19.309          |               |    |          |                 |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 19.592          |               |    |          |                 |                   |       |
| S 82 Xylenes, Total            | 106 |           |                 |               | 0  |          |                 | 0.0160            |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432    | 20.432          | 0.000         | 85 | 674376   | 10.0            | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 20.491          |               |    |          |                 |                   |       |
| 78 Ethylbenzene                | 91  |           | 20.603          |               |    |          |                 |                   |       |
| 79 n-Nonane                    | 57  | 20.673    | 20.662          | 0.011         | 0  | 1378     |                 | 0.0361            |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.823    | 20.823          | 0.000         | 0  | 607      |                 | 0.0132            |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534          | 0.000         | 1  | 123      |                 | 0.002828          |       |
| 84 Styrene                     | 104 |           | 21.572          |               |    |          |                 |                   |       |

| Compound                     | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|------------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 85 Bromoform                 | 173 |              | 21.952           |                  |    |          |                    |                      |       |
| 86 Isopropylbenzene          | 105 |              | 22.101           |                  |    |          |                    |                      |       |
| \$ 87 4-Bromofluorobenzene   | 95  | 22.433       | 22.438           | -0.005           | 91 | 455845   | NC                 | NC                   |       |
| 88 1,1,2,2-Tetrachloroethane | 83  |              | 22.663           |                  |    |          |                    |                      |       |
| 90 N-Propylbenzene           | 91  |              | 22.733           |                  |    |          |                    |                      |       |
| 89 1,2,3-Trichloropropane    | 75  |              | 22.765           |                  |    |          |                    |                      |       |
| 93 n-Decane                  | 57  | 22.839       | 22.845           | -0.006           | 1  | 768      |                    | 0.0144               |       |
| 91 4-Ethyltoluene            | 105 |              | 22.904           |                  |    |          |                    |                      |       |
| 92 2-Chlorotoluene           | 91  |              | 22.936           |                  |    |          |                    |                      |       |
| 94 1,3,5-Trimethylbenzene    | 105 |              | 22.995           |                  |    |          |                    |                      |       |
| 95 Alpha Methyl Styrene      | 118 |              | 23.343           |                  |    |          |                    |                      |       |
| 96 tert-Butylbenzene         | 119 |              | 23.471           |                  |    |          |                    |                      |       |
| 97 1,2,4-Trimethylbenzene    | 105 |              | 23.562           |                  |    |          |                    |                      |       |
| 98 sec-Butylbenzene          | 105 |              | 23.803           |                  |    |          |                    |                      |       |
| 99 4-Isopropyltoluene        | 119 |              | 24.001           |                  |    |          |                    |                      |       |
| 100 1,3-Dichlorobenzene      | 146 | 24.075       | 24.070           | 0.005            | 38 | 3236     |                    | 0.0338               |       |
| 101 1,4-Dichlorobenzene      | 146 | 24.225       | 24.215           | 0.011            | 41 | 3919     |                    | 0.0439               | M     |
| 102 Benzyl chloride          | 91  |              | 24.429           |                  |    |          |                    |                      |       |
| 104 Undecane                 | 57  |              | 24.616           |                  |    |          |                    |                      |       |
| 103 n-Butylbenzene           | 91  |              | 24.637           |                  |    |          |                    |                      |       |
| 105 1,2-Dichlorobenzene      | 146 | 24.830       | 24.824           | 0.006            | 9  | 2364     |                    | 0.0253               | M     |
| 106 Dodecane                 | 57  |              | 26.413           |                  |    |          |                    |                      |       |
| 107 1,2,4-Trichlorobenzene   | 180 | 27.708       | 27.708           | 0.000            | 9  | 2818     |                    | 0.0588               |       |
| 108 Hexachlorobutadiene      | 225 |              | 27.911           |                  |    |          |                    |                      |       |
| 109 Naphthalene              | 128 |              | 28.296           |                  |    |          |                    |                      |       |
| 110 1,2,3-Trichlorobenzene   | 180 |              | 28.869           |                  |    |          |                    |                      |       |

## QC Flag Legend

Review Flags

M - Manually Integrated



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

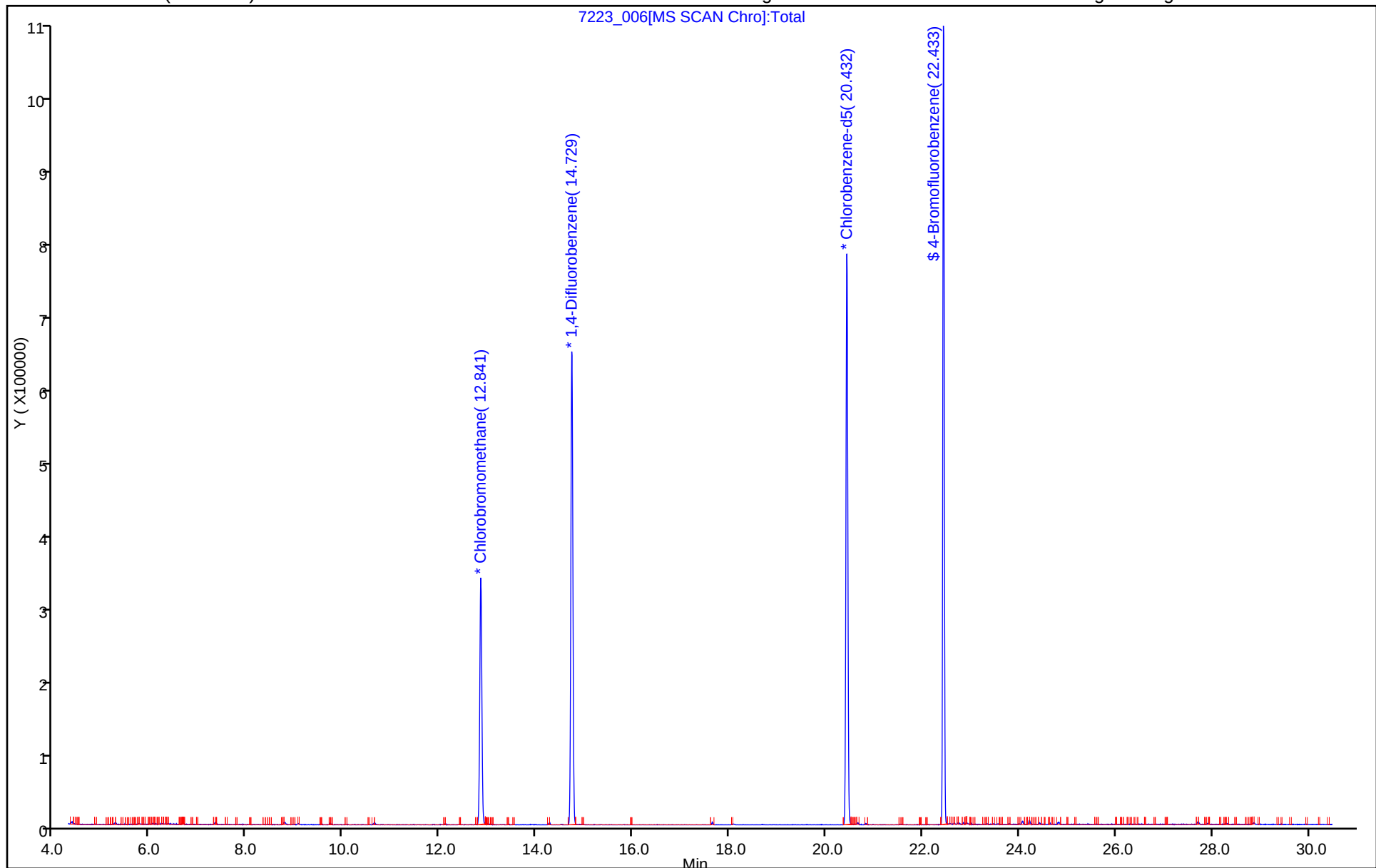
ALS Bottle#: 3

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

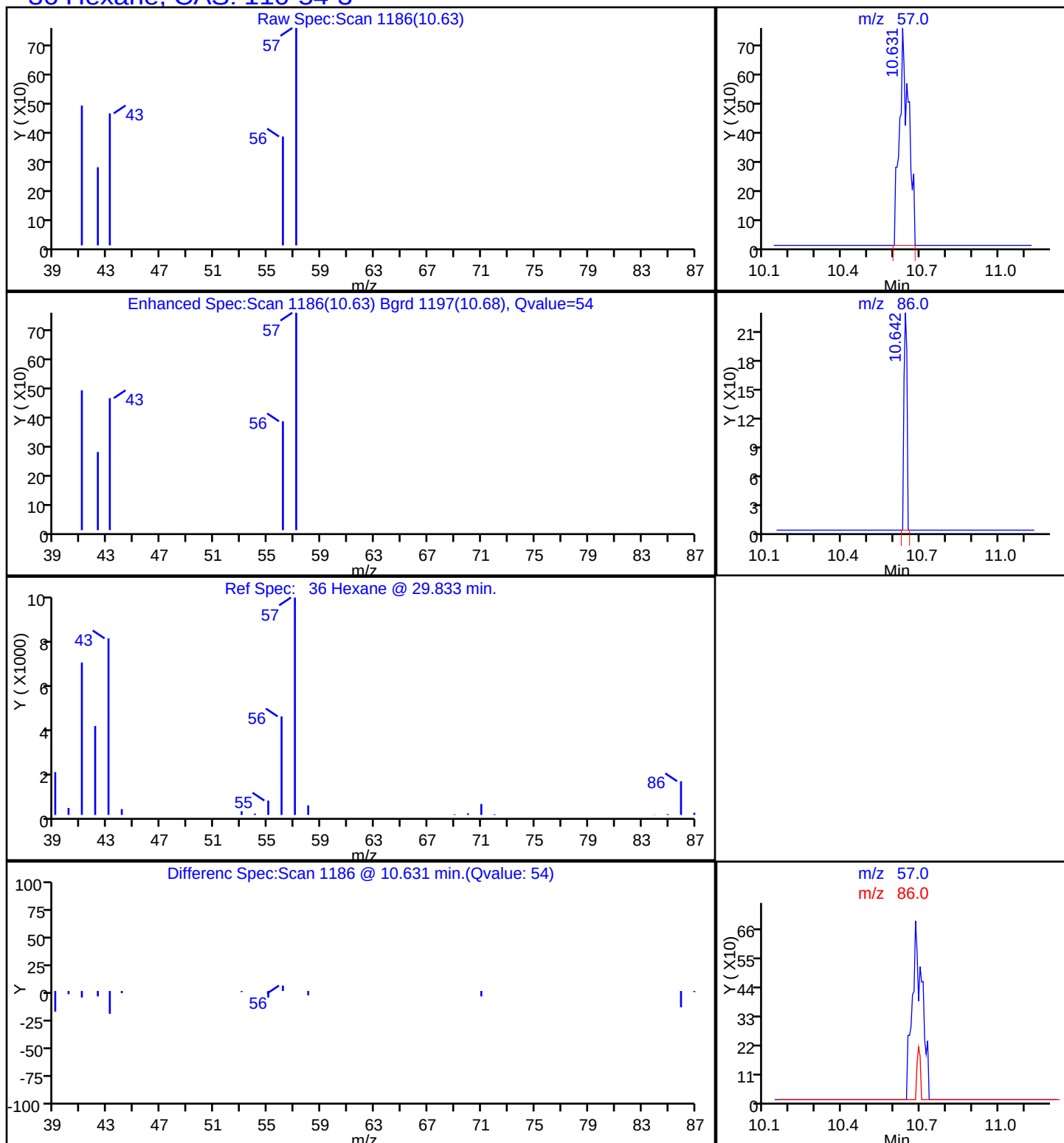
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 ( 0.32 mm)

Detector: MS SCAN

**36 Hexane, CAS: 110-54-3**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

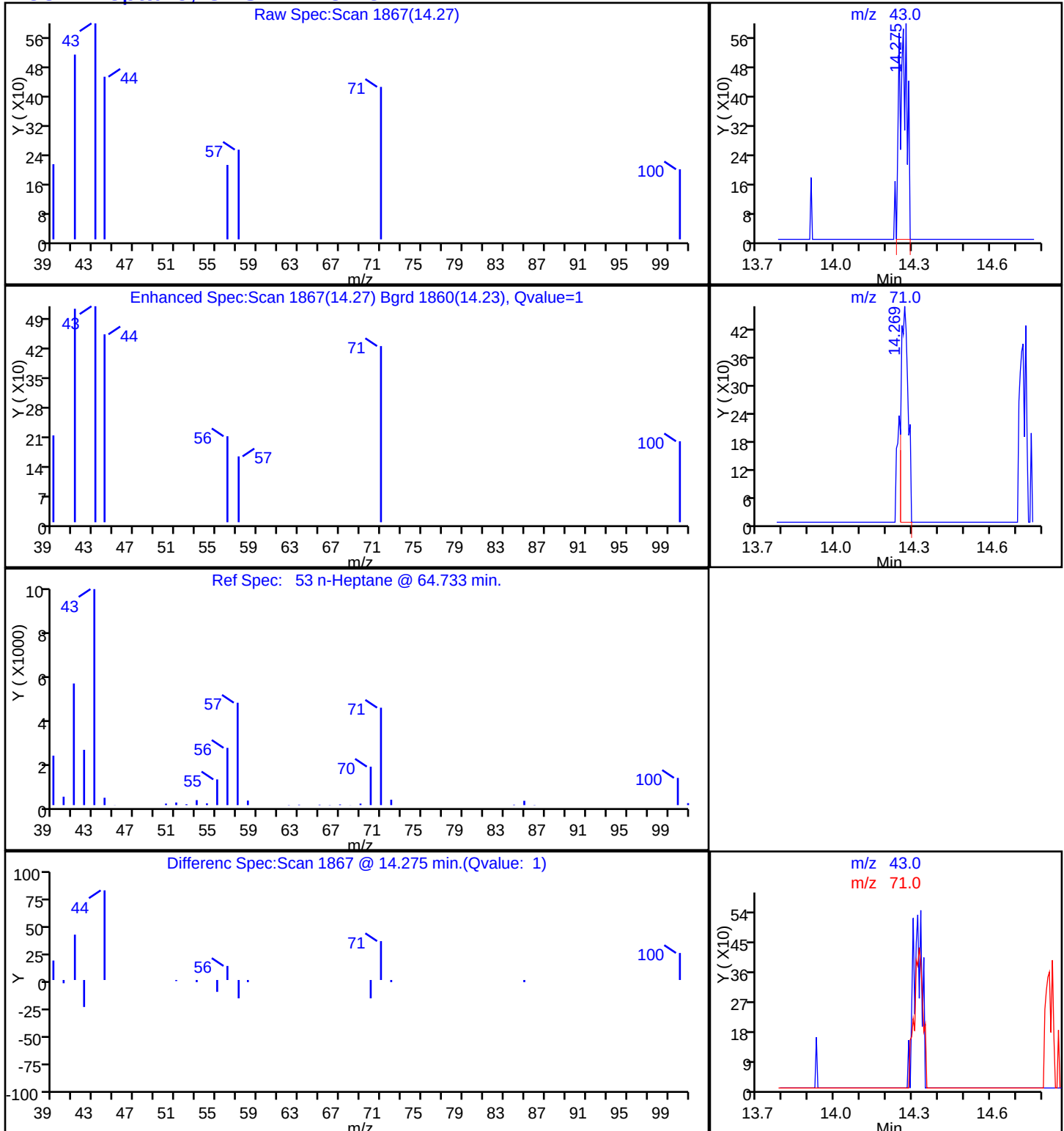
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**53 n-Heptane, CAS: 142-82-5**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

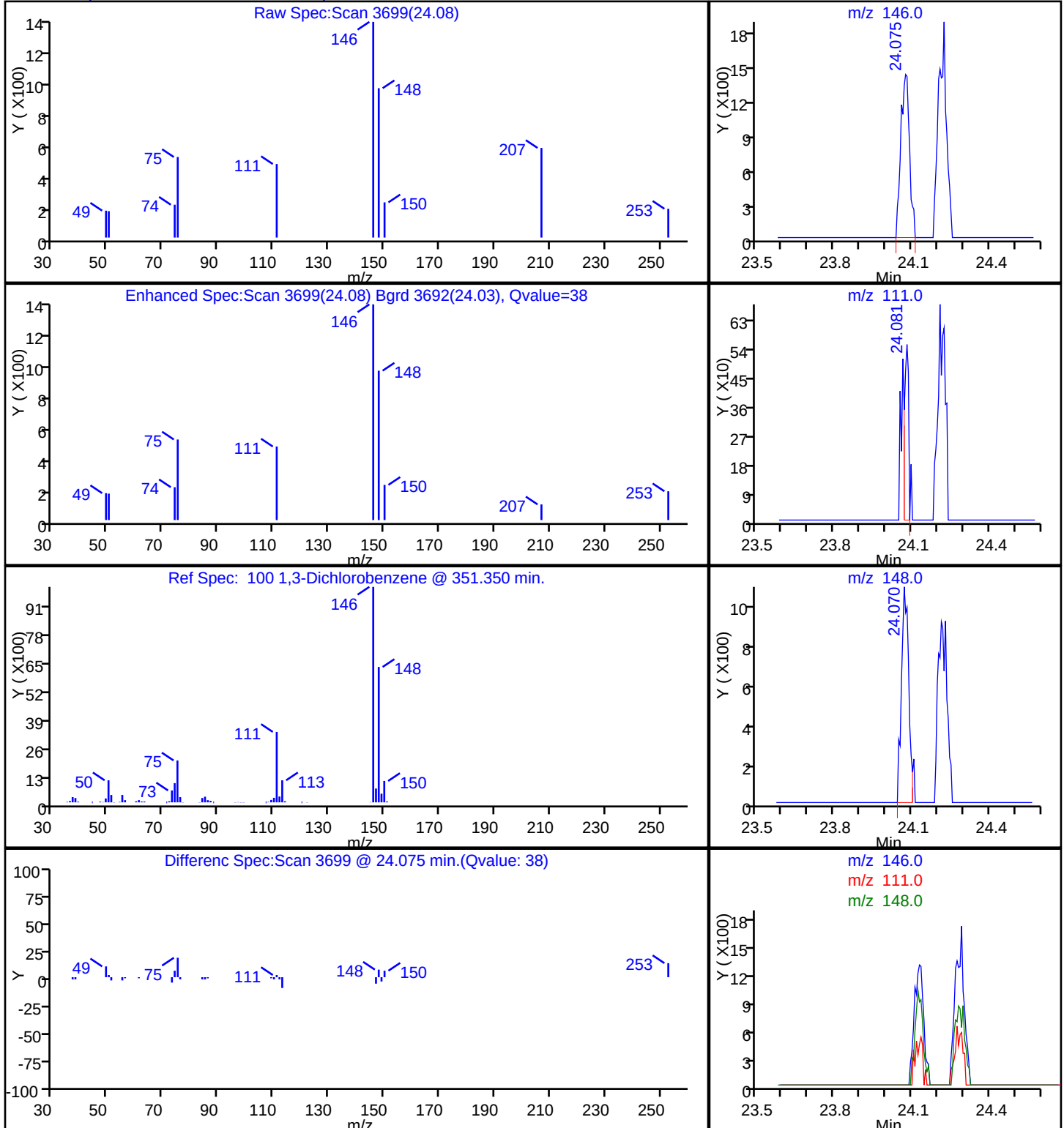
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**100 1,3-Dichlorobenzene, CAS: 541-73-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

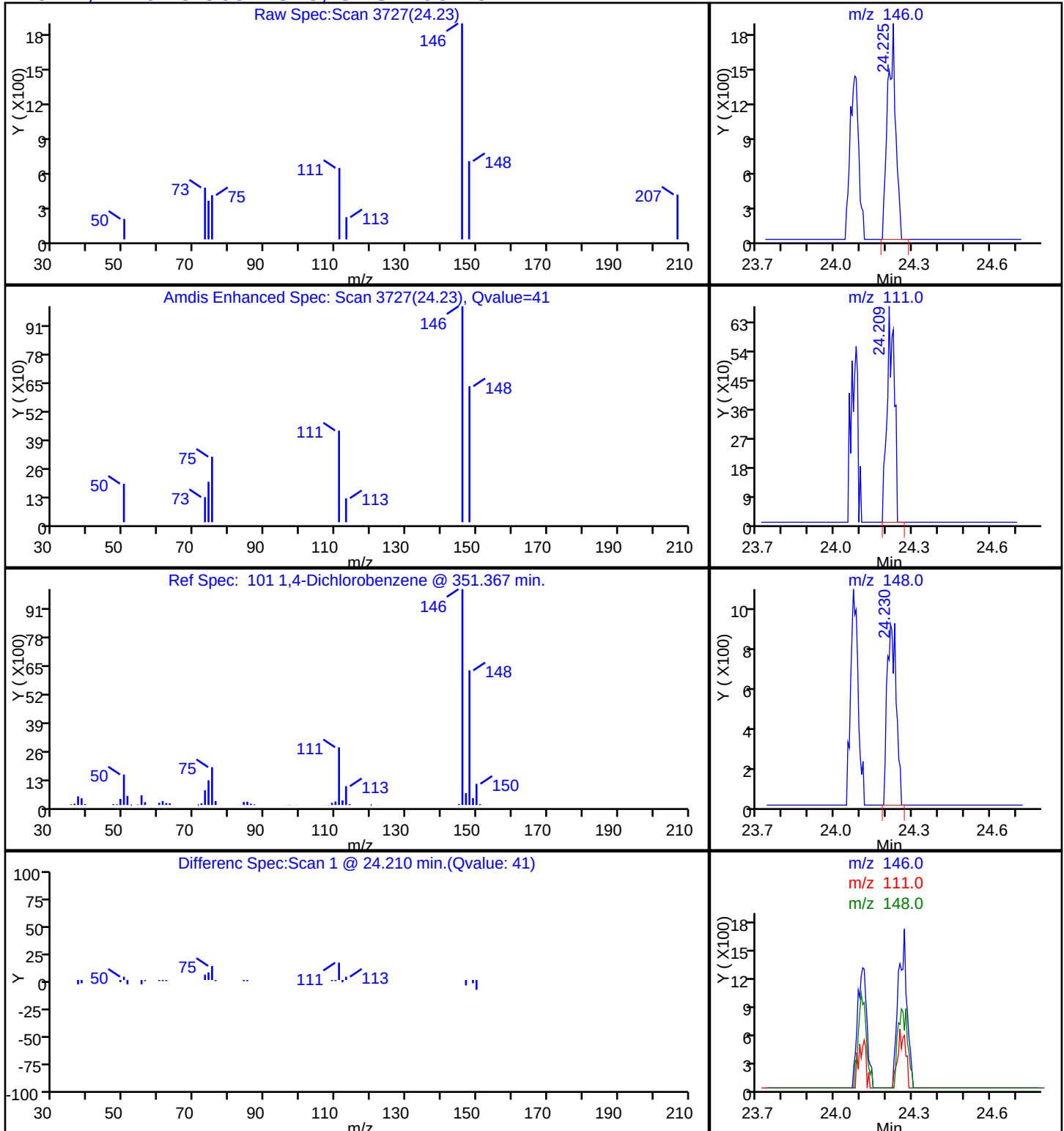
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**101 1,4-Dichlorobenzene, CAS: 106-46-7**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

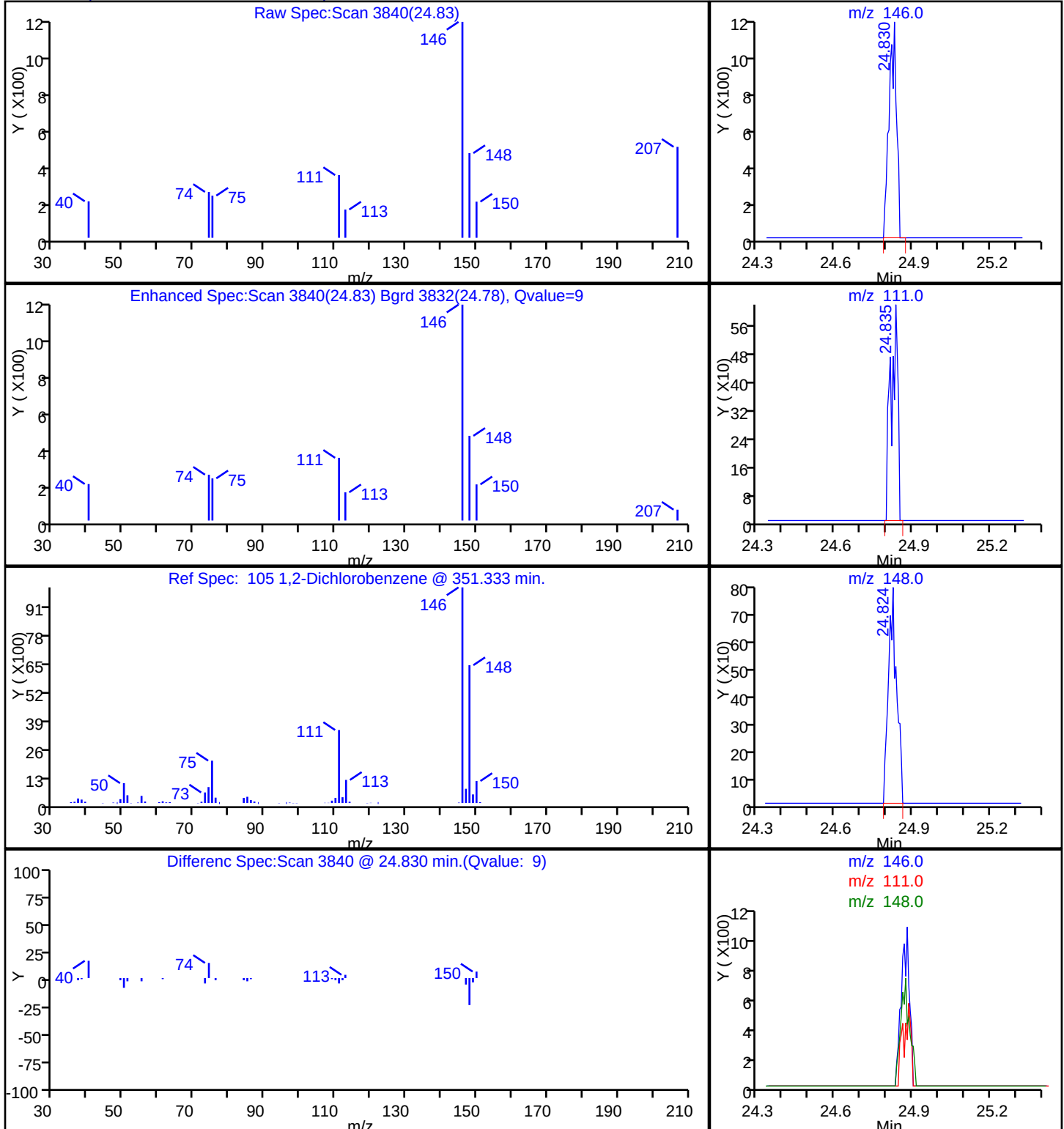
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**105 1,2-Dichlorobenzene, CAS: 95-50-1**

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d

Injection Date: 25-Apr-2014 16:03:30

Instrument ID: CHW.i

Lims ID: MB

Client ID:

Operator ID: pad

ALS Bottle#: 3

Worklist Smp#: 6

Purge Vol: 200.000 mL

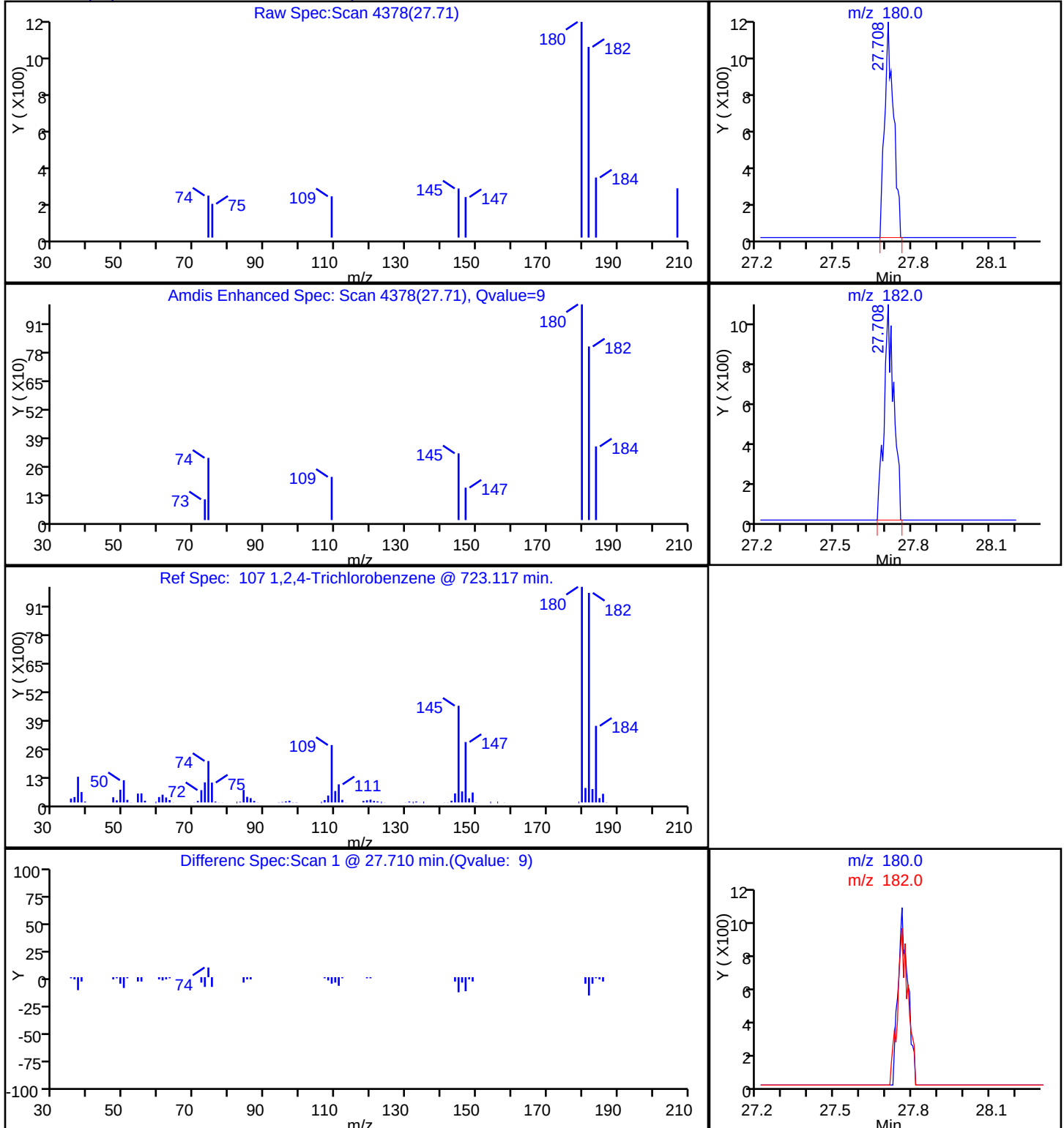
Dil. Factor: 1.0000

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

**107 1,2,4-Trichlorobenzene, CAS: 120-82-1**

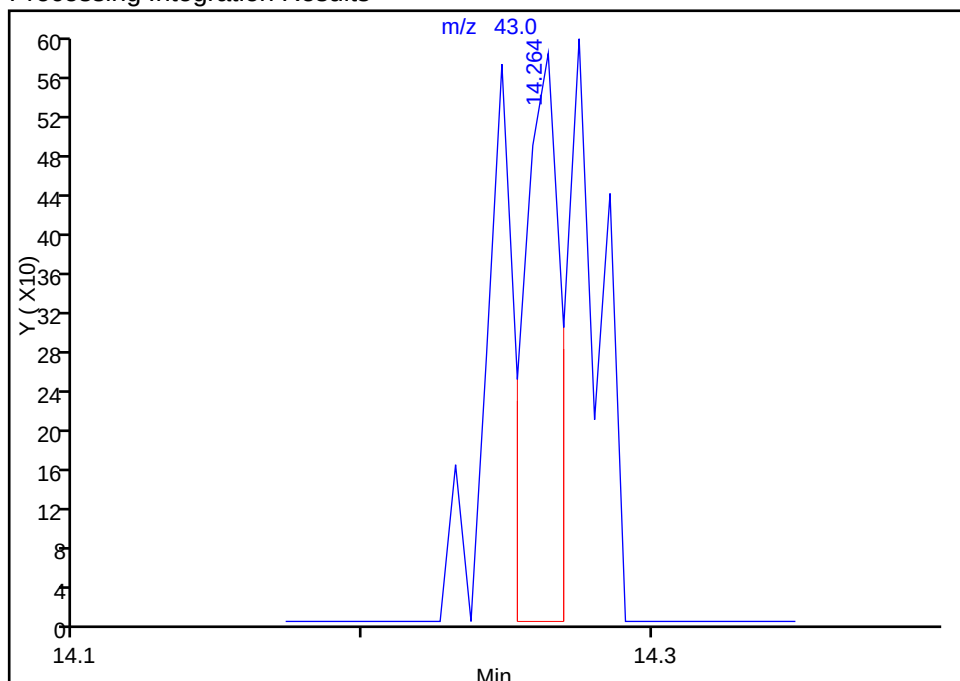
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector: MS SCAN

## 53 n-Heptane, CAS: 142-82-5

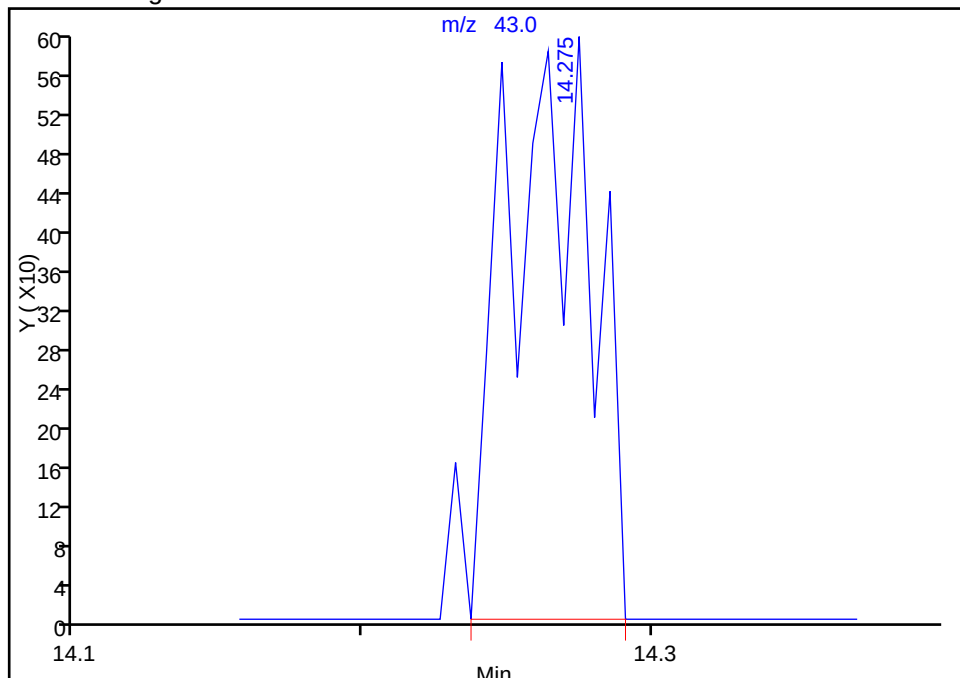
RT: 14.26  
Response: 518  
Amount: 0.021993

## Processing Integration Results



RT: 14.27  
Response: 1185  
Amount: 0.050313

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event



## TestAmerica Burlington

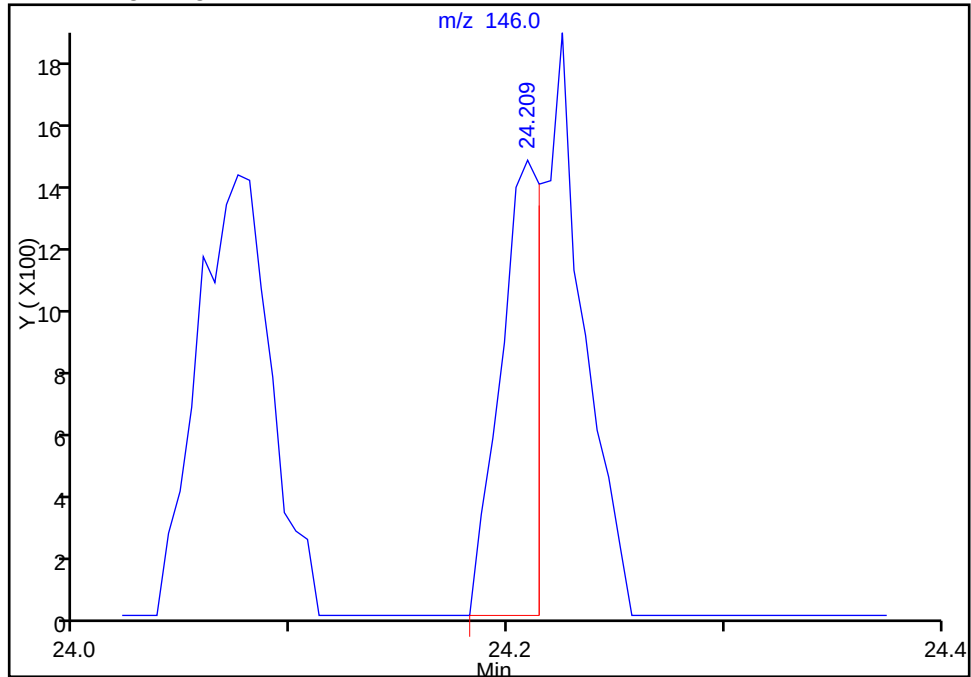
Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector: MS SCAN

Worklist Smp#: 6

**101 1,4-Dichlorobenzene, CAS: 106-46-7**

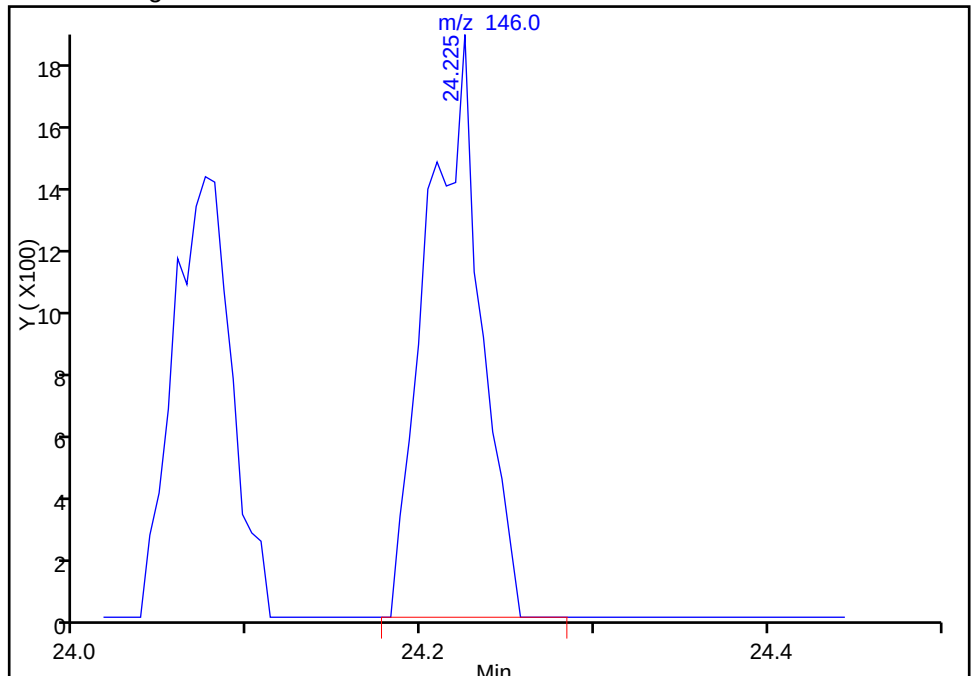
RT: 24.21  
Response: 1875  
Amount: 0.021018

## Processing Integration Results



RT: 24.23  
Response: 3919  
Amount: 0.043930

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

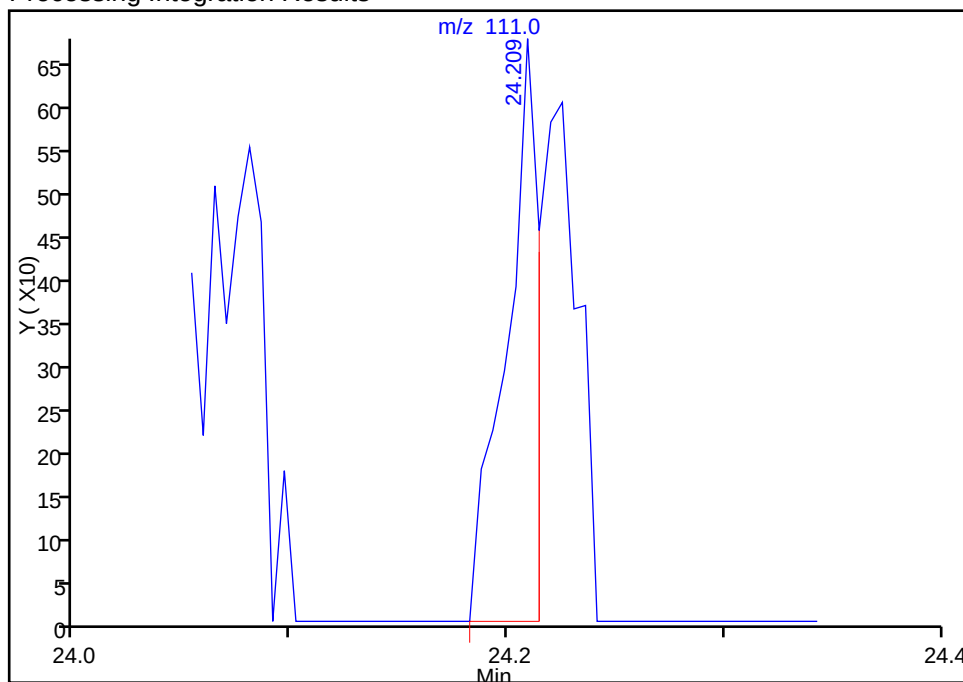
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**101 1,4-Dichlorobenzene, CAS: 106-46-7**

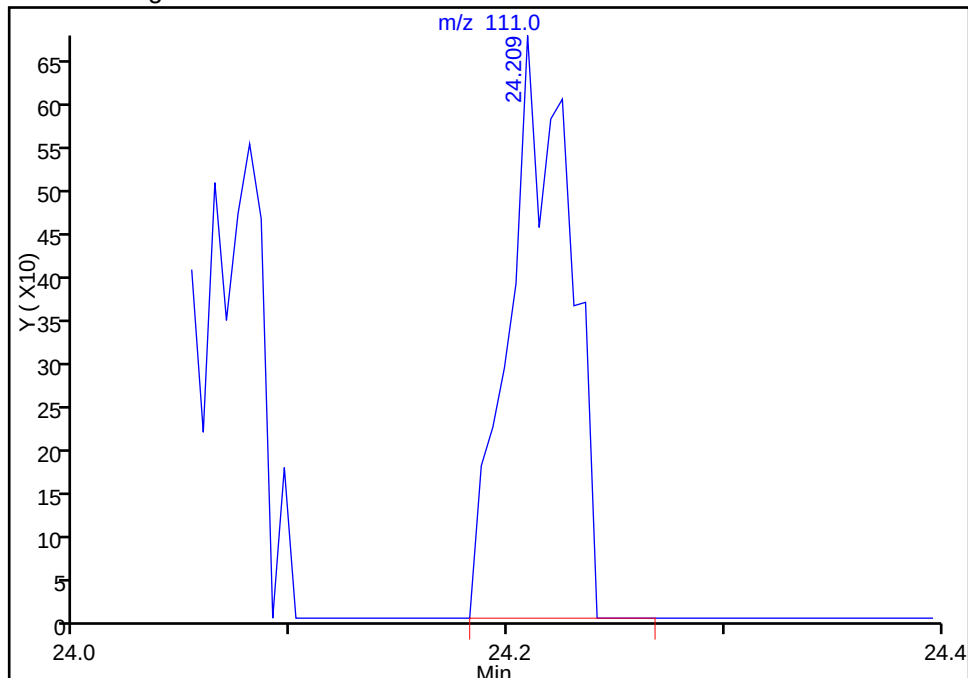
RT: 24.21  
Response: 709  
Amount: 0.021018

## Processing Integration Results



RT: 24.21  
Response: 1323  
Amount: 0.043930

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

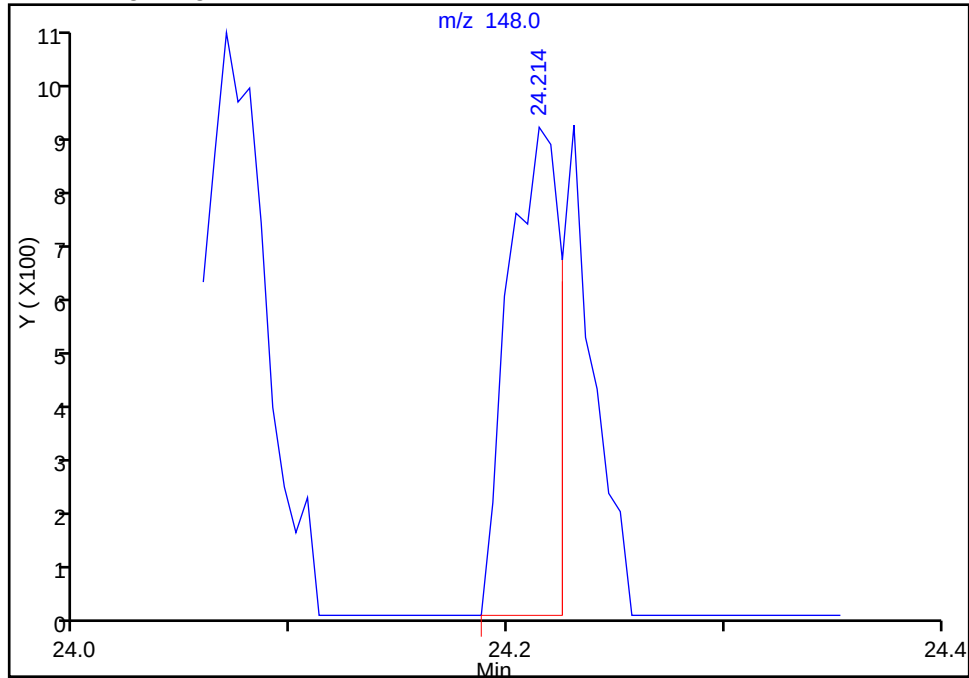
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**101 1,4-Dichlorobenzene, CAS: 106-46-7**

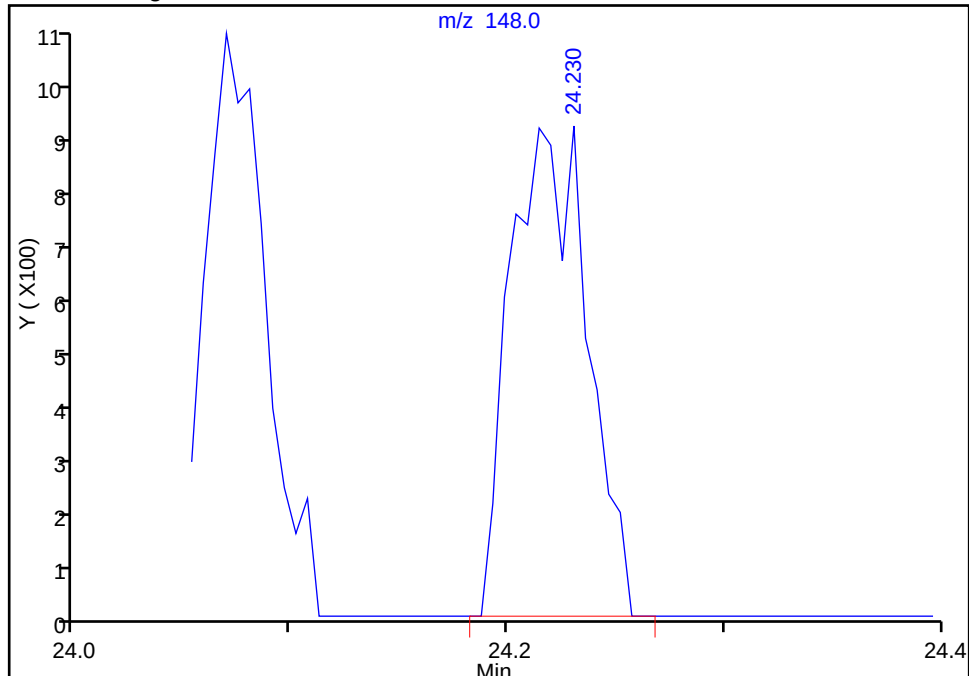
RT: 24.21  
Response: 1517  
Amount: 0.021018

## Processing Integration Results



RT: 24.23  
Response: 2245  
Amount: 0.043930

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

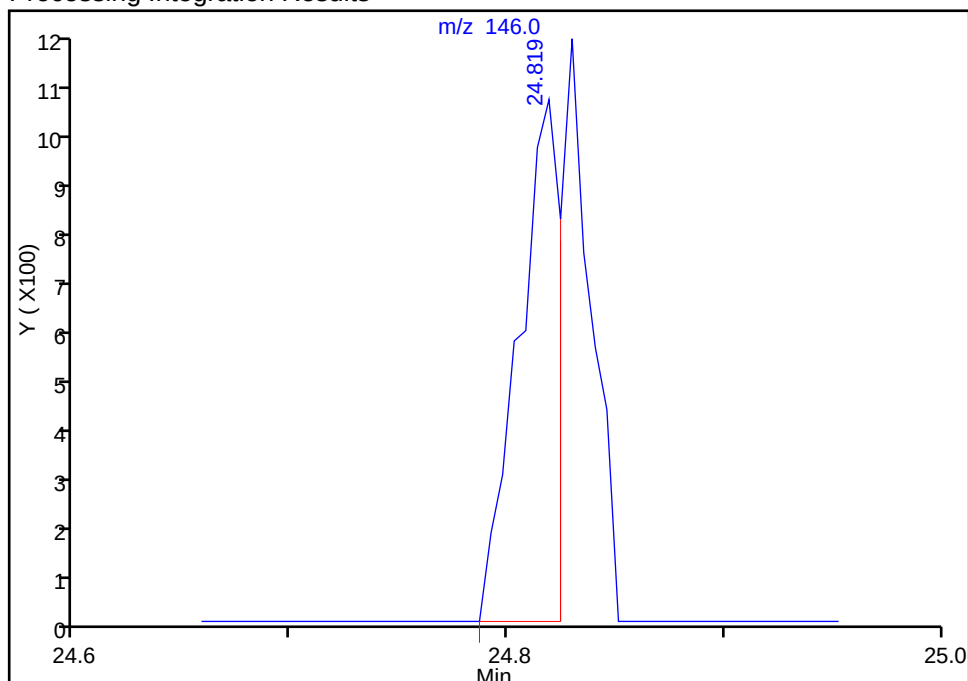
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

**105 1,2-Dichlorobenzene, CAS: 95-50-1**

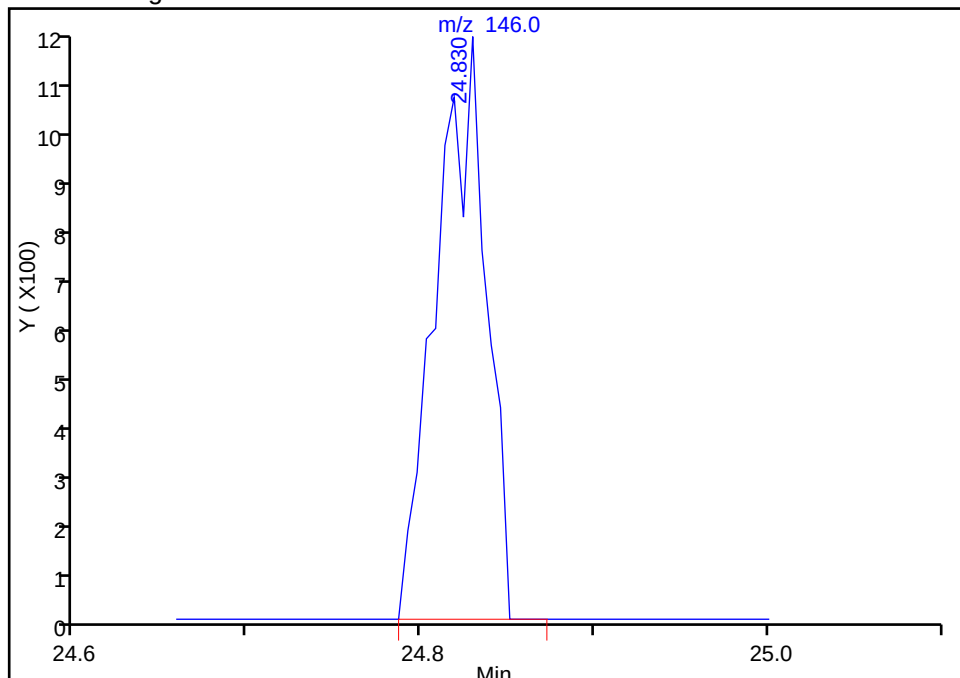
RT: 24.82  
Response: 1431  
Amount: 0.015339

## Processing Integration Results



RT: 24.83  
Response: 2364  
Amount: 0.025339

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

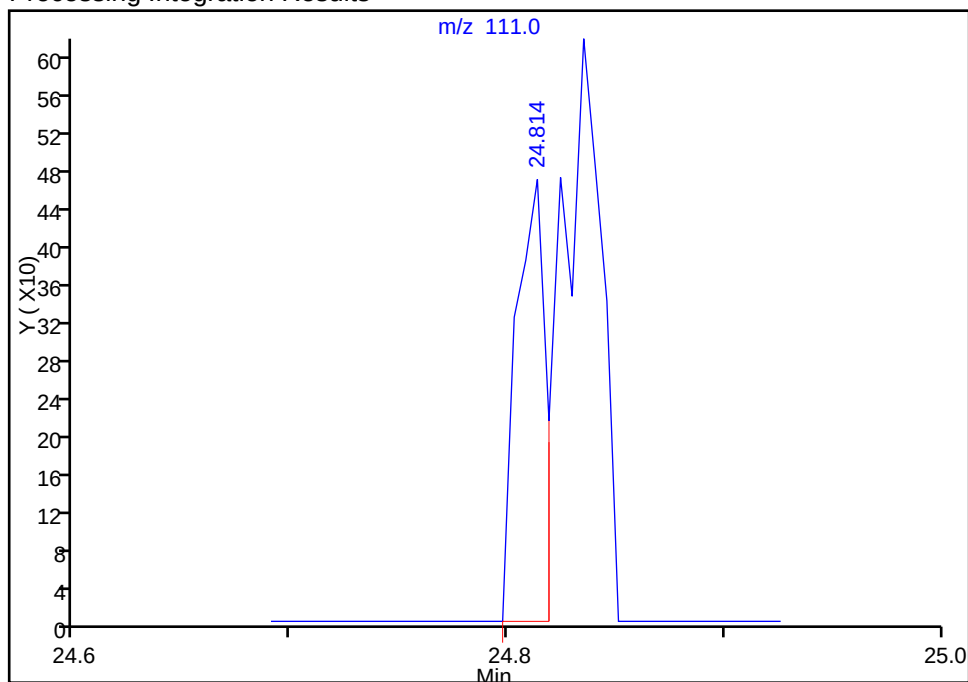
## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_006.d  
Injection Date: 25-Apr-2014 16:03:30 Instrument ID: CHW.i  
Lims ID: MB  
Client ID:  
Operator ID: pad ALS Bottle#: 3 Worklist Smp#: 6  
Purge Vol: 200.000 mL Dil. Factor: 1.0000  
Method: TO15\_LLNJ\_TO3\_W\_(v1) Limit Group: AI\_TO15\_ICAL  
Column: RTX-624 ( 0.32 mm) Detector MS SCAN

## 105 1,2-Dichlorobenzene, CAS: 95-50-1

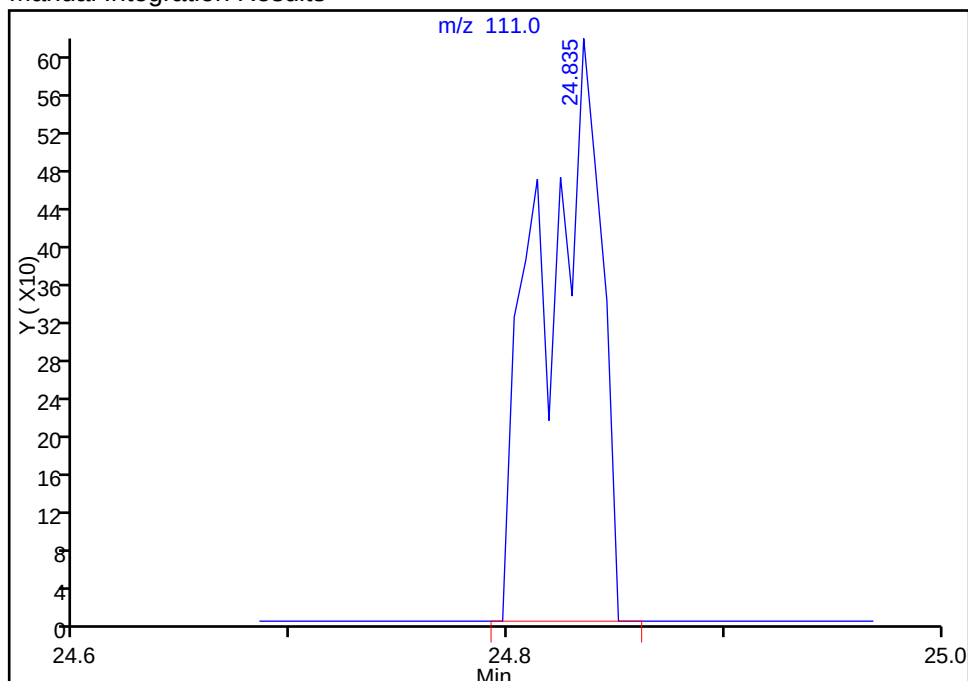
RT: 24.81  
Response: 442  
Amount: 0.015339

## Processing Integration Results



RT: 24.83  
Response: 1160  
Amount: 0.025339

## Manual Integration Results



Reviewer: lyonsb, 28-Apr-2014 11:24:12  
Audit Action: Manually Integrated  
Audit Reason: Baseline Event

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 200-71232/5

Matrix: Air Lab File ID: 7223\_005.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 15:08

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.   | COMPOUND NAME                 | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|-----------|-------------------------------|------------------|--------|---|------|-------|
| 75-71-8   | Dichlorodifluoromethane       | 120.91           | 10.4   |   | 0.50 | 0.030 |
| 75-45-6   | Freon 22                      | 86.47            | 10.8   |   | 0.50 | 0.048 |
| 76-14-2   | 1,2-Dichlorotetrafluoroethane | 170.92           | 10.3   |   | 0.20 | 0.035 |
| 74-87-3   | Chloromethane                 | 50.49            | 9.31   |   | 0.50 | 0.14  |
| 106-97-8  | n-Butane                      | 58.12            | 10.1   |   | 0.50 | 0.28  |
| 75-01-4   | Vinyl chloride                | 62.50            | 8.71   |   | 0.20 | 0.038 |
| 106-99-0  | 1,3-Butadiene                 | 54.09            | 9.47   |   | 0.20 | 0.042 |
| 74-83-9   | Bromomethane                  | 94.94            | 7.98   |   | 0.20 | 0.028 |
| 75-00-3   | Chloroethane                  | 64.52            | 9.17   |   | 0.50 | 0.030 |
| 593-60-2  | Bromoethene (Vinyl Bromide)   | 106.96           | 8.42   |   | 0.20 | 0.030 |
| 75-69-4   | Trichlorofluoromethane        | 137.37           | 9.61   |   | 0.20 | 0.030 |
| 76-13-1   | Freon TF                      | 187.38           | 8.56   |   | 0.20 | 0.018 |
| 75-35-4   | 1,1-Dichloroethene            | 96.94            | 8.70   |   | 0.20 | 0.024 |
| 67-64-1   | Acetone                       | 58.08            | 11.1   |   | 5.0  | 1.3   |
| 67-63-0   | Isopropyl alcohol             | 60.10            | 9.34   |   | 5.0  | 0.22  |
| 75-15-0   | Carbon disulfide              | 76.14            | 9.92   |   | 0.50 | 0.066 |
| 107-05-1  | 3-Chloropropene               | 76.53            | 10.1   |   | 0.50 | 0.034 |
| 75-09-2   | Methylene Chloride            | 84.93            | 9.86   |   | 0.50 | 0.13  |
| 75-65-0   | tert-Butyl alcohol            | 74.12            | 10.1   |   | 5.0  | 0.33  |
| 1634-04-4 | Methyl tert-butyl ether       | 88.15            | 11.2   |   | 0.20 | 0.022 |
| 156-60-5  | trans-1,2-Dichloroethene      | 96.94            | 10.6   |   | 0.20 | 0.029 |
| 110-54-3  | n-Hexane                      | 86.17            | 11.1   |   | 0.20 | 0.034 |
| 75-34-3   | 1,1-Dichloroethane            | 98.96            | 9.09   |   | 0.20 | 0.038 |
| 78-93-3   | Methyl Ethyl Ketone           | 72.11            | 9.15   |   | 0.50 | 0.24  |
| 156-59-2  | cis-1,2-Dichloroethene        | 96.94            | 8.55   |   | 0.20 | 0.038 |
| 540-59-0  | 1,2-Dichloroethene, Total     | 96.94            | 19.2   |   | 0.20 | 0.064 |
| 67-66-3   | Chloroform                    | 119.38           | 9.06   |   | 0.20 | 0.025 |
| 109-99-9  | Tetrahydrofuran               | 72.11            | 9.70   |   | 5.0  | 0.046 |
| 71-55-6   | 1,1,1-Trichloroethane         | 133.41           | 9.70   |   | 0.20 | 0.021 |
| 110-82-7  | Cyclohexane                   | 84.16            | 9.74   |   | 0.20 | 0.025 |
| 56-23-5   | Carbon tetrachloride          | 153.81           | 9.38   |   | 0.20 | 0.021 |
| 540-84-1  | 2,2,4-Trimethylpentane        | 114.23           | 10.2   |   | 0.20 | 0.027 |
| 71-43-2   | Benzene                       | 78.11            | 8.45   |   | 0.20 | 0.019 |
| 107-06-2  | 1,2-Dichloroethane            | 98.96            | 10.4   |   | 0.20 | 0.017 |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 200-71232/5

Matrix: Air Lab File ID: 7223\_005.d

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 15:08

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

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

% Moisture: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.     | COMPOUND NAME                    | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL     |
|-------------|----------------------------------|------------------|--------|---|------|--------|
| 142-82-5    | n-Heptane                        | 100.21           | 10.7   |   | 0.20 | 0.046  |
| 79-01-6     | Trichloroethene                  | 131.39           | 8.91   |   | 0.20 | 0.024  |
| 80-62-6     | Methyl methacrylate              | 100.12           | 9.73   |   | 0.50 | 0.030  |
| 78-87-5     | 1,2-Dichloropropane              | 112.99           | 8.49   |   | 0.20 | 0.032  |
| 123-91-1    | 1,4-Dioxane                      | 88.11            | 8.36   |   | 5.0  | 0.20   |
| 75-27-4     | Bromodichloromethane             | 163.83           | 9.36   |   | 0.20 | 0.017  |
| 10061-01-5  | cis-1,3-Dichloropropene          | 110.97           | 10.3   |   | 0.20 | 0.028  |
| 108-10-1    | methyl isobutyl ketone           | 100.16           | 10.6   |   | 0.50 | 0.027  |
| 108-88-3    | Toluene                          | 92.14            | 9.20   |   | 0.20 | 0.017  |
| 10061-02-6  | trans-1,3-Dichloropropene        | 110.97           | 10.6   |   | 0.20 | 0.022  |
| 79-00-5     | 1,1,2-Trichloroethane            | 133.41           | 8.48   |   | 0.20 | 0.017  |
| 127-18-4    | Tetrachloroethene                | 165.83           | 7.91   |   | 0.20 | 0.016  |
| 591-78-6    | Methyl Butyl Ketone (2-Hexanone) | 100.20           | 10.6   |   | 0.50 | 0.20   |
| 124-48-1    | Dibromochloromethane             | 208.29           | 8.75   |   | 0.20 | 0.020  |
| 106-93-4    | 1,2-Dibromoethane                | 187.87           | 8.87   |   | 0.20 | 0.020  |
| 108-90-7    | Chlorobenzene                    | 112.56           | 8.21   |   | 0.20 | 0.0081 |
| 100-41-4    | Ethylbenzene                     | 106.17           | 9.71   |   | 0.20 | 0.013  |
| 179601-23-1 | m,p-Xylene                       | 106.17           | 18.8   |   | 0.50 | 0.023  |
| 95-47-6     | Xylene, o-                       | 106.17           | 9.77   |   | 0.20 | 0.016  |
| 1330-20-7   | Xylene (total)                   | 106.17           | 28.6   |   | 0.20 | 0.034  |
| 100-42-5    | Styrene                          | 104.15           | 10.2   |   | 0.20 | 0.018  |
| 75-25-2     | Bromoform                        | 252.75           | 8.77   |   | 0.20 | 0.010  |
| 98-82-8     | Cumene                           | 120.19           | 10.1   |   | 0.20 | 0.016  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane        | 167.85           | 8.27   |   | 0.20 | 0.016  |
| 103-65-1    | n-Propylbenzene                  | 120.19           | 9.78   |   | 0.20 | 0.080  |
| 622-96-8    | 4-Ethyltoluene                   | 120.20           | 9.52   |   | 0.20 | 0.018  |
| 108-67-8    | 1,3,5-Trimethylbenzene           | 120.20           | 9.46   |   | 0.20 | 0.012  |
| 95-49-8     | 2-Chlorotoluene                  | 126.59           | 9.27   |   | 0.20 | 0.013  |
| 98-06-6     | tert-Butylbenzene                | 134.22           | 9.36   |   | 0.20 | 0.017  |
| 95-63-6     | 1,2,4-Trimethylbenzene           | 120.20           | 9.85   |   | 0.20 | 0.014  |
| 135-98-8    | sec-Butylbenzene                 | 134.22           | 9.50   |   | 0.20 | 0.080  |
| 99-87-6     | 4-Isopropyltoluene               | 134.22           | 9.75   |   | 0.20 | 0.080  |
| 541-73-1    | 1,3-Dichlorobenzene              | 147.00           | 8.26   |   | 0.20 | 0.014  |
| 106-46-7    | 1,4-Dichlorobenzene              | 147.00           | 8.32   |   | 0.20 | 0.014  |

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

Lab Name: TestAmerica Burlington Job No.: 280-54595-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 200-71232/5  
 Matrix: Air Lab File ID: 7223\_005.d  
 Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
 Sample wt/vol: 200 (mL) Date Analyzed: 04/25/2014 15:08  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 71232 Units: ppb v/v

| CAS NO.  | COMPOUND NAME          | MOLECULAR WEIGHT | RESULT | Q | LOQ  | DL    |
|----------|------------------------|------------------|--------|---|------|-------|
| 100-44-7 | Benzyl chloride        | 126.58           | 8.66   |   | 0.20 | 0.080 |
| 104-51-8 | n-Butylbenzene         | 134.22           | 9.73   |   | 0.20 | 0.080 |
| 95-50-1  | 1,2-Dichlorobenzene    | 147.00           | 8.26   |   | 0.20 | 0.014 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 181.45           | 7.18   |   | 0.50 | 0.027 |
| 87-68-3  | Hexachlorobutadiene    | 260.76           | 8.28   |   | 0.20 | 0.022 |
| 91-20-3  | Naphthalene            | 128.17           | 7.31   |   | 0.50 | 0.20  |



TestAmerica Burlington  
Target Compound Quantitation Report

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_005.d  
 Lims ID: LCS  
 Client ID:  
 Sample Type: LCS  
 Inject. Date: 25-Apr-2014 15:08:30 ALS Bottle#: 2 Worklist Smp#: 5  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007223-005  
 Misc. Info.: LCS  
 Operator ID: pad Instrument ID: CHW.i  
 Method: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\TO15\_LLNJ\_TO3\_W\_(v1).m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 28-Apr-2014 12:55:17 Calib Date: 12-Feb-2014 00:55:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHW.i\20140211-6101.b\6101\_011.d  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK047

First Level Reviewer: lyonsb

Date: 28-Apr-2014 12:55:17

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|-----|----------|-----------------|-------------------|-------|
| 1 Propene                      | 41  | 4.367     | 4.383         | -0.016        | 94  | 120359   | 10.0            | 9.80              |       |
| 2 Dichlorodifluoromethane      | 85  | 4.463     | 4.474         | -0.011        | 99  | 889175   | 10.0            | 10.4              |       |
| 6 Chlorodifluoromethane        | 51  | 4.528     | 4.544         | -0.016        | 74  | 346835   | 10.0            | 10.8              |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  | 4.817     | 4.827         | -0.010        | 94  | 750191   | 10.0            | 10.3              |       |
| 8 Chloromethane                | 50  | 5.009     | 5.025         | -0.016        | 88  | 136423   | 10.0            | 9.31              |       |
| 9 Butane                       | 43  | 5.271     | 5.287         | -0.016        | 94  | 240187   | 10.0            | 10.1              |       |
| 10 Vinyl chloride              | 62  | 5.330     | 5.341         | -0.011        | 82  | 183527   | 10.0            | 8.71              |       |
| 11 Butadiene                   | 54  | 5.426     | 5.448         | -0.022        | 96  | 122806   | 10.0            | 9.47              |       |
| 13 BFB                         |     |           |               |               |     |          |                 |                   |       |
| 12 Bromomethane                | 94  | 6.293     | 6.314         | -0.021        | 96  | 173951   | 10.0            | 7.98              |       |
| 14 Chloroethane                | 64  | 6.577     | 6.587         | -0.010        | 99  | 102878   | 10.0            | 9.17              |       |
| 15 2-Methylbutane              | 43  | 6.668     | 6.678         | -0.010        | 84  | 186487   | 10.0            | 10.3              |       |
| 16 Vinyl bromide               | 106 | 7.058     | 7.074         | -0.016        | 96  | 244658   | 10.0            | 8.42              |       |
| 17 Trichlorofluoromethane      | 101 | 7.181     | 7.186         | -0.005        | 98  | 916478   | 10.0            | 9.61              |       |
| 18 Pentane                     | 43  | 7.336     | 7.347         | -0.011        | 93  | 280037   | 10.0            | 11.0              |       |
| 19 Ethanol                     | 45  | 7.791     | 7.812         | -0.021        | 98  | 81146    | 15.0            | 15.3              |       |
| 21 Ethyl ether                 | 59  | 7.925     | 7.930         | -0.005        | 92  | 143786   | 10.0            | 10.8              |       |
| 22 Acrolein                    | 56  | 8.390     | 8.401         | -0.011        | 62  | 56736    | 10.0            | 10.2              |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 | 8.428     | 8.428         | 0.000         | 95  | 511014   | 10.0            | 8.56              |       |
| 24 1,1-Dichloroethene          | 96  | 8.502     | 8.508         | -0.006        | 99  | 223555   | 10.0            | 8.70              |       |
| 25 Acetone                     | 43  | 8.738     | 8.743         | -0.005        | 84  | 300788   | 10.0            | 11.1              |       |
| 26 Carbon disulfide            | 76  | 8.989     | 9.000         | -0.011        | 100 | 587217   | 10.0            | 9.92              |       |
| 27 Isopropyl alcohol           | 45  | 9.016     | 9.043         | -0.027        | 90  | 211420   | 10.0            | 9.34              |       |
| 29 3-Chloro-1-propene          | 41  | 9.391     | 9.396         | -0.006        | 79  | 185407   | 10.0            | 10.1              |       |
| 30 Acetonitrile                | 41  | 9.519     | 9.530         | -0.011        | 97  | 89233    | 10.0            | 9.01              |       |
| 31 Methylene Chloride          | 49  | 9.722     | 9.722         | 0.000         | 80  | 185571   | 10.0            | 9.86              |       |
| 32 2-Methyl-2-propanol         | 59  | 9.888     | 9.909         | -0.021        | 98  | 414729   | 10.0            | 10.1              |       |
| 33 Methyl tert-butyl ether     | 73  | 10.139    | 10.155        | -0.016        | 94  | 764088   | 10.0            | 11.2              |       |
| S 41 1,2-Dichloroethene, Total | 61  |           |               |               | 0   |          | 20.0            | 19.1              |       |
| 34 trans-1,2-Dichloroethene    | 61  | 10.220    | 10.225        | -0.005        | 85  | 328596   | 10.0            | 10.6              |       |
| 35 Acrylonitrile               | 53  | 10.364    | 10.375        | -0.011        | 91  | 110971   | 10.0            | 9.63              |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.)   | Dlt RT (min.) | Q  | Response  | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|-----------------|---------------|----|-----------|-----------------|-------------------|-------|
| 36 Hexane                      | 57  | 10.632    | 10.642          | -0.010        | 87 | 289861    | 10.0            | 11.1              |       |
| 37 1,1-Dichloroethane          | 63  | 11.183    | 11.188          | -0.005        | 99 | 379276    | 10.0            | 9.09              |       |
| 38 Vinyl acetate               | 43  | 11.220    | 11.231          | -0.011        | 99 | 395305    | 10.0            | 10.2              |       |
| 39 cis-1,2-Dichloroethene      | 96  | 12.360    | 12.370          | -0.010        | 93 | 232134    | 10.0            | 8.55              |       |
| 40 2-Butanone (MEK)            | 72  | 12.370    | 12.392          | -0.022        | 99 | 104717    | 10.0            | 9.15              |       |
| 42 Ethyl acetate               | 88  | 12.402    | 12.402          | 0.000         | 98 | 20698     | 10.0            | 9.31              |       |
| 44 Tetrahydrofuran             | 42  | 12.841    | 12.846          | -0.005        | 85 | 163284    | 10.0            | 9.70              |       |
| * 43 Chlorobromomethane        | 128 | 12.846    | 12.852          | -0.006        | 70 | 186076    | 10.0            | 10.0              |       |
| 45 Chloroform                  | 83  | 12.953    | 12.959          | -0.006        | 94 | 564908    | 10.0            | 9.06              |       |
| 46 Cyclohexane                 | 84  | 13.253    | 13.258          | -0.005        | 85 | 316225    | 10.0            | 9.74              |       |
| 47 1,1,1-Trichloroethane       | 97  | 13.264    | 13.269          | -0.005        | 94 | 720415    | 10.0            | 9.70              |       |
| 48 Carbon tetrachloride        | 117 | 13.520    | 13.520          | 0.000         | 98 | 795628    | 10.0            | 9.38              |       |
| 51 Isooctane                   | 57  | 13.911    | 13.916          | -0.005        | 96 | 881329    | 10.0            | 10.2              |       |
| 50 Benzene                     | 78  | 13.975    | 13.975          | 0.000         | 95 | 654639    | 10.0            | 8.45              |       |
| 52 1,2-Dichloroethane          | 62  | 14.130    | 14.136          | -0.006        | 98 | 408711    | 10.0            | 10.4              |       |
| 53 n-Heptane                   | 43  | 14.264    | 14.269          | -0.005        | 81 | 287852    | 10.0            | 10.7              |       |
| * 54 1,4-Difluorobenzene       | 114 | 14.735    | 14.735          | 0.000         | 94 | 889318    | 10.0            | 10.0              |       |
| A 57 GRO                       | 1   | 14.759    | (6.668-22.855)  |               | 0  | 99352162  | 10.0            | 0                 |       |
| 55 n-Butanol                   | 56  | 15.013    | 15.029          | -0.016        | 86 | 88275     | 10.0            | 9.18              |       |
| 56 Trichloroethene             | 95  | 15.195    | 15.200          | -0.005        | 98 | 355337    | 10.0            | 8.91              |       |
| 58 1,2-Dichloropropane         | 63  | 15.719    | 15.725          | -0.006        | 79 | 200343    | 10.0            | 8.49              |       |
| 59 Methyl methacrylate         | 69  | 15.799    | 15.805          | -0.006        | 80 | 238210    | 10.0            | 9.73              |       |
| 60 1,4-Dioxane                 | 88  | 15.890    | 15.896          | -0.006        | 87 | 113415    | 10.0            | 8.36              |       |
| 61 Dibromomethane              | 174 | 15.960    | 15.971          | -0.011        | 91 | 358600    | 10.0            | 7.33              |       |
| 62 Dichlorobromomethane        | 83  | 16.211    | 16.217          | -0.006        | 99 | 639578    | 10.0            | 9.36              |       |
| A 63 TVOC as Toluene           | 1   | 16.618    | (4.373-28.879)  |               | 0  | 172531340 | 10.0            | 2675.2            |       |
| 64 cis-1,3-Dichloropropene     | 75  | 17.073    | 17.073          | 0.000         | 94 | 399146    | 10.0            | 10.3              |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 17.303    | 17.313          | -0.010        | 91 | 401289    | 10.0            | 10.6              |       |
| A 68 C8 Range                  | 1   | 17.645    | (17.607-17.695) |               | 0  | 4208643   | NC              | NC                |       |
| 69 n-Octane                    | 43  | 17.640    | 17.645          | -0.005        | 83 | 409135    | 10.0            | 11.4              |       |
| A 67 Toluene Range             | 1   | 17.651    | (17.610-17.690) |               | 0  | 4208643   | NC              | NC                |       |
| 66 Toluene                     | 92  | 17.645    | 17.650          | -0.005        | 93 | 540697    | 10.0            | 9.20              |       |
| 70 trans-1,3-Dichloropropene   | 75  | 18.180    | 18.180          | 0.000         | 94 | 470698    | 10.0            | 10.6              |       |
| 71 1,1,2-Trichloroethane       | 83  | 18.544    | 18.555          | -0.011        | 90 | 248332    | 10.0            | 8.48              |       |
| 72 Tetrachloroethene           | 166 | 18.688    | 18.688          | 0.000         | 98 | 578093    | 10.0            | 7.91              |       |
| 73 2-Hexanone                  | 43  | 18.934    | 18.934          | 0.000         | 93 | 349765    | 10.0            | 10.6              |       |
| 74 Chlorodibromomethane        | 129 | 19.304    | 19.309          | -0.005        | 97 | 711858    | 10.0            | 8.75              |       |
| 75 Ethylene Dibromide          | 107 | 19.587    | 19.592          | -0.005        | 98 | 526958    | 10.0            | 8.87              |       |
| S 82 Xylenes, Total            | 106 |           |                 |               | 0  |           | 30.0            | 28.5              |       |
| * 76 Chlorobenzene-d5          | 117 | 20.432    | 20.432          | 0.000         | 79 | 810149    | 10.0            | 10.0              |       |
| 77 Chlorobenzene               | 112 | 20.486    | 20.491          | -0.005        | 93 | 806481    | 10.0            | 8.21              |       |
| 78 Ethylbenzene                | 91  | 20.598    | 20.603          | -0.005        | 98 | 1332582   | 10.0            | 9.71              |       |
| 79 n-Nonane                    | 57  | 20.657    | 20.662          | -0.005        | 78 | 480014    | 10.0            | 10.5              |       |
| 80 m-Xylene & p-Xylene         | 106 | 20.817    | 20.823          | -0.006        | 98 | 1038739   | 20.0            | 18.8              |       |
| 83 o-Xylene                    | 106 | 21.534    | 21.534          | 0.000         | 93 | 510246    | 10.0            | 9.77              |       |
| 84 Styrene                     | 104 | 21.572    | 21.572          | 0.000         | 93 | 789264    | 10.0            | 10.2              |       |
| 85 Bromoform                   | 173 | 21.952    | 21.952          | 0.000         | 97 | 717552    | 10.0            | 8.77              |       |
| 86 Isopropylbenzene            | 105 | 22.096    | 22.101          | -0.005        | 97 | 1629720   | 10.0            | 10.1              |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 22.433    | 22.438          | -0.005        | 90 | 641826    | NC              | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  | 22.658    | 22.663          | -0.005        | 93 | 658765    | 10.0            | 8.27              |       |
| 90 N-Propylbenzene             | 91  | 22.733    | 22.733          | 0.000         | 99 | 1828444   | 10.0            | 9.78              |       |
| 89 1,2,3-Trichloropropane      | 75  | 22.759    | 22.765          | -0.006        | 85 | 568426    | 10.0            | 9.28              |       |

| Compound                   | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|----------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 93 n-Decane                | 57  | 22.845       | 22.845           | 0.000            | 82 | 628597   | 10.0               | 9.80                 |       |
| 91 4-Ethyltoluene          | 105 | 22.899       | 22.904           | -0.005           | 86 | 1702608  | 10.0               | 9.52                 |       |
| 92 2-Chlorotoluene         | 91  | 22.936       | 22.936           | 0.000            | 92 | 1449723  | 10.0               | 9.27                 |       |
| 94 1,3,5-Trimethylbenzene  | 105 | 22.989       | 22.995           | -0.006           | 91 | 1565932  | 10.0               | 9.46                 |       |
| 95 Alpha Methyl Styrene    | 118 | 23.343       | 23.343           | 0.001            | 88 | 705692   | 10.0               | 10.2                 |       |
| 96 tert-Butylbenzene       | 119 | 23.466       | 23.471           | -0.005           | 91 | 1504142  | 10.0               | 9.36                 |       |
| 97 1,2,4-Trimethylbenzene  | 105 | 23.557       | 23.562           | -0.005           | 97 | 1556182  | 10.0               | 9.85                 |       |
| 98 sec-Butylbenzene        | 105 | 23.797       | 23.803           | -0.006           | 97 | 2067364  | 10.0               | 9.50                 |       |
| 99 4-Isopropyltoluene      | 119 | 24.001       | 24.001           | 0.000            | 87 | 1867430  | 10.0               | 9.75                 |       |
| 100 1,3-Dichlorobenzene    | 146 | 24.070       | 24.070           | 0.000            | 96 | 951046   | 10.0               | 8.26                 |       |
| 101 1,4-Dichlorobenzene    | 146 | 24.215       | 24.215           | 0.001            | 95 | 891267   | 10.0               | 8.32                 |       |
| 102 Benzyl chloride        | 91  | 24.423       | 24.429           | -0.005           | 99 | 833972   | 10.0               | 8.66                 |       |
| 104 Undecane               | 57  | 24.616       | 24.616           | 0.000            | 88 | 673928   | 10.0               | 10.4                 |       |
| 103 n-Butylbenzene         | 91  | 24.637       | 24.637           | 0.000            | 98 | 1412645  | 10.0               | 9.73                 |       |
| 105 1,2-Dichlorobenzene    | 146 | 24.819       | 24.824           | -0.005           | 96 | 925765   | 10.0               | 8.26                 |       |
| 106 Dodecane               | 57  | 26.413       | 26.413           | 0.000            | 89 | 375759   | 10.0               | 8.83                 |       |
| 107 1,2,4-Trichlorobenzene | 180 | 27.708       | 27.708           | 0.000            | 94 | 413124   | 10.0               | 7.18                 |       |
| 108 Hexachlorobutadiene    | 225 | 27.906       | 27.911           | -0.005           | 93 | 753648   | 10.0               | 8.28                 |       |
| 109 Naphthalene            | 128 | 28.296       | 28.296           | 0.000            | 99 | 821175   | 10.0               | 7.31                 |       |
| 110 1,2,3-Trichlorobenzene | 180 | 28.858       | 28.869           | -0.011           | 93 | 383951   | 10.0               | 7.16                 |       |

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHW.i\20140425-7223.b\7223\_005.d

Injection Date: 25-Apr-2014 15:08:30

Instrument ID: CHW.i

Operator ID: pad

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

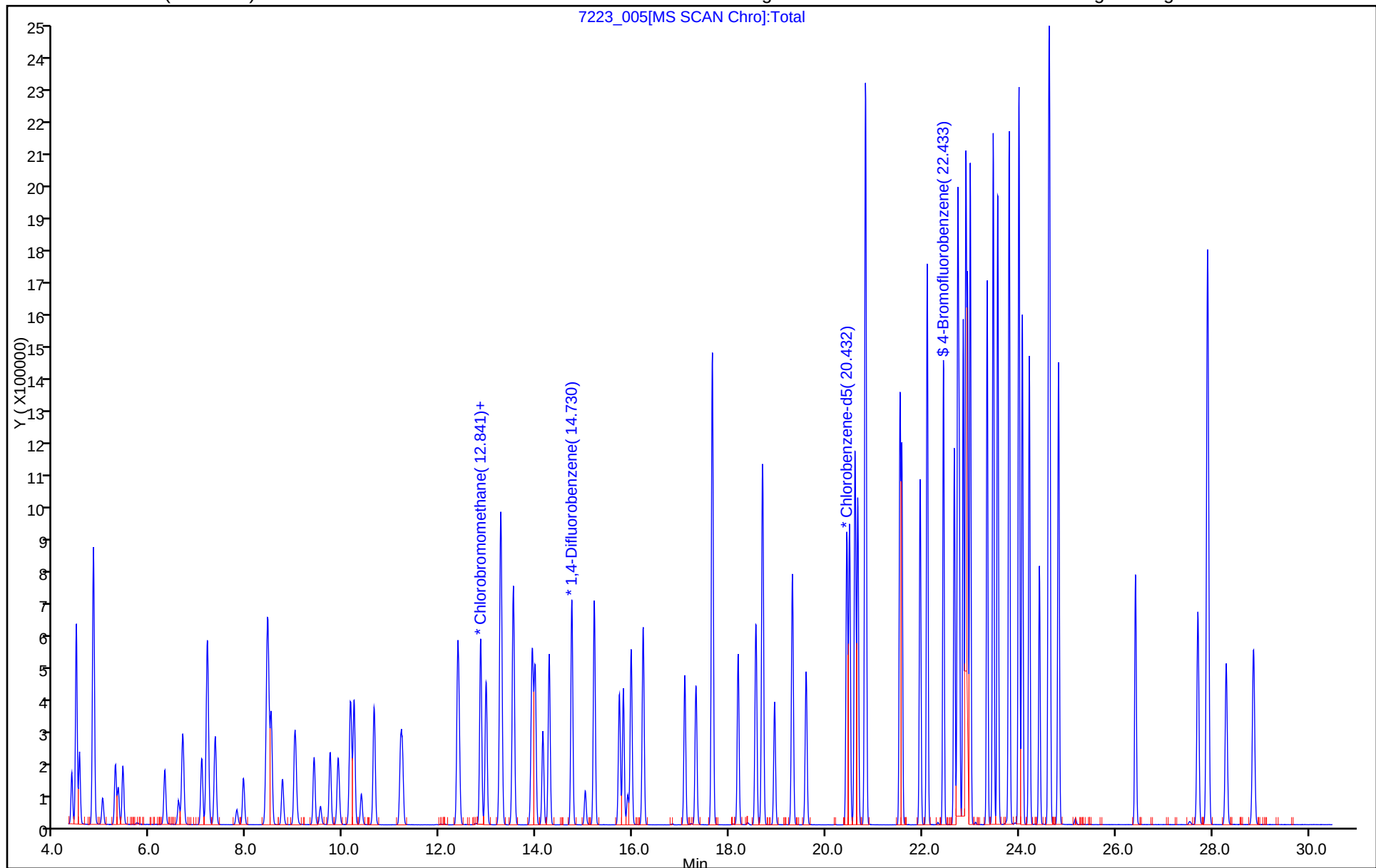
ALS Bottle#: 2

Method: TO15\_LLNJ\_TO3\_W\_(v1)

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.i Start Date: 02/11/2014 16:00Analysis Batch Number: 68234 End Date: 02/12/2014 03:20

| LAB SAMPLE ID      | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-68234/1    |                  | 02/11/2014 16:00 | 1                  | 6099_001.d  | RTX-624 0.32 (mm) |
| VIBLK 200-68234/2  |                  | 02/11/2014 17:33 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-68234/3  |                  | 02/11/2014 18:24 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-68234/4     |                  | 02/11/2014 19:12 | 1                  | 6101_004.d  | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 02/11/2014 19:12 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-68234/5     |                  | 02/11/2014 20:02 | 1                  | 6101_005.d  | RTX-624 0.32 (mm) |
| IC 200-68234/6     |                  | 02/11/2014 20:50 | 1                  | 6101_006.d  | RTX-624 0.32 (mm) |
| IC 200-68234/7     |                  | 02/11/2014 21:39 | 1                  | 6101_007.d  | RTX-624 0.32 (mm) |
| ICIS 200-68234/8   |                  | 02/11/2014 22:30 | 1                  | 6101_008.d  | RTX-624 0.32 (mm) |
| IC 200-68234/9     |                  | 02/11/2014 23:18 | 1                  | 6101_009.d  | RTX-624 0.32 (mm) |
| IC 200-68234/10    |                  | 02/12/2014 00:07 | 1                  | 6101_010.d  | RTX-624 0.32 (mm) |
| IC 200-68234/11    |                  | 02/12/2014 00:55 | 1                  | 6101_011.d  | RTX-624 0.32 (mm) |
| VIBLK 200-68234/12 |                  | 02/12/2014 01:43 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-68234/13 |                  | 02/12/2014 02:32 | 1                  |             | RTX-624 0.32 (mm) |
| ICV 200-68234/14   |                  | 02/12/2014 03:20 | 1                  | 6101_014.d  | RTX-624 0.32 (mm) |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 280-54595-1

SDG No.: \_\_\_\_\_

Instrument ID: CHW.iStart Date: 04/25/2014 10:44Analysis Batch Number: 71232End Date: 04/26/2014 02:45

| LAB SAMPLE ID     | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|-------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-71232/1   |                  | 04/25/2014 10:44 | 1                  | 7223_001.d  | RTX-624 0.32 (mm) |
| CCVIS 200-71232/2 |                  | 04/25/2014 11:33 | 1                  |             | RTX-624 0.32 (mm) |
| CCVIS 200-71232/3 |                  | 04/25/2014 12:48 | 1                  | 7223_003.d  | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/25/2014 13:42 | 1                  |             | RTX-624 0.32 (mm) |
| LCS 200-71232/5   |                  | 04/25/2014 15:08 | 1                  | 7223_005.d  | RTX-624 0.32 (mm) |
| MB 200-71232/6    |                  | 04/25/2014 16:03 | 1                  | 7223_006.d  | RTX-624 0.32 (mm) |
| 280-54595-1       | 101VMP0101CA     | 04/25/2014 16:51 | 4                  | 7223_007.d  | RTX-624 0.32 (mm) |
| 280-54595-2       | 101VMP0201CA     | 04/25/2014 17:40 | 2.5                | 7223_008.d  | RTX-624 0.32 (mm) |
| 280-54595-3       | 101VMP0301CA     | 04/25/2014 18:28 | 15.2               | 7223_009.d  | RTX-624 0.32 (mm) |
| 280-54595-4       | 101VMP0101CC     | 04/25/2014 19:16 | 5                  | 7223_010.d  | RTX-624 0.32 (mm) |
| 280-54595-5       | 101IA0305CA      | 04/25/2014 20:05 | 5                  | 7223_011.d  | RTX-624 0.32 (mm) |
| 280-54595-6       | 101IA0405CA      | 04/25/2014 20:54 | 5                  | 7223_012.d  | RTX-624 0.32 (mm) |
| 280-54595-7       | 101OA0305CA      | 04/25/2014 21:44 | 1                  | 7223_013.d  | RTX-624 0.32 (mm) |
| 280-54595-8       | 101CA01CA        | 04/25/2014 22:34 | 1                  | 7223_014.d  | RTX-624 0.32 (mm) |
| 280-54595-9       | 041614TB         | 04/25/2014 23:23 | 1                  | 7223_015.d  | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/26/2014 00:13 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/26/2014 01:05 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/26/2014 01:55 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/26/2014 02:45 | 1                  |             | RTX-624 0.32 (mm) |

200-21737-A-1

Loc: 200

21737

## #1

A

**Certification Type:** ☒ Batch ☐ Individual

4443  
Location: Air Storage  
Bot's: Summa Canister 6L  
Sample: 4/18/04 12:00 AM 200-643751

| Canister Clean. |        |                      |               |                               |                         |                                                                        |                |               |            |
|-----------------|--------|----------------------|---------------|-------------------------------|-------------------------|------------------------------------------------------------------------|----------------|---------------|------------|
| System ID       |        | # Cycles             | Cleaning Date |                               | Technician              | Canister Size                                                          |                |               |            |
| Open 3/4        |        | 15                   | 4/7/14        |                               | MS                      | 6L                                                                     |                | 1L            | 3L         |
| Leak Test       |        |                      |               |                               |                         |                                                                        |                |               |            |
| Port            | Can ID | Initial <sup>1</sup> | Final         | Adjusted Initial <sup>2</sup> | Difference <sup>3</sup> | Initial Reading                                                        |                | Final Reading |            |
|                 |        | ("Hg)                | ("Hg)         | ("Hg)                         |                         | Gauge ID:                                                              | Date:          | Gauge ID:     | Date:      |
| 1               | 4443   | -29.1                | -29.7         | -29.5                         | 0.2                     | Gauge ID: 643                                                          | Date: 4/8/14   | Gauge ID: 613 | Date: 4/14 |
| 2               | 4294   | -                    | -             | -                             | -                       | Time: 1625                                                             | Time: 1010     |               |            |
| 3               | 5101   | -                    | -             | -                             | -                       | Tech: VS                                                               | Tech: ME       |               |            |
| 4               | 4918   | -                    | -             | -                             | -                       | BP: 29.1 ("Hg)                                                         | BP: 29.5 ("Hg) |               |            |
| 5               | 5654   | -                    | -             | -                             | -                       | Temp 22 (°C)                                                           | Temp: 72 (°C)  |               |            |
| 6               | 5729   | -                    | -             | -                             | -                       | <sup>3</sup> Acceptance Criteria:                                      |                |               |            |
| 7               | 5146   | -                    | -             | -                             | -                       | (1) The difference must be less than or equal to + 0.5                 |                |               |            |
| 8               | 4544   | -                    | -             | -                             | -                       | (2) Pressure readings must be at least 24 hours apart.                 |                |               |            |
| 9               | 3835   | -                    | -             | -                             | -                       | If time frame was not met, the PM must authorize shipment of canister. |                |               |            |
| 10              | 7332   | -                    | -             | -                             | -                       | PM Authorization:                                                      |                |               |            |
| 11              | 4455   | -                    | -             | -                             | -                       |                                                                        |                |               |            |
| 12              | 2455   | -                    | -             | -                             | -                       | Signature                                                              |                | Date          |            |

<sup>1</sup> 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.

<sup>2</sup> To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

<sup>3</sup> To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[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:**

Routine ~~APF~~ AVE 4/9/14

200-21778-A-5  
3210  
Location: Air Storage  
Bottle: Summa Canister 6L  
Sampled: 9/20/04 12:00 AM 200-644368

Loc: 200  
21778  
#5  
A

| Canister Cleaning & Pre-Shipment Leak Test |        |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
|--------------------------------------------|--------|----------------------|-------|-------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------------|
| System ID                                  |        | # Cycles             |       | Cleaning Date                 |                         | Technician                                                                                                                                                                                                                                           |                | Canister Size |               |
| Bottom                                     |        | 15                   |       | 4/9/14                        |                         | mc                                                                                                                                                                                                                                                   |                | 6L            | 1L 3L         |
| Leak Test                                  |        |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
| Port                                       | Can ID | Initial <sup>1</sup> | Final | Adjusted Initial <sup>2</sup> | Difference <sup>3</sup> | Initial Reading                                                                                                                                                                                                                                      |                | Final Reading |               |
|                                            |        | ("Hg)                | ("Hg) | ("Hg)                         |                         | Gauge ID:                                                                                                                                                                                                                                            | Date:          | Gauge ID:     | Date:         |
| 1                                          | 3263   | -29.7                | -29.7 | -29.5                         | 0.2                     | Gauge ID: G13                                                                                                                                                                                                                                        | Date: 4/10/14  | Gauge ID: G13 | Date: 4/14/14 |
| 2                                          | 4716   |                      |       |                               |                         | Time: 830                                                                                                                                                                                                                                            | Time: 1000     |               |               |
| 3                                          | 3290   |                      |       |                               |                         | Tech: mc                                                                                                                                                                                                                                             | Tech: mc       |               |               |
| 4                                          | 2907   |                      |       |                               |                         | BP: 29.7 ("Hg)                                                                                                                                                                                                                                       | BP: 29.5 ("Hg) |               |               |
| 5                                          | 3210   |                      |       |                               |                         | Temp 72 (°C)                                                                                                                                                                                                                                         | Temp: 72 (°C)  |               |               |
| 6                                          | 2521   |                      |       |                               |                         | <sup>3</sup> Acceptance Criteria:<br>(1) The difference must be less than or equal to + 0.5<br>(2) Pressure readings must be at least 24 hours apart.<br>If time frame was not met, the PM must authorize shipment of canister:<br>PM Authorization: |                |               |               |
| 7                                          | 4136   |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
| 8                                          | 4076   |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
| 9                                          | 4870   |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
| 10                                         | 3402   |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |
| 11                                         | 2945   |                      |       |                               |                         | Signature _____ Date _____                                                                                                                                                                                                                           |                |               |               |
| 12                                         | 5443   |                      |       |                               |                         |                                                                                                                                                                                                                                                      |                |               |               |

<sup>3</sup>To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[illegible]

**Inventory Level Limited Use:** Canisters may only be used for certain projects.

**Comments:**

Page 592 of 715

04/30/2014



Loc: 200  
21851  
#6  
A

**Certification Type:** ☒ Batch ☐ Individual

### Canister Cleaning & Pre-Shipment Leak Test

| System ID |        | # Cycles             | Cleaning Date | Technician                    | Canister Size           |                                                                                                                                                                                                                                                      |                |
|-----------|--------|----------------------|---------------|-------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| TOP       |        | 5                    | 4/12/14       | MB                            | 6L                      | 1L                                                                                                                                                                                                                                                   | 3L             |
| Leak Test |        |                      |               |                               |                         |                                                                                                                                                                                                                                                      |                |
| Port      | Can ID | Initial <sup>1</sup> | Final         | Adjusted Initial <sup>2</sup> | Difference <sup>3</sup> | Initial Reading                                                                                                                                                                                                                                      | Final Reading  |
|           |        | ("Hg)                | ("Hg)         | ("Hg)                         |                         | Gauge ID:                                                                                                                                                                                                                                            | Gauge ID:      |
| 1         | 4141   | 29.7                 | 30.3          | -30.0                         | 0.3                     | Date: 4/14/14                                                                                                                                                                                                                                        | Date: 4/16/14  |
| 2         | 3562   |                      |               |                               |                         | Time: 925                                                                                                                                                                                                                                            | Time: 1230     |
| 3         | 4100   |                      |               |                               |                         | Tech: ME                                                                                                                                                                                                                                             | Tech: ME       |
| 4         | 2520   |                      |               |                               |                         | BP: 29.5 ("Hg)                                                                                                                                                                                                                                       | BP: 30.0 ("Hg) |
| 5         | 3551   |                      |               |                               |                         | Temp: 22 (°C)                                                                                                                                                                                                                                        | Temp: 22 (°C)  |
| 6         | 3373   |                      |               |                               |                         | <sup>3</sup> Acceptance Criteria:<br>(1) The difference must be less than or equal to + 0.5<br>(2) Pressure readings must be at least 24 hours apart.<br>If time frame was not met, the PM must authorize shipment of canister.<br>PM Authorization: |                |
| 7         | 3087   |                      |               |                               |                         |                                                                                                                                                                                                                                                      |                |
| 8         | 4872   |                      |               |                               |                         |                                                                                                                                                                                                                                                      |                |
| 9         | 3160   |                      |               |                               |                         |                                                                                                                                                                                                                                                      |                |
| 10        | 4464   |                      |               |                               |                         |                                                                                                                                                                                                                                                      |                |
| 11        | 565    |                      |               |                               |                         | Signature                                                                                                                                                                                                                                            |                |
| 12        | 4220   |                      |               |                               |                         | Date                                                                                                                                                                                                                                                 |                |

<sup>1</sup> 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.

<sup>2</sup>To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

<sup>3</sup>To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

[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-LLT015.

**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.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 6933\_03.D  
 Lab ID: LCS 200-70486/3 Client ID: \_\_\_\_\_

| COMPOUND                      | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Propylene                     | 10.0                        | 8.70                              | 87              | 70-130              |   |
| Dichlorodifluoromethane       | 10.0                        | 9.86                              | 99              | 70-130              |   |
| Freon 22                      | 10.0                        | 9.76                              | 98              | 70-130              |   |
| 1,2-Dichlorotetrafluoroethane | 10.0                        | 10.4                              | 104             | 70-130              |   |
| Chloromethane                 | 10.0                        | 9.23                              | 92              | 70-130              |   |
| n-Butane                      | 10.0                        | 9.32                              | 93              | 70-130              |   |
| Vinyl chloride                | 10.0                        | 8.75                              | 87              | 70-130              |   |
| 1,3-Butadiene                 | 10.0                        | 9.16                              | 92              | 70-130              |   |
| Bromomethane                  | 10.0                        | 9.59                              | 96              | 70-130              |   |
| Chloroethane                  | 10.0                        | 10.0                              | 100             | 70-130              |   |
| Bromoethene (Vinyl Bromide)   | 10.0                        | 9.18                              | 92              | 70-130              |   |
| Trichlorofluoromethane        | 10.0                        | 9.04                              | 90              | 70-130              |   |
| Ethanol                       | 15.0                        | 13.2                              | 88              | 70-130              |   |
| Freon TF                      | 10.0                        | 9.34                              | 93              | 70-130              |   |
| 1,1-Dichloroethene            | 10.0                        | 9.43                              | 94              | 70-130              |   |
| Acetone                       | 10.0                        | 9.50                              | 95              | 70-130              |   |
| Isopropyl alcohol             | 10.0                        | 8.69                              | 87              | 70-130              |   |
| Carbon disulfide              | 10.0                        | 11.1                              | 111             | 70-130              |   |
| 3-Chloropropene               | 10.0                        | 8.59                              | 86              | 70-130              |   |
| Methylene Chloride            | 10.0                        | 9.53                              | 95              | 70-130              |   |
| tert-Butyl alcohol            | 10.0                        | 9.42                              | 94              | 70-130              |   |
| Methyl tert-butyl ether       | 10.0                        | 9.54                              | 95              | 70-130              |   |
| trans-1,2-Dichloroethene      | 10.0                        | 9.93                              | 99              | 70-130              |   |
| n-Hexane                      | 10.0                        | 9.76                              | 98              | 70-130              |   |
| 1,1-Dichloroethane            | 10.0                        | 8.98                              | 90              | 70-130              |   |
| Vinyl acetate                 | 10.0                        | 9.33                              | 93              | 70-130              |   |
| Ethyl acetate                 | 10.0                        | 10.7                              | 107             | 70-130              |   |
| Methyl Ethyl Ketone           | 10.0                        | 8.87                              | 89              | 70-130              |   |
| cis-1,2-Dichloroethene        | 10.0                        | 9.02                              | 90              | 70-130              |   |
| Chloroform                    | 10.0                        | 9.19                              | 92              | 70-130              |   |
| Tetrahydrofuran               | 10.0                        | 9.62                              | 96              | 70-130              |   |
| 1,1,1-Trichloroethane         | 10.0                        | 9.28                              | 93              | 70-130              |   |
| Cyclohexane                   | 10.0                        | 9.16                              | 92              | 70-130              |   |
| Carbon tetrachloride          | 10.0                        | 9.04                              | 90              | 70-130              |   |
| 2,2,4-Trimethylpentane        | 10.0                        | 8.79                              | 88              | 70-130              |   |
| Benzene                       | 10.0                        | 8.91                              | 89              | 70-130              |   |
| 1,2-Dichloroethane            | 10.0                        | 9.15                              | 92              | 70-130              |   |
| n-Heptane                     | 10.0                        | 8.49                              | 85              | 70-130              |   |
| Trichloroethene               | 10.0                        | 8.78                              | 88              | 70-130              |   |
| Methyl methacrylate           | 10.0                        | 9.46                              | 95              | 70-130              |   |
| 1,2-Dichloropropane           | 10.0                        | 8.56                              | 86              | 70-130              |   |
| 1,4-Dioxane                   | 10.0                        | 9.17                              | 92              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 6933\_03.D  
 Lab ID: LCS 200-70486/3 Client ID: \_\_\_\_\_

| COMPOUND                            | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Bromodichloromethane                | 10.0                        | 9.02                              | 90              | 70-130              |   |
| cis-1,3-Dichloropropene             | 10.0                        | 9.19                              | 92              | 70-130              |   |
| methyl isobutyl ketone              | 10.0                        | 8.89                              | 89              | 70-130              |   |
| Toluene                             | 10.0                        | 8.99                              | 90              | 70-130              |   |
| trans-1,3-Dichloropropene           | 10.0                        | 8.94                              | 89              | 70-130              |   |
| 1,1,2-Trichloroethane               | 10.0                        | 9.07                              | 91              | 70-130              |   |
| Tetrachloroethene                   | 10.0                        | 8.94                              | 89              | 70-130              |   |
| Methyl Butyl Ketone<br>(2-Hexanone) | 10.0                        | 8.87                              | 89              | 70-130              |   |
| Dibromochloromethane                | 10.0                        | 8.95                              | 90              | 70-130              |   |
| 1,2-Dibromoethane                   | 10.0                        | 9.07                              | 91              | 70-130              |   |
| Chlorobenzene                       | 10.0                        | 8.87                              | 89              | 70-130              |   |
| Ethylbenzene                        | 10.0                        | 8.85                              | 88              | 70-130              |   |
| m,p-Xylene                          | 20.0                        | 18.0                              | 90              | 70-130              |   |
| Xylene, o-                          | 10.0                        | 8.92                              | 89              | 70-130              |   |
| Styrene                             | 10.0                        | 8.98                              | 90              | 70-130              |   |
| Bromoform                           | 10.0                        | 9.16                              | 92              | 70-130              |   |
| Cumene                              | 10.0                        | 9.02                              | 90              | 70-130              |   |
| 1,1,2,2-Tetrachloroethane           | 10.0                        | 8.84                              | 88              | 70-130              |   |
| n-Propylbenzene                     | 10.0                        | 8.93                              | 89              | 70-130              |   |
| 4-Ethyltoluene                      | 10.0                        | 9.28                              | 93              | 70-130              |   |
| 1,3,5-Trimethylbenzene              | 10.0                        | 8.91                              | 89              | 70-130              |   |
| 2-Chlorotoluene                     | 10.0                        | 8.97                              | 90              | 70-130              |   |
| tert-Butylbenzene                   | 10.0                        | 8.99                              | 90              | 70-130              |   |
| 1,2,4-Trimethylbenzene              | 10.0                        | 8.82                              | 88              | 70-130              |   |
| sec-Butylbenzene                    | 10.0                        | 9.16                              | 92              | 70-130              |   |
| 4-Isopropyltoluene                  | 10.0                        | 9.16                              | 92              | 70-130              |   |
| 1,3-Dichlorobenzene                 | 10.0                        | 8.90                              | 89              | 70-130              |   |
| 1,4-Dichlorobenzene                 | 10.0                        | 8.83                              | 88              | 70-130              |   |
| Benzyl chloride                     | 10.0                        | 8.70                              | 87              | 70-130              |   |
| n-Butylbenzene                      | 10.0                        | 8.96                              | 90              | 70-130              |   |
| 1,2-Dichlorobenzene                 | 10.0                        | 8.81                              | 88              | 70-130              |   |
| 1,2,4-Trichlorobenzene              | 10.0                        | 9.09                              | 91              | 70-130              |   |
| Hexachlorobutadiene                 | 10.0                        | 9.37                              | 94              | 70-130              |   |
| Naphthalene                         | 10.0                        | 8.45                              | 85              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 6972\_003.D  
 Lab ID: LCS 200-70582/3 Client ID: \_\_\_\_\_

| COMPOUND                      | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Propylene                     | 10.0                        | 8.24                              | 82              | 70-130              |   |
| Dichlorodifluoromethane       | 10.0                        | 9.16                              | 92              | 70-130              |   |
| Freon 22                      | 10.0                        | 8.53                              | 85              | 70-130              |   |
| 1,2-Dichlorotetrafluoroethane | 10.0                        | 9.42                              | 94              | 70-130              |   |
| Chloromethane                 | 10.0                        | 7.97                              | 80              | 70-130              |   |
| n-Butane                      | 10.0                        | 8.18                              | 82              | 70-130              |   |
| Vinyl chloride                | 10.0                        | 7.97                              | 80              | 70-130              |   |
| 1,3-Butadiene                 | 10.0                        | 7.92                              | 79              | 70-130              |   |
| Bromomethane                  | 10.0                        | 8.58                              | 86              | 70-130              |   |
| Chloroethane                  | 10.0                        | 8.81                              | 88              | 70-130              |   |
| Bromoethene (Vinyl Bromide)   | 10.0                        | 8.80                              | 88              | 70-130              |   |
| Trichlorofluoromethane        | 10.0                        | 9.16                              | 92              | 70-130              |   |
| Ethanol                       | 15.0                        | 13.4                              | 90              | 70-130              |   |
| Freon TF                      | 10.0                        | 8.87                              | 89              | 70-130              |   |
| 1,1-Dichloroethene            | 10.0                        | 8.86                              | 89              | 70-130              |   |
| Acetone                       | 10.0                        | 9.74                              | 97              | 70-130              |   |
| Isopropyl alcohol             | 10.0                        | 7.97                              | 80              | 70-130              |   |
| Carbon disulfide              | 10.0                        | 10.2                              | 102             | 70-130              |   |
| 3-Chloropropene               | 10.0                        | 7.96                              | 80              | 70-130              |   |
| Methylene Chloride            | 10.0                        | 8.72                              | 87              | 70-130              |   |
| tert-Butyl alcohol            | 10.0                        | 8.57                              | 86              | 70-130              |   |
| Methyl tert-butyl ether       | 10.0                        | 9.13                              | 91              | 70-130              |   |
| trans-1,2-Dichloroethene      | 10.0                        | 9.57                              | 96              | 70-130              |   |
| n-Hexane                      | 10.0                        | 9.17                              | 92              | 70-130              |   |
| 1,1-Dichloroethane            | 10.0                        | 8.58                              | 86              | 70-130              |   |
| Vinyl acetate                 | 10.0                        | 9.18                              | 92              | 70-130              |   |
| Ethyl acetate                 | 10.0                        | 10.2                              | 102             | 70-130              |   |
| Methyl Ethyl Ketone           | 10.0                        | 8.35                              | 83              | 70-130              |   |
| cis-1,2-Dichloroethene        | 10.0                        | 8.80                              | 88              | 70-130              |   |
| Chloroform                    | 10.0                        | 9.20                              | 92              | 70-130              |   |
| Tetrahydrofuran               | 10.0                        | 9.86                              | 99              | 70-130              |   |
| 1,1,1-Trichloroethane         | 10.0                        | 9.90                              | 99              | 70-130              |   |
| Cyclohexane                   | 10.0                        | 9.57                              | 96              | 70-130              |   |
| Carbon tetrachloride          | 10.0                        | 9.58                              | 96              | 70-130              |   |
| 2,2,4-Trimethylpentane        | 10.0                        | 9.19                              | 92              | 70-130              |   |
| Benzene                       | 10.0                        | 9.08                              | 91              | 70-130              |   |
| 1,2-Dichloroethane            | 10.0                        | 9.75                              | 98              | 70-130              |   |
| n-Heptane                     | 10.0                        | 8.88                              | 89              | 70-130              |   |
| Trichloroethene               | 10.0                        | 9.22                              | 92              | 70-130              |   |
| Methyl methacrylate           | 10.0                        | 9.82                              | 98              | 70-130              |   |
| 1,2-Dichloropropane           | 10.0                        | 8.97                              | 90              | 70-130              |   |
| 1,4-Dioxane                   | 10.0                        | 8.81                              | 88              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 6972\_003.D  
 Lab ID: LCS 200-70582/3 Client ID: \_\_\_\_\_

| COMPOUND                            | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Bromodichloromethane                | 10.0                        | 9.61                              | 96              | 70-130              |   |
| cis-1,3-Dichloropropene             | 10.0                        | 9.55                              | 96              | 70-130              |   |
| methyl isobutyl ketone              | 10.0                        | 9.44                              | 94              | 70-130              |   |
| Toluene                             | 10.0                        | 9.21                              | 92              | 70-130              |   |
| trans-1,3-Dichloropropene           | 10.0                        | 9.70                              | 97              | 70-130              |   |
| 1,1,2-Trichloroethane               | 10.0                        | 9.32                              | 93              | 70-130              |   |
| Tetrachloroethene                   | 10.0                        | 9.35                              | 94              | 70-130              |   |
| Methyl Butyl Ketone<br>(2-Hexanone) | 10.0                        | 9.20                              | 92              | 70-130              |   |
| Dibromochloromethane                | 10.0                        | 9.62                              | 96              | 70-130              |   |
| 1,2-Dibromoethane                   | 10.0                        | 9.63                              | 96              | 70-130              |   |
| Chlorobenzene                       | 10.0                        | 9.38                              | 94              | 70-130              |   |
| Ethylbenzene                        | 10.0                        | 9.47                              | 95              | 70-130              |   |
| m,p-Xylene                          | 20.0                        | 18.9                              | 95              | 70-130              |   |
| Xylene, o-                          | 10.0                        | 9.30                              | 93              | 70-130              |   |
| Styrene                             | 10.0                        | 9.43                              | 94              | 70-130              |   |
| Bromoform                           | 10.0                        | 9.66                              | 97              | 70-130              |   |
| Cumene                              | 10.0                        | 9.54                              | 95              | 70-130              |   |
| 1,1,2,2-Tetrachloroethane           | 10.0                        | 9.45                              | 95              | 70-130              |   |
| n-Propylbenzene                     | 10.0                        | 9.59                              | 96              | 70-130              |   |
| 4-Ethyltoluene                      | 10.0                        | 9.86                              | 99              | 70-130              |   |
| 1,3,5-Trimethylbenzene              | 10.0                        | 9.53                              | 95              | 70-130              |   |
| 2-Chlorotoluene                     | 10.0                        | 9.51                              | 95              | 70-130              |   |
| tert-Butylbenzene                   | 10.0                        | 9.50                              | 95              | 70-130              |   |
| 1,2,4-Trimethylbenzene              | 10.0                        | 9.36                              | 94              | 70-130              |   |
| sec-Butylbenzene                    | 10.0                        | 9.45                              | 94              | 70-130              |   |
| 4-Isopropyltoluene                  | 10.0                        | 9.59                              | 96              | 70-130              |   |
| 1,3-Dichlorobenzene                 | 10.0                        | 9.62                              | 96              | 70-130              |   |
| 1,4-Dichlorobenzene                 | 10.0                        | 9.70                              | 97              | 70-130              |   |
| Benzyl chloride                     | 10.0                        | 9.12                              | 91              | 70-130              |   |
| n-Butylbenzene                      | 10.0                        | 9.62                              | 96              | 70-130              |   |
| 1,2-Dichlorobenzene                 | 10.0                        | 9.63                              | 96              | 70-130              |   |
| 1,2,4-Trichlorobenzene              | 10.0                        | 9.23                              | 92              | 70-130              |   |
| Hexachlorobutadiene                 | 10.0                        | 9.03                              | 90              | 70-130              |   |
| Naphthalene                         | 10.0                        | 8.89                              | 89              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 7034\_003.D  
 Lab ID: LCS 200-70761/3 Client ID: \_\_\_\_\_

| COMPOUND                      | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Propylene                     | 10.0                        | 11.1                              | 111             | 70-130              |   |
| Dichlorodifluoromethane       | 10.0                        | 11.1                              | 111             | 70-130              |   |
| Freon 22                      | 10.0                        | 12.3                              | 123             | 70-130              |   |
| 1,2-Dichlorotetrafluoroethane | 10.0                        | 12.8                              | 128             | 70-130              |   |
| Chloromethane                 | 10.0                        | 12.5                              | 125             | 70-130              |   |
| n-Butane                      | 10.0                        | 13.1                              | 131             | 70-130              | * |
| Vinyl chloride                | 10.0                        | 11.6                              | 116             | 70-130              |   |
| 1,3-Butadiene                 | 10.0                        | 12.1                              | 121             | 70-130              |   |
| Bromomethane                  | 10.0                        | 11.3                              | 113             | 70-130              |   |
| Chloroethane                  | 10.0                        | 12.2                              | 122             | 70-130              |   |
| Bromoethene (Vinyl Bromide)   | 10.0                        | 11.6                              | 117             | 70-130              |   |
| Trichlorofluoromethane        | 10.0                        | 10.6                              | 106             | 70-130              |   |
| Ethanol                       | 15.0                        | 21.9                              | 146             | 70-130              | * |
| Freon TF                      | 10.0                        | 11.7                              | 117             | 70-130              |   |
| 1,1-Dichloroethene            | 10.0                        | 11.6                              | 116             | 70-130              |   |
| Acetone                       | 10.0                        | 13.0                              | 130             | 70-130              |   |
| Isopropyl alcohol             | 10.0                        | 11.6                              | 116             | 70-130              |   |
| Carbon disulfide              | 10.0                        | 14.1                              | 141             | 70-130              | * |
| 3-Chloropropene               | 10.0                        | 13.0                              | 130             | 70-130              |   |
| Methylene Chloride            | 10.0                        | 12.9                              | 129             | 70-130              |   |
| tert-Butyl alcohol            | 10.0                        | 11.7                              | 117             | 70-130              |   |
| Methyl tert-butyl ether       | 10.0                        | 12.6                              | 126             | 70-130              |   |
| trans-1,2-Dichloroethene      | 10.0                        | 13.7                              | 137             | 70-130              | * |
| n-Hexane                      | 10.0                        | 14.1                              | 141             | 70-130              | * |
| 1,1-Dichloroethane            | 10.0                        | 12.3                              | 123             | 70-130              |   |
| Vinyl acetate                 | 10.0                        | 13.2                              | 132             | 70-130              | * |
| Ethyl acetate                 | 10.0                        | 13.2                              | 132             | 70-130              | * |
| Methyl Ethyl Ketone           | 10.0                        | 11.5                              | 115             | 70-130              |   |
| cis-1,2-Dichloroethene        | 10.0                        | 11.4                              | 114             | 70-130              |   |
| Chloroform                    | 10.0                        | 11.1                              | 111             | 70-130              |   |
| Tetrahydrofuran               | 10.0                        | 14.3                              | 143             | 70-130              | * |
| 1,1,1-Trichloroethane         | 10.0                        | 11.3                              | 113             | 70-130              |   |
| Cyclohexane                   | 10.0                        | 12.6                              | 126             | 70-130              |   |
| Carbon tetrachloride          | 10.0                        | 10.5                              | 105             | 70-130              |   |
| 2,2,4-Trimethylpentane        | 10.0                        | 12.6                              | 126             | 70-130              |   |
| Benzene                       | 10.0                        | 12.1                              | 121             | 70-130              |   |
| 1,2-Dichloroethane            | 10.0                        | 11.7                              | 117             | 70-130              |   |
| n-Heptane                     | 10.0                        | 12.1                              | 121             | 70-130              |   |
| Trichloroethene               | 10.0                        | 10.3                              | 103             | 70-130              |   |
| Methyl methacrylate           | 10.0                        | 11.5                              | 116             | 70-130              |   |
| 1,2-Dichloropropane           | 10.0                        | 10.9                              | 109             | 70-130              |   |
| 1,4-Dioxane                   | 10.0                        | 9.83                              | 98              | 70-130              |   |

# Column to be used to flag recovery and RPD values

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

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Air Level: Low Lab File ID: 7034\_003.D  
 Lab ID: LCS 200-70761/3 Client ID: \_\_\_\_\_

| COMPOUND                            | SPIKE<br>ADDED<br>(ppb v/v) | LCS<br>CONCENTRATION<br>(ppb v/v) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-------------------------------------|-----------------------------|-----------------------------------|-----------------|---------------------|---|
| Bromodichloromethane                | 10.0                        | 10.8                              | 108             | 70-130              |   |
| cis-1,3-Dichloropropene             | 10.0                        | 11.1                              | 111             | 70-130              |   |
| methyl isobutyl ketone              | 10.0                        | 11.6                              | 116             | 70-130              |   |
| Toluene                             | 10.0                        | 10.9                              | 109             | 70-130              |   |
| trans-1,3-Dichloropropene           | 10.0                        | 11.1                              | 111             | 70-130              |   |
| 1,1,2-Trichloroethane               | 10.0                        | 11.1                              | 111             | 70-130              |   |
| Tetrachloroethene                   | 10.0                        | 9.85                              | 99              | 70-130              |   |
| Methyl Butyl Ketone<br>(2-Hexanone) | 10.0                        | 12.3                              | 123             | 70-130              |   |
| Dibromochloromethane                | 10.0                        | 10.6                              | 106             | 70-130              |   |
| 1,2-Dibromoethane                   | 10.0                        | 10.9                              | 109             | 70-130              |   |
| Chlorobenzene                       | 10.0                        | 10.8                              | 108             | 70-130              |   |
| Ethylbenzene                        | 10.0                        | 11.1                              | 111             | 70-130              |   |
| m,p-Xylene                          | 20.0                        | 22.1                              | 111             | 70-130              |   |
| Xylene, o-                          | 10.0                        | 10.8                              | 108             | 70-130              |   |
| Styrene                             | 10.0                        | 11.5                              | 115             | 70-130              |   |
| Bromoform                           | 10.0                        | 10.3                              | 103             | 70-130              |   |
| Cumene                              | 10.0                        | 10.9                              | 109             | 70-130              |   |
| 1,1,2,2-Tetrachloroethane           | 10.0                        | 11.1                              | 111             | 70-130              |   |
| n-Propylbenzene                     | 10.0                        | 11.5                              | 115             | 70-130              |   |
| 4-Ethyltoluene                      | 10.0                        | 12.1                              | 121             | 70-130              |   |
| 1,3,5-Trimethylbenzene              | 10.0                        | 10.9                              | 109             | 70-130              |   |
| 2-Chlorotoluene                     | 10.0                        | 11.6                              | 116             | 70-130              |   |
| tert-Butylbenzene                   | 10.0                        | 10.5                              | 105             | 70-130              |   |
| 1,2,4-Trimethylbenzene              | 10.0                        | 10.8                              | 109             | 70-130              |   |
| sec-Butylbenzene                    | 10.0                        | 10.9                              | 109             | 70-130              |   |
| 4-Isopropyltoluene                  | 10.0                        | 11.1                              | 111             | 70-130              |   |
| 1,3-Dichlorobenzene                 | 10.0                        | 10.9                              | 109             | 70-130              |   |
| 1,4-Dichlorobenzene                 | 10.0                        | 10.6                              | 106             | 70-130              |   |
| Benzyl chloride                     | 10.0                        | 10.6                              | 106             | 70-130              |   |
| n-Butylbenzene                      | 10.0                        | 11.2                              | 112             | 70-130              |   |
| 1,2-Dichlorobenzene                 | 10.0                        | 9.91                              | 99              | 70-130              |   |
| 1,2,4-Trichlorobenzene              | 10.0                        | 8.42                              | 84              | 70-130              |   |
| Hexachlorobutadiene                 | 10.0                        | 12.9                              | 129             | 70-130              |   |
| Naphthalene                         | 10.0                        | 7.26                              | 73              | 70-130              |   |

# Column to be used to flag recovery and RPD values

FORM IV  
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
SDG No.: \_\_\_\_\_  
Lab File ID: 6933\_04.D Lab Sample ID: MB 200-70486/4  
Matrix: Air Heated Purge: (Y/N) N  
Instrument ID: CHC.i Date Analyzed: 04/08/2014 12:51  
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID   | LAB<br>FILE ID | DATE ANALYZED    |
|------------------|-----------------|----------------|------------------|
|                  | LCS 200-70486/3 | 6933_03.D      | 04/08/2014 11:59 |
| 4443             | 200-21737-1     | 6933_15.D      | 04/08/2014 23:19 |



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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70486/4  
 Matrix: Air Lab File ID: 6933\_04.D  
 Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
 Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2014 12:51  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 70486 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.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70486/4  
 Matrix: Air Lab File ID: 6933\_04.D  
 Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
 Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2014 12:51  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 70486 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.: 200-21737-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70486/4  
Matrix: Air Lab File ID: 6933\_04.D  
Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
Sample wt/vol: 200 (mL) Date Analyzed: 04/08/2014 12:51  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: RTX-624 ID: 0.32 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 70486 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\CHC.i\20140408-6933.b\6933\_04.D  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 08-Apr-2014 12:51:30 ALS Bottle#: 4 Worklist Smp#: 4  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006933-004  
 Misc. Info.: mb  
 Operator ID: wrd Instrument ID: CHC.i  
 Method: \\BTV-LIMS1\ChromData\CHC.i\20140408-6933.b\TO15\_LLNJ\_TO3\_CHC.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 09-Apr-2014 11:21:26 Calib Date: 18-Mar-2014 16:40:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584\_10.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK017

First Level Reviewer: desjardinsb

Date: 09-Apr-2014 11:21:26

| Compound                            | Sig | RT    | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|-------------------------------------|-----|-------|-----------|-----------|----|----------|-----------------------|-------|
| 3 Difluoroethane TIC                | 51  |       | 3.150     |           |    |          |                       |       |
| 4 Chlorotrifluoroethene TIC         | 116 |       | 3.162     |           |    |          |                       |       |
| 5 Freon 115 TIC                     | 85  |       | 3.180     |           |    |          |                       |       |
| 1 Propene                           | 41  |       | 3.186     |           |    |          |                       |       |
| 2 Dichlorodifluoromethane           | 85  |       | 3.261     |           |    |          |                       |       |
| 6 Chlorodifluoromethane             | 51  |       | 3.320     |           |    |          |                       |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro  | 85  |       | 3.549     |           |    |          |                       |       |
| 8 Chloromethane                     | 50  |       | 3.704     |           |    |          |                       |       |
| 9 Butane                            | 43  |       | 3.923     |           |    |          |                       |       |
| 10 Vinyl chloride                   | 62  |       | 3.971     |           |    |          |                       |       |
| 11 Butadiene                        | 54  |       | 4.056     |           |    |          |                       |       |
| 12 Bromomethane                     | 94  |       | 4.798     |           |    |          |                       |       |
| 13 Chloroethane                     | 64  |       | 5.054     |           |    |          |                       |       |
| 14 2-Methylbutane                   | 43  |       | 5.129     |           |    |          |                       |       |
| 15 Vinyl bromide                    | 106 |       | 5.471     |           |    |          |                       |       |
| 16 Trichlorofluoromethane           | 101 |       | 5.577     |           |    |          |                       |       |
| 17 Pentane                          | 43  |       | 5.727     |           |    |          |                       |       |
| 20 1,1,1-Trifluoro-2,2-dichloroetha | 83  |       | 6.000     |           |    |          |                       |       |
| 19 Ethanol                          | 45  |       | 6.234     |           |    |          |                       |       |
| 21 Ethyl ether                      | 59  |       | 6.293     |           |    |          |                       |       |
| 22 Acrolein                         | 56  |       | 6.703     |           |    |          |                       |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 101 |       | 6.714     |           |    |          |                       |       |
| 24 1,1-Dichloroethene               | 96  |       | 6.762     |           |    |          |                       |       |
| 25 Acetone                          | 43  |       | 7.040     |           |    |          |                       |       |
| 26 Carbon disulfide                 | 76  |       | 7.146     |           |    |          |                       |       |
| 28 Methyl Acetate TIC               | 43  |       | 7.200     |           |    |          |                       |       |
| 27 Isopropyl alcohol                | 45  |       | 7.360     |           |    |          |                       |       |
| 29 3-Chloro-1-propene               | 41  |       | 7.589     |           |    |          |                       |       |
| 30 Acetonitrile                     | 41  |       | 7.760     |           |    |          |                       |       |
| 31 Methylene Chloride               | 49  | 7.894 | 7.899     | -0.005    | 38 | 2212     | 0.0708                |       |
| 32 2-Methyl-2-propanol              | 59  |       | 8.160     |           |    |          |                       |       |

| Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q   | Response | On-Col Amt<br>ppb v/v | Flags           |
|-----|--------------|------------------|------------------|-----|----------|-----------------------|-----------------|
|     | 33           |                  |                  | 73  | 8.321    |                       |                 |
|     | 34           |                  |                  | 61  | 8.342    |                       |                 |
|     | 35           |                  |                  | 53  | 8.534    |                       |                 |
|     | 36           |                  |                  | 57  | 8.742    |                       |                 |
|     | 37           |                  |                  | 63  | 9.260    |                       |                 |
|     | 38           |                  |                  | 43  | 9.356    |                       |                 |
| S   | 41           |                  |                  | 61  | 10.200   |                       |                 |
|     | 39           |                  |                  | 96  | 10.423   |                       |                 |
|     | 40           |                  |                  | 72  | 10.503   |                       |                 |
|     | 42           |                  |                  | 88  | 10.541   |                       |                 |
| *   | 43           |                  |                  | 128 | 10.909   | 10.914 -0.005         | 64 582448 10.0  |
|     | 44           |                  |                  | 42  | 10.930   |                       |                 |
|     | 45           |                  |                  | 83  | 11.058   |                       |                 |
|     | 46           |                  |                  | 84  | 11.288   |                       |                 |
|     | 47           |                  |                  | 97  | 11.331   |                       |                 |
|     | 49           |                  |                  | 55  | 11.500   |                       |                 |
|     | 48           |                  |                  | 117 | 11.587   |                       |                 |
|     | 51           |                  |                  | 57  | 12.040   |                       |                 |
|     | 50           |                  |                  | 78  | 12.088   |                       |                 |
|     | 52           |                  |                  | 62  | 12.291   |                       |                 |
|     | 53           |                  |                  | 43  | 12.457   |                       |                 |
| *   | 54           |                  |                  | 114 | 12.980   | 12.980 0.0            | 91 3215544 10.0 |
|     | 55           |                  |                  | 56  | 13.433   |                       |                 |
|     | 56           |                  |                  | 95  | 13.465   |                       |                 |
| A   | 57           |                  |                  | 1   | 13.492   | 5.119 - 21.865        | 0 800309 0      |
|     | 58           |                  |                  | 63  | 14.063   |                       |                 |
|     | 59           |                  |                  | 69  | 14.245   |                       |                 |
|     | 60           |                  |                  | 88  | 14.309   |                       |                 |
|     | 61           |                  |                  | 174 | 14.330   |                       |                 |
|     | 62           |                  |                  | 83  | 14.629   |                       |                 |
| A   | 63           |                  |                  | 1   | 15.269   | 3.176 - 27.362        | 0 869359 4.74   |
|     | 64           |                  |                  | 75  | 15.589   |                       |                 |
|     | 65           |                  |                  | 43  | 15.899   |                       |                 |
|     | 66           |                  |                  | 92  | 16.187   |                       |                 |
| A   | 67           |                  |                  | 1   | 16.187   | 16.147 -16.227        | 0 4436 NC       |
|     | 68           |                  |                  | 43  | 16.230   |                       |                 |
| A   | 69           |                  |                  | 1   | 16.213   | 16.180 -16.247        | 0 5760 NC       |
|     | 70           |                  |                  | 75  | 16.801   |                       |                 |
|     | 71           |                  |                  | 83  | 17.185   |                       |                 |
|     | 72           |                  |                  | 166 | 17.271   |                       |                 |
|     | 73           |                  |                  | 43  | 17.644   |                       |                 |
|     | 74           |                  |                  | 129 | 17.948   |                       |                 |
|     | 75           |                  |                  | 107 | 18.226   |                       |                 |
| *   | 76           |                  |                  | 117 | 19.117   | 19.117 0.0            | 79 3160042 10.0 |
|     | 77           |                  |                  | 112 | 19.181   |                       |                 |
|     | 80           |                  |                  | 75  | 19.300   |                       |                 |
|     | 78           |                  |                  | 91  | 19.331   |                       |                 |
|     | 79           |                  |                  | 57  | 19.437   |                       |                 |
|     | 81           |                  |                  | 106 | 19.581   |                       |                 |
| S   | 82           |                  |                  | 106 | 20.100   |                       |                 |
|     | 83           |                  |                  | 106 | 20.393   |                       |                 |
|     | 84           |                  |                  | 104 | 20.441   |                       |                 |

| Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response      | On-Col Amt<br>ppb v/v | Flags    |
|-----|--------------|------------------|------------------|--------|---------------|-----------------------|----------|
|     | 85           |                  | 173              |        | 20.841        |                       |          |
|     | 86           |                  | 105              |        | 21.022        |                       |          |
| \$  | 87           |                  | 95               | 21.375 | 21.380 -0.005 | 95 1880468            | NC       |
|     | 88           |                  | 83               |        | 21.647        |                       |          |
|     | 90           |                  | 91               |        | 21.706        |                       |          |
|     | 89           |                  | 75               |        | 21.743        |                       |          |
|     | 93           |                  | 57               |        | 21.855        |                       |          |
|     | 91           |                  | 105              |        | 21.887        |                       |          |
|     | 92           |                  | 91               |        | 21.898        |                       |          |
|     | 94           |                  | 105              |        | 21.988        |                       |          |
|     | 95           |                  | 118              |        | 22.341        |                       |          |
|     | 96           |                  | 119              |        | 22.458        |                       |          |
|     | 97           |                  | 105              |        | 22.549        |                       |          |
|     | 98           |                  | 105              |        | 22.773        |                       |          |
|     | 99           |                  | 119              |        | 22.970        |                       |          |
|     | 100          |                  | 146              | 23.008 | 23.008 0.0    | 41 3364               | 0.008432 |
|     | 101          |                  | 146              | 23.141 | 23.146 -0.005 | 53 4444               | 0.0111   |
|     | 102          |                  | 91               |        | 23.355        |                       |          |
|     | 103          |                  | 91               |        | 23.557        |                       |          |
|     | 104          |                  | 57               |        | 23.563        |                       |          |
|     | 105          |                  | 146              | 23.701 | 23.702 -0.001 | 31 2871               | 0.007554 |
|     | 106          |                  | 57               |        | 25.217        |                       |          |
|     | 107          |                  | 180              | 26.322 | 26.327 -0.005 | 26 6498               | 0.0215   |
|     | 108          |                  | 225              |        | 26.514        |                       |          |
|     | 109          |                  | 128              |        | 26.850        |                       |          |
|     | 110          |                  | 180              |        | 27.352        |                       |          |
|     | 111          |                  | 1                |        | 0.0           |                       |          |

## WorkSheet Quantitation Report

| Sig | RT | Lower<br>RT | Upper<br>RT | Q | Response | On-Col Amt<br>ppb v/v | Ratio Range | Ratio | Flags |
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140408-6933.b\6933\_04.D

Injection Date: 08-Apr-2014 12:51:30

Instrument ID: CHC.i

Operator ID: wrd

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

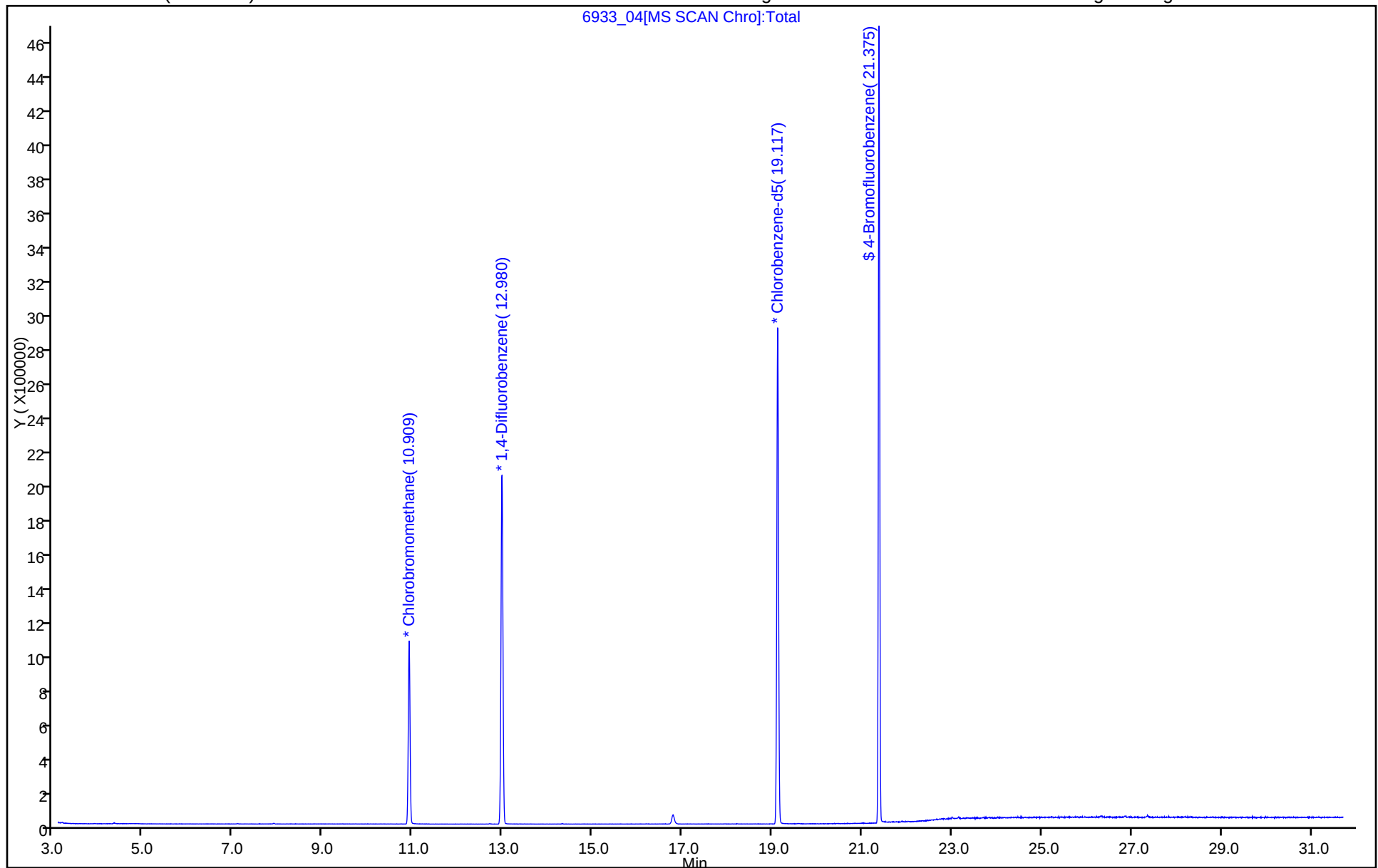
ALS Bottle#: 4

Method: TO15\_LLNJ\_TO3\_CHC

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (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.: 200-21778-1  
SDG No.: \_\_\_\_\_  
Lab File ID: 6972\_004.D Lab Sample ID: MB 200-70582/4  
Matrix: Air Heated Purge: (Y/N) N  
Instrument ID: CHB.i Date Analyzed: 04/10/2014 12:48  
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID   | LAB<br>FILE ID | DATE ANALYZED    |
|------------------|-----------------|----------------|------------------|
|                  | LCS 200-70582/3 | 6972_003.D     | 04/10/2014 11:56 |
| 3210             | 200-21778-5     | 6972_028.D     | 04/11/2014 10:31 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70582/4  
 Matrix: Air Lab File ID: 6972\_004.D  
 Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
 Sample wt/vol: 200 (mL) Date Analyzed: 04/10/2014 12:48  
 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.: 70582 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.: 200-21778-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70582/4

Matrix: Air Lab File ID: 6972\_004.D

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/10/2014 12:48

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.: 70582 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.: 200-21778-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70582/4  
Matrix: Air Lab File ID: 6972\_004.D  
Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
Sample wt/vol: 200 (mL) Date Analyzed: 04/10/2014 12:48  
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.: 70582 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\20140410-6972.b\6972\_004.D  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 10-Apr-2014 12:48:30 ALS Bottle#: 3 Worklist Smp#: 4  
 Purge Vol: 5.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0006972-004  
 Misc. Info.: mb  
 Operator ID: pad Instrument ID: CHB.i  
 Method: \\Btv-lims1\chromdata\CHB.i\20140410-6972.b\TO15\_LLNJ\_TO3.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 11-Apr-2014 13:11:58 Calib Date: 14-Mar-2014 18:16:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557\_010.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK016

First Level Reviewer: lyonsb

Date: 11-Apr-2014 11:20:44

| Compound                      | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q | Response | OnCol Amt<br>ppb v/v | Flags |
|-------------------------------|-----|--------------|------------------|------------------|---|----------|----------------------|-------|
| 1 Difluoroethane TIC          | 51  |              | 3.150            |                  |   |          |                      |       |
| 2 Chlorotrifluoroethene TIC   | 116 |              | 3.162            |                  |   |          |                      |       |
| 4 Propene                     | 41  |              | 3.171            |                  |   |          |                      |       |
| 3 Freon 115 TIC               | 85  |              | 3.180            |                  |   |          |                      |       |
| 5 Dichlorodifluoromethane     | 85  |              | 3.235            |                  |   |          |                      |       |
| 6 Chlorodifluoromethane       | 51  |              | 3.272            |                  |   |          |                      |       |
| 7 1,2-Dichloro-1,1,2,2-tetra  | 85  |              | 3.464            |                  |   |          |                      |       |
| 8 Chloromethane               | 50  |              | 3.603            |                  |   |          |                      |       |
| 9 Butane                      | 43  |              | 3.784            |                  |   |          |                      |       |
| 10 Vinyl chloride             | 62  |              | 3.832            |                  |   |          |                      |       |
| 11 Butadiene                  | 54  |              | 3.902            |                  |   |          |                      |       |
| 12 Bromomethane               | 94  |              | 4.622            |                  |   |          |                      |       |
| 14 Chloroethane               | 64  |              | 4.868            |                  |   |          |                      |       |
| 15 2-Methylbutane             | 43  |              | 4.937            |                  |   |          |                      |       |
| 16 Vinyl bromide              | 106 |              | 5.289            |                  |   |          |                      |       |
| 17 Trichlorofluoromethane     | 101 |              | 5.385            |                  |   |          |                      |       |
| 18 Pentane                    | 43  |              | 5.514            |                  |   |          |                      |       |
| 19 Ethanol                    | 45  |              | 5.882            |                  |   |          |                      |       |
| 21 Ethyl ether                | 59  |              | 6.015            |                  |   |          |                      |       |
| 22 Acrolein                   | 56  |              | 6.426            |                  |   |          |                      |       |
| 20 1,1,1-Trifluoro-2,2-dichlo | 83  |              | 6.430            |                  |   |          |                      |       |
| 23 1,1,2-Trichloro-1,2,2-trif | 101 |              | 6.437            |                  |   |          |                      |       |
| 24 1,1-Dichloroethene         | 96  |              | 6.517            |                  |   |          |                      |       |
| 25 Acetone                    | 43  |              | 6.709            |                  |   |          |                      |       |
| 26 Isopropyl alcohol          | 45  |              | 6.906            |                  |   |          |                      |       |
| 27 Carbon disulfide           | 76  |              | 6.949            |                  |   |          |                      |       |
| 28 Methyl Acetate TIC         | 43  |              | 7.200            |                  |   |          |                      |       |
| 29 3-Chloro-1-propene         | 41  |              | 7.243            |                  |   |          |                      |       |
| 30 Acetonitrile               | 41  |              | 7.360            |                  |   |          |                      |       |
| 31 Methylene Chloride         | 49  |              | 7.515            |                  |   |          |                      |       |
| 32 2-Methyl-2-propanol        | 59  |              | 7.616            |                  |   |          |                      |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 33 Methyl tert-butyl ether     | 73  |              | 7.840            |                  |    |          |                      |       |
| 34 trans-1,2-Dichloroethene    | 61  |              | 7.910            |                  |    |          |                      |       |
| 35 Acrylonitrile               | 53  |              | 8.033            |                  |    |          |                      |       |
| 36 Hexane                      | 57  |              | 8.219            |                  |    |          |                      |       |
| 37 1,1-Dichloroethane          | 63  |              | 8.673            |                  |    |          |                      |       |
| 38 Vinyl acetate               | 43  |              | 8.684            |                  |    |          |                      |       |
| 41 Ethyl acetate               | 88  |              | 9.580            |                  |    |          |                      |       |
| 40 2-Butanone (MEK)            | 72  |              | 9.586            |                  |    |          |                      |       |
| 39 cis-1,2-Dichloroethene      | 96  |              | 9.586            |                  |    |          |                      |       |
| 43 Tetrahydrofuran             | 42  |              | 9.954            |                  |    |          |                      |       |
| * 44 Chlorobromomethane        | 128 | 9.954        | 9.959            | -0.005           | 65 | 794498   | 10.0                 |       |
| S 42 1,2-Dichloroethene, Total | 61  |              | 10.000           |                  |    |          |                      |       |
| 45 Chloroform                  | 83  |              | 10.029           |                  |    |          |                      |       |
| 46 Cyclohexane                 | 84  |              | 10.269           |                  |    |          |                      |       |
| 47 1,1,1-Trichloroethane       | 97  |              | 10.274           |                  |    |          |                      |       |
| 48 Carbon tetrachloride        | 117 |              | 10.472           |                  |    |          |                      |       |
| 49 Isooctane                   | 57  |              | 10.738           |                  |    |          |                      |       |
| 50 Benzene                     | 78  |              | 10.813           |                  |    |          |                      |       |
| 51 1,2-Dichloroethane          | 62  |              | 10.930           |                  |    |          |                      |       |
| 52 n-Heptane                   | 43  |              | 10.989           |                  |    |          |                      |       |
| A 53 GRO                       | 1   | 11.029       | (4.927-17.131)   |                  | 0  | 461331   | 0                    |       |
| * 54 1,4-Difluorobenzene       | 114 | 11.357       | 11.357           | 0.000            | 91 | 3857589  | 10.0                 |       |
| 55 Methyl cyclohexane TIC      | 55  |              | 11.500           |                  |    |          |                      |       |
| 56 n-Butanol                   | 56  |              | 11.534           |                  |    |          |                      |       |
| 57 Trichloroethene             | 95  |              | 11.715           |                  |    |          |                      |       |
| 58 1,2-Dichloropropane         | 63  |              | 12.110           |                  |    |          |                      |       |
| 59 Methyl methacrylate         | 69  |              | 12.137           |                  |    |          |                      |       |
| 60 1,4-Dioxane                 | 88  |              | 12.227           |                  |    |          |                      |       |
| 61 Dibromomethane              | 174 |              | 12.297           |                  |    |          |                      |       |
| 62 Dichlorobromomethane        | 83  |              | 12.462           |                  |    |          |                      |       |
| A 63 TVOC as Toluene           | 1   | 12.700       | (3.161-22.239)   |                  | 0  | 553952   | 2.32                 |       |
| 64 cis-1,3-Dichloropropene     | 75  |              | 13.092           |                  |    |          |                      |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |              | 13.247           |                  |    |          |                      |       |
| A 66 C8 Range                  | 1   | 13.463       | (13.421-13.501)  |                  | 0  | 506      | NC                   |       |
| 67 n-Octane                    | 43  |              | 13.471           |                  |    |          |                      |       |
| 68 Toluene                     | 92  |              | 13.519           |                  |    |          |                      |       |
| A 69 Toluene Range             | 1   | 13.534       | (13.509-13.559)  |                  | 0  | 3787     | NC                   |       |
| 70 trans-1,3-Dichloropropene   | 75  |              | 13.887           |                  |    |          |                      |       |
| 71 1,1,2-Trichloroethane       | 83  |              | 14.165           |                  |    |          |                      |       |
| 72 Tetrachloroethene           | 166 |              | 14.271           |                  |    |          |                      |       |
| 73 2-Hexanone                  | 43  |              | 14.415           |                  |    |          |                      |       |
| 74 Chlorodibromomethane        | 129 |              | 14.704           |                  |    |          |                      |       |
| 75 Ethylene Dibromide          | 107 |              | 14.906           |                  |    |          |                      |       |
| * 76 Chlorobenzene-d5          | 117 | 15.445       | 15.446           | -0.001           | 80 | 3325554  | 10.0                 |       |
| 77 Chlorobenzene               | 112 |              | 15.488           |                  |    |          |                      |       |
| 78 n-Nonane                    | 57  |              | 15.542           |                  |    |          |                      |       |
| 79 Ethylbenzene                | 91  |              | 15.547           |                  |    |          |                      |       |
| 80 m-Xylene & p-Xylene         | 106 |              | 15.691           |                  |    |          |                      |       |
| S 81 Xylenes, Total            | 106 |              | 16.000           |                  |    |          |                      |       |
| 82 o-Xylene                    | 106 |              | 16.198           |                  |    |          |                      |       |
| 83 Styrene                     | 104 |              | 16.225           |                  |    |          |                      |       |
| 84 Bromoform                   | 173 |              | 16.524           |                  |    |          |                      |       |

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 85 Isopropylbenzene            | 105 |              | 16.604           |                  |    |          |                      |       |
| \$ 86 4-Bromofluorobenzene     | 95  | 16.865       | 16.865           | 0.000            | 98 | 1880183  | NC                   |       |
| 87 1,1,2,2-Tetrachloroethane   | 83  |              | 17.020           |                  |    |          |                      |       |
| 88 N-Propylbenzene             | 91  |              | 17.079           |                  |    |          |                      |       |
| 89 1,2,3-Trichloropropane      | 75  |              | 17.105           |                  |    |          |                      |       |
| 90 n-Decane                    | 57  |              | 17.121           |                  |    |          |                      |       |
| 91 4-Ethyltoluene              | 105 |              | 17.201           |                  |    |          |                      |       |
| 92 2-Chlorotoluene             | 91  |              | 17.244           |                  |    |          |                      |       |
| 93 1,3,5-Trimethylbenzene      | 105 |              | 17.265           |                  |    |          |                      |       |
| 94 Alpha Methyl Styrene        | 118 |              | 17.548           |                  |    |          |                      |       |
| 95 tert-Butylbenzene           | 119 |              | 17.650           |                  |    |          |                      |       |
| 96 1,2,4-Trimethylbenzene      | 105 |              | 17.724           |                  |    |          |                      |       |
| 97 sec-Butylbenzene            | 105 |              | 17.911           |                  |    |          |                      |       |
| 98 4-Isopropyltoluene          | 119 |              | 18.071           |                  |    |          |                      |       |
| 99 1,3-Dichlorobenzene         | 146 |              | 18.151           |                  |    |          |                      |       |
| 100 1,4-Dichlorobenzene        | 146 |              | 18.269           |                  |    |          |                      |       |
| 101 Benzyl chloride            | 91  |              | 18.434           |                  |    |          |                      |       |
| 102 Undecane                   | 57  |              | 18.530           |                  |    |          |                      |       |
| 103 n-Butylbenzene             | 91  |              | 18.589           |                  |    |          |                      |       |
| 104 1,2-Dichlorobenzene        | 146 |              | 18.770           |                  |    |          |                      |       |
| 105 1,2-Dibromo-3-Chloropropan | 75  |              | 19.300           |                  |    |          |                      |       |
| 106 Dodecane                   | 57  |              | 20.035           |                  |    |          |                      |       |
| 107 1,2,4-Trichlorobenzene     | 180 |              | 21.215           |                  |    |          |                      |       |
| 108 Hexachlorobutadiene        | 225 |              | 21.375           |                  |    |          |                      |       |
| 109 Naphthalene                | 128 |              | 21.738           |                  |    |          |                      |       |
| 110 1,2,3-Trichlorobenzene     | 180 |              | 22.229           |                  |    |          |                      |       |
| 111 Total Alkanes              | 1   |              | 0.000            |                  |    |          |                      |       |

Report Date: 11-Apr-2014 13:12:05

Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140410-6972.b\6972\_004.D

Injection Date: 10-Apr-2014 12:48:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: MB

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

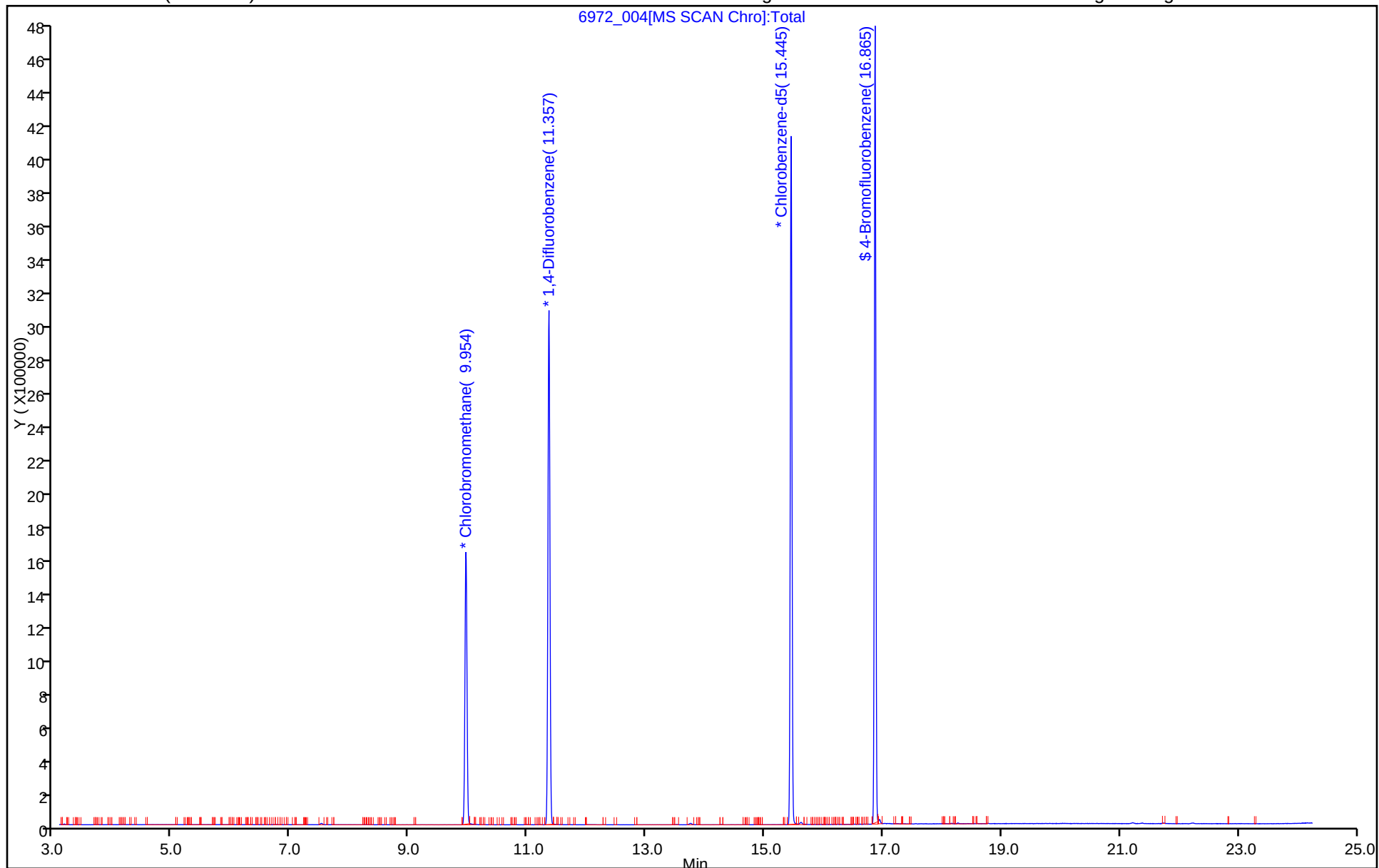
ALS Bottle#: 3

Method: TO15\_LLNJ\_TO3

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (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.: 200-21851-1  
SDG No.: \_\_\_\_\_  
Lab File ID: 7034\_005.D Lab Sample ID: MB 200-70761/5  
Matrix: Air Heated Purge: (Y/N) N  
Instrument ID: CHG.i Date Analyzed: 04/15/2014 12:20  
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID   | LAB<br>FILE ID | DATE ANALYZED    |
|------------------|-----------------|----------------|------------------|
|                  | LCS 200-70761/3 | 7034_003.D     | 04/15/2014 09:20 |
| 3373             | 200-21851-6     | 7034_028.D     | 04/16/2014 06:52 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70761/5  
 Matrix: Air Lab File ID: 7034\_005.D  
 Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
 Sample wt/vol: 200 (mL) Date Analyzed: 04/15/2014 12:20  
 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.: 70761 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.: 200-21851-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70761/5

Matrix: Air Lab File ID: 7034\_005.D

Analysis Method: TO-15 Date Collected: \_\_\_\_\_

Sample wt/vol: 200 (mL) Date Analyzed: 04/15/2014 12:20

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.: 70761 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.: 200-21851-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 200-70761/5  
Matrix: Air Lab File ID: 7034\_005.D  
Analysis Method: TO-15 Date Collected: \_\_\_\_\_  
Sample wt/vol: 200 (mL) Date Analyzed: 04/15/2014 12:20  
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.: 70761 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\CHG.i\20140415-7034.b\7034\_005.D  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 15-Apr-2014 12:20:30 ALS Bottle#: 5 Worklist Smp#: 5  
 Purge Vol: 200.000 mL Dil. Factor: 1.0000  
 Sample Info: 200-0007034-005  
 Misc. Info.: MB  
 Operator ID: WRD Instrument ID: CHG.i  
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140415-7034.b\TO15\_LLNJ\_TO3\_G.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 15-Apr-2014 15:56:03 Calib Date: 20-Feb-2014 21:54:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246\_013.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK008

First Level Reviewer: desjardinsb

Date: 15-Apr-2014 15:56:03

| Compound                      | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ppb v/v | OnCol Amt<br>ppb v/v | Flags |
|-------------------------------|-----|--------------|------------------|------------------|----|----------|--------------------|----------------------|-------|
| 1 Propene                     | 41  | 3.052        | 3.047            | 0.005            | 90 | 4584     |                    | 0.2154               |       |
| 2 Dichlorodifluoromethane     | 85  | 3.127        | 3.122            | 0.005            | 94 | 12404    |                    | 0.0841               |       |
| 3 Difluoroethane TIC          | 51  | 3.175        | 3.150            | 0.025            | 1  | 5808     |                    | NC                   |       |
| 4 Chlorotrifluoroethene TIC   | 116 |              | 3.162            |                  |    |          |                    |                      |       |
| 6 Chlorodifluoromethane       | 51  | 3.175        | 3.170            | 0.005            | 71 | 5808     |                    | 0.1046               |       |
| 5 Freon 115 TIC               | 85  | 3.127        | 3.180            | -0.053           | 32 | 12404    |                    | NC                   |       |
| 7 1,2-Dichloro-1,1,2,2-tetra  | 85  | 3.400        | 3.395            | 0.005            | 85 | 10398    |                    | 0.0823               |       |
| 8 Chloromethane               | 50  | 3.528        | 3.528            | 0.000            | 77 | 3542     |                    | 0.1264               |       |
| 9 Butane                      | 43  |              | 3.742            |                  |    |          |                    |                      |       |
| 10 Vinyl chloride             | 62  | 3.780        | 3.780            | 0.000            | 52 | 3056     |                    | 0.0796               |       |
| 11 Butadiene                  | 54  | 3.871        | 3.865            | 0.006            | 75 | 1956     |                    | 0.0874               |       |
| 12 Bromomethane               | 94  | 4.555        | 4.555            | 0.000            | 78 | 4361     |                    | 0.0798               |       |
| 14 Chloroethane               | 64  | 4.802        | 4.802            | 0.000            | 26 | 1106     |                    | 0.0726               |       |
| 15 2-Methylbutane             | 43  | 4.903        | 4.903            | 0.000            | 54 | 2324     |                    | 0.0961               |       |
| 16 Vinyl bromide              | 106 | 5.208        | 5.208            | 0.000            | 70 | 4579     |                    | 0.0772               |       |
| 17 Trichlorofluoromethane     | 101 | 5.326        | 5.326            | 0.000            | 85 | 12931    |                    | 0.0767               |       |
| 18 Pentane                    | 43  | 5.486        | 5.486            | 0.000            | 80 | 3517     |                    | 0.0940               |       |
| 19 Ethanol                    | 45  |              | 5.893            |                  |    |          |                    |                      |       |
| 20 1,1,1-Trifluoro-2,2-dichlo | 83  |              | 6.000            |                  |    |          |                    |                      |       |
| 21 Ethyl ether                | 59  | 6.027        | 6.016            | 0.011            | 3  | 748      |                    | 0.0397               |       |
| 22 Acrolein                   | 56  | 6.380        | 6.369            | 0.011            | 34 | 1175     |                    | 0.1308               |       |
| 23 1,1,2-Trichloro-1,2,2-trif | 101 | 6.449        | 6.444            | 0.005            | 76 | 8125     |                    | 0.0768               |       |
| 24 1,1-Dichloroethene         | 96  | 6.471        | 6.465            | 0.006            | 66 | 3378     |                    | 0.0754               |       |
| 25 Acetone                    | 43  |              | 6.685            |                  |    |          |                    |                      |       |
| 26 Carbon disulfide           | 76  | 6.856        | 6.850            | 0.006            | 89 | 11433    |                    | 0.1043               |       |
| 27 Isopropyl alcohol          | 45  |              | 7.000            |                  |    |          |                    |                      |       |
| 28 Methyl Acetate TIC         | 43  |              | 7.200            |                  |    |          |                    |                      |       |
| 29 3-Chloro-1-propene         | 41  | 7.262        | 7.268            | -0.006           | 50 | 2384     |                    | 0.0806               |       |
| 30 Acetonitrile               | 41  | 7.364        | 7.359            | 0.005            | 78 | 1795     |                    | 0.1128               |       |
| 31 Methylene Chloride         | 49  | 7.562        | 7.557            | 0.005            | 73 | 6099     |                    | 0.1834               |       |
| 32 2-Methyl-2-propanol        | 59  |              | 7.797            |                  |    |          |                    |                      |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.)   | Dlt RT (min.) | Q  | Response | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|-----------------|---------------|----|----------|-----------------|-------------------|-------|
| 33 Methyl tert-butyl ether     | 73  | 8.049     | 8.006           | 0.043         | 77 | 8932     |                 | 0.0849            |       |
| 34 trans-1,2-Dichloroethene    | 61  | 8.022     | 8.022           | 0.000         | 41 | 3376     |                 | 0.0691            |       |
| 35 Acrylonitrile               | 53  | 8.145     | 8.140           | 0.005         | 69 | 1368     |                 | 0.0761            |       |
| 36 Hexane                      | 57  | 8.455     | 8.461           | -0.006        | 71 | 3406     |                 | 0.0863            |       |
| 37 1,1-Dichloroethane          | 63  | 8.910     | 8.905           | 0.005         | 31 | 5929     |                 | 0.0828            |       |
| 38 Vinyl acetate               | 43  | 9.012     | 9.001           | 0.011         | 97 | 5616     |                 | 0.0811            |       |
| 39 cis-1,2-Dichloroethene      | 96  | 10.034    | 10.044          | -0.010        | 63 | 3604     |                 | 0.0594            |       |
| 40 2-Butanone (MEK)            | 72  |           | 10.087          |               |    |          |                 |                   |       |
| 42 Ethyl acetate               | 88  |           | 10.167          |               |    |          |                 |                   |       |
| S 41 1,2-Dichloroethene, Total | 61  |           |                 |               | 0  |          |                 | 0.1285            |       |
| * 43 Chlorobromomethane        | 128 | 10.504    | 10.510          | -0.006        | 72 | 470318   | 10.0            | 10.0              |       |
| 44 Tetrahydrofuran             | 42  | 10.569    | 10.531          | 0.038         | 83 | 3044     |                 | 0.1020            |       |
| 45 Chloroform                  | 83  | 10.649    | 10.659          | -0.010        | 70 | 9361     |                 | 0.0696            |       |
| 46 Cyclohexane                 | 84  |           | 10.954          |               |    |          |                 |                   |       |
| 47 1,1,1-Trichloroethane       | 97  | 10.954    | 10.959          | -0.005        | 66 | 10627    |                 | 0.0717            |       |
| 48 Carbon tetrachloride        | 117 | 11.232    | 11.227          | 0.005         | 83 | 11952    |                 | 0.0633            |       |
| 49 Methyl cyclohexane TIC      | 55  |           | 11.500          |               |    |          |                 |                   |       |
| 50 Benzene                     | 78  | 11.681    | 11.692          | -0.011        | 77 | 14851    |                 | 0.0887            |       |
| 51 Isooctane                   | 57  | 11.724    | 11.719          | 0.005         | 92 | 16979    |                 | 0.0850            |       |
| 52 1,2-Dichloroethane          | 62  | 11.852    | 11.858          | -0.006        | 67 | 6551     |                 | 0.0784            |       |
| 53 n-Heptane                   | 43  | 12.120    | 12.131          | -0.011        | 78 | 2716     |                 | 0.0366            |       |
| * 54 1,4-Difluorobenzene       | 114 | 12.564    | 12.569          | -0.005        | 92 | 2509694  | 10.0            | 10.0              |       |
| 55 n-Butanol                   | 56  |           | 12.965          |               |    |          |                 |                   |       |
| 56 Trichloroethene             | 95  | 13.056    | 13.061          | -0.005        | 85 | 13397    |                 | 0.1128            |       |
| A 57 GRO                       | 1   | 13.270    | (4.893-21.647)  |               | 0  | 2391614  |                 | 0                 |       |
| 58 1,2-Dichloropropane         | 63  | 13.623    | 13.618          | 0.005         | 63 | 3353     |                 | 0.0428            |       |
| 59 Methyl methacrylate         | 69  | 13.843    | 13.832          | 0.011         | 50 | 3761     |                 | 0.0552            |       |
| 60 1,4-Dioxane                 | 88  |           | 13.864          |               |    |          |                 |                   |       |
| 61 Dibromomethane              | 174 | 13.875    | 13.880          | -0.005        | 90 | 7505     |                 | 0.0566            |       |
| 62 Dichlorobromomethane        | 83  | 14.196    | 14.196          | 0.000         | 86 | 11512    |                 | 0.0588            |       |
| A 63 TVOC as Toluene           | 1   | 14.990    | (3.037-26.943)  |               | 0  | 3032055  |                 | 16.5              |       |
| 64 cis-1,3-Dichloropropene     | 75  | 15.169    | 15.175          | -0.006        | 60 | 4809     |                 | 0.0361            |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  | 15.506    | 15.474          | 0.032         | 82 | 7479     |                 | 0.0610            |       |
| A 67 Toluene Range             | 1   | 15.801    | (15.761-15.841) |               | 0  | 59079    |                 | NC                |       |
| 66 Toluene                     | 92  | 15.801    | 15.801          | 0.000         | 83 | 12743    |                 | 0.0763            |       |
| A 68 C8 Range                  | 1   | 15.910    | (15.868-15.951) |               | 0  | 40339    |                 | NC                |       |
| 69 n-Octane                    | 43  | 15.924    | 15.918          | 0.006         | 86 | 10001    |                 | 0.0778            |       |
| 70 trans-1,3-Dichloropropene   | 75  | 16.384    | 16.384          | 0.000         | 65 | 7398     |                 | 0.0545            |       |
| 71 1,1,2-Trichloroethane       | 83  | 16.753    | 16.758          | -0.005        | 75 | 5621     |                 | 0.0672            |       |
| 72 Tetrachloroethene           | 166 | 16.913    | 16.913          | 0.000         | 87 | 11987    |                 | 0.0668            |       |
| 73 2-Hexanone                  | 43  |           | 17.229          |               |    |          |                 |                   |       |
| 74 Chlorodibromomethane        | 129 | 17.523    | 17.534          | -0.011        | 75 | 11894    |                 | 0.0551            |       |
| 75 Ethylene Dibromide          | 107 | 17.807    | 17.807          | 0.000         | 80 | 10042    |                 | 0.0596            |       |
| * 76 Chlorobenzene-d5          | 117 | 18.732    | 18.732          | 0.000         | 82 | 2280476  | 10.0            | 10.0              |       |
| 77 Chlorobenzene               | 112 | 18.796    | 18.791          | 0.005         | 23 | 17260    |                 | 0.0712            |       |
| 78 Ethylbenzene                | 91  | 18.962    | 18.968          | -0.006        | 88 | 25114    |                 | 0.0724            |       |
| 79 n-Nonane                    | 57  | 19.144    | 19.139          | 0.005         | 79 | 9165     |                 | 0.0742            |       |
| 80 m-Xylene & p-Xylene         | 106 | 19.208    | 19.219          | -0.011        | 99 | 20368    |                 | 0.1436            |       |
| 81 1,2-Dibromo-3-Chloropropan  | 75  |           | 19.300          |               |    |          |                 |                   |       |
| 83 o-Xylene                    | 106 | 20.048    | 20.048          | 0.000         | 78 | 10167    |                 | 0.0687            |       |
| 84 Styrene                     | 104 | 20.096    | 20.096          | 0.000         | 71 | 9669     |                 | 0.0490            |       |
| S 82 Xylenes, Total            | 106 |           |                 |               | 0  |          |                 | 0.2122            |       |

| Compound                     | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ppb v/v | OnCol Amt ppb v/v | Flags |
|------------------------------|-----|-----------|---------------|---------------|----|----------|-----------------|-------------------|-------|
| 85 Bromoform                 | 173 | 20.487    | 20.482        | 0.005         | 81 | 8771     |                 | 0.0429            |       |
| 86 Isopropylbenzene          | 105 | 20.722    | 20.722        | 0.000         | 89 | 28724    |                 | 0.0704            |       |
| \$ 87 4-Bromofluorobenzene   | 95  | 21.065    | 21.065        | 0.000         | 96 | 1105720  | NC              | NC                |       |
| 88 1,1,2,2-Tetrachloroethane | 83  | 21.321    | 21.321        | 0.000         | 89 | 17305    |                 | 0.0859            |       |
| 89 1,2,3-Trichloropropane    | 75  | 21.418    | 21.418        | 0.000         | 88 | 8401     |                 | 0.0630            |       |
| 90 N-Propylbenzene           | 91  | 21.428    | 21.428        | 0.000         | 96 | 29782    |                 | 0.0708            |       |
| 92 2-Chlorotoluene           | 91  | 21.616    | 21.616        | 0.000         | 88 | 22727    |                 | 0.0798            |       |
| 91 4-Ethyltoluene            | 105 | 21.616    | 21.616        | 0.000         | 82 | 23731    |                 | 0.0693            |       |
| 93 n-Decane                  | 57  | 21.637    | 21.637        | 0.000         | 85 | 9003     |                 | 0.0716            |       |
| 94 1,3,5-Trimethylbenzene    | 105 | 21.717    | 21.723        | -0.006        | 91 | 21771    |                 | 0.0643            |       |
| 95 Alpha Methyl Styrene      | 118 | 22.076    | 22.076        | 0.000         | 75 | 6273     |                 | 0.0405            |       |
| 96 tert-Butylbenzene         | 119 | 22.204    | 22.204        | 0.000         | 87 | 23827    |                 | 0.0693            |       |
| 97 1,2,4-Trimethylbenzene    | 105 | 22.295    | 22.295        | 0.000         | 90 | 21741    |                 | 0.0664            |       |
| 98 sec-Butylbenzene          | 105 | 22.525    | 22.525        | 0.000         | 96 | 33018    |                 | 0.0691            |       |
| 99 4-Isopropyltoluene        | 119 | 22.723    | 22.728        | -0.005        | 78 | 24513    |                 | 0.0617            |       |
| 100 1,3-Dichlorobenzene      | 146 | 22.744    | 22.739        | 0.005         | 81 | 10998    |                 | 0.0540            |       |
| 101 1,4-Dichlorobenzene      | 146 | 22.867    | 22.873        | -0.006        | 80 | 9417     |                 | 0.0477            |       |
| 102 Benzyl chloride          | 91  | 23.301    | 23.065        | 0.236         | 44 | 12084    |                 | 0.0577            |       |
| 103 n-Butylbenzene           | 91  |           | 23.306        |               |    |          |                 |                   |       |
| 104 Undecane                 | 57  |           | 23.354        |               |    |          |                 |                   |       |
| 105 1,2-Dichlorobenzene      | 146 | 23.413    | 23.413        | 0.000         | 90 | 11112    |                 | 0.0492            |       |
| 106 Dodecane                 | 57  |           | 24.975        |               |    |          |                 |                   |       |
| 107 1,2,4-Trichlorobenzene   | 180 | 25.965    | 25.965        | 0.000         | 29 | 3336     |                 | 0.0277            |       |
| 108 Hexachlorobutadiene      | 225 | 26.190    | 26.179        | 0.011         | 32 | 3311     |                 | 0.0326            |       |
| 109 Naphthalene              | 128 |           | 26.446        |               |    |          |                 |                   |       |
| 110 1,2,3-Trichlorobenzene   | 180 |           | 26.933        |               |    |          |                 |                   |       |

Report Date: 15-Apr-2014 15:56:03

Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140415-7034.b\7034\_005.D

Injection Date: 15-Apr-2014 12:20:30

Instrument ID: CHG.i

Operator ID: WRD

Lims ID: MB

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

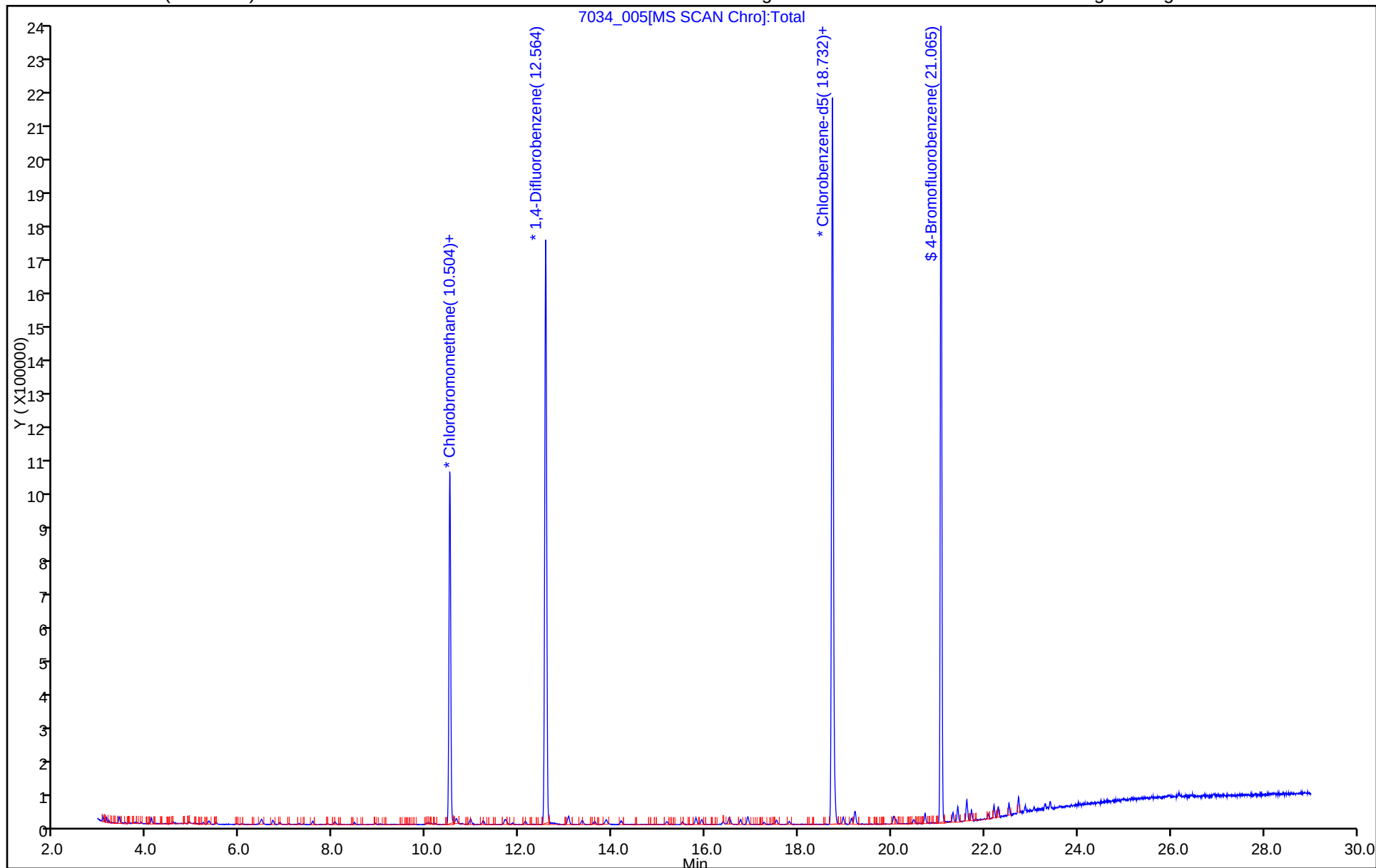
ALS Bottle#: 5

Method: TO15\_LLNJ\_TO3\_G

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6584\_01.D BFB Injection Date: 03/18/2014  
 Instrument ID: CHC.i BFB Injection Time: 07:56  
 Analysis Batch No.: 69583

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 15.8                 |
| 75  | 30.0 - 66.0% of mass 95            | 46.8                 |
| 95  | Base peak, 100% relative abundance | 100.0                |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.4 (0.5) 1          |
| 174 | 50.0 - 120.0% of mass 95           | 77.1                 |
| 175 | 4.0 - 9.0 % of mass 174            | 5.4 (7.0) 1          |
| 176 | 93.0 - 101.0% of mass 174          | 74.6 (96.8) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 (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 200-69583/3   | 6584_03.D   | 03/18/2014    | 09:42         |
|                  | IC 200-69583/4   | 6584_04.D   | 03/18/2014    | 10:34         |
|                  | IC 200-69583/6   | 6584_06.D   | 03/18/2014    | 12:18         |
|                  | ICIS 200-69583/7 | 6584_07.D   | 03/18/2014    | 13:10         |
|                  | IC 200-69583/8   | 6584_08.D   | 03/18/2014    | 14:03         |
|                  | IC 200-69583/17  | 6584_17.D   | 03/18/2014    | 14:55         |
|                  | IC 200-69583/9   | 6584_09.D   | 03/18/2014    | 15:47         |
|                  | IC 200-69583/10  | 6584_10.D   | 03/18/2014    | 16:40         |
|                  | ICV 200-69583/13 | 6584_13.D   | 03/18/2014    | 19:09         |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6933\_01.D BFB Injection Date: 04/08/2014  
 Instrument ID: CHC.i BFB Injection Time: 10:16  
 Analysis Batch No.: 70486

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 14.3                 |
| 75  | 30.0 - 66.0% of mass 95            | 44.4                 |
| 95  | Base peak, 100% relative abundance | 100.0                |
| 96  | 5.0 - 9.0% of mass 95              | 6.8                  |
| 173 | Less than 2.0% of mass 174         | 0.2 (0.3)1           |
| 174 | 50.0 - 120.0% of mass 95           | 80.0                 |
| 175 | 4.0 - 9.0 % of mass 174            | 5.7 (7.2)1           |
| 176 | 93.0 - 101.0% of mass 174          | 77.8 (97.2)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 200-70486/2 | 6933_02.D   | 04/08/2014    | 11:07         |
|                  | LCS 200-70486/3   | 6933_03.D   | 04/08/2014    | 11:59         |
|                  | MB 200-70486/4    | 6933_04.D   | 04/08/2014    | 12:51         |
| 4443             | 200-21737-1       | 6933_15.D   | 04/08/2014    | 23:19         |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6557\_001.D BFB Injection Date: 03/14/2014  
 Instrument ID: CHB.i BFB Injection Time: 10:21  
 Analysis Batch No.: 69511

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 10.4                 |
| 75  | 30.0 - 66.0% of mass 95            | 38.6                 |
| 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           | 102.0                |
| 175 | 4.0 - 9.0 % of mass 174            | 7.3 (7.1)1           |
| 176 | 93.0 - 101.0% of mass 174          | 98.9 (97.0)1         |
| 177 | 5.0 - 9.0% of mass 176             | 6.5 (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 200-69511/3   | 6557_003.D  | 03/14/2014    | 12:11         |
|                  | IC 200-69511/4   | 6557_004.D  | 03/14/2014    | 13:03         |
|                  | IC 200-69511/5   | 6557_005.D  | 03/14/2014    | 13:55         |
|                  | IC 200-69511/6   | 6557_006.D  | 03/14/2014    | 14:47         |
|                  | ICIS 200-69511/7 | 6557_007.D  | 03/14/2014    | 15:39         |
|                  | IC 200-69511/8   | 6557_008.D  | 03/14/2014    | 16:31         |
|                  | IC 200-69511/9   | 6557_009.D  | 03/14/2014    | 17:24         |
|                  | IC 200-69511/10  | 6557_010.D  | 03/14/2014    | 18:16         |
|                  | ICV 200-69511/13 | 6557_013.D  | 03/14/2014    | 20:54         |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6972\_001.D BFB Injection Date: 04/10/2014  
 Instrument ID: CHB.i BFB Injection Time: 10:11  
 Analysis Batch No.: 70582

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 11.1                 |
| 75  | 30.0 - 66.0% of mass 95            | 40.4                 |
| 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           | 97.7                 |
| 175 | 4.0 - 9.0 % of mass 174            | 6.9 (7.0)1           |
| 176 | 93.0 - 101.0% of mass 174          | 94.5 (96.7)1         |
| 177 | 5.0 - 9.0% of mass 176             | 6.1 (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 200-70582/2 | 6972_002.D  | 04/10/2014    | 11:04         |
|                  | LCS 200-70582/3   | 6972_003.D  | 04/10/2014    | 11:56         |
|                  | MB 200-70582/4    | 6972_004.D  | 04/10/2014    | 12:48         |
| 3210             | 200-21778-5       | 6972_028.D  | 04/11/2014    | 10:31         |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 6246\_001.D BFB Injection Date: 02/20/2014  
 Instrument ID: CHG.i BFB Injection Time: 12:20  
 Analysis Batch No.: 68619

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 12.5                 |
| 75  | 30.0 - 66.0% of mass 95            | 40.2                 |
| 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         | 0.5 (0.5) 1          |
| 174 | 50.0 - 120.0% of mass 95           | 93.6                 |
| 175 | 4.0 - 9.0 % of mass 174            | 6.7 (7.2) 1          |
| 176 | 93.0 - 101.0% of mass 174          | 90.8 (97.1) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 5.8 (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 200-68619/6    | 6246_006.D  | 02/20/2014    | 16:25         |
|                  | IC 200-68619/7    | 6246_007.D  | 02/20/2014    | 17:12         |
|                  | IC 200-68619/8    | 6246_008.D  | 02/20/2014    | 17:59         |
|                  | IC 200-68619/9    | 6246_009.D  | 02/20/2014    | 18:46         |
|                  | ICIS 200-68619/10 | 6246_010.D  | 02/20/2014    | 19:33         |
|                  | IC 200-68619/11   | 6246_011.D  | 02/20/2014    | 20:20         |
|                  | IC 200-68619/12   | 6246_012.D  | 02/20/2014    | 21:07         |
|                  | IC 200-68619/13   | 6246_013.D  | 02/20/2014    | 21:54         |
|                  | ICV 200-68619/16  | 6246_016.D  | 02/21/2014    | 00:15         |

FORM V  
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: 7034\_001.D BFB Injection Date: 04/15/2014  
 Instrument ID: CHG.i BFB Injection Time: 07:34  
 Analysis Batch No.: 70761

| 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            | 41.0                 |
| 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         | 0.6 (0.6)1           |
| 174 | 50.0 - 120.0% of mass 95           | 96.5                 |
| 175 | 4.0 - 9.0 % of mass 174            | 6.8 (7.1)1           |
| 176 | 93.0 - 101.0% of mass 174          | 94.4 (97.8)1         |
| 177 | 5.0 - 9.0% of mass 176             | 5.8 (6.1)2           |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT SAMPLE ID | LAB SAMPLE ID     | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|-------------------|-------------|---------------|---------------|
|                  | CCVIS 200-70761/2 | 7034_002.D  | 04/15/2014    | 08:34         |
|                  | LCS 200-70761/3   | 7034_003.D  | 04/15/2014    | 09:20         |
|                  | MB 200-70761/5    | 7034_005.D  | 04/15/2014    | 12:20         |
| 3373             | 200-21851-6       | 7034_028.D  | 04/16/2014    | 06:52         |

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: ICIS 200-69583/7 Date Analyzed: 03/18/2014 13:10  
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 6584\_07.D Heated Purge: (Y/N) N  
 Calibration ID: 26036

|                               | BCM              |        | DFB     |         | CBZ     |         |       |
|-------------------------------|------------------|--------|---------|---------|---------|---------|-------|
|                               | AREA #           | RT #   | AREA #  | RT #    | AREA #  | RT #    |       |
| INITIAL CALIBRATION MID-POINT | 599013           | 10.92  | 3215123 | 12.99   | 3281594 | 19.13   |       |
| UPPER LIMIT                   | 838618           | 11.25  | 4501172 | 13.32   | 4594232 | 19.46   |       |
| LOWER LIMIT                   | 359408           | 10.59  | 1929074 | 12.66   | 1968956 | 18.80   |       |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |        |         |         |         |         |       |
| ICV 200-69583/13              |                  | 695752 | 10.91   | 3933850 | 12.98   | 4013451 | 19.12 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 200-70486/2 Date Analyzed: 04/08/2014 11:07  
 Instrument ID: CHC.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 6933\_02.D Heated Purge: (Y/N) N  
 Calibration ID: 26036

|                 |      | BCM              |       | DFB     |       | CBZ     |       |
|-----------------|------|------------------|-------|---------|-------|---------|-------|
|                 |      | AREA #           | RT #  | AREA #  | RT #  | AREA #  | RT #  |
| 12/24 HOUR STD  |      | 583349           | 10.91 | 3120217 | 12.98 | 3219443 | 19.12 |
| UPPER LIMIT     |      | 816689           | 11.24 | 4368304 | 13.31 | 4507220 | 19.45 |
| LOWER LIMIT     |      | 350009           | 10.58 | 1872130 | 12.65 | 1931666 | 18.79 |
| LAB SAMPLE ID   |      | CLIENT SAMPLE ID |       |         |       |         |       |
| LCS 200-70486/3 |      | 615290           | 10.91 | 3366041 | 12.98 | 3464216 | 19.12 |
| MB 200-70486/4  |      | 582448           | 10.91 | 3215544 | 12.98 | 3160042 | 19.12 |
| 200-21737-1     | 4443 | 594364           | 10.91 | 3339832 | 12.97 | 3307056 | 19.12 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits



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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: ICIS 200-69511/7 Date Analyzed: 03/14/2014 15:39  
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 6557\_007.D Heated Purge: (Y/N) N  
 Calibration ID: 25935

|                               | BCM              |        | DFB     |         | CBZ     |         |
|-------------------------------|------------------|--------|---------|---------|---------|---------|
|                               | AREA #           | RT #   | AREA #  | RT #    | AREA #  | RT #    |
| INITIAL CALIBRATION MID-POINT | 675362           | 9.96   | 3332868 | 11.37   | 2921558 | 15.46   |
| UPPER LIMIT                   | 945507           | 10.29  | 4666015 | 11.70   | 4090181 | 15.79   |
| LOWER LIMIT                   | 405217           | 9.63   | 1999721 | 11.04   | 1752935 | 15.13   |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |        |         |         |         |         |
| ICV 200-69511/13              |                  | 693647 | 9.96    | 3447206 | 11.37   | 2967928 |
|                               |                  |        |         |         |         | 15.46   |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 200-70582/2 Date Analyzed: 04/10/2014 11:04  
 Instrument ID: CHB.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 6972\_002.D Heated Purge: (Y/N) N  
 Calibration ID: 25935

|                 |      | BCM              |       | DFB     |       | CBZ     |       |
|-----------------|------|------------------|-------|---------|-------|---------|-------|
|                 |      | AREA #           | RT #  | AREA #  | RT #  | AREA #  | RT #  |
| 12/24 HOUR STD  |      | 782999           | 9.96  | 3683481 | 11.36 | 3219467 | 15.45 |
| UPPER LIMIT     |      | 1096199          | 10.29 | 5156873 | 11.69 | 4507254 | 15.78 |
| LOWER LIMIT     |      | 469799           | 9.63  | 2210089 | 11.03 | 1931680 | 15.12 |
| LAB SAMPLE ID   |      | CLIENT SAMPLE ID |       |         |       |         |       |
| LCS 200-70582/3 |      | 798078           | 9.96  | 3790561 | 11.36 | 3336183 | 15.45 |
| MB 200-70582/4  |      | 794498           | 9.95  | 3857589 | 11.36 | 3325554 | 15.45 |
| 200-21778-5     | 3210 | 759920           | 9.96  | 3611955 | 11.36 | 3135634 | 15.45 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: ICIS 200-68619/10 Date Analyzed: 02/20/2014 19:33  
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 6246\_010.D Heated Purge: (Y/N) N  
 Calibration ID: 25722

|                               |  | BCM              |       | DFB     |       | CBZ     |       |
|-------------------------------|--|------------------|-------|---------|-------|---------|-------|
|                               |  | AREA #           | RT #  | AREA #  | RT #  | AREA #  | RT #  |
| INITIAL CALIBRATION MID-POINT |  | 715346           | 10.56 | 4040627 | 12.63 | 4191149 | 18.79 |
| UPPER LIMIT                   |  | 1001484          | 10.89 | 5656878 | 12.96 | 5867609 | 19.12 |
| LOWER LIMIT                   |  | 429208           | 10.23 | 2424376 | 12.30 | 2514689 | 18.46 |
| LAB SAMPLE ID                 |  | CLIENT SAMPLE ID |       |         |       |         |       |
| ICV 200-68619/16              |  | 732981           | 10.56 | 4217854 | 12.62 | 4337814 | 18.79 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 200-70761/2 Date Analyzed: 04/15/2014 08:34  
 Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32 (mm)  
 Lab File ID (Standard): 7034\_002.D Heated Purge: (Y/N) N  
 Calibration ID: 25722

|                 |      | BCM              |       | DFB     |       | CBZ     |       |
|-----------------|------|------------------|-------|---------|-------|---------|-------|
|                 |      | AREA #           | RT #  | AREA #  | RT #  | AREA #  | RT #  |
| 12/24 HOUR STD  |      | 493815           | 10.51 | 2701393 | 12.57 | 2670138 | 18.73 |
| UPPER LIMIT     |      | 691341           | 10.84 | 3781950 | 12.90 | 3738193 | 19.06 |
| LOWER LIMIT     |      | 296289           | 10.18 | 1620836 | 12.24 | 1602083 | 18.40 |
| LAB SAMPLE ID   |      | CLIENT SAMPLE ID |       |         |       |         |       |
| LCS 200-70761/3 |      | 490336           | 10.52 | 2609443 | 12.58 | 2575105 | 18.73 |
| MB 200-70761/5  |      | 470318           | 10.50 | 2509694 | 12.56 | 2280476 | 18.73 |
| 200-21851-6     | 3373 | 513144           | 10.51 | 2885127 | 12.58 | 2275583 | 18.74 |

BCM = Bromochloromethane  
 DFB = 1,4-Difluorobenzene  
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area  
 RT Limit =  $\pm$  0.33 minutes of internal standard RT

# Column used to flag values outside QC limits

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1

SDG No.: \_\_\_\_\_

Client Sample ID: 4443 Lab Sample ID: 200-21737-1

Matrix: Air Lab File ID: 6933\_15.D

Analysis Method: TO-15 Date Collected: 04/07/2014 00:00

Sample wt/vol: \_\_\_\_\_ Date Analyzed: 04/08/2014 23:19

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.: 70486 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.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: 4443 Lab Sample ID: 200-21737-1  
 Matrix: Air Lab File ID: 6933\_15.D  
 Analysis Method: TO-15 Date Collected: 04/07/2014 00:00  
 Sample wt/vol: \_\_\_\_\_ Date Analyzed: 04/08/2014 23:19  
 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.: 70486 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.: 200-21737-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 4443 Lab Sample ID: 200-21737-1  
Matrix: Air Lab File ID: 6933\_15.D  
Analysis Method: TO-15 Date Collected: 04/07/2014 00:00  
Sample wt/vol: \_\_\_\_\_ Date Analyzed: 04/08/2014 23:19  
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.: 70486 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\CHC.i\20140408-6933.b\6933\_15.D  
 Lims ID: 200-21737-A-1 Lab Sample ID: 200-21737-1  
 Client ID: 4443  
 Sample Type: Client  
 Inject. Date: 08-Apr-2014 23:19:30 ALS Bottle#: 15 Worklist Smp#: 15  
 Purge Vol: 200.000 mL Dil. Factor: 0.2000  
 Sample Info: 200-0006933-015  
 Misc. Info.: 21737-1  
 Operator ID: wrd Instrument ID: CHC.i  
 Method: \\BTV-LIMS1\ChromData\CHC.i\20140408-6933.b\TO15\_LLNJ\_TO3\_CHC.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 09-Apr-2014 11:50:05 Calib Date: 18-Mar-2014 16:40:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHC.i\20140317-6584.b\6584\_10.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK017

First Level Reviewer: desjardinsb

Date: 09-Apr-2014 11:50:05

| Compound                            | Sig | RT     | ADJ<br>RT | DLT<br>RT | Q  | Response | On-Col Amt<br>ppb v/v | Flags |
|-------------------------------------|-----|--------|-----------|-----------|----|----------|-----------------------|-------|
| 1 Propene                           | 41  |        | 3.186     |           |    |          |                       |       |
| 2 Dichlorodifluoromethane           | 85  |        | 3.261     |           |    |          |                       |       |
| 6 Chlorodifluoromethane             | 51  |        | 3.320     |           |    |          |                       |       |
| 7 1,2-Dichloro-1,1,2,2-tetrafluoro  | 85  |        | 3.549     |           |    |          |                       |       |
| 8 Chloromethane                     | 50  |        | 3.704     |           |    |          |                       |       |
| 9 Butane                            | 43  |        | 3.923     |           |    |          |                       |       |
| 10 Vinyl chloride                   | 62  |        | 3.971     |           |    |          |                       |       |
| 11 Butadiene                        | 54  |        | 4.056     |           |    |          |                       |       |
| 12 Bromomethane                     | 94  |        | 4.798     |           |    |          |                       |       |
| 13 Chloroethane                     | 64  |        | 5.054     |           |    |          |                       |       |
| 15 Vinyl bromide                    | 106 |        | 5.471     |           |    |          |                       |       |
| 16 Trichlorofluoromethane           | 101 |        | 5.577     |           |    |          |                       |       |
| 19 Ethanol                          | 45  |        | 6.234     |           |    |          |                       |       |
| 23 1,1,2-Trichloro-1,2,2-trifluoroe | 101 |        | 6.714     |           |    |          |                       |       |
| 24 1,1-Dichloroethene               | 96  |        | 6.762     |           |    |          |                       |       |
| 25 Acetone                          | 43  |        | 7.040     |           |    |          |                       |       |
| 26 Carbon disulfide                 | 76  |        | 7.146     |           |    |          |                       |       |
| 27 Isopropyl alcohol                | 45  |        | 7.360     |           |    |          |                       |       |
| 29 3-Chloro-1-propene               | 41  |        | 7.589     |           |    |          |                       |       |
| 31 Methylene Chloride               | 49  |        | 7.899     |           |    |          |                       |       |
| 32 2-Methyl-2-propanol              | 59  |        | 8.160     |           |    |          |                       |       |
| 33 Methyl tert-butyl ether          | 73  |        | 8.321     |           |    |          |                       |       |
| 34 trans-1,2-Dichloroethene         | 61  |        | 8.342     |           |    |          |                       |       |
| 36 Hexane                           | 57  |        | 8.742     |           |    |          |                       |       |
| 37 1,1-Dichloroethane               | 63  |        | 9.260     |           |    |          |                       |       |
| 38 Vinyl acetate                    | 43  |        | 9.356     |           |    |          |                       |       |
| S 41 1,2-Dichloroethene, Total      | 61  |        | 10.200    |           |    |          |                       |       |
| 39 cis-1,2-Dichloroethene           | 96  |        | 10.423    |           |    |          |                       |       |
| 40 2-Butanone (MEK)                 | 72  |        | 10.503    |           |    |          |                       |       |
| 42 Ethyl acetate                    | 88  |        | 10.541    |           |    |          |                       |       |
| * 43 Chlorobromomethane             | 128 | 10.909 | 10.914    | -0.005    | 63 | 594364   | 10.0                  |       |



| Sig   | RT<br>(min.)                | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q      | Response | On-Col Amt<br>ppb v/v | Flags           |
|-------|-----------------------------|------------------|------------------|--------|----------|-----------------------|-----------------|
| 44    | Tetrahydrofuran             |                  | 42               | 10.930 |          |                       |                 |
| 45    | Chloroform                  |                  | 83               | 11.058 |          |                       |                 |
| 46    | Cyclohexane                 |                  | 84               | 11.288 |          |                       |                 |
| 47    | 1,1,1-Trichloroethane       |                  | 97               | 11.331 |          |                       |                 |
| 48    | Carbon tetrachloride        |                  | 117              | 11.587 |          |                       |                 |
| 51    | Isooctane                   |                  | 57               | 12.040 |          |                       |                 |
| 50    | Benzene                     |                  | 78               | 12.088 |          |                       |                 |
| 52    | 1,2-Dichloroethane          |                  | 62               | 12.291 |          |                       |                 |
| 53    | n-Heptane                   |                  | 43               | 12.457 |          |                       |                 |
| * 54  | 1,4-Difluorobenzene         |                  | 114              | 12.974 | 12.980   | -0.006                | 91 3339832 10.0 |
| 56    | Trichloroethene             |                  | 95               | 13.465 |          |                       |                 |
| 58    | 1,2-Dichloropropane         |                  | 63               | 14.063 |          |                       |                 |
| 59    | Methyl methacrylate         |                  | 69               | 14.245 |          |                       |                 |
| 60    | 1,4-Dioxane                 |                  | 88               | 14.309 |          |                       |                 |
| 61    | Dibromomethane              |                  | 174              | 14.330 |          |                       |                 |
| 62    | Dichlorobromomethane        |                  | 83               | 14.629 |          |                       |                 |
| 64    | cis-1,3-Dichloropropene     |                  | 75               | 15.589 |          |                       |                 |
| 65    | 4-Methyl-2-pentanone (MIBK) |                  | 43               | 15.899 |          |                       |                 |
| 66    | Toluene                     |                  | 92               | 16.187 |          |                       |                 |
| 70    | trans-1,3-Dichloropropene   |                  | 75               | 16.801 |          |                       |                 |
| 71    | 1,1,2-Trichloroethane       |                  | 83               | 17.185 |          |                       |                 |
| 72    | Tetrachloroethene           |                  | 166              | 17.271 |          |                       |                 |
| 73    | 2-Hexanone                  |                  | 43               | 17.644 |          |                       |                 |
| 74    | Chlorodibromomethane        |                  | 129              | 17.948 |          |                       |                 |
| 75    | Ethylene Dibromide          |                  | 107              | 18.226 |          |                       |                 |
| * 76  | Chlorobenzene-d5            |                  | 117              | 19.117 | 19.117   | 0.0                   | 79 3307056 10.0 |
| 77    | Chlorobenzene               |                  | 112              | 19.181 |          |                       |                 |
| 78    | Ethylbenzene                |                  | 91               | 19.331 |          |                       |                 |
| 81    | m-Xylene & p-Xylene         |                  | 106              | 19.581 |          |                       |                 |
| S 82  | Xylenes, Total              |                  | 106              | 20.100 |          |                       |                 |
| 83    | o-Xylene                    |                  | 106              | 20.393 |          |                       |                 |
| 84    | Styrene                     |                  | 104              | 20.441 |          |                       |                 |
| 85    | Bromoform                   |                  | 173              | 20.841 |          |                       |                 |
| 86    | Isopropylbenzene            |                  | 105              | 21.022 |          |                       |                 |
| \$ 87 | 4-Bromofluorobenzene        |                  | 95               | 21.375 | 21.380   | -0.005                | 95 1999378 NC   |
| 88    | 1,1,2,2-Tetrachloroethane   |                  | 83               | 21.647 |          |                       |                 |
| 90    | N-Propylbenzene             |                  | 91               | 21.706 |          |                       |                 |
| 91    | 4-Ethyltoluene              |                  | 105              | 21.887 |          |                       |                 |
| 92    | 2-Chlorotoluene             |                  | 91               | 21.898 |          |                       |                 |
| 94    | 1,3,5-Trimethylbenzene      |                  | 105              | 21.988 |          |                       |                 |
| 96    | tert-Butylbenzene           |                  | 119              | 22.458 |          |                       |                 |
| 97    | 1,2,4-Trimethylbenzene      |                  | 105              | 22.549 |          |                       |                 |
| 98    | sec-Butylbenzene            |                  | 105              | 22.773 |          |                       |                 |
| 99    | 4-Isopropyltoluene          |                  | 119              | 22.970 |          |                       |                 |
| 100   | 1,3-Dichlorobenzene         |                  | 146              | 23.008 |          |                       |                 |
| 101   | 1,4-Dichlorobenzene         |                  | 146              | 23.146 |          |                       |                 |
| 102   | Benzyl chloride             |                  | 91               | 23.355 |          |                       |                 |
| 103   | n-Butylbenzene              |                  | 91               | 23.557 |          |                       |                 |
| 105   | 1,2-Dichlorobenzene         |                  | 146              | 23.702 |          |                       |                 |
| 107   | 1,2,4-Trichlorobenzene      |                  | 180              | 26.327 |          |                       |                 |
| 108   | Hexachlorobutadiene         |                  | 225              | 26.514 |          |                       |                 |
| 109   | Naphthalene                 |                  | 128              | 26.850 |          |                       |                 |

## WorkSheet Quantitation Report

| Sig | RT | Lower<br>RT | Upper<br>RT | Q | Response | On-Col Amt<br>ppb v/v | Ratio Range | Ratio | Flags |
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|
|-----|----|-------------|-------------|---|----------|-----------------------|-------------|-------|-------|

## TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHC.i\20140408-6933.b\6933\_15.D

Injection Date: 08-Apr-2014 23:19:30

Instrument ID: CHC.i

Operator ID: wrd

Lims ID: 200-21737-A-1

Lab Sample ID: 200-21737-1

Worklist Smp#: 15

Client ID: 4443

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

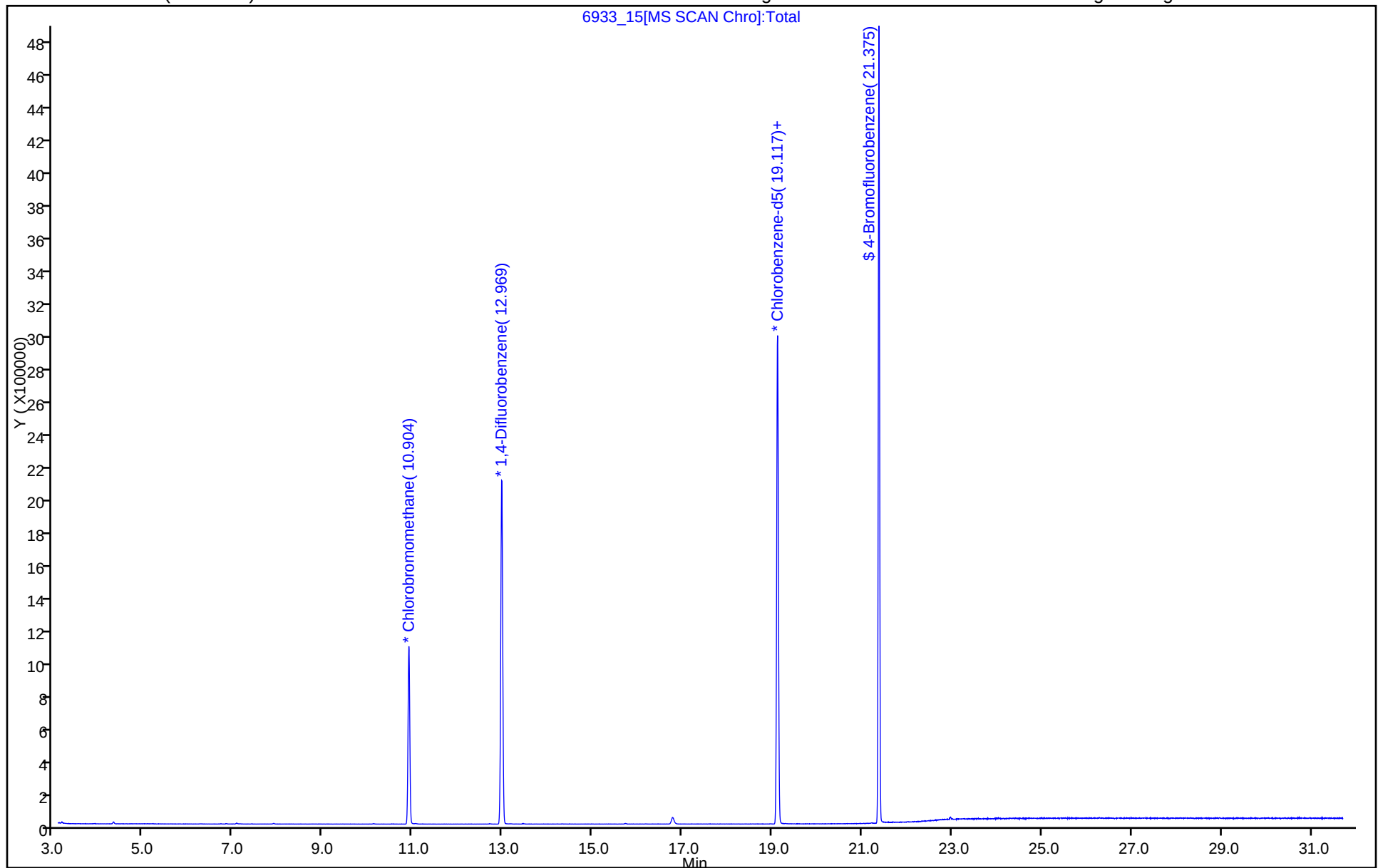
ALS Bottle#: 15

Method: TO15\_LL NJ\_TO3\_CHC

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (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.: 200-21778-1

SDG No.: \_\_\_\_\_

Client Sample ID: 3210 Lab Sample ID: 200-21778-5

Matrix: Air Lab File ID: 6972\_028.D

Analysis Method: TO-15 Date Collected: 04/09/2014 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 04/11/2014 10:31

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.: 70582 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.: 200-21778-1

SDG No.: \_\_\_\_\_

Client Sample ID: 3210 Lab Sample ID: 200-21778-5

Matrix: Air Lab File ID: 6972\_028.D

Analysis Method: TO-15 Date Collected: 04/09/2014 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 04/11/2014 10:31

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.: 70582 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.: 200-21778-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 3210 Lab Sample ID: 200-21778-5  
Matrix: Air Lab File ID: 6972\_028.D  
Analysis Method: TO-15 Date Collected: 04/09/2014 00:00  
Sample wt/vol: 1000 (mL) Date Analyzed: 04/11/2014 10:31  
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.: 70582 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\20140410-6972.b\6972\_028.D  
 Lims ID: 200-21778-A-5 Lab Sample ID: 200-21778-5  
 Client ID: 3210  
 Sample Type: Client  
 Inject. Date: 11-Apr-2014 10:31:30 ALS Bottle#: 26 Worklist Smp#: 28  
 Purge Vol: 5.000 mL Dil. Factor: 0.2000  
 Sample Info: 200-0006972-028  
 Misc. Info.: 21778-5  
 Operator ID: pad Instrument ID: CHB.i  
 Method: \\Btv-lims1\chromdata\CHB.i\20140410-6972.b\TO15\_LL NJ\_TO3.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 11-Apr-2014 13:04:44 Calib Date: 14-Mar-2014 18:16:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\Btv-lims1\chromdata\CHB.i\20140314-6557.b\6557\_010.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK016

First Level Reviewer: lyonsb

Date: 11-Apr-2014 11:42:47

| Compound                      | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|-------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 4 Propene                     | 41  |           | 3.171         |               |    |          |                   |       |
| 5 Dichlorodifluoromethane     | 85  |           | 3.235         |               |    |          |                   |       |
| 6 Chlorodifluoromethane       | 51  |           | 3.272         |               |    |          |                   |       |
| 7 1,2-Dichloro-1,1,2,2-tetra  | 85  |           | 3.464         |               |    |          |                   |       |
| 8 Chloromethane               | 50  |           | 3.603         |               |    |          |                   |       |
| 9 Butane                      | 43  |           | 3.784         |               |    |          |                   |       |
| 10 Vinyl chloride             | 62  |           | 3.832         |               |    |          |                   |       |
| 11 Butadiene                  | 54  |           | 3.902         |               |    |          |                   |       |
| 12 Bromomethane               | 94  |           | 4.622         |               |    |          |                   |       |
| 14 Chloroethane               | 64  |           | 4.868         |               |    |          |                   |       |
| 16 Vinyl bromide              | 106 |           | 5.289         |               |    |          |                   |       |
| 17 Trichlorofluoromethane     | 101 |           | 5.385         |               |    |          |                   |       |
| 19 Ethanol                    | 45  |           | 5.882         |               |    |          |                   |       |
| 23 1,1,2-Trichloro-1,2,2-trif | 101 |           | 6.437         |               |    |          |                   |       |
| 24 1,1-Dichloroethene         | 96  |           | 6.517         |               |    |          |                   |       |
| 25 Acetone                    | 43  |           | 6.709         |               |    |          |                   |       |
| 26 Isopropyl alcohol          | 45  |           | 6.906         |               |    |          |                   |       |
| 27 Carbon disulfide           | 76  |           | 6.949         |               |    |          |                   |       |
| 29 3-Chloro-1-propene         | 41  |           | 7.243         |               |    |          |                   |       |
| 31 Methylene Chloride         | 49  |           | 7.515         |               |    |          |                   |       |
| 32 2-Methyl-2-propanol        | 59  |           | 7.616         |               |    |          |                   |       |
| 33 Methyl tert-butyl ether    | 73  |           | 7.840         |               |    |          |                   |       |
| 34 trans-1,2-Dichloroethene   | 61  |           | 7.910         |               |    |          |                   |       |
| 36 Hexane                     | 57  |           | 8.219         |               |    |          |                   |       |
| * 44 Chlorobromomethane       | 128 | 9.959     | 9.959         | 0.000         | 65 | 759920   | 10.0              |       |
| 37 1,1-Dichloroethane         | 63  |           | 8.673         |               |    |          |                   |       |
| 38 Vinyl acetate              | 43  |           | 8.684         |               |    |          |                   |       |
| 41 Ethyl acetate              | 88  |           | 9.580         |               |    |          |                   |       |
| 40 2-Butanone (MEK)           | 72  |           | 9.586         |               |    |          |                   |       |
| 39 cis-1,2-Dichloroethene     | 96  |           | 9.586         |               |    |          |                   |       |
| 43 Tetrahydrofuran            | 42  |           | 9.954         |               |    |          |                   |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| S 42 1,2-Dichloroethene, Total | 61  |           | 10.000        |               |    |          |                   |       |
| 45 Chloroform                  | 83  |           | 10.029        |               |    |          |                   |       |
| 46 Cyclohexane                 | 84  |           | 10.269        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 10.274        |               |    |          |                   |       |
| 48 Carbon tetrachloride        | 117 |           | 10.472        |               |    |          |                   |       |
| 49 Isooctane                   | 57  |           | 10.738        |               |    |          |                   |       |
| 50 Benzene                     | 78  |           | 10.813        |               |    |          |                   |       |
| 51 1,2-Dichloroethane          | 62  |           | 10.930        |               |    |          |                   |       |
| 52 n-Heptane                   | 43  |           | 10.989        |               |    |          |                   |       |
| * 54 1,4-Difluorobenzene       | 114 | 11.357    | 11.357        | 0.000         | 91 | 3611955  | 10.0              |       |
| 57 Trichloroethene             | 95  |           | 11.715        |               |    |          |                   |       |
| 58 1,2-Dichloropropane         | 63  |           | 12.110        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  |           | 12.137        |               |    |          |                   |       |
| 60 1,4-Dioxane                 | 88  |           | 12.227        |               |    |          |                   |       |
| 61 Dibromomethane              | 174 |           | 12.297        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 12.462        |               |    |          |                   |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 13.092        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |           | 13.247        |               |    |          |                   |       |
| 68 Toluene                     | 92  |           | 13.519        |               |    |          |                   |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 13.887        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 14.165        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 |           | 14.271        |               |    |          |                   |       |
| 73 2-Hexanone                  | 43  |           | 14.415        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 14.704        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 14.906        |               |    |          |                   |       |
| * 76 Chlorobenzene-d5          | 117 | 15.445    | 15.446        | -0.001        | 81 | 3135634  | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 15.488        |               |    |          |                   |       |
| 79 Ethylbenzene                | 91  |           | 15.547        |               |    |          |                   |       |
| 80 m-Xylene & p-Xylene         | 106 |           | 15.691        |               |    |          |                   |       |
| S 81 Xylenes, Total            | 106 |           | 16.000        |               |    |          |                   |       |
| 82 o-Xylene                    | 106 |           | 16.198        |               |    |          |                   |       |
| 83 Styrene                     | 104 |           | 16.225        |               |    |          |                   |       |
| 84 Bromoform                   | 173 |           | 16.524        |               |    |          |                   |       |
| 85 Isopropylbenzene            | 105 |           | 16.604        |               |    |          |                   |       |
| \$ 86 4-Bromofluorobenzene     | 95  | 16.865    | 16.865        | 0.000         | 97 | 1837145  | NC                |       |
| 87 1,1,2,2-Tetrachloroethane   | 83  |           | 17.020        |               |    |          |                   |       |
| 88 N-Propylbenzene             | 91  |           | 17.079        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 |           | 17.201        |               |    |          |                   |       |
| 92 2-Chlorotoluene             | 91  |           | 17.244        |               |    |          |                   |       |
| 93 1,3,5-Trimethylbenzene      | 105 |           | 17.265        |               |    |          |                   |       |
| 95 tert-Butylbenzene           | 119 |           | 17.650        |               |    |          |                   |       |
| 96 1,2,4-Trimethylbenzene      | 105 |           | 17.724        |               |    |          |                   |       |
| 97 sec-Butylbenzene            | 105 |           | 17.911        |               |    |          |                   |       |
| 98 4-Isopropyltoluene          | 119 |           | 18.071        |               |    |          |                   |       |
| 99 1,3-Dichlorobenzene         | 146 |           | 18.151        |               |    |          |                   |       |
| 100 1,4-Dichlorobenzene        | 146 |           | 18.269        |               |    |          |                   |       |
| 101 Benzyl chloride            | 91  |           | 18.434        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 18.589        |               |    |          |                   |       |
| 104 1,2-Dichlorobenzene        | 146 |           | 18.770        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 |           | 21.215        |               |    |          |                   |       |
| 108 Hexachlorobutadiene        | 225 |           | 21.375        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 21.738        |               |    |          |                   |       |



Report Date: 11-Apr-2014 13:05:15

Chrom Revision: 2.2 10-Apr-2014 15:11:30

TestAmerica Burlington

Data File: \\Btv-lims1\chromdata\CHB.i\20140410-6972.b\6972\_028.D

Injection Date: 11-Apr-2014 10:31:30

Instrument ID: CHB.i

Operator ID: pad

Lims ID: 200-21778-A-5

Lab Sample ID: 200-21778-5

Worklist Smp#: 28

Client ID: 3210

Purge Vol: 5.000 mL

Dil. Factor: 0.2000

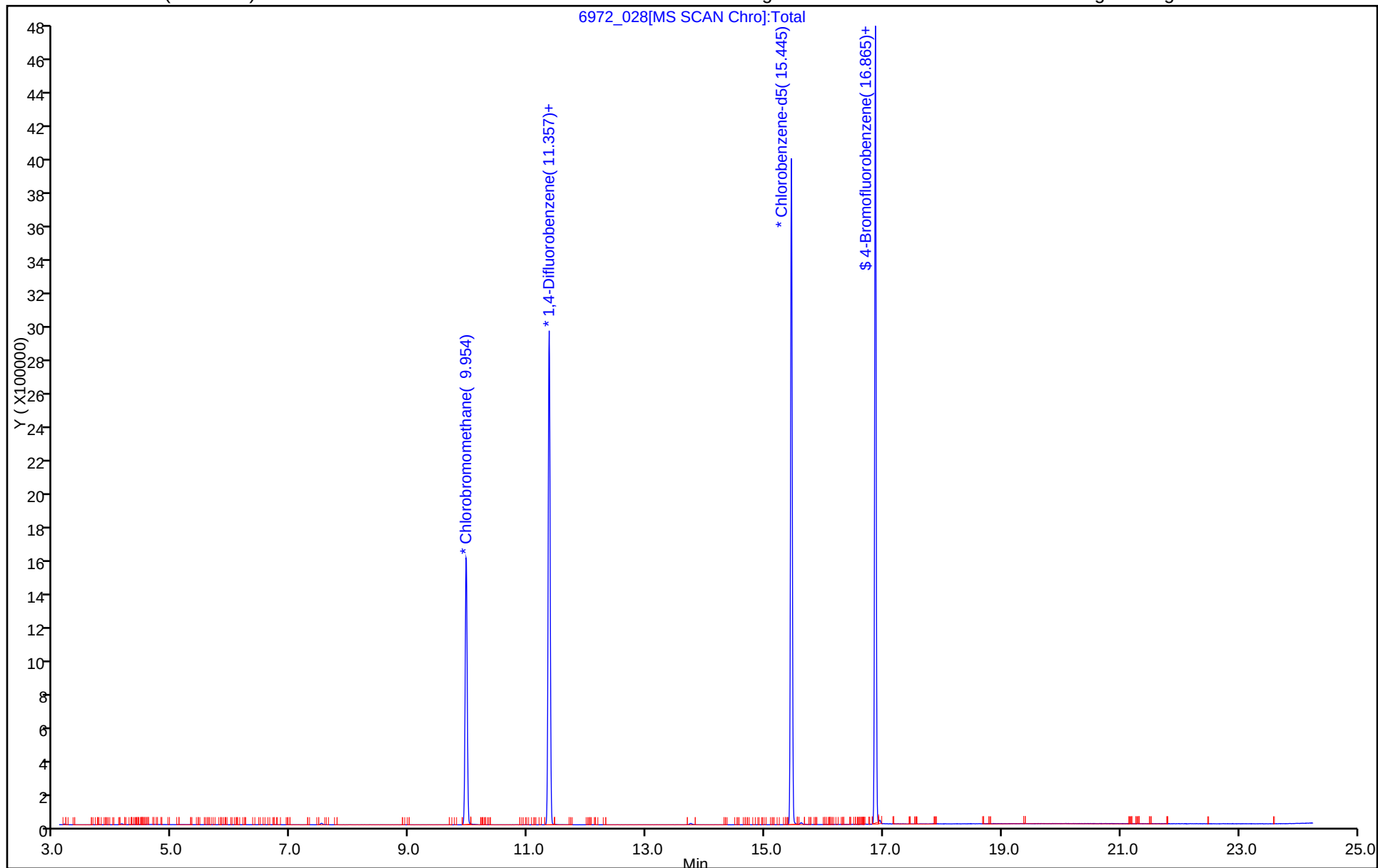
ALS Bottle#: 26

Method: TO15\_LL NJ\_TO3

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (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.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: 3373 Lab Sample ID: 200-21851-6  
 Matrix: Air Lab File ID: 7034\_028.D  
 Analysis Method: TO-15 Date Collected: 04/12/2014 00:00  
 Sample wt/vol: 1000(mL) Date Analyzed: 04/16/2014 06:52  
 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.: 70761 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.: 200-21851-1

SDG No.: \_\_\_\_\_

Client Sample ID: 3373 Lab Sample ID: 200-21851-6

Matrix: Air Lab File ID: 7034\_028.D

Analysis Method: TO-15 Date Collected: 04/12/2014 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 04/16/2014 06:52

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.: 70761 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.: 200-21851-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 3373 Lab Sample ID: 200-21851-6  
Matrix: Air Lab File ID: 7034\_028.D  
Analysis Method: TO-15 Date Collected: 04/12/2014 00:00  
Sample wt/vol: 1000 (mL) Date Analyzed: 04/16/2014 06:52  
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.: 70761 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\CHG.i\20140415-7034.b\7034\_028.D  
 Lims ID: 200-21851-A-6 Lab Sample ID: 200-21851-6  
 Client ID: 3373  
 Sample Type: Client  
 Inject. Date: 16-Apr-2014 06:52:30 ALS Bottle#: 10 Worklist Smp#: 28  
 Purge Vol: 200.000 mL Dil. Factor: 0.2000  
 Sample Info: 200-0007034-028  
 Misc. Info.: 200-21851-A-6  
 Operator ID: WRD Instrument ID: CHG.i  
 Method: \\BTV-LIMS1\ChromData\CHG.i\20140415-7034.b\TO15\_LLNJ\_TO3\_G.m  
 Limit Group: AI\_TO15\_ICAL  
 Last Update: 16-Apr-2014 08:08:44 Calib Date: 20-Feb-2014 21:54:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\BTV-LIMS1\ChromData\CHG.i\20140220-6246.b\6246\_013.D  
 Column 1 : RTX-624 ( 0.32 mm) Det: MS SCAN  
 Process Host: XAWRK029

First Level Reviewer: desjardinsb

Date: 16-Apr-2014 08:08:44

| Compound                       | Sig | RT<br>(min.) | Adj RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | OnCol Amt<br>ppb v/v | Flags |
|--------------------------------|-----|--------------|------------------|------------------|----|----------|----------------------|-------|
| 1 Propene                      | 41  |              | 3.047            |                  |    |          |                      |       |
| 2 Dichlorodifluoromethane      | 85  |              | 3.122            |                  |    |          |                      |       |
| 6 Chlorodifluoromethane        | 51  |              | 3.170            |                  |    |          |                      |       |
| 7 1,2-Dichloro-1,1,2,2-tetra   | 85  |              | 3.395            |                  |    |          |                      |       |
| 8 Chloromethane                | 50  |              | 3.528            |                  |    |          |                      |       |
| 9 Butane                       | 43  |              | 3.742            |                  |    |          |                      |       |
| 10 Vinyl chloride              | 62  |              | 3.780            |                  |    |          |                      |       |
| 11 Butadiene                   | 54  |              | 3.865            |                  |    |          |                      |       |
| 12 Bromomethane                | 94  |              | 4.555            |                  |    |          |                      |       |
| 14 Chloroethane                | 64  |              | 4.802            |                  |    |          |                      |       |
| 16 Vinyl bromide               | 106 |              | 5.208            |                  |    |          |                      |       |
| 17 Trichlorofluoromethane      | 101 |              | 5.326            |                  |    |          |                      |       |
| 19 Ethanol                     | 45  |              | 5.893            |                  |    |          |                      |       |
| 23 1,1,2-Trichloro-1,2,2-trif  | 101 |              | 6.444            |                  |    |          |                      |       |
| 24 1,1-Dichloroethene          | 96  |              | 6.465            |                  |    |          |                      |       |
| 25 Acetone                     | 43  |              | 6.685            |                  |    |          |                      |       |
| 26 Carbon disulfide            | 76  |              | 6.850            |                  |    |          |                      |       |
| 27 Isopropyl alcohol           | 45  |              | 7.000            |                  |    |          |                      |       |
| 29 3-Chloro-1-propene          | 41  |              | 7.268            |                  |    |          |                      |       |
| 31 Methylene Chloride          | 49  |              | 7.557            |                  |    |          |                      |       |
| 32 2-Methyl-2-propanol         | 59  |              | 7.797            |                  |    |          |                      |       |
| 33 Methyl tert-butyl ether     | 73  |              | 8.006            |                  |    |          |                      |       |
| 34 trans-1,2-Dichloroethene    | 61  |              | 8.022            |                  |    |          |                      |       |
| 36 Hexane                      | 57  |              | 8.461            |                  |    |          |                      |       |
| 37 1,1-Dichloroethane          | 63  |              | 8.905            |                  |    |          |                      |       |
| 38 Vinyl acetate               | 43  |              | 9.001            |                  |    |          |                      |       |
| 39 cis-1,2-Dichloroethene      | 96  |              | 10.044           |                  |    |          |                      |       |
| 40 2-Butanone (MEK)            | 72  |              | 10.087           |                  |    |          |                      |       |
| 42 Ethyl acetate               | 88  |              | 10.167           |                  |    |          |                      |       |
| S 41 1,2-Dichloroethene, Total | 61  |              | 10.200           |                  |    |          |                      |       |
| * 43 Chlorobromomethane        | 128 | 10.510       | 10.510           | 0.000            | 70 | 513144   | 10.0                 |       |

| Compound                       | Sig | RT (min.) | Adj RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ppb v/v | Flags |
|--------------------------------|-----|-----------|---------------|---------------|----|----------|-------------------|-------|
| 44 Tetrahydrofuran             | 42  |           | 10.531        |               |    |          |                   |       |
| 45 Chloroform                  | 83  |           | 10.659        |               |    |          |                   |       |
| 46 Cyclohexane                 | 84  |           | 10.954        |               |    |          |                   |       |
| 47 1,1,1-Trichloroethane       | 97  |           | 10.959        |               |    |          |                   |       |
| 48 Carbon tetrachloride        | 117 |           | 11.227        |               |    |          |                   |       |
| 50 Benzene                     | 78  |           | 11.692        |               |    |          |                   |       |
| 51 Isooctane                   | 57  |           | 11.719        |               |    |          |                   |       |
| 52 1,2-Dichloroethane          | 62  |           | 11.858        |               |    |          |                   |       |
| 53 n-Heptane                   | 43  |           | 12.131        |               |    |          |                   |       |
| * 54 1,4-Difluorobenzene       | 114 | 12.575    | 12.569        | 0.006         | 92 | 2885127  | 10.0              |       |
| 56 Trichloroethene             | 95  |           | 13.061        |               |    |          |                   |       |
| 58 1,2-Dichloropropane         | 63  |           | 13.618        |               |    |          |                   |       |
| 59 Methyl methacrylate         | 69  |           | 13.832        |               |    |          |                   |       |
| 60 1,4-Dioxane                 | 88  |           | 13.864        |               |    |          |                   |       |
| 61 Dibromomethane              | 174 |           | 13.880        |               |    |          |                   |       |
| 62 Dichlorobromomethane        | 83  |           | 14.196        |               |    |          |                   |       |
| 64 cis-1,3-Dichloropropene     | 75  |           | 15.175        |               |    |          |                   |       |
| 65 4-Methyl-2-pentanone (MIBK) | 43  |           | 15.474        |               |    |          |                   |       |
| 66 Toluene                     | 92  |           | 15.801        |               |    |          |                   |       |
| 70 trans-1,3-Dichloropropene   | 75  |           | 16.384        |               |    |          |                   |       |
| 71 1,1,2-Trichloroethane       | 83  |           | 16.758        |               |    |          |                   |       |
| 72 Tetrachloroethene           | 166 |           | 16.913        |               |    |          |                   |       |
| 73 2-Hexanone                  | 43  |           | 17.229        |               |    |          |                   |       |
| 74 Chlorodibromomethane        | 129 |           | 17.534        |               |    |          |                   |       |
| 75 Ethylene Dibromide          | 107 |           | 17.807        |               |    |          |                   |       |
| * 76 Chlorobenzene-d5          | 117 | 18.738    | 18.732        | 0.006         | 82 | 2275583  | 10.0              |       |
| 77 Chlorobenzene               | 112 |           | 18.791        |               |    |          |                   |       |
| 78 Ethylbenzene                | 91  |           | 18.968        |               |    |          |                   |       |
| 80 m-Xylene & p-Xylene         | 106 |           | 19.219        |               |    |          |                   |       |
| 83 o-Xylene                    | 106 |           | 20.048        |               |    |          |                   |       |
| 84 Styrene                     | 104 |           | 20.096        |               |    |          |                   |       |
| S 82 Xylenes, Total            | 106 |           | 20.100        |               |    |          |                   |       |
| 85 Bromoform                   | 173 |           | 20.482        |               |    |          |                   |       |
| 86 Isopropylbenzene            | 105 |           | 20.722        |               |    |          |                   |       |
| \$ 87 4-Bromofluorobenzene     | 95  | 21.070    | 21.065        | 0.005         | 96 | 770960   | NC                |       |
| 88 1,1,2,2-Tetrachloroethane   | 83  |           | 21.321        |               |    |          |                   |       |
| 90 N-Propylbenzene             | 91  |           | 21.428        |               |    |          |                   |       |
| 92 2-Chlorotoluene             | 91  |           | 21.616        |               |    |          |                   |       |
| 91 4-Ethyltoluene              | 105 |           | 21.616        |               |    |          |                   |       |
| 94 1,3,5-Trimethylbenzene      | 105 |           | 21.723        |               |    |          |                   |       |
| 96 tert-Butylbenzene           | 119 |           | 22.204        |               |    |          |                   |       |
| 97 1,2,4-Trimethylbenzene      | 105 |           | 22.295        |               |    |          |                   |       |
| 98 sec-Butylbenzene            | 105 |           | 22.525        |               |    |          |                   |       |
| 99 4-Isopropyltoluene          | 119 |           | 22.728        |               |    |          |                   |       |
| 100 1,3-Dichlorobenzene        | 146 |           | 22.739        |               |    |          |                   |       |
| 101 1,4-Dichlorobenzene        | 146 |           | 22.873        |               |    |          |                   |       |
| 102 Benzyl chloride            | 91  |           | 23.065        |               |    |          |                   |       |
| 103 n-Butylbenzene             | 91  |           | 23.306        |               |    |          |                   |       |
| 105 1,2-Dichlorobenzene        | 146 |           | 23.413        |               |    |          |                   |       |
| 107 1,2,4-Trichlorobenzene     | 180 |           | 25.965        |               |    |          |                   |       |
| 108 Hexachlorobutadiene        | 225 |           | 26.179        |               |    |          |                   |       |
| 109 Naphthalene                | 128 |           | 26.446        |               |    |          |                   |       |

Report Date: 16-Apr-2014 08:08:44

Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Burlington

Data File: \\BTV-LIMS1\ChromData\CHG.i\20140415-7034.b\7034\_028.D

Injection Date: 16-Apr-2014 06:52:30

Instrument ID: CHG.i

Operator ID: WRD

Lims ID: 200-21851-A-6

Lab Sample ID: 200-21851-6

Worklist Smp#: 28

Client ID: 3373

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

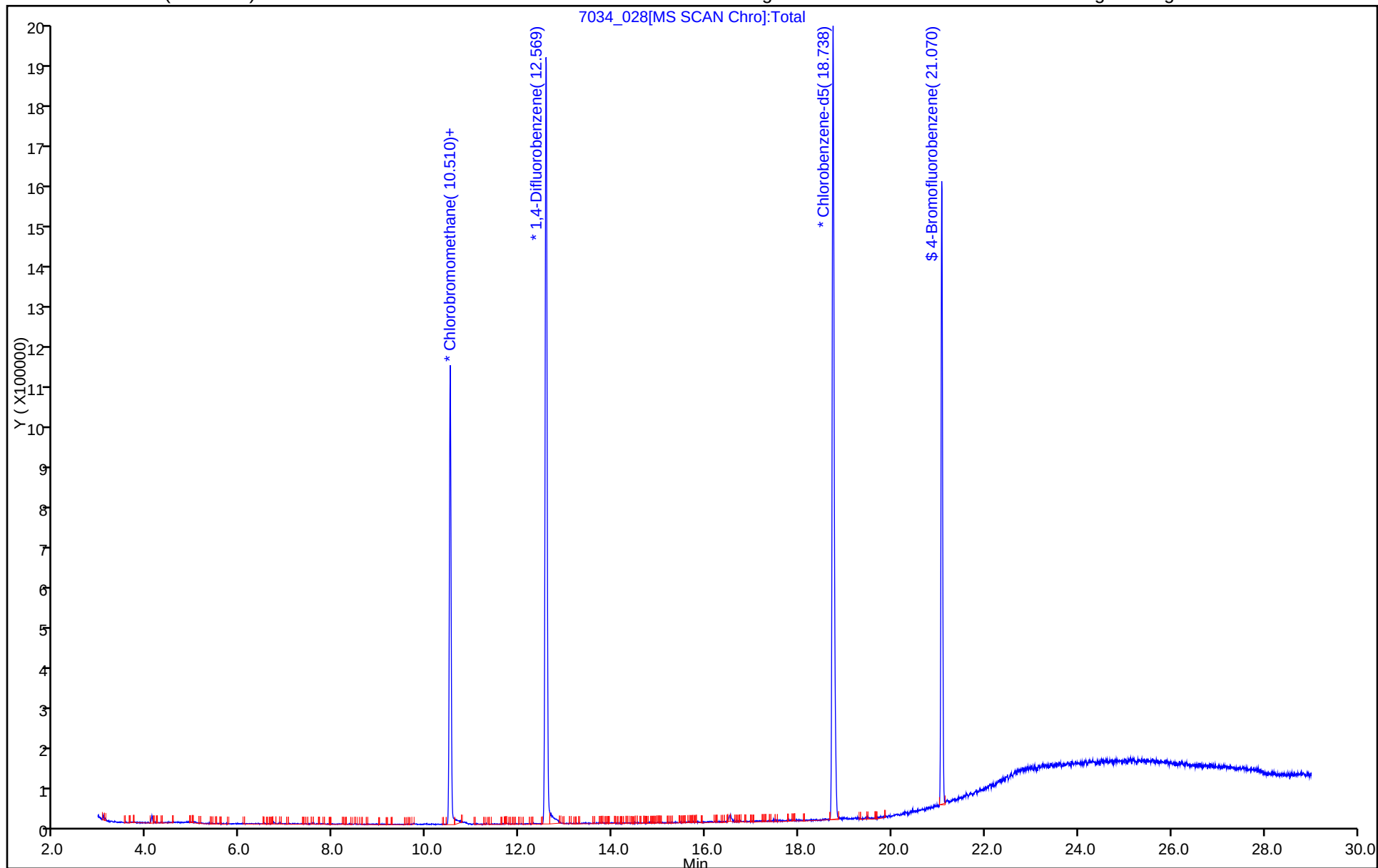
ALS Bottle#: 10

Method: TO15\_LL NJ\_TO3\_G

Limit Group: AI\_TO15\_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-69583/3   | 6584_03.D    |
| Level 2 | IC 200-69583/4   | 6584_04.D    |
| Level 3 | IC 200-69583/17  | 6584_17.D    |
| Level 4 | IC 200-69583/6   | 6584_06.D    |
| Level 5 | ICIS 200-69583/7 | 6584_07.D    |
| Level 6 | IC 200-69583/8   | 6584_08.D    |
| Level 7 | IC 200-69583/9   | 6584_09.D    |
| Level 8 | IC 200-69583/10  | 6584_10.D    |

| ANALYTE                       | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Propylene                     | ++++<br>0.3196   | ++++<br>0.3194   | 0.5199<br>0.2866 | 0.3351 | 0.3036 | Ave           |             | 0.3474 |    |   |         | 25.0 |   | 30.0        |               |   |                   |
| Dichlorodifluoromethane       | ++++<br>2.4800   | ++++<br>2.5571   | 3.0704<br>2.2713 | 2.6666 | 2.4118 | Ave           |             | 2.5762 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Freon 22                      | ++++<br>0.8200   | ++++<br>0.8420   | 1.0817<br>0.7507 | 0.9056 | 0.7955 | Ave           |             | 0.8659 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorotetrafluoroethane | ++++<br>2.0553   | 3.0069<br>2.1144 | 2.5463<br>1.8719 | 2.1938 | 1.9755 | Ave           |             | 2.2520 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Chloromethane                 | ++++<br>0.3997   | ++++<br>0.4105   | 0.5586<br>0.3719 | 0.4319 | 0.3832 | Ave           |             | 0.4260 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| n-Butane                      | ++++<br>0.6596   | ++++<br>0.6604   | 0.8617<br>0.5967 | 0.6884 | 0.6159 | Ave           |             | 0.6804 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Vinyl chloride                | 0.8371<br>0.5617 | 0.8399<br>0.5788 | 0.7072<br>0.5303 | 0.5958 | 0.5282 | Ave           |             | 0.6474 |    |   |         | 20.0 |   | 30.0        |               |   |                   |
| 1,3-Butadiene                 | ++++<br>0.3853   | 0.5403<br>0.4032 | 0.4714<br>0.3691 | 0.4099 | 0.3757 | Ave           |             | 0.4221 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Bromomethane                  | ++++<br>0.7586   | 1.1699<br>0.7812 | 0.9599<br>0.7225 | 0.7898 | 0.7169 | Ave           |             | 0.8427 |    |   |         | 20.0 |   | 30.0        |               |   |                   |
| Chloroethane                  | ++++<br>0.2640   | ++++<br>0.2706   | 0.3494<br>0.2467 | 0.2822 | 0.2519 | Ave           |             | 0.2775 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Isopentane                    | ++++<br>0.4139   | 0.7197<br>0.4171 | 0.5457<br>0.3848 | 0.4477 | 0.3948 | Ave           |             | 0.4748 |    |   |         | 25.0 |   | 30.0        |               |   |                   |
| Bromoethene (Vinyl Bromide)   | ++++<br>0.9620   | 1.3025<br>1.0025 | 1.1507<br>0.9311 | 0.9775 | 0.9047 | Ave           |             | 1.0330 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Trichlorofluoromethane        | ++++<br>2.9242   | 4.2280<br>3.0424 | 3.5416<br>2.7858 | 3.0509 | 2.7691 | Ave           |             | 3.1917 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| n-Pentane                     | ++++<br>0.7040   | ++++<br>0.7109   | 0.8790<br>0.6452 | 0.7312 | 0.6564 | Ave           |             | 0.7211 |    |   |         | 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.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                  | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                          | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethanol                  | +++++<br>0.1375  | +++++<br>0.1393  | 0.1645<br>0.1287 | 0.2036 | 0.1762 | Ave           |             | 0.1583 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Ethyl ether              | +++++<br>0.3625  | 0.4839<br>0.3745 | 0.4394<br>0.3454 | 0.3805 | 0.3460 | Ave           |             | 0.3903 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Acrolein                 | +++++<br>0.1538  | +++++<br>0.1618  | 0.2662<br>0.1439 | 0.1723 | 0.1581 | Ave           |             | 0.1760 |    |   |         | 26.0 |   | 30.0        |               |   |                   |
| Freon TF                 | +++++<br>1.7666  | 2.5125<br>1.8407 | 2.1665<br>1.6855 | 1.8304 | 1.6812 | Ave           |             | 1.9262 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethene       | +++++<br>0.8203  | 1.0878<br>0.8564 | 0.9775<br>0.7864 | 0.8424 | 0.7683 | Ave           |             | 0.8770 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Acetone                  | +++++<br>0.7307  | +++++<br>0.8562  | +++++<br>0.6387  | 0.7799 | 0.7071 | Ave           |             | 0.7425 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Carbon disulfide         | +++++<br>1.9783  | +++++<br>1.8419  | 2.0254<br>1.6969 | 1.7981 | 1.6500 | Ave           |             | 1.8317 |    |   |         | 8.1  |   | 30.0        |               |   |                   |
| Isopropyl alcohol        | +++++<br>0.5444  | +++++<br>0.5849  | +++++<br>0.4894  | 0.5938 | 0.5126 | Ave           |             | 0.5450 |    |   |         | 8.3  |   | 30.0        |               |   |                   |
| 3-Chloropropene          | +++++<br>0.5390  | 0.7361<br>0.5649 | 0.6297<br>0.5125 | 0.5659 | 0.5166 | Ave           |             | 0.5807 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Acetonitrile             | +++++<br>0.2790  | +++++<br>0.2875  | +++++<br>0.2564  | 0.2578 | 0.2500 | Ave           |             | 0.2661 |    |   |         | 6.1  |   | 30.0        |               |   |                   |
| Methylene Chloride       | +++++<br>0.5081  | +++++<br>0.5243  | 0.6930<br>0.4703 | 0.5443 | 0.4782 | Ave           |             | 0.5364 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| tert-Butyl alcohol       | +++++<br>1.0129  | +++++<br>1.1519  | +++++<br>0.9531  | 1.0906 | 0.9553 | Ave           |             | 1.0327 |    |   |         | 8.4  |   | 30.0        |               |   |                   |
| Methyl tert-butyl ether  | +++++<br>2.1128  | 2.7396<br>2.2060 | 2.4146<br>2.0120 | 2.1558 | 1.9807 | Ave           |             | 2.2316 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| trans-1,2-Dichloroethene | +++++<br>0.8435  | 1.1315<br>0.8679 | 0.9617<br>0.7756 | 0.8801 | 0.7941 | Ave           |             | 0.8935 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Acrylonitrile            | +++++<br>0.3380  | +++++<br>0.3525  | 0.3646<br>0.3274 | 0.3295 | 0.3118 | Ave           |             | 0.3373 |    |   |         | 5.6  |   | 30.0        |               |   |                   |
| n-Hexane                 | +++++<br>0.8039  | 1.0992<br>0.8148 | 0.9558<br>0.7415 | 0.8078 | 0.7377 | Ave           |             | 0.8515 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethane       | 1.6056<br>1.1315 | 1.6001<br>1.1883 | 1.3346<br>1.0835 | 1.1752 | 1.0842 | Ave           |             | 1.2754 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| Vinyl acetate            | +++++<br>1.2834  | +++++<br>1.3398  | +++++<br>1.2349  | 1.2842 | 1.1867 | Ave           |             | 1.2658 |    |   |         | 4.6  |   | 30.0        |               |   |                   |
| cis-1,2-Dichloroethene   | +++++<br>1.0491  | 1.4559<br>1.1082 | 1.2405<br>1.0337 | 1.0461 | 0.9802 | Ave           |             | 1.1305 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Methyl Ethyl Ketone      | +++++<br>0.3754  | +++++<br>0.4020  | 0.6735<br>0.3624 | 0.3706 | 0.3487 | Ave           |             | 0.4221 |    |   |         | 29.0 |   | 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.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                 | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                         | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethyl acetate           | +++++<br>0.0779  | +++++<br>0.0825  | +++++<br>0.0766  | 0.0751 | 0.0710 | Ave           |             | 0.0766 |    |   |         | 5.5  |   | 30.0        |               |   |                   |
| Tetrahydrofuran         | +++++<br>0.1002  | +++++<br>0.1051  | +++++<br>0.0950  | 0.1070 | 0.0959 | Ave           |             | 0.1007 |    |   |         | 5.3  |   | 30.0        |               |   |                   |
| Chloroform              | +++++<br>2.1921  | 3.0283<br>2.2930 | 2.5359<br>2.0884 | 2.2342 | 2.0569 | Ave           |             | 2.3470 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Cyclohexane             | +++++<br>0.2403  | 0.3391<br>0.2525 | 0.2811<br>0.2273 | 0.2460 | 0.2278 | Ave           |             | 0.2591 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,1,1-Trichloroethane   | +++++<br>0.5194  | 0.7058<br>0.5479 | 0.5856<br>0.4934 | 0.5392 | 0.4992 | Ave           |             | 0.5558 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Carbon tetrachloride    | 0.8018<br>0.6311 | 0.7997<br>0.6600 | 0.6832<br>0.6034 | 0.6419 | 0.5989 | Ave           |             | 0.6775 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 2,2,4-Trimethylpentane  | +++++<br>0.6654  | 0.8970<br>0.6858 | 0.7578<br>0.6129 | 0.6910 | 0.6340 | Ave           |             | 0.7063 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Benzene                 | +++++<br>0.5460  | 0.7714<br>0.5768 | 0.6578<br>0.5243 | 0.5611 | 0.5168 | Ave           |             | 0.5935 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloroethane      | +++++<br>0.2548  | 0.3616<br>0.2664 | 0.2856<br>0.2368 | 0.2751 | 0.2482 | Ave           |             | 0.2755 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| n-Heptane               | +++++<br>0.2133  | 0.3080<br>0.2195 | 0.2517<br>0.1932 | 0.2246 | 0.2059 | Ave           |             | 0.2309 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| n-Butanol               | +++++<br>0.0734  | +++++<br>0.0781  | +++++<br>0.0657  | 0.0796 | 0.0680 | Ave           |             | 0.0730 |    |   |         | 8.3  |   | 30.0        |               |   |                   |
| Trichloroethene         | 0.4498<br>0.3299 | 0.4371<br>0.3498 | 0.3874<br>0.3191 | 0.3314 | 0.3109 | Ave           |             | 0.3644 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloropropane     | +++++<br>0.1906  | 0.2702<br>0.2029 | 0.2207<br>0.1831 | 0.2010 | 0.1823 | Ave           |             | 0.2073 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Methyl methacrylate     | +++++<br>0.2154  | +++++<br>0.2287  | 0.2216<br>0.2091 | 0.2125 | 0.2012 | Ave           |             | 0.2148 |    |   |         | 4.5  |   | 30.0        |               |   |                   |
| 1,4-Dioxane             | +++++<br>0.1082  | +++++<br>0.1140  | +++++<br>0.0921  | 0.1092 | 0.0964 | Ave           |             | 0.1040 |    |   |         | 8.9  |   | 30.0        |               |   |                   |
| Dibromomethane          | +++++<br>0.4621  | 0.5462<br>0.5008 | 0.5284<br>0.4765 | 0.4191 | 0.4143 | Ave           |             | 0.4782 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Bromodichloromethane    | +++++<br>0.5635  | 0.7145<br>0.5943 | 0.6183<br>0.5386 | 0.5695 | 0.5310 | Ave           |             | 0.5900 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| cis-1,3-Dichloropropene | +++++<br>0.3636  | 0.4344<br>0.3870 | 0.3986<br>0.3588 | 0.3639 | 0.3417 | Ave           |             | 0.3783 |    |   |         | 8.2  |   | 30.0        |               |   |                   |
| methyl isobutyl ketone  | +++++<br>0.3293  | +++++<br>0.3464  | 0.3520<br>0.3080 | 0.3426 | 0.3134 | Ave           |             | 0.3319 |    |   |         | 5.5  |   | 30.0        |               |   |                   |
| Toluene                 | +++++<br>0.5401  | 0.7081<br>0.5718 | 0.6265<br>0.5133 | 0.5271 | 0.5019 | Ave           |             | 0.5698 |    |   |         | 13.0 |   | 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.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                          | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|----------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                                  | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| n-Octane                         | ++++<br>0.3485   | 0.5318<br>0.3532 | 0.4010<br>0.2985 | 0.3727 | 0.3386 | Ave           |             | 0.3778 |    |   |         | 20.0 |   | 30.0        |               |   |                   |
| trans-1,3-Dichloropropene        | ++++<br>0.4074   | 0.5310<br>0.4347 | 0.5211<br>0.3969 | 0.4034 | 0.3856 | Ave           |             | 0.4400 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,1,2-Trichloroethane            | ++++<br>0.2386   | 0.3065<br>0.2515 | 0.2756<br>0.2246 | 0.2406 | 0.2231 | Ave           |             | 0.2515 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Tetrachloroethene                | 0.8566<br>0.6979 | 0.8218<br>0.7487 | 0.7929<br>0.6999 | 0.6317 | 0.6244 | Ave           |             | 0.7342 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Methyl Butyl Ketone (2-Hexanone) | ++++<br>0.3218   | ++++<br>0.3350   | 0.3428<br>0.2933 | 0.3372 | 0.3072 | Ave           |             | 0.3229 |    |   |         | 6.0  |   | 30.0        |               |   |                   |
| Dibromochloromethane             | ++++<br>0.7641   | 0.8693<br>0.8206 | 0.8009<br>0.7531 | 0.7309 | 0.7043 | Ave           |             | 0.7776 |    |   |         | 7.3  |   | 30.0        |               |   |                   |
| 1,2-Dibromoethane                | ++++<br>0.5699   | 0.6858<br>0.6082 | 0.6337<br>0.5575 | 0.5468 | 0.5266 | Ave           |             | 0.5898 |    |   |         | 9.5  |   | 30.0        |               |   |                   |
| Chlorobenzene                    | ++++<br>0.8562   | 1.1188<br>0.9104 | 1.0232<br>0.8452 | 0.8257 | 0.7873 | Ave           |             | 0.9095 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Ethylbenzene                     | ++++<br>1.2698   | 1.6720<br>1.3446 | 1.4720<br>1.2248 | 1.2486 | 1.1807 | Ave           |             | 1.3446 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| n-Nonane                         | ++++<br>0.4006   | 0.5706<br>0.4074 | 0.4779<br>0.3484 | 0.4278 | 0.3819 | Ave           |             | 0.4307 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| m,p-Xylene                       | ++++<br>0.5571   | 0.7010<br>0.5853 | 0.6413<br>0.5125 | 0.5460 | 0.5179 | Ave           |             | 0.5802 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Xylene, o-                       | ++++<br>0.5455   | 0.6834<br>0.5770 | 0.6137<br>0.5231 | 0.5249 | 0.5019 | Ave           |             | 0.5671 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Styrene                          | ++++<br>0.8656   | 0.9541<br>0.9204 | 0.9136<br>0.8555 | 0.8263 | 0.8014 | Ave           |             | 0.8767 |    |   |         | 6.3  |   | 30.0        |               |   |                   |
| Bromoform                        | ++++<br>0.9241   | 0.8994<br>0.9992 | 0.8780<br>0.9155 | 0.8414 | 0.8278 | Ave           |             | 0.8979 |    |   |         | 6.4  |   | 30.0        |               |   |                   |
| Cumene                           | ++++<br>1.6499   | 1.9796<br>1.7556 | 1.8282<br>1.4434 | 1.5979 | 1.5225 | Ave           |             | 1.6824 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,1,2,2-Tetrachloroethane        | ++++<br>0.6366   | 0.8702<br>0.6690 | 0.7530<br>0.5785 | 0.6621 | 0.6048 | Ave           |             | 0.6820 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| n-Propylbenzene                  | ++++<br>1.7908   | 2.3733<br>1.8744 | 2.0490<br>1.3850 | 1.7812 | 1.6659 | Ave           |             | 1.8457 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichloropropane           | ++++<br>0.4947   | ++++<br>0.5134   | 0.6030<br>0.4371 | 0.5238 | 0.4745 | Ave           |             | 0.5078 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| n-Decane                         | ++++<br>0.5014   | ++++<br>0.4980   | 0.6337<br>0.3936 | 0.5623 | 0.4929 | Ave           |             | 0.5136 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 4-Ethyltoluene                   | ++++<br>1.6369   | 2.1566<br>1.6893 | 1.9088<br>1.2571 | 1.6564 | 1.5395 | Ave           |             | 1.6921 |    |   |         | 17.0 |   | 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.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                        | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| 2-Chlorotoluene        | ++++<br>1.2472 | 1.7057<br>1.2872 | 1.4812<br>1.0531 | 1.2999 | 1.1899 | Ave           |             | 1.3234 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,3,5-Trimethylbenzene | ++++<br>1.4390 | 1.9397<br>1.5255 | 1.5897<br>1.2536 | 1.4136 | 1.3255 | Ave           |             | 1.4981 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Alpha Methyl Styrene   | ++++<br>0.7626 | 0.7974<br>0.7588 | 0.7821<br>0.7610 | 0.7257 | 0.7018 | Ave           |             | 0.7556 |    |   |         | 4.3  |   | 30.0        |               |   |                   |
| tert-Butylbenzene      | ++++<br>1.4924 | 1.8359<br>1.5835 | 1.6778<br>1.2837 | 1.4517 | 1.3741 | Ave           |             | 1.5284 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trimethylbenzene | ++++<br>1.4637 | 2.0433<br>1.5524 | 1.6062<br>1.2229 | 1.4348 | 1.3561 | Ave           |             | 1.5256 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| sec-Butylbenzene       | ++++<br>2.0632 | 2.5547<br>2.1789 | 2.3154<br>1.4251 | 2.0262 | 1.9086 | Ave           |             | 2.0674 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 4-Isopropyltoluene     | ++++<br>1.9534 | 2.4113<br>2.0603 | 2.1698<br>1.3537 | 1.8760 | 1.7911 | Ave           |             | 1.9451 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 1,3-Dichlorobenzene    | ++++<br>1.2534 | 1.4162<br>1.3444 | 1.3973<br>1.1335 | 1.1669 | 1.1261 | Ave           |             | 1.2626 |    |   |         | 9.9  |   | 30.0        |               |   |                   |
| 1,4-Dichlorobenzene    | ++++<br>1.2542 | 1.4128<br>1.3584 | 1.4064<br>1.1452 | 1.1687 | 1.1304 | Ave           |             | 1.2680 |    |   |         | 9.8  |   | 30.0        |               |   |                   |
| Benzyl chloride        | ++++<br>1.1916 | 1.2858<br>1.3735 | 1.2706<br>1.1528 | 1.2727 | 1.2001 | Ave           |             | 1.2496 |    |   |         | 5.9  |   | 30.0        |               |   |                   |
| n-Butylbenzene         | ++++<br>1.3908 | 1.8725<br>1.4049 | 1.6769<br>1.0929 | 1.4753 | 1.3414 | Ave           |             | 1.4650 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| n-Undecane             | ++++<br>0.5277 | ++++<br>0.5058   | ++++<br>0.3515   | 0.6195 | 0.5279 | Ave           |             | 0.5065 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorobenzene    | ++++<br>1.1834 | 1.3600<br>1.2792 | 1.2972<br>1.1327 | 1.1061 | 1.0608 | Ave           |             | 1.2028 |    |   |         | 9.2  |   | 30.0        |               |   |                   |
| n-Dodecane             | ++++<br>0.4939 | ++++<br>0.4800   | ++++<br>0.1856   | 0.4763 | 0.4344 | Ave           |             | 0.4140 |    |   |         | 31.0 | * | 30.0        |               |   |                   |
| 1,2,4-Trichlorobenzene | ++++<br>1.0788 | ++++<br>1.1347   | 1.0891<br>0.6344 | 0.8954 | 0.9152 | Ave           |             | 0.9580 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| Hexachlorobutadiene    | ++++<br>0.9028 | 1.1167<br>0.9583 | 1.0331<br>0.4810 | 0.8767 | 0.8299 | Ave           |             | 0.8855 |    |   |         | 23.0 |   | 30.0        |               |   |                   |
| Naphthalene            | ++++<br>2.1568 | ++++<br>2.1180   | 1.9061<br>1.2421 | 1.7343 | 1.7510 | Ave           |             | 1.8180 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichlorobenzene | ++++<br>0.9830 | 0.7869<br>1.0166 | 0.9715<br>0.4350 | 0.7937 | 0.8142 | Ave           |             | 0.8287 |    |   |         | 24.0 |   | 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.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-69583/3   | 6584_03.D    |
| Level 2 | IC 200-69583/4   | 6584_04.D    |
| Level 3 | IC 200-69583/17  | 6584_17.D    |
| Level 4 | IC 200-69583/6   | 6584_06.D    |
| Level 5 | ICIS 200-69583/7 | 6584_07.D    |
| Level 6 | IC 200-69583/8   | 6584_08.D    |
| Level 7 | IC 200-69583/9   | 6584_09.D    |
| Level 8 | IC 200-69583/10  | 6584_10.D    |

| ANALYTE                       | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                   |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|-------------------------------|-----------|---------------|-----------------|------------------|-------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                               |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Propylene                     | BCM       | Ave           | ++++<br>298868  | ++++<br>408082   | 16016<br>809124   | 90335  | 181800  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Dichlorodifluoromethane       | BCM       | Ave           | ++++<br>2318990 | ++++<br>3267185  | 94592<br>6412714  | 718864 | 1444396 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Freon 22                      | BCM       | Ave           | ++++<br>766711  | ++++<br>1075776  | 33325<br>2119536  | 244137 | 476447  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichlorotetrafluoroethane | BCM       | Ave           | ++++<br>1921803 | 30966<br>2701591 | 78444<br>5285181  | 591393 | 1183101 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chloromethane                 | BCM       | Ave           | ++++<br>373710  | ++++<br>524548   | 17209<br>1050091  | 116419 | 229477  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Butane                      | BCM       | Ave           | ++++<br>616806  | ++++<br>843803   | 26546<br>1684776  | 185566 | 368841  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Vinyl chloride                | BCM       | Ave           | 1767<br>525225  | 8649<br>739494   | 21787<br>1497291  | 160603 | 316364  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3-Butadiene                 | BCM       | Ave           | ++++<br>360241  | 5564<br>515134   | 14522<br>1042017  | 110497 | 225019  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromomethane                  | BCM       | Ave           | ++++<br>709332  | 12048<br>998133  | 29573<br>2040013  | 212908 | 429354  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chloroethane                  | BCM       | Ave           | ++++<br>246857  | ++++<br>345796   | 10765<br>696405   | 76075  | 150856  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Isopentane                    | BCM       | Ave           | ++++<br>387033  | 7412<br>532924   | 16813<br>1086291  | 120683 | 236450  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromoethene (Vinyl Bromide)   | BCM       | Ave           | ++++<br>899568  | 13413<br>1280905 | 35451<br>2628769  | 263513 | 541836  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Trichlorofluoromethane        | BCM       | Ave           | ++++<br>2734267 | 43541<br>3887278 | 109106<br>7865204 | 822444 | 1658401 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Pentane                     | BCM       | Ave           | ++++<br>658272  | ++++<br>908364   | 27079<br>1821586  | 197113 | 393101  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethanol                       | BCM       | Ave           | ++++<br>171760  | ++++<br>356128   | 50748<br>908250   | 82364  | 158331  | ++++<br>20.0            | ++++<br>40.0   | 5.01<br>100.0  | 7.50  | 15.0  |

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                  | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                  |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|--------------------------|-----------|---------------|-----------------|------------------|------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                          |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Ethyl ether              | BCM       | Ave           | ++++<br>338969  | 4983<br>478561   | 13536<br>975060  | 102562 | 207229  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acrolein                 | BCM       | Ave           | ++++<br>143767  | ++++<br>206776   | 8200<br>406405   | 46452  | 94670   | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Freon TF                 | BCM       | Ave           | ++++<br>1651853 | 25874<br>2351895 | 66744<br>4758714 | 493432 | 1006861 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1-Dichloroethene       | BCM       | Ave           | ++++<br>767018  | 11202<br>1094257 | 30114<br>2220318 | 227098 | 460152  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acetone                  | BCM       | Ave           | ++++<br>683269  | ++++<br>1093966  | ++++<br>1803417  | 210248 | 423482  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Carbon disulfide         | BCM       | Ave           | ++++<br>1849794 | ++++<br>2353435  | 62396<br>4790875 | 484724 | 988159  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Isopropyl alcohol        | BCM       | Ave           | ++++<br>509071  | ++++<br>747347   | ++++<br>1381834  | 160073 | 306988  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| 3-Chloropropene          | BCM       | Ave           | ++++<br>503999  | 7581<br>721771   | 19400<br>1447049 | 152541 | 309412  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acetonitrile             | BCM       | Ave           | ++++<br>260894  | ++++<br>367368   | ++++<br>723819   | 69510  | 149718  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Methylene Chloride       | BCM       | Ave           | ++++<br>475096  | ++++<br>669926   | 21351<br>1327962 | 146744 | 286418  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| tert-Butyl alcohol       | BCM       | Ave           | ++++<br>947102  | ++++<br>1471769  | ++++<br>2690824  | 294004 | 572145  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Methyl tert-butyl ether  | BCM       | Ave           | ++++<br>1975578 | 28213<br>2818621 | 74387<br>5680600 | 581168 | 1186227 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| trans-1,2-Dichloroethene | BCM       | Ave           | ++++<br>788753  | 11652<br>1108915 | 29628<br>2189873 | 237263 | 475571  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acrylonitrile            | BCM       | Ave           | ++++<br>316036  | ++++<br>450337   | 11233<br>924437  | 88837  | 186728  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Hexane                 | BCM       | Ave           | ++++<br>751733  | 11320<br>1041087 | 29445<br>2093609 | 217778 | 441793  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1-Dichloroethane       | BCM       | Ave           | 3389<br>1057988 | 16478<br>1518338 | 41116<br>3059145 | 316815 | 649312  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Vinyl acetate            | BCM       | Ave           | ++++<br>1200019 | ++++<br>1711893  | ++++<br>3486674  | 346192 | 710683  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| cis-1,2-Dichloroethene   | BCM       | Ave           | ++++<br>980984  | 14993<br>1416015 | 38215<br>2918433 | 281994 | 587020  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Methyl Ethyl Ketone      | BCM       | Ave           | ++++<br>350986  | ++++<br>513694   | 20748<br>1023216 | 99907  | 208818  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethyl acetate            | BCM       | Ave           | ++++<br>72861   | ++++<br>105391   | ++++<br>216153   | 20246  | 42532   | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Tetrahydrofuran          | DFB       | Ave           | ++++<br>513368  | ++++<br>734029   | ++++<br>1485013  | 153459 | 308296  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                   | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                   |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|---------------------------|-----------|---------------|-----------------|------------------|-------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                           |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Chloroform                | BCM       | Ave           | ++++<br>2049741 | 31186<br>2929800 | 78125<br>5896383  | 602303 | 1231884 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Cyclohexane               | DFB       | Ave           | ++++<br>1231641 | 18485<br>1762668 | 48024<br>3552587  | 352757 | 732126  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,1-Trichloroethane     | DFB       | Ave           | ++++<br>2662058 | 38477<br>3825219 | 100051<br>7710854 | 773006 | 1604820 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Carbon tetrachloride      | DFB       | Ave           | 9057<br>3234907 | 43596<br>4607835 | 116734<br>9431564 | 920235 | 1925143 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 2,2,4-Trimethylpentane    | DFB       | Ave           | ++++<br>3410430 | 48904<br>4788117 | 129481<br>9579174 | 990661 | 2038101 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Benzene                   | DFB       | Ave           | ++++<br>2798383 | 42054<br>4026626 | 112391<br>8195140 | 804505 | 1661370 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichloroethane        | DFB       | Ave           | ++++<br>1306248 | 19712<br>1859756 | 48796<br>3701240  | 394381 | 797724  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Heptane                 | DFB       | Ave           | ++++<br>1093472 | 16789<br>1532398 | 43011<br>3020158  | 321999 | 661942  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Butanol                 | DFB       | Ave           | ++++<br>376202  | ++++<br>545253   | ++++<br>1027530   | 114152 | 218697  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Trichloroethene           | DFB       | Ave           | 5081<br>1690800 | 23830<br>2442289 | 66198<br>4987397  | 475168 | 999506  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichloropropane       | DFB       | Ave           | ++++<br>977106  | 14730<br>1416549 | 37712<br>2861195  | 288170 | 586002  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Methyl methacrylate       | DFB       | Ave           | ++++<br>1103836 | ++++<br>1596837  | 37867<br>3268669  | 304656 | 646744  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,4-Dioxane               | DFB       | Ave           | ++++<br>554620  | ++++<br>796044   | ++++<br>1438986   | 156549 | 309787  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Dibromomethane            | DFB       | Ave           | ++++<br>2368531 | 29779<br>3496533 | 90280<br>7447254  | 600831 | 1331677 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromodichloromethane      | DFB       | Ave           | ++++<br>2888098 | 38954<br>4148989 | 105647<br>8418584 | 816562 | 1706882 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| cis-1,3-Dichloropropene   | DFB       | Ave           | ++++<br>1863705 | 23682<br>2702065 | 68103<br>5607337  | 521704 | 1098440 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| methyl isobutyl ketone    | DFB       | Ave           | ++++<br>1687707 | ++++<br>2418457  | 60143<br>4813145  | 491217 | 1007405 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Toluene                   | CBZ       | Ave           | ++++<br>2827714 | 38081<br>4099784 | 108049<br>8323022 | 764912 | 1646550 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Octane                  | DFB       | Ave           | ++++<br>1786298 | 28994<br>2465548 | 68522<br>4665401  | 534374 | 1088585 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| trans-1,3-Dichloropropene | DFB       | Ave           | ++++<br>2088223 | 28948<br>3034935 | 89036<br>6203417  | 578372 | 1239483 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,2-Trichloroethane     | CBZ       | Ave           | ++++<br>1249163 | 16485<br>1803469 | 47530<br>3642125  | 349164 | 732074  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                          | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                    |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|----------------------------------|-----------|---------------|-----------------|--------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                                  |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7     | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Tetrachloroethene                | CBZ       | Ave           | 9482<br>3654072 | 44193<br>5368390   | 136752<br>11348332 | 916685  | 2048531 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Methyl Butyl Ketone (2-Hexanone) | CBZ       | Ave           | ++++<br>1685045 | ++++<br>2402133    | 59117<br>4755940   | 489293  | 1008004 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Dibromochloromethane             | CBZ       | Ave           | ++++<br>4001001 | 46748<br>5884399   | 138118<br>12210435 | 1060517 | 2310784 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dibromoethane                | CBZ       | Ave           | ++++<br>2983971 | 36880<br>4361203   | 109295<br>9038760  | 793470  | 1727868 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chlorobenzene                    | CBZ       | Ave           | ++++<br>4482844 | 60168<br>6527834   | 176457<br>13702992 | 1198049 | 2583151 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethylbenzene                     | CBZ       | Ave           | ++++<br>6648515 | 89919<br>9641279   | 253859<br>19858506 | 1811692 | 3873875 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Nonane                         | CBZ       | Ave           | ++++<br>2097528 | 30686<br>2921141   | 82426<br>5648557   | 620747  | 1252845 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| m,p-Xylene                       | CBZ       | Ave           | ++++<br>5833710 | 75394<br>8393442   | 221218<br>16617718 | 1584540 | 3398649 | ++++<br>30.0            | 0.401<br>40.0  | 1.00<br>80.0   | 10.00 | 20.0  |
| Xylene, o-                       | CBZ       | Ave           | ++++<br>2856396 | 36754<br>4137056   | 105847<br>8482008  | 761697  | 1646637 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Styrene                          | CBZ       | Ave           | ++++<br>4532103 | 51308<br>6599709   | 157564<br>13870189 | 1198984 | 2629466 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromoform                        | CBZ       | Ave           | ++++<br>4838505 | 48367<br>7164917   | 151426<br>14843248 | 1220937 | 2715969 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Cumene                           | CBZ       | Ave           | ++++<br>8638636 | 106461<br>12588419 | 315300<br>23402938 | 2318545 | 4995109 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,2,2-Tetrachloroethane        | CBZ       | Ave           | ++++<br>3333370 | 46798<br>4796715   | 129867<br>9380368  | 960760  | 1984252 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Propylbenzene                  | CBZ       | Ave           | ++++<br>9376775 | 127633<br>13440119 | 353372<br>22456625 | 2584629 | 5465656 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2,3-Trichloropropane           | CBZ       | Ave           | ++++<br>2590452 | ++++<br>3681350    | 103993<br>7086669  | 760035  | 1556943 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Decane                         | CBZ       | Ave           | ++++<br>2625161 | ++++<br>3571110    | 109292<br>6381846  | 815848  | 1617231 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 4-Ethyltoluene                   | CBZ       | Ave           | ++++<br>8570668 | 115977<br>12113148 | 329202<br>20381969 | 2403448 | 5050904 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 2-Chlorotoluene                  | CBZ       | Ave           | ++++<br>6530371 | 91731<br>9229458   | 255453<br>17074124 | 1886220 | 3903850 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3,5-Trimethylbenzene           | CBZ       | Ave           | ++++<br>7534716 | 104311<br>10938649 | 274169<br>20325838 | 2051127 | 4349072 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Alpha Methyl Styrene             | CBZ       | Ave           | ++++<br>3992968 | 42880<br>5440923   | 134876<br>12338930 | 1052980 | 2302482 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| tert-Butylbenzene                | CBZ       | Ave           | ++++<br>7814140 | 98732<br>11354634  | 289364<br>20813054 | 2106452 | 4508300 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |



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

Lab Name: TestAmerica Burlington Job No.: 200-21737-1 Analy Batch No.: 69583

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/18/2014 09:42 Calibration End Date: 03/18/2014 16:40 Calibration ID: 26036

| ANALYTE                | IS<br>REF | CURVE<br>TYPE | RESPONSE         |                    |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|------------------------|-----------|---------------|------------------|--------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                        |           |               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7     | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,4-Trimethylbenzene | CBZ       | Ave           | ++++<br>7663747  | 109884<br>11131626 | 277006<br>19827314 | 2081904 | 4449383 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| sec-Butylbenzene       | CBZ       | Ave           | ++++<br>10802817 | 137389<br>15624004 | 399320<br>23106044 | 2940059 | 6262027 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 4-Isopropyltoluene     | CBZ       | Ave           | ++++<br>10228064 | 129674<br>14773079 | 374207<br>21948463 | 2722086 | 5876655 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6562820  | 76163<br>9640118   | 240985<br>18378150 | 1693161 | 3694730 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,4-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6566876  | 75976<br>9740625   | 242550<br>18567371 | 1695765 | 3708759 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Benzyl chloride        | CBZ       | Ave           | ++++<br>6239168  | 69148<br>9848355   | 219132<br>18690693 | 1846791 | 3937421 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Butylbenzene         | CBZ       | Ave           | ++++<br>7282002  | 100697<br>10073920 | 289207<br>17720284 | 2140730 | 4400974 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Undecane             | CBZ       | Ave           | ++++<br>2763255  | ++++<br>3626991    | ++++<br>5698616    | 898858  | 1732014 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| 1,2-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6196158  | 73137<br>9172151   | 223715<br>18364719 | 1604939 | 3480544 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Dodecane             | CBZ       | Ave           | ++++<br>2586228  | ++++<br>3441646    | ++++<br>3009118    | 691167  | 1425197 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| 1,2,4-Trichlorobenzene | CBZ       | Ave           | ++++<br>5648414  | ++++<br>8136405    | 187836<br>10286355 | 1299301 | 3002882 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Hexachlorobutadiene    | CBZ       | Ave           | ++++<br>4727211  | 60053<br>6871598   | 178170<br>7798873  | 1272119 | 2722961 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Naphthalene            | CBZ       | Ave           | ++++<br>11293279 | ++++<br>15186624   | 328732<br>20138429 | 2516517 | 5744919 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2,3-Trichlorobenzene | CBZ       | Ave           | ++++<br>5146910  | 42316<br>7289294   | 167553<br>7052922  | 1151653 | 2671513 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-69511/3   | 6557_003.D   |
| Level 2 | IC 200-69511/4   | 6557_004.D   |
| Level 3 | IC 200-69511/5   | 6557_005.D   |
| Level 4 | IC 200-69511/6   | 6557_006.D   |
| Level 5 | ICIS 200-69511/7 | 6557_007.D   |
| Level 6 | IC 200-69511/8   | 6557_008.D   |
| Level 7 | IC 200-69511/9   | 6557_009.D   |
| Level 8 | IC 200-69511/10  | 6557_010.D   |

| ANALYTE                       | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Propylene                     | ++++<br>0.0649   | ++++<br>0.1841   | 0.2747<br>0.1762 | 0.1803 | 0.1655 | Ave           |             | 0.1743 |    |   |         | 38.0 | * | 30.0        |               |   |                   |
| Dichlorodifluoromethane       | ++++<br>1.3843   | ++++<br>1.3872   | 1.8631<br>1.2626 | 1.5008 | 1.3628 | Ave           |             | 1.4601 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Freon 22                      | ++++<br>0.5192   | ++++<br>0.5365   | 0.6606<br>0.5110 | 0.5312 | 0.4957 | Ave           |             | 0.5424 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorotetrafluoroethane | ++++<br>1.2780   | 1.8021<br>1.2832 | 1.6866<br>1.1718 | 1.3580 | 1.2404 | Ave           |             | 1.4029 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| Chloromethane                 | ++++<br>0.2557   | ++++<br>0.2673   | 0.3374<br>0.2600 | 0.2602 | 0.2420 | Ave           |             | 0.2704 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| n-Butane                      | ++++<br>0.4273   | ++++<br>0.4393   | 0.5808<br>0.4225 | 0.4325 | 0.4000 | Ave           |             | 0.4504 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Vinyl chloride                | 0.5225<br>0.4164 | 0.5335<br>0.4378 | 0.5208<br>0.4226 | 0.4337 | 0.4051 | Ave           |             | 0.4616 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,3-Butadiene                 | ++++<br>0.2876   | 0.3548<br>0.3051 | 0.3419<br>0.2945 | 0.2998 | 0.2829 | Ave           |             | 0.3095 |    |   |         | 9.0  |   | 30.0        |               |   |                   |
| Bromomethane                  | ++++<br>0.7524   | 1.1260<br>0.8320 | 1.0784<br>0.8050 | 0.8720 | 0.8046 | Ave           |             | 0.8958 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| Chloroethane                  | ++++<br>0.2970   | ++++<br>0.3413   | 0.4466<br>0.3316 | 0.3583 | 0.3322 | Ave           |             | 0.3512 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Isopentane                    | ++++<br>0.3975   | 0.7623<br>0.4509 | 0.6503<br>0.4306 | 0.4854 | 0.4419 | Ave           |             | 0.5170 |    |   |         | 26.0 |   | 30.0        |               |   |                   |
| Bromoethene (Vinyl Bromide)   | ++++<br>0.8584   | 1.2481<br>0.9721 | 1.2192<br>0.9407 | 1.0078 | 0.9503 | Ave           |             | 1.0281 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Trichlorofluoromethane        | ++++<br>2.1822   | 3.1363<br>2.3916 | 3.0562<br>2.2829 | 2.4875 | 2.3177 | Ave           |             | 2.5506 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| n-Pentane                     | ++++<br>0.8182   | ++++<br>0.8524   | 1.2155<br>0.7879 | 0.9202 | 0.8292 | Ave           |             | 0.9039 |    |   |         | 18.0 |   | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                  | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                          | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethanol                  | +++++<br>0.2119  | +++++<br>0.2032  | 0.2546<br>0.1803 | 0.2678 | 0.2387 | Ave           |             | 0.2261 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Ethyl ether              | +++++<br>0.5071  | 0.6258<br>0.5140 | 0.6097<br>0.4844 | 0.5187 | 0.4844 | Ave           |             | 0.5349 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Acrolein                 | +++++<br>0.2139  | +++++<br>0.2216  | +++++<br>0.1893  | 0.2500 | 0.2275 | Ave           |             | 0.2205 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Freon TF                 | +++++<br>2.1092  | 2.7871<br>2.1282 | 2.5294<br>1.9482 | 2.0951 | 1.9898 | Ave           |             | 2.2267 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethene       | +++++<br>1.0535  | 1.2832<br>1.0739 | 1.2156<br>1.0189 | 1.0212 | 0.9878 | Ave           |             | 1.0935 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Acetone                  | +++++<br>0.8094  | +++++<br>0.9469  | +++++<br>0.7397  | 0.8184 | 0.7368 | Ave           |             | 0.8103 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Isopropyl alcohol        | +++++<br>0.7740  | +++++<br>0.7401  | +++++<br>0.6297  | 0.7768 | 0.6980 | Ave           |             | 0.7237 |    |   |         | 8.5  |   | 30.0        |               |   |                   |
| Carbon disulfide         | +++++<br>2.6094  | +++++<br>2.3649  | 2.9253<br>2.1891 | 2.3918 | 2.2306 | Ave           |             | 2.4519 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 3-Chloropropene          | +++++<br>0.6495  | 0.9517<br>0.6571 | 0.8494<br>0.6082 | 0.7102 | 0.6364 | Ave           |             | 0.7232 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Acetonitrile             | +++++<br>0.3643  | +++++<br>0.3670  | +++++<br>0.3327  | 0.3813 | 0.3412 | Ave           |             | 0.3573 |    |   |         | 5.6  |   | 30.0        |               |   |                   |
| Methylene Chloride       | +++++<br>0.6091  | +++++<br>0.6107  | 0.9661<br>0.5657 | 0.6695 | 0.5945 | Ave           |             | 0.6693 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| tert-Butyl alcohol       | +++++<br>1.4216  | +++++<br>1.4670  | +++++<br>1.2786  | 1.3753 | 1.2864 | Ave           |             | 1.3658 |    |   |         | 6.1  |   | 30.0        |               |   |                   |
| Methyl tert-butyl ether  | +++++<br>2.5967  | 3.0850<br>2.6664 | 2.9368<br>2.5416 | 2.5317 | 2.4407 | Ave           |             | 2.6856 |    |   |         | 8.8  |   | 30.0        |               |   |                   |
| trans-1,2-Dichloroethene | +++++<br>1.0190  | 1.3452<br>1.0305 | 1.2687<br>0.9642 | 1.0569 | 0.9749 | Ave           |             | 1.0942 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Acrylonitrile            | +++++<br>0.4677  | +++++<br>0.4811  | 0.5705<br>0.4538 | 0.4844 | 0.4427 | Ave           |             | 0.4834 |    |   |         | 9.4  |   | 30.0        |               |   |                   |
| n-Hexane                 | +++++<br>1.0545  | 1.4421<br>1.0531 | 1.3195<br>0.9671 | 1.0960 | 1.0084 | Ave           |             | 1.1344 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethane       | 1.9343<br>1.3399 | 1.8300<br>1.3466 | 1.7175<br>1.2355 | 1.4109 | 1.2937 | Ave           |             | 1.5135 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Vinyl acetate            | +++++<br>1.3834  | +++++<br>1.3742  | +++++<br>1.2295  | 1.4803 | 1.3402 | Ave           |             | 1.3615 |    |   |         | 6.6  |   | 30.0        |               |   |                   |
| cis-1,2-Dichloroethene   | +++++<br>1.1542  | 1.5159<br>1.1410 | 1.3928<br>0.9995 | 1.1741 | 1.1102 | Ave           |             | 1.2125 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Ethyl acetate            | +++++<br>0.0916  | +++++<br>0.0920  | +++++<br>0.0807  | 0.0909 | 0.0869 | Ave           |             | 0.0884 |    |   |         | 5.4  |   | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                 | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                         | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Methyl Ethyl Ketone     | ++++<br>0.4418   | ++++<br>0.4450   | 0.8399<br>0.3800 | 0.4577 | 0.4251 | Ave           |             | 0.4983 |    |   |         | 34.0 | * | 30.0        |               |   |                   |
| Tetrahydrofuran         | ++++<br>0.1117   | ++++<br>0.1099   | 0.0985           | 0.1178 | 0.1074 | Ave           |             | 0.1091 |    |   |         | 6.4  |   | 30.0        |               |   |                   |
| Chloroform              | ++++<br>1.9716   | 2.5748<br>2.0083 | 2.3925<br>1.8935 | 1.9886 | 1.8740 | Ave           |             | 2.1005 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Cyclohexane             | ++++<br>0.2828   | 0.3575<br>0.2783 | 0.3407<br>0.2402 | 0.2887 | 0.2710 | Ave           |             | 0.2942 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,1,1-Trichloroethane   | ++++<br>0.4425   | 0.5572<br>0.4388 | 0.5158<br>0.3914 | 0.4421 | 0.4164 | Ave           |             | 0.4577 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Carbon tetrachloride    | 0.6115<br>0.4897 | 0.5836<br>0.4916 | 0.5501<br>0.4547 | 0.4723 | 0.4552 | Ave           |             | 0.5136 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 2,2,4-Trimethylpentane  | ++++<br>0.7071   | 0.9184<br>0.6918 | 0.8763<br>0.6075 | 0.7453 | 0.6773 | Ave           |             | 0.7462 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Benzene                 | ++++<br>0.6129   | 0.8222<br>0.6130 | 0.7646<br>0.5549 | 0.6220 | 0.5801 | Ave           |             | 0.6528 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloroethane      | ++++<br>0.2090   | 0.2697<br>0.2119 | 0.2546<br>0.1999 | 0.2114 | 0.1969 | Ave           |             | 0.2219 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| n-Heptane               | ++++<br>0.1925   | 0.2935<br>0.1873 | 0.2683<br>0.1621 | 0.2119 | 0.1869 | Ave           |             | 0.2147 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| n-Butanol               | ++++<br>0.0900   | ++++<br>0.0818   | ++++<br>0.0739   | 0.0788 | 0.0745 | Ave           |             | 0.0798 |    |   |         | 8.2  |   | 30.0        |               |   |                   |
| Trichloroethene         | 0.4028<br>0.3019 | 0.3870<br>0.3006 | 0.3557<br>0.2688 | 0.3022 | 0.2852 | Ave           |             | 0.3255 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloropropane     | ++++<br>0.1758   | 0.2441<br>0.1728 | 0.2297<br>0.1506 | 0.1858 | 0.1701 | Ave           |             | 0.1898 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Methyl methacrylate     | ++++<br>0.1989   | ++++<br>0.1964   | 0.2206<br>0.1742 | 0.2006 | 0.1891 | Ave           |             | 0.1966 |    |   |         | 7.7  |   | 30.0        |               |   |                   |
| 1,4-Dioxane             | ++++<br>0.1171   | ++++<br>0.1126   | ++++<br>0.0963   | 0.1078 | 0.1028 | Ave           |             | 0.1073 |    |   |         | 7.6  |   | 30.0        |               |   |                   |
| Dibromomethane          | ++++<br>0.3359   | 0.4116<br>0.3256 | 0.3834<br>0.2694 | 0.3341 | 0.3200 | Ave           |             | 0.3400 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Bromodichloromethane    | ++++<br>0.4522   | 0.5578<br>0.4529 | 0.5174<br>0.4105 | 0.4540 | 0.4263 | Ave           |             | 0.4673 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| cis-1,3-Dichloropropene | ++++<br>0.3350   | 0.3894<br>0.3372 | 0.3708<br>0.3102 | 0.3287 | 0.3124 | Ave           |             | 0.3405 |    |   |         | 8.6  |   | 30.0        |               |   |                   |
| methyl isobutyl ketone  | ++++<br>0.2607   | ++++<br>0.2567   | 0.3111<br>0.2275 | 0.2738 | 0.2506 | Ave           |             | 0.2634 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| n-Octane                | ++++<br>0.2612   | 0.3942<br>0.2518 | 0.3649<br>0.2117 | 0.2958 | 0.2582 | Ave           |             | 0.2911 |    |   |         | 23.0 |   | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                          | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|----------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                                  | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Toluene                          | +++++<br>0.5970  | 0.7615<br>0.5874 | 0.7191<br>0.5196 | 0.5897 | 0.5594 | Ave           |             | 0.6191 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| trans-1,3-Dichloropropene        | +++++<br>0.3462  | 0.3935<br>0.3526 | 0.3730<br>0.3248 | 0.3402 | 0.3244 | Ave           |             | 0.3507 |    |   |         | 7.2  |   | 30.0        |               |   |                   |
| 1,1,2-Trichloroethane            | +++++<br>0.2627  | 0.3410<br>0.2609 | 0.3149<br>0.2324 | 0.2612 | 0.2455 | Ave           |             | 0.2741 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Tetrachloroethene                | 0.7247<br>0.5842 | 0.7375<br>0.5564 | 0.6887<br>0.4519 | 0.5833 | 0.5594 | Ave           |             | 0.6108 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| Methyl Butyl Ketone (2-Hexanone) | +++++<br>0.2938  | +++++<br>0.2917  | 0.3696<br>0.2590 | 0.3014 | 0.2767 | Ave           |             | 0.2987 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Dibromochloromethane             | +++++<br>0.6735  | 0.7625<br>0.6601 | 0.7350<br>0.5663 | 0.6524 | 0.6277 | Ave           |             | 0.6682 |    |   |         | 9.8  |   | 30.0        |               |   |                   |
| 1,2-Dibromoethane                | +++++<br>0.5787  | 0.6818<br>0.5704 | 0.6501<br>0.4959 | 0.5602 | 0.5401 | Ave           |             | 0.5825 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Chlorobenzene                    | +++++<br>0.8982  | 1.1090<br>0.8842 | 1.0589<br>0.7705 | 0.8777 | 0.8385 | Ave           |             | 0.9196 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| n-Nonane                         | +++++<br>0.3486  | 0.5649<br>0.3289 | 0.5273<br>0.2622 | 0.4026 | 0.3510 | Ave           |             | 0.3979 |    |   |         | 28.0 |   | 30.0        |               |   |                   |
| Ethylbenzene                     | +++++<br>1.1589  | 1.6628<br>1.0903 | 1.5460<br>0.8425 | 1.2646 | 1.1447 | Ave           |             | 1.2443 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| m,p-Xylene                       | +++++<br>0.5184  | 0.7038<br>0.4856 | 0.6724<br>0.3785 | 0.5592 | 0.5136 | Ave           |             | 0.5474 |    |   |         | 20.0 |   | 30.0        |               |   |                   |
| Xylene, o-                       | +++++<br>0.5564  | 0.6892<br>0.5317 | 0.6641<br>0.4362 | 0.5615 | 0.5306 | Ave           |             | 0.5671 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Styrene                          | +++++<br>0.8692  | 0.9959<br>0.8315 | 0.9712<br>0.6853 | 0.8775 | 0.8314 | Ave           |             | 0.8660 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Bromoform                        | +++++<br>0.6692  | 0.7623<br>0.6207 | 0.7321<br>0.4621 | 0.6894 | 0.6561 | Ave           |             | 0.6560 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| Cumene                           | +++++<br>1.5777  | 1.9416<br>1.5216 | 1.8811<br>1.2487 | 1.5915 | 1.5051 | Ave           |             | 1.6096 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,1,2,2-Tetrachloroethane        | +++++<br>0.6810  | 0.9050<br>0.6626 | 0.8540<br>0.5389 | 0.7067 | 0.6560 | Ave           |             | 0.7149 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| n-Propylbenzene                  | +++++<br>1.7154  | 2.2503<br>1.6359 | 2.1406<br>1.2486 | 1.7994 | 1.6710 | Ave           |             | 1.7802 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichloropropane           | +++++<br>0.4550  | +++++<br>0.4346  | 0.6354<br>0.3300 | 0.5042 | 0.4511 | Ave           |             | 0.4684 |    |   |         | 21.0 |   | 30.0        |               |   |                   |
| n-Decane                         | +++++<br>0.4603  | +++++<br>0.4181  | 0.6818<br>0.3259 | 0.5380 | 0.4668 | Ave           |             | 0.4818 |    |   |         | 25.0 |   | 30.0        |               |   |                   |
| 4-Ethyltoluene                   | +++++<br>1.5866  | 2.0056<br>1.5185 | 1.8864<br>1.1917 | 1.6161 | 1.5173 | Ave           |             | 1.6175 |    |   |         | 16.0 |   | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                        | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| 2-Chlorotoluene        | ++++<br>1.1711 | 1.5843<br>1.1243 | 1.4684<br>0.8735 | 1.2239 | 1.1356 | Ave           |             | 1.2259 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 1,3,5-Trimethylbenzene | ++++<br>1.2780 | 1.8405<br>1.2058 | 1.5800<br>0.9213 | 1.3418 | 1.2470 | Ave           |             | 1.3449 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| Alpha Methyl Styrene   | ++++<br>0.7427 | 0.7643<br>0.6795 | 0.7608<br>0.5905 | 0.7410 | 0.7166 | Ave           |             | 0.7136 |    |   |         | 8.6  |   | 30.0        |               |   |                   |
| tert-Butylbenzene      | ++++<br>1.3383 | 1.6500<br>1.2797 | 1.6121<br>1.0206 | 1.3623 | 1.2752 | Ave           |             | 1.3626 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trimethylbenzene | ++++<br>1.3474 | 1.8414<br>1.2725 | 1.5907<br>1.0374 | 1.3632 | 1.2794 | Ave           |             | 1.3903 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| sec-Butylbenzene       | ++++<br>1.9256 | 2.4847<br>1.7896 | 2.4436<br>1.4307 | 1.9983 | 1.8528 | Ave           |             | 1.9893 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 4-Isopropyltoluene     | ++++<br>1.7011 | 2.1051<br>1.5215 | 2.0199<br>1.2747 | 1.7276 | 1.6212 | Ave           |             | 1.7102 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 1,3-Dichlorobenzene    | ++++<br>1.0335 | 1.2027<br>0.9692 | 1.2192<br>0.7673 | 1.0283 | 0.9819 | Ave           |             | 1.0289 |    |   |         | 15.0 |   | 30.0        |               |   |                   |
| 1,4-Dichlorobenzene    | ++++<br>1.0392 | 1.2010<br>0.9620 | 1.1836<br>0.7732 | 1.0284 | 0.9835 | Ave           |             | 1.0244 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| Benzyl chloride        | ++++<br>1.1308 | 1.1119<br>1.1332 | 1.1776<br>1.0055 | 1.1545 | 1.1243 | Ave           |             | 1.1197 |    |   |         | 4.9  |   | 30.0        |               |   |                   |
| n-Undecane             | ++++<br>0.5446 | ++++<br>0.5062   | ++++<br>0.4288   | 0.6090 | 0.5128 | Ave           |             | 0.5203 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| n-Butylbenzene         | ++++<br>1.3839 | 1.6578<br>1.2166 | 1.6667<br>1.0709 | 1.4202 | 1.3172 | Ave           |             | 1.3905 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorobenzene    | ++++<br>0.9948 | 1.1501<br>0.9058 | 1.1433<br>0.7600 | 0.9847 | 0.9365 | Ave           |             | 0.9822 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| n-Dodecane             | ++++<br>0.5175 | ++++<br>0.4807   | ++++<br>0.3797   | 0.4243 | 0.4502 | Ave           |             | 0.4505 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trichlorobenzene | ++++<br>0.7506 | ++++<br>0.7623   | 0.6249<br>0.6384 | 0.6713 | 0.6625 | Ave           |             | 0.6850 |    |   |         | 8.5  |   | 30.0        |               |   |                   |
| Hexachlorobutadiene    | ++++<br>0.5154 | 0.7227<br>0.4881 | 0.7125<br>0.3436 | 0.5561 | 0.5114 | Ave           |             | 0.5499 |    |   |         | 24.0 |   | 30.0        |               |   |                   |
| Naphthalene            | ++++<br>1.8127 | ++++<br>1.7883   | 1.3094<br>1.6270 | 1.6060 | 1.5881 | Ave           |             | 1.6219 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichlorobenzene | ++++<br>0.7150 | 0.3477<br>0.7206 | 0.5376<br>0.6158 | 0.5638 | 0.6165 | Ave           |             | 0.5882 |    |   |         | 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.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:   | LAB FILE ID: |
|---------|------------------|--------------|
| Level 1 | IC 200-69511/3   | 6557_003.D   |
| Level 2 | IC 200-69511/4   | 6557_004.D   |
| Level 3 | IC 200-69511/5   | 6557_005.D   |
| Level 4 | IC 200-69511/6   | 6557_006.D   |
| Level 5 | ICIS 200-69511/7 | 6557_007.D   |
| Level 6 | IC 200-69511/8   | 6557_008.D   |
| Level 7 | IC 200-69511/9   | 6557_009.D   |
| Level 8 | IC 200-69511/10  | 6557_010.D   |

| ANALYTE                       | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                  |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|-------------------------------|-----------|---------------|-----------------|------------------|------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                               |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Propylene                     | BCM       | Ave           | ++++<br>68669   | ++++<br>255405   | 8571<br>494024   | 57846  | 111743  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Dichlorodifluoromethane       | BCM       | Ave           | ++++<br>1465088 | ++++<br>1924684  | 58127<br>3540616 | 481596 | 920185  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Freon 22                      | BCM       | Ave           | ++++<br>549505  | ++++<br>744372   | 20609<br>1432858 | 170467 | 334727  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichlorotetrafluoroethane | BCM       | Ave           | ++++<br>1352587 | ++++<br>1780420  | 52621<br>3286009 | 435762 | 837587  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chloromethane                 | BCM       | Ave           | ++++<br>270601  | ++++<br>370938   | 10528<br>728978  | 83492  | 163438  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Butane                      | BCM       | Ave           | ++++<br>452265  | ++++<br>609510   | 18121<br>1184752 | 138783 | 270060  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Vinyl chloride                | BCM       | Ave           | 1331<br>440686  | 6759<br>607381   | 16249<br>1184971 | 139181 | 273563  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3-Butadiene                 | BCM       | Ave           | ++++<br>304353  | 4495<br>423287   | 10668<br>825788  | 96202  | 191019  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromomethane                  | BCM       | Ave           | ++++<br>796315  | 14266<br>1154441 | 33647<br>2257298 | 279835 | 543316  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chloroethane                  | BCM       | Ave           | ++++<br>314310  | ++++<br>473613   | 13933<br>929992  | 114968 | 224337  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Isopentane                    | BCM       | Ave           | ++++<br>420737  | 9658<br>625662   | 20288<br>1207411 | 155767 | 298374  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromoethene (Vinyl Bromide)   | BCM       | Ave           | ++++<br>908458  | 15813<br>1348796 | 38039<br>2637985 | 323401 | 641650  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Trichlorofluoromethane        | BCM       | Ave           | ++++<br>2309499 | 39736<br>3318292 | 95353<br>6401573 | 798212 | 1564955 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Pentane                     | BCM       | Ave           | ++++<br>865938  | ++++<br>1182737  | 37924<br>2209554 | 295295 | 559900  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethanol                       | BCM       | Ave           | ++++<br>299678  | ++++<br>563864   | 79522<br>1263924 | 128955 | 241834  | ++++<br>20.0            | ++++<br>40.0   | 5.01<br>100.0  | 7.50  | 15.0  |

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                  | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                  |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|--------------------------|-----------|---------------|-----------------|------------------|------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                          |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Ethyl ether              | BCM       | Ave           | ++++<br>536655  | 7929<br>713148   | 19022<br>1358409 | 166445 | 327105  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acrolein                 | BCM       | Ave           | ++++<br>226399  | ++++<br>307411   | ++++<br>530924   | 80218  | 153606  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Freon TF                 | BCM       | Ave           | ++++<br>2232253 | 35311<br>2952854 | 78917<br>5463001 | 672307 | 1343543 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1-Dichloroethene       | BCM       | Ave           | ++++<br>1115004 | 16258<br>1490003 | 37925<br>2857246 | 327709 | 667016  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acetone                  | BCM       | Ave           | ++++<br>856670  | ++++<br>1313841  | ++++<br>2074276  | 262630 | 497524  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Isopropyl alcohol        | BCM       | Ave           | ++++<br>819186  | ++++<br>1026923  | ++++<br>1765711  | 249273 | 471335  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Carbon disulfide         | BCM       | Ave           | ++++<br>2761642 | ++++<br>3281323  | 91269<br>6138624 | 767517 | 1506201 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 3-Chloropropene          | BCM       | Ave           | ++++<br>687372  | 12058<br>911683  | 26500<br>1705527 | 227884 | 429698  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acetonitrile             | BCM       | Ave           | ++++<br>385574  | ++++<br>509211   | ++++<br>933071   | 122363 | 230402  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Methylene Chloride       | BCM       | Ave           | ++++<br>644656  | ++++<br>847304   | 30143<br>1586209 | 214839 | 401417  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| tert-Butyl alcohol       | BCM       | Ave           | ++++<br>1504559 | ++++<br>2035444  | ++++<br>3585393  | 441312 | 868611  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Methyl tert-butyl ether  | BCM       | Ave           | ++++<br>2748228 | 39086<br>3699655 | 91627<br>7127075 | 812400 | 1648054 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| trans-1,2-Dichloroethene | BCM       | Ave           | ++++<br>1078469 | 17043<br>1429875 | 39584<br>2703787 | 339144 | 658313  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Acrylonitrile            | BCM       | Ave           | ++++<br>495022  | ++++<br>667510   | 17800<br>1272502 | 155452 | 298927  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Hexane                 | BCM       | Ave           | ++++<br>1115992 | 18271<br>1461195 | 41169<br>2711842 | 351686 | 680918  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1-Dichloroethane       | BCM       | Ave           | 4927<br>1418035 | 23185<br>1868454 | 53584<br>3464607 | 452748 | 873545  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Vinyl acetate            | BCM       | Ave           | ++++<br>1464152 | ++++<br>1906704  | ++++<br>3447819  | 475027 | 904975  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| cis-1,2-Dichloroethene   | BCM       | Ave           | ++++<br>1221577 | 19206<br>1583080 | 43454<br>2802676 | 376774 | 749642  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethyl acetate            | BCM       | Ave           | ++++<br>96943   | ++++<br>127711   | ++++<br>226393   | 29154  | 58667   | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Methyl Ethyl Ketone      | BCM       | Ave           | ++++<br>467560  | ++++<br>617414   | 26204<br>1065698 | 146884 | 287042  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Tetrahydrofuran          | DFB       | Ave           | ++++<br>580459  | ++++<br>759097   | ++++<br>1410138  | 184951 | 357806  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |



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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                   | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                   |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|---------------------------|-----------|---------------|-----------------|------------------|-------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                           |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Chloroform                | BCM       | Ave           | ++++<br>2086637 | 32622<br>2786507 | 74646<br>5309881  | 638145  | 1265393 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Cyclohexane               | DFB       | Ave           | ++++<br>1469351 | 22263<br>1923315 | 52451<br>3438058  | 453345  | 902914  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,1-Trichloroethane     | DFB       | Ave           | ++++<br>2299185 | 34702<br>3032003 | 79404<br>5601171  | 694187  | 1387581 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Carbon tetrachloride      | DFB       | Ave           | 7688<br>2544730 | 36346<br>3397109 | 84690<br>6507101  | 741752  | 1516732 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 2,2,4-Trimethylpentane    | DFB       | Ave           | ++++<br>3674073 | 57197<br>4780267 | 134899<br>8692904 | 1170360 | 2256830 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Benzene                   | DFB       | Ave           | ++++<br>3184914 | 51207<br>4236294 | 117698<br>7941325 | 976766  | 1932969 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichloroethane        | DFB       | Ave           | ++++<br>1086275 | 16799<br>1464050 | 39188<br>2860834  | 332018  | 656142  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Heptane                 | DFB       | Ave           | ++++<br>1000301 | 18279<br>1294563 | 41308<br>2319165  | 332828  | 622895  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Butanol                 | DFB       | Ave           | ++++<br>467587  | ++++<br>565060   | ++++<br>1057428   | 123822  | 248283  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Trichloroethene           | DFB       | Ave           | 5064<br>1568848 | 24102<br>2077327 | 54752<br>3845972  | 474548  | 950435  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichloropropane       | DFB       | Ave           | ++++<br>913733  | 15200<br>1194267 | 35366<br>2154445  | 291733  | 566681  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Methyl methacrylate       | DFB       | Ave           | ++++<br>1033432 | ++++<br>1357006  | 33960<br>2492241  | 315002  | 630238  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,4-Dioxane               | DFB       | Ave           | ++++<br>608623  | ++++<br>777877   | ++++<br>1377573   | 169229  | 342447  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| Dibromomethane            | DFB       | Ave           | ++++<br>1745664 | 25631<br>2250293 | 59019<br>3855401  | 524669  | 1066343 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromodichloromethane      | DFB       | Ave           | ++++<br>2349823 | 34739<br>3129985 | 79649<br>5874293  | 712958  | 1420398 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| cis-1,3-Dichloropropene   | DFB       | Ave           | ++++<br>1740534 | 24251<br>2329911 | 57084<br>4438475  | 516162  | 1040993 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| methyl isobutyl ketone    | DFB       | Ave           | ++++<br>1354524 | ++++<br>1773942  | 47898<br>3256051  | 429924  | 834973  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Octane                  | DFB       | Ave           | ++++<br>1357409 | 24552<br>1740122 | 56176<br>3029042  | 464584  | 860496  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Toluene                   | CBZ       | Ave           | ++++<br>2674219 | 40930<br>3499416 | 95787<br>6361095  | 816354  | 1633881 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| trans-1,3-Dichloropropene | DFB       | Ave           | ++++<br>1798875 | 24509<br>2436771 | 57421<br>4648506  | 534250  | 1080930 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,2-Trichloroethane     | CBZ       | Ave           | ++++<br>1176628 | 18328<br>1554181 | 41944<br>2845144  | 361660  | 717177  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                          | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                   |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|----------------------------------|-----------|---------------|-----------------|-------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                                  |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7    | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Tetrachloroethene                | CBZ       | Ave           | 7833<br>2616855 | 39642<br>3314444  | 91737<br>5532199   | 807492  | 1633959 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Methyl Butyl Ketone (2-Hexanone) | CBZ       | Ave           | ++++<br>1316006 | ++++<br>1737767   | 49225<br>3170989   | 417306  | 808379  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Dibromochloromethane             | CBZ       | Ave           | ++++<br>3017034 | 40982<br>3932354  | 97899<br>6932737   | 903205  | 1833432 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dibromoethane                | CBZ       | Ave           | ++++<br>2592310 | 36645<br>3398396  | 86600<br>6070004   | 775530  | 1577770 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Chlorobenzene                    | CBZ       | Ave           | ++++<br>4023470 | 59607<br>5267778  | 141044<br>9431276  | 1215122 | 2449145 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Nonane                         | CBZ       | Ave           | ++++<br>1561478 | 30365<br>1959601  | 70239<br>3209594   | 557391  | 1025407 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Ethylbenzene                     | CBZ       | Ave           | ++++<br>5191461 | 89374<br>6495489  | 205924<br>10312987 | 1750749 | 3343755 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| m,p-Xylene                       | CBZ       | Ave           | ++++<br>4644341 | 75656<br>5786128  | 179129<br>9266378  | 1548469 | 3000428 | ++++<br>30.0            | 0.401<br>40.0  | 1.00<br>80.0   | 10.00 | 20.0  |
| Xylene, o-                       | CBZ       | Ave           | ++++<br>2492466 | 37045<br>3167400  | 88465<br>5339938   | 777411  | 1549988 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Styrene                          | CBZ       | Ave           | ++++<br>3893795 | 53527<br>4953505  | 129371<br>8389157  | 1214818 | 2428442 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Bromoform                        | CBZ       | Ave           | ++++<br>2997727 | 40971<br>3697642  | 97515<br>5656651   | 954393  | 1916394 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Cumene                           | CBZ       | Ave           | ++++<br>7067549 | 104358<br>9064997 | 250560<br>15285968 | 2203399 | 4396476 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,1,2,2-Tetrachloroethane        | CBZ       | Ave           | ++++<br>3050605 | 48641<br>3947404  | 113755<br>6596922  | 978332  | 1916061 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Propylbenzene                  | CBZ       | Ave           | ++++<br>7684271 | 120949<br>9745592 | 285137<br>15283787 | 2491172 | 4881105 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2,3-Trichloropropane           | CBZ       | Ave           | ++++<br>2038241 | ++++<br>2588942   | 84639<br>4039768   | 698070  | 1317531 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Decane                         | CBZ       | Ave           | ++++<br>2062173 | ++++<br>2490757   | 90811<br>3988912   | 744811  | 1363532 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 4-Ethyltoluene                   | CBZ       | Ave           | ++++<br>7107273 | 107800<br>9046481 | 251275<br>14587801 | 2237468 | 4432110 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 2-Chlorotoluene                  | CBZ       | Ave           | ++++<br>5246023 | 85154<br>6698226  | 195591<br>10693128 | 1694435 | 3317018 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3,5-Trimethylbenzene           | CBZ       | Ave           | ++++<br>5725056 | 98925<br>7183369  | 210455<br>11277858 | 1857598 | 3642511 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Alpha Methyl Styrene             | CBZ       | Ave           | ++++<br>3326924 | 41079<br>4047851  | 101344<br>7228062  | 1025925 | 2093076 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| tert-Butylbenzene                | CBZ       | Ave           | ++++<br>5995016 | 88687<br>7624038  | 214734<br>12493741 | 1886002 | 3724879 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |

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

Lab Name: TestAmerica Burlington Job No.: 200-21778-1 Analy Batch No.: 69511

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 03/14/2014 12:11 Calibration End Date: 03/14/2014 18:16 Calibration ID: 25935

| ANALYTE                | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                    |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|------------------------|-----------|---------------|-----------------|--------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                        |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7     | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,4-Trimethylbenzene | CBZ       | Ave           | ++++<br>6036071 | 98972<br>7580704   | 211879<br>12699315 | 1887274 | 3737027 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| sec-Butylbenzene       | CBZ       | Ave           | ++++<br>8626253 | 133548<br>10661494 | 325491<br>17513133 | 2766537 | 5412056 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 4-Isopropyltoluene     | CBZ       | Ave           | ++++<br>7620158 | 113149<br>9064508  | 269051<br>15603740 | 2391787 | 4735407 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,3-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4629709 | 64644<br>5773886   | 162406<br>9392266  | 1423576 | 2868077 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,4-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4655273 | 64551<br>5731284   | 157663<br>9464364  | 1423820 | 2872688 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Benzyl chloride        | CBZ       | Ave           | ++++<br>5065652 | 59765<br>6751126   | 156864<br>12308288 | 1598301 | 3284040 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Undecane             | CBZ       | Ave           | ++++<br>2439571 | ++++<br>3015477    | ++++<br>5248772    | 843164  | 1497753 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| n-Butylbenzene         | CBZ       | Ave           | ++++<br>6199465 | 89107<br>7247969   | 222001<br>13108720 | 1966195 | 3847571 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2-Dichlorobenzene    | CBZ       | Ave           | ++++<br>4456201 | 61816<br>5396501   | 152286<br>9303927  | 1363193 | 2735633 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| n-Dodecane             | CBZ       | Ave           | ++++<br>2318147 | ++++<br>2863895    | ++++<br>4647868    | 587452  | 1315124 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 5.00  | 10.00 |
| 1,2,4-Trichlorobenzene | CBZ       | Ave           | ++++<br>3362637 | ++++<br>4541232    | 83237<br>7814515   | 929365  | 1935193 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| Hexachlorobutadiene    | CBZ       | Ave           | ++++<br>2308722 | 38842<br>2907662   | 94901<br>4206355   | 769824  | 1493683 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 10.00 |
| Naphthalene            | CBZ       | Ave           | ++++<br>8120457 | ++++<br>10653795   | 174415<br>19916995 | 2223399 | 4638967 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 5.00  | 10.00 |
| 1,2,3-Trichlorobenzene | CBZ       | Ave           | ++++<br>3203028 | 18691<br>4293018   | 71612<br>7538008   | 780543  | 1800836 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 5.00  | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:    | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 200-68619/6    | 6246_006.D   |
| Level 2 | IC 200-68619/7    | 6246_007.D   |
| Level 3 | IC 200-68619/8    | 6246_008.D   |
| Level 4 | IC 200-68619/9    | 6246_009.D   |
| Level 5 | ICIS 200-68619/10 | 6246_010.D   |
| Level 6 | IC 200-68619/11   | 6246_011.D   |
| Level 7 | IC 200-68619/12   | 6246_012.D   |
| Level 8 | IC 200-68619/13   | 6246_013.D   |

| ANALYTE                       | RRF              |                  |                  |        |        | CURVE TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|-------------------------------|------------------|------------------|------------------|--------|--------|------------|-------------|--------|----|---|---------|------|---|----------|------------|---|----------------|
|                               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |            | B           | M1     | M2 |   |         |      |   |          |            |   |                |
| Propylene                     | ++++<br>0.3790   | 0.7148<br>0.3651 | 0.5325<br>0.3363 | 0.4395 | 0.4003 | Ave        |             | 0.4525 |    |   |         | 29.0 |   | 30.0     |            |   |                |
| Dichlorodifluoromethane       | ++++<br>2.9874   | ++++<br>2.8719   | 3.7069<br>2.5818 | 3.5158 | 3.1589 | Ave        |             | 3.1371 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| Freon 22                      | ++++<br>1.1103   | ++++<br>1.0831   | 1.3941<br>0.9884 | 1.3139 | 1.1968 | Ave        |             | 1.1811 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| 1,2-Dichlorotetrafluoroethane | ++++<br>2.4982   | 2.9659<br>2.4044 | 3.1537<br>2.1606 | 2.9606 | 2.6635 | Ave        |             | 2.6867 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| Chloromethane                 | ++++<br>0.5533   | ++++<br>0.5482   | 0.7230<br>0.5063 | 0.6554 | 0.5875 | Ave        |             | 0.5956 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| n-Butane                      | ++++<br>0.7455   | ++++<br>0.7094   | 0.9492<br>0.6507 | 0.8742 | 0.7817 | Ave        |             | 0.7851 |    |   |         | 14.0 |   | 30.0     |            |   |                |
| Vinyl chloride                | 1.0034<br>0.7381 | 0.8642<br>0.7149 | 0.9178<br>0.6605 | 0.8506 | 0.7784 | Ave        |             | 0.8160 |    |   |         | 14.0 |   | 30.0     |            |   |                |
| 1,3-Butadiene                 | ++++<br>0.4505   | 0.5325<br>0.4310 | 0.5198<br>0.4026 | 0.5203 | 0.4743 | Ave        |             | 0.4758 |    |   |         | 11.0 |   | 30.0     |            |   |                |
| Bromomethane                  | ++++<br>1.0944   | 1.2407<br>1.0686 | 1.3271<br>0.9905 | 1.2599 | 1.1512 | Ave        |             | 1.1618 |    |   |         | 10.0 |   | 30.0     |            |   |                |
| Chloroethane                  | ++++<br>0.3098   | ++++<br>0.3014   | 0.3824<br>0.2800 | 0.3491 | 0.3212 | Ave        |             | 0.3240 |    |   |         | 11.0 |   | 30.0     |            |   |                |
| Isopentane                    | ++++<br>0.4694   | 0.6333<br>0.4590 | 0.5858<br>0.4236 | 0.5377 | 0.4893 | Ave        |             | 0.5140 |    |   |         | 15.0 |   | 30.0     |            |   |                |
| Bromoethene (Vinyl Bromide)   | ++++<br>1.2099   | 1.3175<br>1.1834 | 1.3962<br>1.1154 | 1.3594 | 1.2482 | Ave        |             | 1.2614 |    |   |         | 8.0  |   | 30.0     |            |   |                |
| Trichlorofluoromethane        | ++++<br>3.3690   | 3.9158<br>3.2572 | 4.1251<br>3.0024 | 3.8886 | 3.5242 | Ave        |             | 3.5832 |    |   |         | 11.0 |   | 30.0     |            |   |                |
| n-Pentane                     | ++++<br>0.7616   | ++++<br>0.7386   | 0.9161<br>0.6848 | 0.8786 | 0.7926 | Ave        |             | 0.7954 |    |   |         | 11.0 |   | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                  | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                          | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethanol                  | ++++<br>0.1881   | ++++<br>0.1853   | 0.2071<br>0.1702 | 0.1978 | 0.1977 | Ave           |             | 0.1910 |    |   |         | 6.7  |   | 30.0        |               |   |                   |
| Ethyl ether              | ++++<br>0.3844   | 0.4421<br>0.3774 | 0.4217<br>0.3489 | 0.4319 | 0.3959 | Ave           |             | 0.4003 |    |   |         | 8.3  |   | 30.0        |               |   |                   |
| Acrolein                 | ++++<br>0.1860   | ++++<br>0.1868   | ++++<br>0.1778   | 0.2117 | 0.1927 | Ave           |             | 0.1910 |    |   |         | 6.7  |   | 30.0        |               |   |                   |
| Freon TF                 | ++++<br>2.1059   | 2.4624<br>2.0546 | 2.5764<br>1.8830 | 2.4437 | 2.2143 | Ave           |             | 2.2486 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,1-Dichloroethene       | ++++<br>0.8763   | 1.0812<br>0.8661 | 1.1007<br>0.7895 | 1.0239 | 0.9260 | Ave           |             | 0.9520 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Acetone                  | ++++<br>0.7971   | ++++<br>0.8386   | ++++<br>0.7060   | 0.9395 | 1.1132 | Ave           |             | 0.8789 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| Carbon disulfide         | ++++<br>2.4487   | ++++<br>2.1749   | 2.5564<br>2.0324 | 2.4828 | 2.2943 | Ave           |             | 2.3316 |    |   |         | 8.6  |   | 30.0        |               |   |                   |
| Isopropyl alcohol        | ++++<br>0.6937   | ++++<br>0.6671   | ++++<br>0.5864   | 0.8299 | 0.7687 | Ave           |             | 0.7092 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| 3-Chloropropene          | ++++<br>0.6020   | 0.6648<br>0.5923 | 0.6802<br>0.5536 | 0.6807 | 0.6293 | Ave           |             | 0.6290 |    |   |         | 7.8  |   | 30.0        |               |   |                   |
| Acetonitrile             | ++++<br>0.3343   | ++++<br>0.3306   | ++++<br>0.2974   | 0.3817 | 0.3475 | Ave           |             | 0.3383 |    |   |         | 9.0  |   | 30.0        |               |   |                   |
| Methylene Chloride       | ++++<br>0.6573   | ++++<br>0.6531   | 0.8540<br>0.6026 | 0.7739 | 0.7006 | Ave           |             | 0.7069 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| tert-Butyl alcohol       | ++++<br>1.2326   | ++++<br>1.2177   | ++++<br>1.0621   | 1.4441 | 1.3426 | Ave           |             | 1.2598 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Methyl tert-butyl ether  | ++++<br>2.1552   | 2.3025<br>2.1124 | 2.4465<br>1.9713 | 2.4261 | 2.2480 | Ave           |             | 2.2374 |    |   |         | 7.7  |   | 30.0        |               |   |                   |
| trans-1,2-Dichloroethene | ++++<br>0.9840   | 1.1100<br>0.9521 | 1.1752<br>0.8772 | 1.1426 | 1.0320 | Ave           |             | 1.0390 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Acrylonitrile            | ++++<br>0.3737   | ++++<br>0.3698   | 0.3979<br>0.3534 | 0.4100 | 0.3871 | Ave           |             | 0.3820 |    |   |         | 5.4  |   | 30.0        |               |   |                   |
| n-Hexane                 | ++++<br>0.8027   | 0.9300<br>0.7717 | 0.9275<br>0.7220 | 0.8956 | 0.8249 | Ave           |             | 0.8392 |    |   |         | 9.6  |   | 30.0        |               |   |                   |
| 1,1-Dichloroethane       | 1.8728<br>1.4106 | 1.5118<br>1.3786 | 1.6374<br>1.2923 | 1.6128 | 1.4588 | Ave           |             | 1.5219 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| Vinyl acetate            | ++++<br>1.4586   | ++++<br>1.4336   | ++++<br>1.3509   | 1.6067 | 1.5101 | Ave           |             | 1.4720 |    |   |         | 6.4  |   | 30.0        |               |   |                   |
| cis-1,2-Dichloroethene   | ++++<br>1.2236   | 1.3809<br>1.2157 | 1.4483<br>1.1225 | 1.3690 | 1.2681 | Ave           |             | 1.2897 |    |   |         | 8.8  |   | 30.0        |               |   |                   |
| Methyl Ethyl Ketone      | ++++<br>0.4063   | ++++<br>0.3921   | 0.5877<br>0.3624 | 0.4465 | 0.4213 | Ave           |             | 0.4361 |    |   |         | 18.0 |   | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                 | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                         | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| Ethyl acetate           | +++++<br>0.0650  | +++++<br>0.0646  | +++++<br>0.0604  | 0.0716 | 0.0688 | Ave           |             | 0.0661 |    |   |         | 6.5  |   | 30.0        |               |   |                   |
| Tetrahydrofuran         | +++++<br>0.1164  | +++++<br>0.1139  | +++++<br>0.1073  | 0.1333 | 0.1238 | Ave           |             | 0.1189 |    |   |         | 8.4  |   | 30.0        |               |   |                   |
| Chloroform              | +++++<br>2.7018  | 2.9925<br>2.6339 | 3.2808<br>2.4348 | 3.1270 | 2.8420 | Ave           |             | 2.8590 |    |   |         | 10.0 |   | 30.0        |               |   |                   |
| Cyclohexane             | +++++<br>0.2335  | 0.2692<br>0.2286 | 0.2896<br>0.2081 | 0.2713 | 0.2468 | Ave           |             | 0.2496 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| 1,1,1-Trichloroethane   | +++++<br>0.5599  | 0.6287<br>0.5463 | 0.6614<br>0.5043 | 0.6418 | 0.5910 | Ave           |             | 0.5905 |    |   |         | 9.6  |   | 30.0        |               |   |                   |
| Carbon tetrachloride    | 0.8704<br>0.7170 | 0.7330<br>0.7011 | 0.7920<br>0.6630 | 0.7981 | 0.7476 | Ave           |             | 0.7528 |    |   |         | 8.7  |   | 30.0        |               |   |                   |
| Benzene                 | +++++<br>0.6126  | 0.7670<br>0.5960 | 0.7802<br>0.5356 | 0.7241 | 0.6554 | Ave           |             | 0.6673 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 2,2,4-Trimethylpentane  | +++++<br>0.7504  | 0.8447<br>0.7188 | 0.9318<br>0.6407 | 0.8886 | 0.7986 | Ave           |             | 0.7963 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloroethane      | +++++<br>0.3158  | 0.3579<br>0.3097 | 0.3637<br>0.2917 | 0.3606 | 0.3323 | Ave           |             | 0.3331 |    |   |         | 8.5  |   | 30.0        |               |   |                   |
| n-Heptane               | +++++<br>0.2656  | 0.3901<br>0.2555 | 0.3322<br>0.2291 | 0.3164 | 0.2826 | Ave           |             | 0.2959 |    |   |         | 18.0 |   | 30.0        |               |   |                   |
| n-Butanol               | +++++<br>0.1138  | +++++<br>0.1085  | +++++<br>0.0985  | 0.1250 | 0.1251 | Ave           |             | 0.1142 |    |   |         | 9.9  |   | 30.0        |               |   |                   |
| Trichloroethene         | 0.6018<br>0.4313 | 0.4822<br>0.4200 | 0.5161<br>0.3834 | 0.4935 | 0.4566 | Ave           |             | 0.4731 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,2-Dichloropropane     | +++++<br>0.2993  | +++++<br>0.2894  | 0.3554<br>0.2648 | 0.3491 | 0.3164 | Ave           |             | 0.3124 |    |   |         | 11.0 |   | 30.0        |               |   |                   |
| Methyl methacrylate     | +++++<br>0.2743  | +++++<br>0.2672  | 0.2519<br>0.2410 | 0.3044 | 0.2912 | Ave           |             | 0.2717 |    |   |         | 8.7  |   | 30.0        |               |   |                   |
| 1,4-Dioxane             | +++++<br>0.1435  | +++++<br>0.1333  | +++++<br>0.1050  | 0.1845 | 0.1685 | Ave           |             | 0.1470 |    |   |         | 21.0 |   | 30.0        |               |   |                   |
| Dibromomethane          | +++++<br>0.5299  | 0.5059<br>0.5205 | 0.5472<br>0.4799 | 0.5665 | 0.5483 | Ave           |             | 0.5283 |    |   |         | 5.5  |   | 30.0        |               |   |                   |
| Bromodichloromethane    | +++++<br>0.7822  | 0.7104<br>0.7619 | 0.8147<br>0.7015 | 0.8719 | 0.8169 | Ave           |             | 0.7799 |    |   |         | 7.8  |   | 30.0        |               |   |                   |
| cis-1,3-Dichloropropene | +++++<br>0.5275  | 0.5037<br>0.5167 | 0.5567<br>0.4785 | 0.5843 | 0.5498 | Ave           |             | 0.5310 |    |   |         | 6.7  |   | 30.0        |               |   |                   |
| methyl isobutyl ketone  | +++++<br>0.4791  | +++++<br>0.4654  | 0.5090<br>0.4170 | 0.5542 | 0.5084 | Ave           |             | 0.4889 |    |   |         | 9.5  |   | 30.0        |               |   |                   |
| Toluene                 | +++++<br>0.6736  | 0.8475<br>0.6539 | 0.8557<br>0.5939 | 0.7881 | 0.7155 | Ave           |             | 0.7326 |    |   |         | 14.0 |   | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                          | RRF              |                  |                  |        |        | CURVE TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX %RSD | R^2 OR COD | # | MIN R^2 OR COD |
|----------------------------------|------------------|------------------|------------------|--------|--------|------------|-------------|--------|----|---|---------|------|---|----------|------------|---|----------------|
|                                  | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |            | B           | M1     | M2 |   |         |      |   |          |            |   |                |
| n-Octane                         | ++++<br>0.4757   | 0.5660<br>0.4515 | 0.6118<br>0.3919 | 0.5769 | 0.5095 | Ave        |             | 0.5119 |    |   |         | 15.0 |   | 30.0     |            |   |                |
| trans-1,3-Dichloropropene        | ++++<br>0.5472   | 0.5000<br>0.5393 | 0.5358<br>0.5022 | 0.5938 | 0.5676 | Ave        |             | 0.5408 |    |   |         | 6.2  |   | 30.0     |            |   |                |
| 1,1,2-Trichloroethane            | ++++<br>0.3425   | 0.4013<br>0.3302 | 0.4312<br>0.2966 | 0.4020 | 0.3650 | Ave        |             | 0.3670 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| Tetrachloroethene                | 0.9338<br>0.7367 | 0.8221<br>0.7240 | 0.8469<br>0.6644 | 0.8066 | 0.7642 | Ave        |             | 0.7873 |    |   |         | 11.0 |   | 30.0     |            |   |                |
| Methyl Butyl Ketone (2-Hexanone) | ++++<br>0.4399   | ++++<br>0.4240   | 0.4247<br>0.3847 | 0.4984 | 0.4602 | Ave        |             | 0.4387 |    |   |         | 8.7  |   | 30.0     |            |   |                |
| Dibromochloromethane             | ++++<br>0.9758   | 0.7972<br>0.9608 | 0.9394<br>0.8879 | 1.0535 | 1.0145 | Ave        |             | 0.9470 |    |   |         | 8.9  |   | 30.0     |            |   |                |
| 1,2-Dibromoethane                | ++++<br>0.7320   | 0.6994<br>0.7215 | 0.7824<br>0.6592 | 0.8090 | 0.7678 | Ave        |             | 0.7388 |    |   |         | 7.0  |   | 30.0     |            |   |                |
| Chlorobenzene                    | ++++<br>1.0220   | 1.1042<br>0.9920 | 1.2016<br>0.9015 | 1.1480 | 1.0700 | Ave        |             | 1.0628 |    |   |         | 9.5  |   | 30.0     |            |   |                |
| Ethylbenzene                     | ++++<br>1.4406   | 1.6349<br>1.3849 | 1.7496<br>1.2345 | 1.6743 | 1.5338 | Ave        |             | 1.5218 |    |   |         | 12.0 |   | 30.0     |            |   |                |
| n-Nonane                         | ++++<br>0.4993   | 0.6108<br>0.4715 | 0.6510<br>0.4027 | 0.6151 | 0.5396 | Ave        |             | 0.5414 |    |   |         | 17.0 |   | 30.0     |            |   |                |
| m,p-Xylene                       | ++++<br>0.5833   | 0.6732<br>0.5577 | 0.7351<br>0.4869 | 0.6939 | 0.6247 | Ave        |             | 0.6221 |    |   |         | 14.0 |   | 30.0     |            |   |                |
| Xylene, o-                       | ++++<br>0.6179   | 0.7013<br>0.5922 | 0.7302<br>0.5305 | 0.7180 | 0.6556 | Ave        |             | 0.6494 |    |   |         | 11.0 |   | 30.0     |            |   |                |
| Styrene                          | ++++<br>0.8950   | 0.7292<br>0.8822 | 0.8183<br>0.8051 | 0.9800 | 0.9422 | Ave        |             | 0.8646 |    |   |         | 10.0 |   | 30.0     |            |   |                |
| Bromoform                        | ++++<br>0.9868   | 0.6585<br>0.9680 | 0.7646<br>0.8734 | 1.0116 | 1.0068 | Ave        |             | 0.8956 |    |   |         | 15.0 |   | 30.0     |            |   |                |
| Cumene                           | ++++<br>1.6955   | 1.9142<br>1.6278 | 2.0836<br>1.3845 | 2.0022 | 1.8098 | Ave        |             | 1.7882 |    |   |         | 13.0 |   | 30.0     |            |   |                |
| 1,1,2,2-Tetrachloroethane        | ++++<br>0.8368   | 0.9511<br>0.7931 | 1.0202<br>0.6766 | 1.0058 | 0.9000 | Ave        |             | 0.8834 |    |   |         | 14.0 |   | 30.0     |            |   |                |
| 1,2,3-Trichloropropane           | ++++<br>0.5560   | ++++<br>0.5167   | 0.7169<br>0.4246 | 0.6896 | 0.6072 | Ave        |             | 0.5852 |    |   |         | 19.0 |   | 30.0     |            |   |                |
| n-Propylbenzene                  | ++++<br>1.7505   | 2.0045<br>1.6320 | 2.1816<br>1.2866 | 2.1484 | 1.9133 | Ave        |             | 1.8452 |    |   |         | 17.0 |   | 30.0     |            |   |                |
| 2-Chlorotoluene                  | ++++<br>1.1249   | 1.4237<br>1.0380 | 1.5758<br>0.8450 | 1.4702 | 1.2593 | Ave        |             | 1.2481 |    |   |         | 21.0 |   | 30.0     |            |   |                |
| 4-Ethyltoluene                   | ++++<br>1.4133   | 1.5374<br>1.3144 | 1.8036<br>1.0959 | 1.7845 | 1.5620 | Ave        |             | 1.5016 |    |   |         | 17.0 |   | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |        |    | # | MIN RRF | %RSD | # | MAX<br>%RSD | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|--------|----|---|---------|------|---|-------------|---------------|---|-------------------|
|                        | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1     | M2 |   |         |      |   |             |               |   |                   |
| n-Decane               | ++++<br>0.4869 | ++++<br>0.4329   | 0.8002<br>0.3339 | 0.6874 | 0.5657 | Ave           |             | 0.5512 |    |   |         | 31.0 | * | 30.0        |               |   |                   |
| 1,3,5-Trimethylbenzene | ++++<br>1.4241 | 1.5856<br>1.3557 | 1.6894<br>1.1591 | 1.6548 | 1.5215 | Ave           |             | 1.4843 |    |   |         | 13.0 |   | 30.0        |               |   |                   |
| Alpha Methyl Styrene   | ++++<br>0.7386 | 0.4902<br>0.7181 | 0.5931<br>0.6619 | 0.7878 | 0.7701 | Ave           |             | 0.6800 |    |   |         | 16.0 |   | 30.0        |               |   |                   |
| tert-Butylbenzene      | ++++<br>1.4158 | 1.6505<br>1.3510 | 1.7694<br>1.1603 | 1.6832 | 1.5208 | Ave           |             | 1.5073 |    |   |         | 14.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trimethylbenzene | ++++<br>1.4103 | 1.4768<br>1.3415 | 1.5803<br>1.1247 | 1.6233 | 1.4992 | Ave           |             | 1.4366 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| sec-Butylbenzene       | ++++<br>2.0054 | 2.3299<br>1.8723 | 2.5263<br>1.3417 | 2.4266 | 2.1646 | Ave           |             | 2.0953 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 4-Isopropyltoluene     | ++++<br>1.6844 | 1.8650<br>1.5616 | 2.0415<br>1.1741 | 2.0353 | 1.8249 | Ave           |             | 1.7410 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| 1,3-Dichlorobenzene    | ++++<br>0.9602 | 0.7275<br>0.9249 | 0.8244<br>0.8156 | 0.9975 | 0.9972 | Ave           |             | 0.8925 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| 1,4-Dichlorobenzene    | ++++<br>0.9756 | 0.6150<br>0.9708 | 0.7069<br>0.8942 | 0.9241 | 0.9794 | Ave           |             | 0.8666 |    |   |         | 17.0 |   | 30.0        |               |   |                   |
| Benzyl chloride        | ++++<br>1.0292 | 0.6091<br>1.0483 | 0.6936<br>0.9779 | 1.0211 | 1.0511 | Ave           |             | 0.9186 |    |   |         | 20.0 |   | 30.0        |               |   |                   |
| n-Butylbenzene         | ++++<br>1.3896 | 1.2546<br>1.3074 | 1.4538<br>1.0894 | 1.6106 | 1.4877 | Ave           |             | 1.3704 |    |   |         | 12.0 |   | 30.0        |               |   |                   |
| n-Undecane             | ++++<br>0.6417 | ++++<br>0.5863   | ++++<br>0.4759   | 0.7997 | 0.7082 | Ave           |             | 0.6424 |    |   |         | 19.0 |   | 30.0        |               |   |                   |
| 1,2-Dichlorobenzene    | ++++<br>1.0082 | ++++<br>0.9898   | ++++<br>0.8983   | 1.0253 | 1.0277 | Ave           |             | 0.9899 |    |   |         | 5.4  |   | 30.0        |               |   |                   |
| n-Dodecane             | ++++<br>0.1205 | ++++<br>0.1133   | ++++<br>0.0627   | 0.1022 | 0.1051 | Ave           |             | 0.1008 |    |   |         | 22.0 |   | 30.0        |               |   |                   |
| 1,2,4-Trichlorobenzene | ++++<br>0.6411 | ++++<br>0.6458   | 0.2122<br>0.5714 | 0.4825 | 0.6154 | Ave           |             | 0.5281 |    |   |         | 31.0 | * | 30.0        |               |   |                   |
| Hexachlorobutadiene    | ++++<br>0.5438 | 0.2782<br>0.5308 | 0.3635<br>0.3459 | 0.5339 | 0.5249 | Ave           |             | 0.4459 |    |   |         | 25.0 |   | 30.0        |               |   |                   |
| Naphthalene            | ++++<br>1.5541 | ++++<br>1.4556   | 0.5472<br>1.2395 | 1.1889 | 1.5698 | Ave           |             | 1.2592 |    |   |         | 30.0 |   | 30.0        |               |   |                   |
| 1,2,3-Trichlorobenzene | ++++<br>0.6451 | 0.0882<br>0.6392 | 0.1490<br>0.4240 | 0.4756 | 0.6161 | Ave           |             | 0.4339 |    |   |         | 53.0 | * | 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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:    | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 200-68619/6    | 6246_006.D   |
| Level 2 | IC 200-68619/7    | 6246_007.D   |
| Level 3 | IC 200-68619/8    | 6246_008.D   |
| Level 4 | IC 200-68619/9    | 6246_009.D   |
| Level 5 | ICIS 200-68619/10 | 6246_010.D   |
| Level 6 | IC 200-68619/11   | 6246_011.D   |
| Level 7 | IC 200-68619/12   | 6246_012.D   |
| Level 8 | IC 200-68619/13   | 6246_013.D   |

| ANALYTE                       | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                   |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|-------------------------------|-----------|---------------|-----------------|------------------|-------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                               |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8    | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Propylene                     | BCM       | Ave           | ++++<br>409939  | 9932<br>531626   | 18540<br>983061   | 151117  | 286297  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Dichlorodifluoromethane       | BCM       | Ave           | ++++<br>3230850 | ++++<br>4181834  | 129063<br>7546057 | 1208772 | 2259292 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Freon 22                      | BCM       | Ave           | ++++<br>1200735 | ++++<br>1577162  | 48538<br>2888804  | 451729  | 855933  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichlorotetrafluoroethane | BCM       | Ave           | ++++<br>2701745 | 41209<br>3501162 | 109804<br>6314979 | 1017902 | 1904928 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chloromethane                 | BCM       | Ave           | ++++<br>598384  | ++++<br>798173   | 25172<br>1479893  | 225318  | 420154  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Butane                      | BCM       | Ave           | ++++<br>806246  | ++++<br>1032909  | 33049<br>1901790  | 300548  | 559089  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Vinyl chloride                | BCM       | Ave           | 2816<br>798226  | 12008<br>1041015 | 31954<br>1930472  | 292452  | 556751  | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3-Butadiene                 | BCM       | Ave           | ++++<br>487180  | 7398<br>627561   | 18097<br>1176646  | 178903  | 339253  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromomethane                  | BCM       | Ave           | ++++<br>1183604 | 17238<br>1556035 | 46205<br>2895032  | 433178  | 823346  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chloroethane                  | BCM       | Ave           | ++++<br>335083  | ++++<br>438854   | 13315<br>818413   | 120029  | 229705  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Isopentane                    | BCM       | Ave           | ++++<br>507695  | 8799<br>668334   | 20397<br>1237978  | 184884  | 349976  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromoethene (Vinyl Bromide)   | BCM       | Ave           | ++++<br>1308520 | 18306<br>1723153 | 48611<br>3260069  | 467389  | 892749  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Trichlorofluoromethane        | BCM       | Ave           | ++++<br>3643540 | 54407<br>4742944 | 143623<br>8775338 | 1336944 | 2520532 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Pentane                     | BCM       | Ave           | ++++<br>823688  | ++++<br>1075523  | 31896<br>2001506  | 302081  | 566844  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethanol                       | BCM       | Ave           | ++++<br>271826  | ++++<br>539835   | 72194<br>1243817  | 136094  | 212163  | ++++<br>20.0            | ++++<br>40.0   | 5.01<br>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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                  | IS<br>REF | CURVE<br>TYPE | RESPONSE        |                  |                  |        |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|--------------------------|-----------|---------------|-----------------|------------------|------------------|--------|---------|-------------------------|----------------|----------------|-------|-------|
|                          |           |               | LVL 1<br>LVL 6  | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Ethyl ether              | BCM       | Ave           | ++++<br>415742  | 6143<br>549493   | 14683<br>1019836 | 148478 | 283148  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acrolein                 | BCM       | Ave           | ++++<br>201208  | ++++<br>271982   | ++++<br>519709   | 72770  | 137856  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Freon TF                 | BCM       | Ave           | ++++<br>2277520 | 34213<br>2991683 | 89704<br>5503611 | 840163 | 1583677 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1-Dichloroethene       | BCM       | Ave           | ++++<br>947756  | 15022<br>1261148 | 38323<br>2307432 | 352045 | 662295  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acetone                  | BCM       | Ave           | ++++<br>862031  | ++++<br>1221169  | ++++<br>2063546  | 323029 | 796155  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Carbon disulfide         | BCM       | Ave           | ++++<br>2648261 | ++++<br>3166898  | 89006<br>5940319 | 853634 | 1640891 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Isopropyl alcohol        | BCM       | Ave           | ++++<br>750208  | ++++<br>971316   | ++++<br>1713889  | 285338 | 549794  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| 3-Chloropropene          | BCM       | Ave           | ++++<br>651073  | 9237<br>862409   | 23682<br>1618104 | 234040 | 450082  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acetonitrile             | BCM       | Ave           | ++++<br>361566  | ++++<br>481394   | ++++<br>869306   | 131243 | 248568  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Methylene Chloride       | BCM       | Ave           | ++++<br>710830  | ++++<br>950923   | 29735<br>1761297 | 266067 | 501054  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| tert-Butyl alcohol       | BCM       | Ave           | ++++<br>1333072 | ++++<br>1773174  | ++++<br>3104259  | 496490 | 960229  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Methyl tert-butyl ether  | BCM       | Ave           | ++++<br>2330831 | 31992<br>3075884 | 85180<br>5761697 | 834114 | 1607772 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| trans-1,2-Dichloroethene | BCM       | Ave           | ++++<br>1064193 | 15422<br>1386349 | 40916<br>2563803 | 392851 | 738091  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Acrylonitrile            | BCM       | Ave           | ++++<br>404196  | ++++<br>538419   | 13855<br>1033037 | 140952 | 276821  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Hexane                 | BCM       | Ave           | ++++<br>868088  | 12921<br>1123675 | 32294<br>2110178 | 307913 | 589981  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1-Dichloroethane       | BCM       | Ave           | 5256<br>1525580 | 21005<br>2007403 | 57010<br>3777110 | 554518 | 1043330 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Vinyl acetate            | BCM       | Ave           | ++++<br>1577514 | ++++<br>2087444  | ++++<br>3948444  | 552395 | 1080017 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| cis-1,2-Dichloroethene   | BCM       | Ave           | ++++<br>1323299 | 19187<br>1770187 | 50426<br>3280795 | 470673 | 906927  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl Ethyl Ketone      | BCM       | Ave           | ++++<br>439441  | ++++<br>570879   | 20463<br>1059095 | 153510 | 301345  | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethyl acetate            | BCM       | Ave           | ++++<br>70260   | ++++<br>94118    | ++++<br>176622   | 24618  | 49181   | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Tetrahydrofuran          | DFB       | Ave           | ++++<br>714991  | ++++<br>939094   | ++++<br>1745766  | 262302 | 499970  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                   | IS<br>REF | CURVE<br>TYPE | RESPONSE         |                  |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|---------------------------|-----------|---------------|------------------|------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                           |           |               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Chloroform                | BCM       | Ave           | ++++<br>2921953  | 41579<br>3835335 | 114228<br>7116385  | 1075112 | 2032630 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Cyclohexane               | DFB       | Ave           | ++++<br>1433887  | 21357<br>1884655 | 57411<br>3386982   | 533914  | 997051  | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,1-Trichloroethane     | DFB       | Ave           | ++++<br>3437517  | 49882<br>4503954 | 131103<br>8206833  | 1263234 | 2387389 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Carbon tetrachloride      | DFB       | Ave           | 13918<br>4402582 | 58162<br>5780737 | 156994<br>10788406 | 1570962 | 3020168 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Benzene                   | DFB       | Ave           | ++++<br>3761203  | 60856<br>4914178 | 154653<br>8715559  | 1425155 | 2647780 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 2,2,4-Trimethylpentane    | DFB       | Ave           | ++++<br>4607690  | 67023<br>5926650 | 184696<br>10425438 | 1749112 | 3226416 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichloroethane        | DFB       | Ave           | ++++<br>1939265  | 28397<br>2553638 | 72082<br>4747119   | 709813  | 1342503 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Heptane                 | DFB       | Ave           | ++++<br>1630783  | 30950<br>2106255 | 65839<br>3727378   | 622697  | 1141680 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Butanol                 | DFB       | Ave           | ++++<br>698968   | ++++<br>894348   | ++++<br>1602361    | 245970  | 505365  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Trichloroethene           | DFB       | Ave           | 9623<br>2647845  | 38256<br>3463198 | 102297<br>6239533  | 971312  | 1844608 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dichloropropane       | DFB       | Ave           | ++++<br>1837625  | ++++<br>2386362  | 70446<br>4309146   | 687104  | 1278379 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl methacrylate       | DFB       | Ave           | ++++<br>1684416  | ++++<br>2202970  | 49923<br>3921743   | 599107  | 1176380 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,4-Dioxane               | DFB       | Ave           | ++++<br>881134   | ++++<br>1099302  | ++++<br>1709373    | 363088  | 680611  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| Dibromomethane            | DFB       | Ave           | ++++<br>3253569  | 40138<br>4291738 | 108460<br>7808407  | 1115046 | 2215033 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromodichloromethane      | DFB       | Ave           | ++++<br>4802511  | 56366<br>6281735 | 161476<br>11414848 | 1716250 | 3300205 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| cis-1,3-Dichloropropene   | DFB       | Ave           | ++++<br>3238934  | 39968<br>4259880 | 110337<br>7786571  | 1150002 | 2221070 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| methyl isobutyl ketone    | DFB       | Ave           | ++++<br>2941842  | ++++<br>3837041  | 100890<br>6786028  | 1090848 | 2053865 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Toluene                   | CBZ       | Ave           | ++++<br>4313082  | 64574<br>5619306 | 165800<br>10062727 | 1590379 | 2998194 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Octane                  | DFB       | Ave           | ++++<br>2920702  | 44909<br>3722407 | 121271<br>6377605  | 1135415 | 2058389 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| trans-1,3-Dichloropropene | DFB       | Ave           | ++++<br>3359685  | 39671<br>4446522 | 106208<br>8172557  | 1168774 | 2292877 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,2-Trichloroethane     | CBZ       | Ave           | ++++<br>2193082  | 30580<br>2837907 | 83539<br>5024630   | 811215  | 1529284 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                          | IS<br>REF | CURVE<br>TYPE | RESPONSE         |                    |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|----------------------------------|-----------|---------------|------------------|--------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                                  |           |               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7     | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Tetrachloroethene                | CBZ       | Ave           | 14419<br>4717288 | 62640<br>6221845   | 164090<br>11257293 | 1627552 | 3202244 | 0.0401<br>15.0          | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Methyl Butyl Ketone (2-Hexanone) | CBZ       | Ave           | ++++<br>2816666  | ++++<br>3644308    | 82281<br>6517803   | 1005814 | 1928485 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Dibromochloromethane             | CBZ       | Ave           | ++++<br>6248363  | 60743<br>8257492   | 182005<br>15043588 | 2125782 | 4251148 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2-Dibromoethane                | CBZ       | Ave           | ++++<br>4686871  | 53293<br>6200376   | 151583<br>11168909 | 1632564 | 3217385 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Chlorobenzene                    | CBZ       | Ave           | ++++<br>6544081  | 84135<br>8525443   | 232809<br>15274499 | 2316460 | 4483831 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Ethylbenzene                     | CBZ       | Ave           | ++++<br>9224141  | 124570<br>11901776 | 338982<br>20917158 | 3378545 | 6427281 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Nonane                         | CBZ       | Ave           | ++++<br>3197055  | 46544<br>4051815   | 126136<br>6823424  | 1241178 | 2261097 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| m,p-Xylene                       | CBZ       | Ave           | ++++<br>7470362  | 102596<br>9585988  | 284857<br>16500183 | 2800392 | 5235134 | ++++<br>30.0            | 0.401<br>40.0  | 1.00<br>80.0   | 9.99  | 20.0  |
| Xylene, o-                       | CBZ       | Ave           | ++++<br>3956763  | 53436<br>5089695   | 141475<br>8987903  | 1448848 | 2747243 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Styrene                          | CBZ       | Ave           | ++++<br>5731100  | 55566<br>7581441   | 158543<br>13641554 | 1977497 | 3948082 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Bromoform                        | CBZ       | Ave           | ++++<br>6318722  | 50174<br>8318745   | 148133<br>14797457 | 2041252 | 4218739 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Cumene                           | CBZ       | Ave           | ++++<br>10856447 | 145855<br>13989868 | 403696<br>23458205 | 4040344 | 7583518 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,1,2,2-Tetrachloroethane        | CBZ       | Ave           | ++++<br>5358285  | 72471<br>6815546   | 197660<br>11463767 | 2029661 | 3771098 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2,3-Trichloropropane           | CBZ       | Ave           | ++++<br>3560001  | ++++<br>4440353    | 138895<br>7193533  | 1391625 | 2544453 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Propylbenzene                  | CBZ       | Ave           | ++++<br>11208613 | 152735<br>14025147 | 422680<br>21799286 | 4335173 | 8017289 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 2-Chlorotoluene                  | CBZ       | Ave           | ++++<br>7203124  | 108483<br>8920326  | 305303<br>14316837 | 2966781 | 5276687 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 4-Ethyltoluene                   | CBZ       | Ave           | ++++<br>9049566  | 117145<br>11296239 | 349454<br>18568014 | 3601019 | 6545510 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Decane                         | CBZ       | Ave           | ++++<br>3118009  | ++++<br>3720783    | 155046<br>5657115  | 1387088 | 2370339 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3,5-Trimethylbenzene           | CBZ       | Ave           | ++++<br>9119021  | 120819<br>11650765 | 327327<br>19639345 | 3339306 | 6375396 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Alpha Methyl Styrene             | CBZ       | Ave           | ++++<br>4729427  | 37350<br>6171333   | 114920<br>11214255 | 1589678 | 3226946 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| tert-Butylbenzene                | CBZ       | Ave           | ++++<br>9065846  | 125760<br>11610585 | 342819<br>19659345 | 3396541 | 6372646 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>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.: 200-21851-1 Analy Batch No.: 68619

SDG No.: \_\_\_\_\_

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

Calibration Start Date: 02/20/2014 16:25 Calibration End Date: 02/20/2014 21:54 Calibration ID: 25722

| ANALYTE                | IS<br>REF | CURVE<br>TYPE | RESPONSE         |                    |                    |         |         | CONCENTRATION (PPB V/V) |                |                |       |       |
|------------------------|-----------|---------------|------------------|--------------------|--------------------|---------|---------|-------------------------|----------------|----------------|-------|-------|
|                        |           |               | LVL 1<br>LVL 6   | LVL 2<br>LVL 7     | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 1<br>LVL 6          | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,2,4-Trimethylbenzene | CBZ       | Ave           | ++++<br>9030475  | 112524<br>11529355 | 306178<br>19055651 | 3275586 | 6282168 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| sec-Butylbenzene       | CBZ       | Ave           | ++++<br>12841290 | 177526<br>16091123 | 489470<br>22732453 | 4896687 | 9070536 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 4-Isopropyltoluene     | CBZ       | Ave           | ++++<br>10785413 | 142104<br>13420123 | 395550<br>19892235 | 4107052 | 7647082 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,3-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6148441  | 55435<br>7948502   | 159722<br>13818690 | 2012775 | 4178465 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,4-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6246800  | 46861<br>8343313   | 136968<br>15149869 | 1864818 | 4104191 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Benzyl chloride        | CBZ       | Ave           | ++++<br>6590225  | 46409<br>9009188   | 134388<br>16568250 | 2060431 | 4404416 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Butylbenzene         | CBZ       | Ave           | ++++<br>8898136  | 95595<br>11235803  | 281679<br>18457704 | 3250065 | 6233885 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| n-Undecane             | CBZ       | Ave           | ++++<br>4109189  | ++++<br>5038697    | ++++<br>8063472    | 1613618 | 2967633 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| 1,2-Dichlorobenzene    | CBZ       | Ave           | ++++<br>6455653  | ++++<br>8506718    | ++++<br>15220896   | 2068985 | 4306560 | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| n-Dodecane             | CBZ       | Ave           | ++++<br>771526   | ++++<br>974121     | ++++<br>1062315    | 206208  | 440445  | ++++<br>15.0            | ++++<br>20.0   | ++++<br>40.0   | 4.99  | 10.00 |
| 1,2,4-Trichlorobenzene | CBZ       | Ave           | ++++<br>4105144  | ++++<br>5549938    | 41123<br>9680944   | 973721  | 2578741 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| Hexachlorobutadiene    | CBZ       | Ave           | ++++<br>3482315  | 21199<br>4561824   | 70423<br>5860214   | 1077440 | 2199519 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |
| Naphthalene            | CBZ       | Ave           | ++++<br>9951278  | ++++<br>12509910   | 106015<br>21001143 | 2399063 | 6577845 | ++++<br>15.0            | ++++<br>20.0   | 0.500<br>40.0  | 4.99  | 10.00 |
| 1,2,3-Trichlorobenzene | CBZ       | Ave           | ++++<br>4130531  | 6724<br>5493601    | 28868<br>7183636   | 959669  | 2581839 | ++++<br>15.0            | 0.200<br>20.0  | 0.500<br>40.0  | 4.99  | 10.00 |

Curve Type Legend:

Ave = Average ISTD

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584\_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.3474  | 0.2752 |         | 7.92           | 10.0            | -20.8 | 30.0      |
| Dichlorodifluoromethane       | Ave           | 2.576   | 2.210  |         | 8.58           | 10.0            | -14.2 | 30.0      |
| Freon 22                      | Ave           | 0.8659  | 0.7282 |         | 8.41           | 10.0            | -15.9 | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 2.252   | 2.056  |         | 9.13           | 10.0            | -8.7  | 30.0      |
| Chloromethane                 | Ave           | 0.4260  | 0.3487 |         | 8.19           | 10.0            | -18.1 | 30.0      |
| n-Butane                      | Ave           | 0.6804  | 0.5684 |         | 8.35           | 10.0            | -16.5 | 30.0      |
| Vinyl chloride                | Ave           | 0.6474  | 0.4951 |         | 7.65           | 10.0            | -23.5 | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.4221  | 0.3339 |         | 7.91           | 10.0            | -20.9 | 30.0      |
| Bromomethane                  | Ave           | 0.8427  | 0.6939 |         | 8.23           | 10.0            | -17.7 | 30.0      |
| Chloroethane                  | Ave           | 0.2775  | 0.2350 |         | 8.47           | 10.0            | -15.3 | 30.0      |
| Isopentane                    | Ave           | 0.4748  | 0.3981 |         | 8.38           | 10.0            | -16.2 | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.033   | 0.8790 |         | 8.51           | 10.0            | -14.9 | 30.0      |
| Trichlorofluoromethane        | Ave           | 3.192   | 2.618  |         | 8.20           | 10.0            | -18.0 | 30.0      |
| n-Pentane                     | Ave           | 0.7211  | 0.6838 |         | 9.48           | 10.0            | -5.2  | 30.0      |
| Ethanol                       | Ave           | 0.1583  | 0.1389 |         | 13.2           | 15.0            | -12.3 | 30.0      |
| Ethyl ether                   | Ave           | 0.3903  | 0.3686 |         | 9.44           | 10.0            | -5.6  | 30.0      |
| Acrolein                      | Ave           | 0.1760  | 0.1731 |         | 9.83           | 10.0            | -1.7  | 30.0      |
| Freon TF                      | Ave           | 1.926   | 1.657  |         | 8.60           | 10.0            | -14.0 | 30.0      |
| 1,1-Dichloroethene            | Ave           | 0.8770  | 0.7547 |         | 8.60           | 10.0            | -13.9 | 30.0      |
| Acetone                       | Ave           | 0.7425  | 0.6207 |         | 8.36           | 10.0            | -16.4 | 30.0      |
| Carbon disulfide              | Ave           | 1.832   | 1.859  |         | 10.1           | 10.0            | 1.5   | 30.0      |
| Isopropyl alcohol             | Ave           | 0.5450  | 0.4471 |         | 8.20           | 10.0            | -18.0 | 30.0      |
| 3-Chloropropene               | Ave           | 0.5807  | 0.4558 |         | 7.85           | 10.0            | -21.5 | 30.0      |
| Acetonitrile                  | Ave           | 0.2661  | 0.2625 |         | 9.86           | 10.0            | -1.4  | 30.0      |
| Methylene Chloride            | Ave           | 0.5364  | 0.4605 |         | 8.58           | 10.0            | -14.1 | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.033   | 0.8670 |         | 8.39           | 10.0            | -16.0 | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.232   | 1.909  |         | 8.55           | 10.0            | -14.5 | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 0.8935  | 0.8086 |         | 9.05           | 10.0            | -9.5  | 30.0      |
| Acrylonitrile                 | Ave           | 0.3373  | 0.3246 |         | 9.62           | 10.0            | -3.8  | 30.0      |
| n-Hexane                      | Ave           | 0.8515  | 0.7719 |         | 9.06           | 10.0            | -9.4  | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.275   | 1.047  |         | 8.21           | 10.0            | -17.9 | 30.0      |
| Vinyl acetate                 | Ave           | 1.266   | 1.105  |         | 8.73           | 10.0            | -12.7 | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.131   | 0.9796 |         | 8.66           | 10.0            | -13.4 | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4221  | 0.3552 |         | 8.41           | 10.0            | -15.9 | 30.0      |
| Ethyl acetate                 | Ave           | 0.0766  | 0.0781 |         | 10.2           | 10.0            | 1.9   | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1007  | 0.0917 |         | 9.11           | 10.0            | -8.9  | 30.0      |
| Chloroform                    | Ave           | 2.347   | 2.038  |         | 8.68           | 10.0            | -13.2 | 30.0      |
| Cyclohexane                   | Ave           | 0.2591  | 0.2216 |         | 8.55           | 10.0            | -14.5 | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.5558  | 0.4674 |         | 8.41           | 10.0            | -15.9 | 30.0      |
| Carbon tetrachloride          | Ave           | 0.6775  | 0.5587 |         | 8.25           | 10.0            | -17.5 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09

Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40

Lab File ID: 6584\_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.7063  | 0.5934 |         | 8.40           | 10.0            | -16.0 | 30.0      |
| Benzene                             | Ave           | 0.5935  | 0.5053 |         | 8.51           | 10.0            | -14.9 | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.2755  | 0.2247 |         | 8.15           | 10.0            | -18.4 | 30.0      |
| n-Heptane                           | Ave           | 0.2309  | 0.1879 |         | 8.14           | 10.0            | -18.6 | 30.0      |
| n-Butanol                           | Ave           | 0.0730  | 0.0674 |         | 9.24           | 10.0            | -7.6  | 30.0      |
| Trichloroethene                     | Ave           | 0.3644  | 0.3095 |         | 8.49           | 10.0            | -15.1 | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.2073  | 0.1748 |         | 8.43           | 10.0            | -15.7 | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2148  | 0.2008 |         | 9.35           | 10.0            | -6.5  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1040  | 0.0965 |         | 9.27           | 10.0            | -7.2  | 30.0      |
| Dibromomethane                      | Ave           | 0.4782  | 0.4314 |         | 9.02           | 10.0            | -9.8  | 30.0      |
| Bromodichloromethane                | Ave           | 0.5900  | 0.4964 |         | 8.41           | 10.0            | -15.9 | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.3783  | 0.3367 |         | 8.90           | 10.0            | -11.0 | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.3319  | 0.2866 |         | 8.63           | 10.0            | -13.7 | 30.0      |
| Toluene                             | Ave           | 0.5698  | 0.5091 |         | 8.93           | 10.0            | -10.6 | 30.0      |
| n-Octane                            | Ave           | 0.3778  | 0.3081 |         | 8.15           | 10.0            | -18.4 | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.4400  | 0.3679 |         | 8.36           | 10.0            | -16.4 | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.2515  | 0.2217 |         | 8.81           | 10.0            | -11.9 | 30.0      |
| Tetrachloroethene                   | Ave           | 0.7342  | 0.6571 |         | 8.95           | 10.0            | -10.5 | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.3229  | 0.2809 |         | 8.70           | 10.0            | -13.0 | 30.0      |
| Dibromochloromethane                | Ave           | 0.7776  | 0.6736 |         | 8.66           | 10.0            | -13.4 | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.5898  | 0.5286 |         | 8.96           | 10.0            | -10.4 | 30.0      |
| Chlorobenzene                       | Ave           | 0.9095  | 0.7982 |         | 8.77           | 10.0            | -12.2 | 30.0      |
| Ethylbenzene                        | Ave           | 1.345   | 1.150  |         | 8.55           | 10.0            | -14.5 | 30.0      |
| n-Nonane                            | Ave           | 0.4307  | 0.3597 |         | 8.35           | 10.0            | -16.5 | 30.0      |
| m,p-Xylene                          | Ave           | 0.5802  | 0.5139 |         | 17.7           | 20.0            | -11.4 | 30.0      |
| Xylene, o-                          | Ave           | 0.5671  | 0.4937 |         | 8.70           | 10.0            | -12.9 | 30.0      |
| Styrene                             | Ave           | 0.8767  | 0.7827 |         | 8.93           | 10.0            | -10.7 | 30.0      |
| Bromoform                           | Ave           | 0.8979  | 0.8014 |         | 8.92           | 10.0            | -10.8 | 30.0      |
| Cumene                              | Ave           | 1.682   | 1.466  |         | 8.71           | 10.0            | -12.9 | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.6820  | 0.5898 |         | 8.65           | 10.0            | -13.5 | 30.0      |
| n-Propylbenzene                     | Ave           | 1.846   | 1.575  |         | 8.53           | 10.0            | -14.7 | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.5078  | 0.4396 |         | 8.66           | 10.0            | -13.4 | 30.0      |
| n-Decane                            | Ave           | 0.5136  | 0.4530 |         | 8.82           | 10.0            | -11.8 | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.692   | 1.493  |         | 8.82           | 10.0            | -11.8 | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.323   | 1.105  |         | 8.35           | 10.0            | -16.5 | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.498   | 1.277  |         | 8.53           | 10.0            | -14.7 | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.7556  | 0.7036 |         | 9.31           | 10.0            | -6.9  | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.528   | 1.319  |         | 8.63           | 10.0            | -13.7 | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.526   | 1.279  |         | 8.38           | 10.0            | -16.2 | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.067   | 1.810  |         | 8.75           | 10.0            | -12.5 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-69583/13 Calibration Date: 03/18/2014 19:09  
 Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40  
 Lab File ID: 6584\_13.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.945   | 1.700  |         | 8.74           | 10.0            | -12.6 | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.263   | 1.093  |         | 8.66           | 10.0            | -13.4 | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.268   | 1.093  |         | 8.62           | 10.0            | -13.8 | 30.0      |
| Benzyl chloride        | Ave           | 1.250   | 1.019  |         | 8.15           | 10.0            | -18.5 | 30.0      |
| n-Butylbenzene         | Ave           | 1.465   | 1.229  |         | 8.39           | 10.0            | -16.1 | 30.0      |
| n-Undecane             | Ave           | 0.5065  | 0.4870 |         | 9.61           | 10.0            | -3.8  | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 1.203   | 1.029  |         | 8.55           | 10.0            | -14.4 | 30.0      |
| n-Dodecane             | Ave           | 0.4140  | 0.3932 |         | 9.49           | 10.0            | -5.0  | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.9580  | 0.8525 |         | 8.90           | 10.0            | -11.0 | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.8855  | 0.7759 |         | 8.76           | 10.0            | -12.4 | 30.0      |
| Naphthalene            | Ave           | 1.818   | 1.527  |         | 8.40           | 10.0            | -16.0 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.8287  | 0.7404 |         | 8.93           | 10.0            | -10.7 | 30.0      |



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70486/2 Calibration Date: 04/08/2014 11:07  
 Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40  
 Lab File ID: 6933\_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.3474  | 0.3557 |         | 10.2           | 10.0            | 2.4   | 30.0      |
| Dichlorodifluoromethane       | Ave           | 2.576   | 2.855  |         | 11.1           | 10.0            | 10.8  | 30.0      |
| Freon 22                      | Ave           | 0.8659  | 0.9612 |         | 11.1           | 10.0            | 11.0  | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 2.252   | 2.319  |         | 10.3           | 10.0            | 3.0   | 30.0      |
| Chloromethane                 | Ave           | 0.4260  | 0.4565 |         | 10.7           | 10.0            | 7.2   | 30.0      |
| n-Butane                      | Ave           | 0.6804  | 0.7224 |         | 10.6           | 10.0            | 6.2   | 30.0      |
| Vinyl chloride                | Ave           | 0.6474  | 0.6471 |         | 9.99           | 10.0            | -0.0  | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.4221  | 0.4516 |         | 10.7           | 10.0            | 7.0   | 30.0      |
| Bromomethane                  | Ave           | 0.8427  | 0.8693 |         | 10.3           | 10.0            | 3.2   | 30.0      |
| Chloroethane                  | Ave           | 0.2775  | 0.3080 |         | 11.1           | 10.0            | 11.0  | 30.0      |
| Isopentane                    | Ave           | 0.4748  | 0.4671 |         | 9.84           | 10.0            | -1.6  | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.033   | 1.015  |         | 9.82           | 10.0            | -1.8  | 30.0      |
| Trichlorofluoromethane        | Ave           | 3.192   | 3.117  |         | 9.76           | 10.0            | -2.4  | 30.0      |
| n-Pentane                     | Ave           | 0.7211  | 0.7296 |         | 10.1           | 10.0            | 1.2   | 30.0      |
| Ethanol                       | Ave           | 0.1583  | 0.1945 |         | 18.4           | 15.0            | 22.8  | 30.0      |
| Ethyl ether                   | Ave           | 0.3903  | 0.3898 |         | 9.98           | 10.0            | -0.1  | 30.0      |
| Acrolein                      | Ave           | 0.1760  | 0.1773 |         | 10.1           | 10.0            | 0.7   | 30.0      |
| Freon TF                      | Ave           | 1.926   | 1.879  |         | 9.75           | 10.0            | -2.4  | 30.0      |
| 1,1-Dichloroethene            | Ave           | 0.8770  | 0.8625 |         | 9.83           | 10.0            | -1.7  | 30.0      |
| Acetone                       | Ave           | 0.7425  | 0.7025 |         | 9.46           | 10.0            | -5.4  | 30.0      |
| Carbon disulfide              | Ave           | 1.832   | 1.882  |         | 10.3           | 10.0            | 2.7   | 30.0      |
| Isopropyl alcohol             | Ave           | 0.5450  | 0.5353 |         | 9.82           | 10.0            | -1.8  | 30.0      |
| 3-Chloropropene               | Ave           | 0.5807  | 0.5621 |         | 9.68           | 10.0            | -3.2  | 30.0      |
| Acetonitrile                  | Ave           | 0.2661  | 0.2588 |         | 9.72           | 10.0            | -2.8  | 30.0      |
| Methylene Chloride            | Ave           | 0.5364  | 0.5411 |         | 10.1           | 10.0            | 0.9   | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.033   | 1.054  |         | 10.2           | 10.0            | 2.0   | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.232   | 2.252  |         | 10.1           | 10.0            | 0.9   | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 0.8935  | 0.8979 |         | 10.0           | 10.0            | 0.5   | 30.0      |
| Acrylonitrile                 | Ave           | 0.3373  | 0.3483 |         | 10.3           | 10.0            | 3.3   | 30.0      |
| n-Hexane                      | Ave           | 0.8515  | 0.8185 |         | 9.61           | 10.0            | -3.9  | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.275   | 1.195  |         | 9.37           | 10.0            | -6.3  | 30.0      |
| Vinyl acetate                 | Ave           | 1.266   | 1.297  |         | 10.2           | 10.0            | 2.5   | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.131   | 1.069  |         | 9.45           | 10.0            | -5.5  | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4221  | 0.3710 |         | 8.79           | 10.0            | -12.1 | 30.0      |
| Ethyl acetate                 | Ave           | 0.0766  | 0.0768 |         | 10.0           | 10.0            | 0.2   | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1007  | 0.1024 |         | 10.2           | 10.0            | 1.7   | 30.0      |
| Chloroform                    | Ave           | 2.347   | 2.253  |         | 9.60           | 10.0            | -4.0  | 30.0      |
| Cyclohexane                   | Ave           | 0.2591  | 0.2445 |         | 9.43           | 10.0            | -5.6  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.5558  | 0.5443 |         | 9.79           | 10.0            | -2.1  | 30.0      |
| Carbon tetrachloride          | Ave           | 0.6775  | 0.6425 |         | 9.48           | 10.0            | -5.2  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70486/2 Calibration Date: 04/08/2014 11:07  
 Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40  
 Lab File ID: 6933\_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.7063  | 0.6708 |         | 9.50           | 10.0            | -5.0  | 30.0      |
| Benzene                             | Ave           | 0.5935  | 0.5561 |         | 9.37           | 10.0            | -6.3  | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.2755  | 0.2726 |         | 9.89           | 10.0            | -1.0  | 30.0      |
| n-Heptane                           | Ave           | 0.2309  | 0.2147 |         | 9.30           | 10.0            | -7.0  | 30.0      |
| n-Butanol                           | Ave           | 0.0730  | 0.0673 |         | 9.22           | 10.0            | -7.8  | 30.0      |
| Trichloroethene                     | Ave           | 0.3644  | 0.3274 |         | 8.98           | 10.0            | -10.2 | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.2073  | 0.1933 |         | 9.33           | 10.0            | -6.7  | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2148  | 0.2108 |         | 9.81           | 10.0            | -1.9  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1040  | 0.0985 |         | 9.47           | 10.0            | -5.3  | 30.0      |
| Dibromomethane                      | Ave           | 0.4782  | 0.4319 |         | 9.03           | 10.0            | -9.7  | 30.0      |
| Bromodichloromethane                | Ave           | 0.5900  | 0.5712 |         | 9.68           | 10.0            | -3.2  | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.3783  | 0.3666 |         | 9.69           | 10.0            | -3.1  | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.3319  | 0.3317 |         | 9.99           | 10.0            | -0.0  | 30.0      |
| Toluene                             | Ave           | 0.5698  | 0.5260 |         | 9.23           | 10.0            | -7.7  | 30.0      |
| n-Octane                            | Ave           | 0.3778  | 0.3545 |         | 9.38           | 10.0            | -6.2  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.4400  | 0.4185 |         | 9.51           | 10.0            | -4.9  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.2515  | 0.2338 |         | 9.29           | 10.0            | -7.0  | 30.0      |
| Tetrachloroethene                   | Ave           | 0.7342  | 0.6533 |         | 8.90           | 10.0            | -11.0 | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.3229  | 0.3171 |         | 9.82           | 10.0            | -1.8  | 30.0      |
| Dibromochloromethane                | Ave           | 0.7776  | 0.7345 |         | 9.44           | 10.0            | -5.5  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.5898  | 0.5430 |         | 9.20           | 10.0            | -7.9  | 30.0      |
| Chlorobenzene                       | Ave           | 0.9095  | 0.8183 |         | 9.00           | 10.0            | -10.0 | 30.0      |
| Ethylbenzene                        | Ave           | 1.345   | 1.244  |         | 9.25           | 10.0            | -7.5  | 30.0      |
| n-Nonane                            | Ave           | 0.4307  | 0.4024 |         | 9.34           | 10.0            | -6.6  | 30.0      |
| m,p-Xylene                          | Ave           | 0.5802  | 0.5463 |         | 18.8           | 20.0            | -5.8  | 30.0      |
| Xylene, o-                          | Ave           | 0.5671  | 0.5353 |         | 9.44           | 10.0            | -5.6  | 30.0      |
| Styrene                             | Ave           | 0.8767  | 0.8294 |         | 9.46           | 10.0            | -5.4  | 30.0      |
| Bromoform                           | Ave           | 0.8979  | 0.8694 |         | 9.68           | 10.0            | -3.2  | 30.0      |
| Cumene                              | Ave           | 1.682   | 1.614  |         | 9.59           | 10.0            | -4.1  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.6820  | 0.6338 |         | 9.29           | 10.0            | -7.1  | 30.0      |
| n-Propylbenzene                     | Ave           | 1.846   | 1.771  |         | 9.60           | 10.0            | -4.0  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.5078  | 0.5073 |         | 9.99           | 10.0            | -0.0  | 30.0      |
| n-Decane                            | Ave           | 0.5136  | 0.5175 |         | 10.1           | 10.0            | 0.7   | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.692   | 1.636  |         | 9.66           | 10.0            | -3.3  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.323   | 1.275  |         | 9.63           | 10.0            | -3.6  | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.498   | 1.419  |         | 9.47           | 10.0            | -5.3  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.7556  | 0.7457 |         | 9.87           | 10.0            | -1.3  | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.528   | 1.468  |         | 9.60           | 10.0            | -3.9  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.526   | 1.442  |         | 9.45           | 10.0            | -5.5  | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.067   | 2.030  |         | 9.82           | 10.0            | -1.8  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21737-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70486/2 Calibration Date: 04/08/2014 11:07  
 Instrument ID: CHC.i Calib Start Date: 03/18/2014 09:42  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/18/2014 16:40  
 Lab File ID: 6933\_02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.945   | 1.895  |         | 9.74           | 10.0            | -2.6  | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.263   | 1.177  |         | 9.32           | 10.0            | -6.8  | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.268   | 1.183  |         | 9.33           | 10.0            | -6.7  | 30.0      |
| Benzyl chloride        | Ave           | 1.250   | 1.270  |         | 10.2           | 10.0            | 1.6   | 30.0      |
| n-Butylbenzene         | Ave           | 1.465   | 1.425  |         | 9.72           | 10.0            | -2.7  | 30.0      |
| n-Undecane             | Ave           | 0.5065  | 0.5570 |         | 11.0           | 10.0            | 10.0  | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 1.203   | 1.113  |         | 9.25           | 10.0            | -7.5  | 30.0      |
| n-Dodecane             | Ave           | 0.4140  | 0.3579 |         | 8.64           | 10.0            | -13.6 | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.9580  | 0.8822 |         | 9.21           | 10.0            | -7.9  | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.8855  | 0.8077 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| Naphthalene            | Ave           | 1.818   | 1.723  |         | 9.47           | 10.0            | -5.2  | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.8287  | 0.7397 |         | 8.92           | 10.0            | -10.7 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6557\_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.1743  | 0.1689 |         | 9.69           | 10.0            | -3.1  | 30.0      |
| Dichlorodifluoromethane       | Ave           | 1.460   | 1.279  |         | 8.76           | 10.0            | -12.4 | 30.0      |
| Freon 22                      | Ave           | 0.5424  | 0.4978 |         | 9.18           | 10.0            | -8.2  | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 1.403   | 1.345  |         | 9.59           | 10.0            | -4.1  | 30.0      |
| Chloromethane                 | Ave           | 0.2704  | 0.2466 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| n-Butane                      | Ave           | 0.4504  | 0.4212 |         | 9.35           | 10.0            | -6.5  | 30.0      |
| Vinyl chloride                | Ave           | 0.4616  | 0.4030 |         | 8.73           | 10.0            | -12.7 | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.3095  | 0.2794 |         | 9.02           | 10.0            | -9.7  | 30.0      |
| Bromomethane                  | Ave           | 0.8958  | 0.7559 |         | 8.44           | 10.0            | -15.6 | 30.0      |
| Chloroethane                  | Ave           | 0.3512  | 0.3075 |         | 8.75           | 10.0            | -12.4 | 30.0      |
| Isopentane                    | Ave           | 0.5170  | 0.4479 |         | 8.66           | 10.0            | -13.4 | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.028   | 0.8848 |         | 8.60           | 10.0            | -13.9 | 30.0      |
| Trichlorofluoromethane        | Ave           | 2.551   | 2.176  |         | 8.53           | 10.0            | -14.7 | 30.0      |
| n-Pentane                     | Ave           | 0.9039  | 0.8825 |         | 9.76           | 10.0            | -2.4  | 30.0      |
| Ethanol                       | Ave           | 0.2261  | 0.1994 |         | 13.2           | 15.0            | -11.8 | 30.0      |
| Ethyl ether                   | Ave           | 0.5349  | 0.5438 |         | 10.2           | 10.0            | 1.7   | 30.0      |
| Acrolein                      | Ave           | 0.2205  | 0.2504 |         | 11.4           | 10.0            | 13.6  | 30.0      |
| Freon TF                      | Ave           | 2.227   | 2.041  |         | 9.17           | 10.0            | -8.3  | 30.0      |
| 1,1-Dichloroethene            | Ave           | 1.093   | 1.011  |         | 9.24           | 10.0            | -7.6  | 30.0      |
| Acetone                       | Ave           | 0.8103  | 0.7894 |         | 9.74           | 10.0            | -2.6  | 30.0      |
| Isopropyl alcohol             | Ave           | 0.7237  | 0.6152 |         | 8.50           | 10.0            | -15.0 | 30.0      |
| Carbon disulfide              | Ave           | 2.452   | 2.593  |         | 10.6           | 10.0            | 5.7   | 30.0      |
| 3-Chloropropene               | Ave           | 0.7232  | 0.5910 |         | 8.17           | 10.0            | -18.3 | 30.0      |
| Acetonitrile                  | Ave           | 0.3573  | 0.3550 |         | 9.93           | 10.0            | -0.7  | 30.0      |
| Methylene Chloride            | Ave           | 0.6693  | 0.5862 |         | 8.76           | 10.0            | -12.4 | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.366   | 1.236  |         | 9.05           | 10.0            | -9.5  | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.686   | 2.536  |         | 9.44           | 10.0            | -5.6  | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.094   | 1.049  |         | 9.58           | 10.0            | -4.2  | 30.0      |
| Acrylonitrile                 | Ave           | 0.4834  | 0.4667 |         | 9.65           | 10.0            | -3.5  | 30.0      |
| n-Hexane                      | Ave           | 1.134   | 1.098  |         | 9.68           | 10.0            | -3.2  | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.514   | 1.332  |         | 8.80           | 10.0            | -12.0 | 30.0      |
| Vinyl acetate                 | Ave           | 1.362   | 1.294  |         | 9.50           | 10.0            | -5.0  | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.213   | 1.115  |         | 9.19           | 10.0            | -8.1  | 30.0      |
| Ethyl acetate                 | Ave           | 0.0884  | 0.0977 |         | 11.0           | 10.0            | 10.5  | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4983  | 0.4376 |         | 8.78           | 10.0            | -12.2 | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1091  | 0.1069 |         | 9.80           | 10.0            | -2.0  | 30.0      |
| Chloroform                    | Ave           | 2.101   | 1.932  |         | 9.20           | 10.0            | -8.0  | 30.0      |
| Cyclohexane                   | Ave           | 0.2942  | 0.2818 |         | 9.58           | 10.0            | -4.2  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.4577  | 0.4252 |         | 9.29           | 10.0            | -7.1  | 30.0      |
| Carbon tetrachloride          | Ave           | 0.5136  | 0.4633 |         | 9.02           | 10.0            | -9.8  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6557\_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.7462  | 0.6797 |         | 9.11           | 10.0            | -8.9  | 30.0      |
| Benzene                             | Ave           | 0.6528  | 0.5963 |         | 9.13           | 10.0            | -8.7  | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.2219  | 0.2030 |         | 9.14           | 10.0            | -8.5  | 30.0      |
| n-Heptane                           | Ave           | 0.2147  | 0.1858 |         | 8.65           | 10.0            | -13.5 | 30.0      |
| n-Butanol                           | Ave           | 0.0798  | 0.0756 |         | 9.47           | 10.0            | -5.3  | 30.0      |
| Trichloroethene                     | Ave           | 0.3255  | 0.2936 |         | 9.02           | 10.0            | -9.8  | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.1898  | 0.1693 |         | 8.92           | 10.0            | -10.8 | 30.0      |
| Methyl methacrylate                 | Ave           | 0.1966  | 0.1967 |         | 10.0           | 10.0            | 0.0   | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1073  | 0.0999 |         | 9.31           | 10.0            | -6.9  | 30.0      |
| Dibromomethane                      | Ave           | 0.3400  | 0.3116 |         | 9.16           | 10.0            | -8.4  | 30.0      |
| Bromodichloromethane                | Ave           | 0.4673  | 0.4270 |         | 9.14           | 10.0            | -8.6  | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.3405  | 0.3234 |         | 9.49           | 10.0            | -5.0  | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.2634  | 0.2425 |         | 9.20           | 10.0            | -7.9  | 30.0      |
| n-Octane                            | Ave           | 0.2911  | 0.2555 |         | 8.77           | 10.0            | -12.2 | 30.0      |
| Toluene                             | Ave           | 0.6191  | 0.5824 |         | 9.41           | 10.0            | -5.9  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.3507  | 0.3327 |         | 9.49           | 10.0            | -5.1  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.2741  | 0.2551 |         | 9.31           | 10.0            | -6.9  | 30.0      |
| Tetrachloroethene                   | Ave           | 0.6108  | 0.5573 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.2987  | 0.2754 |         | 9.22           | 10.0            | -7.8  | 30.0      |
| Dibromochloromethane                | Ave           | 0.6682  | 0.6141 |         | 9.19           | 10.0            | -8.1  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.5825  | 0.5540 |         | 9.51           | 10.0            | -4.9  | 30.0      |
| Chlorobenzene                       | Ave           | 0.9196  | 0.8582 |         | 9.33           | 10.0            | -6.7  | 30.0      |
| n-Nonane                            | Ave           | 0.3979  | 0.3537 |         | 8.89           | 10.0            | -11.1 | 30.0      |
| Ethylbenzene                        | Ave           | 1.244   | 1.159  |         | 9.31           | 10.0            | -6.9  | 30.0      |
| m,p-Xylene                          | Ave           | 0.5474  | 0.5133 |         | 18.8           | 20.0            | -6.2  | 30.0      |
| Xylene, o-                          | Ave           | 0.5671  | 0.5291 |         | 9.33           | 10.0            | -6.7  | 30.0      |
| Styrene                             | Ave           | 0.8660  | 0.8276 |         | 9.55           | 10.0            | -4.4  | 30.0      |
| Bromoform                           | Ave           | 0.6560  | 0.6113 |         | 9.32           | 10.0            | -6.8  | 30.0      |
| Cumene                              | Ave           | 1.610   | 1.497  |         | 9.30           | 10.0            | -7.0  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.7149  | 0.6624 |         | 9.26           | 10.0            | -7.3  | 30.0      |
| n-Propylbenzene                     | Ave           | 1.780   | 1.657  |         | 9.31           | 10.0            | -6.9  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.4684  | 0.4462 |         | 9.52           | 10.0            | -4.7  | 30.0      |
| n-Decane                            | Ave           | 0.4818  | 0.4674 |         | 9.70           | 10.0            | -3.0  | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.617   | 1.544  |         | 9.55           | 10.0            | -4.5  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.226   | 1.123  |         | 9.16           | 10.0            | -8.4  | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.345   | 1.234  |         | 9.18           | 10.0            | -8.2  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.7136  | 0.7155 |         | 10.0           | 10.0            | 0.3   | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.363   | 1.262  |         | 9.26           | 10.0            | -7.4  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.390   | 1.267  |         | 9.11           | 10.0            | -8.8  | 30.0      |
| sec-Butylbenzene                    | Ave           | 1.989   | 1.837  |         | 9.23           | 10.0            | -7.7  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-69511/13 Calibration Date: 03/14/2014 20:54  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6557\_013.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.710   | 1.598  |         | 9.34           | 10.0            | -6.5  | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.029   | 0.9614 |         | 9.34           | 10.0            | -6.6  | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.024   | 0.9608 |         | 9.38           | 10.0            | -6.2  | 30.0      |
| Benzyl chloride        | Ave           | 1.120   | 1.023  |         | 9.14           | 10.0            | -8.6  | 30.0      |
| n-Undecane             | Ave           | 0.5203  | 0.5218 |         | 10.0           | 10.0            | 0.3   | 30.0      |
| n-Butylbenzene         | Ave           | 1.390   | 1.297  |         | 9.33           | 10.0            | -6.7  | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 0.9822  | 0.9137 |         | 9.30           | 10.0            | -7.0  | 30.0      |
| n-Dodecane             | Ave           | 0.4505  | 0.3911 |         | 8.68           | 10.0            | -13.2 | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.6850  | 0.5823 |         | 8.50           | 10.0            | -15.0 | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.5499  | 0.4604 |         | 8.37           | 10.0            | -16.3 | 30.0      |
| Naphthalene            | Ave           | 1.622   | 1.262  |         | 7.78           | 10.0            | -22.2 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.5882  | 0.5106 |         | 8.68           | 10.0            | -13.2 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70582/2 Calibration Date: 04/10/2014 11:04  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6972\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.1743  | 0.1473 |         | 8.45           | 10.0            | -15.5 | 30.0      |
| Dichlorodifluoromethane       | Ave           | 1.460   | 1.305  |         | 8.94           | 10.0            | -10.6 | 30.0      |
| Freon 22                      | Ave           | 0.5424  | 0.4550 |         | 8.39           | 10.0            | -16.1 | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 1.403   | 1.143  |         | 8.15           | 10.0            | -18.5 | 30.0      |
| Chloromethane                 | Ave           | 0.2704  | 0.2163 |         | 8.00           | 10.0            | -20.0 | 30.0      |
| n-Butane                      | Ave           | 0.4504  | 0.3625 |         | 8.05           | 10.0            | -19.5 | 30.0      |
| Vinyl chloride                | Ave           | 0.4616  | 0.3653 |         | 7.91           | 10.0            | -20.9 | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.3095  | 0.2457 |         | 7.94           | 10.0            | -20.6 | 30.0      |
| Bromomethane                  | Ave           | 0.8958  | 0.7299 |         | 8.15           | 10.0            | -18.5 | 30.0      |
| Chloroethane                  | Ave           | 0.3512  | 0.3006 |         | 8.56           | 10.0            | -14.4 | 30.0      |
| Isopentane                    | Ave           | 0.5170  | 0.4084 |         | 7.90           | 10.0            | -21.0 | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.028   | 0.8578 |         | 8.34           | 10.0            | -16.6 | 30.0      |
| Trichlorofluoromethane        | Ave           | 2.551   | 2.231  |         | 8.75           | 10.0            | -12.5 | 30.0      |
| n-Pentane                     | Ave           | 0.9039  | 0.7997 |         | 8.84           | 10.0            | -11.5 | 30.0      |
| Ethanol                       | Ave           | 0.2261  | 0.2272 |         | 15.1           | 15.0            | 0.5   | 30.0      |
| Ethyl ether                   | Ave           | 0.5349  | 0.4528 |         | 8.46           | 10.0            | -15.3 | 30.0      |
| Acrolein                      | Ave           | 0.2205  | 0.1642 |         | 7.45           | 10.0            | -25.5 | 30.0      |
| Freon TF                      | Ave           | 2.227   | 1.870  |         | 8.40           | 10.0            | -16.0 | 30.0      |
| 1,1-Dichloroethene            | Ave           | 1.093   | 0.9259 |         | 8.47           | 10.0            | -15.3 | 30.0      |
| Acetone                       | Ave           | 0.8103  | 0.7549 |         | 9.31           | 10.0            | -6.8  | 30.0      |
| Isopropyl alcohol             | Ave           | 0.7237  | 0.6551 |         | 9.05           | 10.0            | -9.5  | 30.0      |
| Carbon disulfide              | Ave           | 2.452   | 2.098  |         | 8.55           | 10.0            | -14.4 | 30.0      |
| 3-Chloropropene               | Ave           | 0.7232  | 0.5926 |         | 8.19           | 10.0            | -18.1 | 30.0      |
| Acetonitrile                  | Ave           | 0.3573  | 0.3203 |         | 8.96           | 10.0            | -10.4 | 30.0      |
| Methylene Chloride            | Ave           | 0.6693  | 0.5723 |         | 8.55           | 10.0            | -14.5 | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.366   | 1.220  |         | 8.93           | 10.0            | -10.7 | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.686   | 2.334  |         | 8.69           | 10.0            | -13.1 | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.094   | 0.9528 |         | 8.71           | 10.0            | -12.9 | 30.0      |
| Acrylonitrile                 | Ave           | 0.4834  | 0.4055 |         | 8.39           | 10.0            | -16.1 | 30.0      |
| n-Hexane                      | Ave           | 1.134   | 0.9422 |         | 8.30           | 10.0            | -16.9 | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.514   | 1.234  |         | 8.15           | 10.0            | -18.5 | 30.0      |
| Vinyl acetate                 | Ave           | 1.362   | 1.225  |         | 9.00           | 10.0            | -10.0 | 30.0      |
| Ethyl acetate                 | Ave           | 0.0884  | 0.0780 |         | 8.81           | 10.0            | -11.8 | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.213   | 1.025  |         | 8.45           | 10.0            | -15.4 | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4983  | 0.3954 |         | 7.93           | 10.0            | -20.7 | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1091  | 0.1046 |         | 9.59           | 10.0            | -4.1  | 30.0      |
| Chloroform                    | Ave           | 2.101   | 1.814  |         | 8.63           | 10.0            | -13.6 | 30.0      |
| Cyclohexane                   | Ave           | 0.2942  | 0.2641 |         | 8.98           | 10.0            | -10.2 | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.4577  | 0.4304 |         | 9.40           | 10.0            | -6.0  | 30.0      |
| Carbon tetrachloride          | Ave           | 0.5136  | 0.4646 |         | 9.04           | 10.0            | -9.5  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70582/2 Calibration Date: 04/10/2014 11:04  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6972\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 2,2,4-Trimethylpentane              | Ave           | 0.7462  | 0.6672 |         | 8.94           | 10.0            | -10.6 | 30.0      |
| Benzene                             | Ave           | 0.6528  | 0.5642 |         | 8.64           | 10.0            | -13.6 | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.2219  | 0.2054 |         | 9.25           | 10.0            | -7.4  | 30.0      |
| n-Heptane                           | Ave           | 0.2147  | 0.1879 |         | 8.75           | 10.0            | -12.5 | 30.0      |
| n-Butanol                           | Ave           | 0.0798  | 0.0702 |         | 8.79           | 10.0            | -12.1 | 30.0      |
| Trichloroethene                     | Ave           | 0.3255  | 0.2809 |         | 8.63           | 10.0            | -13.7 | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.1898  | 0.1670 |         | 8.79           | 10.0            | -12.0 | 30.0      |
| Methyl methacrylate                 | Ave           | 0.1966  | 0.1810 |         | 9.21           | 10.0            | -7.9  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1073  | 0.0988 |         | 9.21           | 10.0            | -7.9  | 30.0      |
| Dibromomethane                      | Ave           | 0.3400  | 0.3083 |         | 9.07           | 10.0            | -9.3  | 30.0      |
| Bromodichloromethane                | Ave           | 0.4673  | 0.4313 |         | 9.23           | 10.0            | -7.7  | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.3405  | 0.3061 |         | 8.99           | 10.0            | -10.1 | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.2634  | 0.2436 |         | 9.25           | 10.0            | -7.5  | 30.0      |
| n-Octane                            | Ave           | 0.2911  | 0.2554 |         | 8.77           | 10.0            | -12.3 | 30.0      |
| Toluene                             | Ave           | 0.6191  | 0.5413 |         | 8.74           | 10.0            | -12.6 | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.3507  | 0.3220 |         | 9.18           | 10.0            | -8.2  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.2741  | 0.2427 |         | 8.85           | 10.0            | -11.5 | 30.0      |
| Tetrachloroethene                   | Ave           | 0.6108  | 0.5411 |         | 8.86           | 10.0            | -11.4 | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.2987  | 0.2677 |         | 8.96           | 10.0            | -10.4 | 30.0      |
| Dibromochloromethane                | Ave           | 0.6682  | 0.6352 |         | 9.50           | 10.0            | -4.9  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.5825  | 0.5313 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| Chlorobenzene                       | Ave           | 0.9196  | 0.8161 |         | 8.87           | 10.0            | -11.2 | 30.0      |
| n-Nonane                            | Ave           | 0.3979  | 0.3468 |         | 8.71           | 10.0            | -12.9 | 30.0      |
| Ethylbenzene                        | Ave           | 1.244   | 1.130  |         | 9.08           | 10.0            | -9.2  | 30.0      |
| m,p-Xylene                          | Ave           | 0.5474  | 0.4998 |         | 18.3           | 20.0            | -8.7  | 30.0      |
| Xylene, o-                          | Ave           | 0.5671  | 0.5091 |         | 8.98           | 10.0            | -10.2 | 30.0      |
| Styrene                             | Ave           | 0.8660  | 0.7823 |         | 9.03           | 10.0            | -9.7  | 30.0      |
| Bromoform                           | Ave           | 0.6560  | 0.6346 |         | 9.67           | 10.0            | -3.3  | 30.0      |
| Cumene                              | Ave           | 1.610   | 1.484  |         | 9.22           | 10.0            | -7.8  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.7149  | 0.6397 |         | 8.95           | 10.0            | -10.5 | 30.0      |
| n-Propylbenzene                     | Ave           | 1.780   | 1.647  |         | 9.25           | 10.0            | -7.5  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.4684  | 0.4514 |         | 9.64           | 10.0            | -3.6  | 30.0      |
| n-Decane                            | Ave           | 0.4818  | 0.4628 |         | 9.60           | 10.0            | -3.9  | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.617   | 1.492  |         | 9.22           | 10.0            | -7.8  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.226   | 1.120  |         | 9.14           | 10.0            | -8.6  | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.345   | 1.234  |         | 9.17           | 10.0            | -8.3  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.7136  | 0.6674 |         | 9.35           | 10.0            | -6.5  | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.363   | 1.243  |         | 9.12           | 10.0            | -8.8  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.390   | 1.246  |         | 8.96           | 10.0            | -10.4 | 30.0      |
| sec-Butylbenzene                    | Ave           | 1.989   | 1.804  |         | 9.07           | 10.0            | -9.3  | 30.0      |



FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21778-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70582/2 Calibration Date: 04/10/2014 11:04  
 Instrument ID: CHB.i Calib Start Date: 03/14/2014 12:11  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/14/2014 18:16  
 Lab File ID: 6972\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.710   | 1.569  |         | 9.17           | 10.0            | -8.2  | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 1.029   | 0.9408 |         | 9.14           | 10.0            | -8.6  | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 1.024   | 0.9431 |         | 9.20           | 10.0            | -7.9  | 30.0      |
| Benzyl chloride        | Ave           | 1.120   | 1.034  |         | 9.23           | 10.0            | -7.7  | 30.0      |
| n-Undecane             | Ave           | 0.5203  | 0.5102 |         | 9.80           | 10.0            | -1.9  | 30.0      |
| n-Butylbenzene         | Ave           | 1.390   | 1.285  |         | 9.24           | 10.0            | -7.6  | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 0.9822  | 0.8960 |         | 9.12           | 10.0            | -8.8  | 30.0      |
| n-Dodecane             | Ave           | 0.4505  | 0.3948 |         | 8.76           | 10.0            | -12.4 | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.6850  | 0.5570 |         | 8.13           | 10.0            | -18.7 | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.5499  | 0.4639 |         | 8.43           | 10.0            | -15.6 | 30.0      |
| Naphthalene            | Ave           | 1.622   | 1.265  |         | 7.80           | 10.0            | -22.0 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.5882  | 0.5095 |         | 8.66           | 10.0            | -13.4 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15  
 Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54  
 Lab File ID: 6246\_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.4525  | 0.3487 |         | 7.71           | 10.0            | -22.9 | 30.0      |
| Dichlorodifluoromethane       | Ave           | 3.137   | 2.832  |         | 9.02           | 10.0            | -9.7  | 30.0      |
| Freon 22                      | Ave           | 1.181   | 1.070  |         | 9.06           | 10.0            | -9.4  | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 2.687   | 2.698  |         | 10.0           | 10.0            | 0.4   | 30.0      |
| Chloromethane                 | Ave           | 0.5956  | 0.5277 |         | 8.86           | 10.0            | -11.4 | 30.0      |
| n-Butane                      | Ave           | 0.7851  | 0.7055 |         | 8.98           | 10.0            | -10.1 | 30.0      |
| Vinyl chloride                | Ave           | 0.8160  | 0.7063 |         | 8.65           | 10.0            | -13.4 | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.4758  | 0.4226 |         | 8.88           | 10.0            | -11.2 | 30.0      |
| Bromomethane                  | Ave           | 1.162   | 1.057  |         | 9.10           | 10.0            | -9.0  | 30.0      |
| Chloroethane                  | Ave           | 0.3240  | 0.2863 |         | 8.83           | 10.0            | -11.6 | 30.0      |
| Isopentane                    | Ave           | 0.5140  | 0.4803 |         | 9.34           | 10.0            | -6.6  | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.261   | 1.177  |         | 9.33           | 10.0            | -6.7  | 30.0      |
| Trichlorofluoromethane        | Ave           | 3.583   | 3.189  |         | 8.90           | 10.0            | -11.0 | 30.0      |
| n-Pentane                     | Ave           | 0.7954  | 0.8123 |         | 10.2           | 10.0            | 2.1   | 30.0      |
| Ethanol                       | Ave           | 0.1910  | 0.1880 |         | 14.8           | 15.0            | -1.6  | 30.0      |
| Ethyl ether                   | Ave           | 0.4003  | 0.4104 |         | 10.3           | 10.0            | 2.5   | 30.0      |
| Acrolein                      | Ave           | 0.1910  | 0.2116 |         | 11.1           | 10.0            | 10.8  | 30.0      |
| Freon TF                      | Ave           | 2.249   | 2.074  |         | 9.22           | 10.0            | -7.8  | 30.0      |
| 1,1-Dichloroethene            | Ave           | 0.9520  | 0.8613 |         | 9.05           | 10.0            | -9.5  | 30.0      |
| Acetone                       | Ave           | 0.8789  | 0.9817 |         | 11.2           | 10.0            | 11.7  | 30.0      |
| Carbon disulfide              | Ave           | 2.332   | 2.458  |         | 10.5           | 10.0            | 5.4   | 30.0      |
| Isopropyl alcohol             | Ave           | 0.7092  | 0.5444 |         | 7.67           | 10.0            | -23.2 | 30.0      |
| 3-Chloropropene               | Ave           | 0.6290  | 0.5558 |         | 8.84           | 10.0            | -11.6 | 30.0      |
| Acetonitrile                  | Ave           | 0.3383  | 0.3195 |         | 9.44           | 10.0            | -5.6  | 30.0      |
| Methylene Chloride            | Ave           | 0.7069  | 0.6456 |         | 9.13           | 10.0            | -8.7  | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.260   | 1.031  |         | 8.18           | 10.0            | -18.2 | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.237   | 2.112  |         | 9.44           | 10.0            | -5.6  | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.039   | 1.017  |         | 9.79           | 10.0            | -2.1  | 30.0      |
| Acrylonitrile                 | Ave           | 0.3820  | 0.3784 |         | 9.91           | 10.0            | -0.9  | 30.0      |
| n-Hexane                      | Ave           | 0.8392  | 0.8345 |         | 9.94           | 10.0            | -0.6  | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.522   | 1.383  |         | 9.09           | 10.0            | -9.1  | 30.0      |
| Vinyl acetate                 | Ave           | 1.472   | 1.369  |         | 9.30           | 10.0            | -7.0  | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.290   | 1.187  |         | 9.20           | 10.0            | -7.9  | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4361  | 0.4007 |         | 9.19           | 10.0            | -8.1  | 30.0      |
| Ethyl acetate                 | Ave           | 0.0661  | 0.0690 |         | 10.4           | 10.0            | 4.4   | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1189  | 0.1107 |         | 9.31           | 10.0            | -6.9  | 30.0      |
| Chloroform                    | Ave           | 2.859   | 2.633  |         | 9.21           | 10.0            | -7.9  | 30.0      |
| Cyclohexane                   | Ave           | 0.2496  | 0.2335 |         | 9.35           | 10.0            | -6.4  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.5905  | 0.5364 |         | 9.08           | 10.0            | -9.2  | 30.0      |
| Carbon tetrachloride          | Ave           | 0.7528  | 0.6727 |         | 8.93           | 10.0            | -10.6 | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15  
 Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54  
 Lab File ID: 6246\_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Benzene                             | Ave           | 0.6673  | 0.6081 |         | 9.11           | 10.0            | -8.9  | 30.0      |
| 2,2,4-Trimethylpentane              | Ave           | 0.7963  | 0.7291 |         | 9.16           | 10.0            | -8.4  | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.3331  | 0.3019 |         | 9.06           | 10.0            | -9.4  | 30.0      |
| n-Heptane                           | Ave           | 0.2959  | 0.2565 |         | 8.67           | 10.0            | -13.3 | 30.0      |
| n-Butanol                           | Ave           | 0.1142  | 0.0892 |         | 7.81           | 10.0            | -21.9 | 30.0      |
| Trichloroethene                     | Ave           | 0.4731  | 0.4219 |         | 8.92           | 10.0            | -10.8 | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.3124  | 0.2871 |         | 9.19           | 10.0            | -8.1  | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2717  | 0.2678 |         | 9.85           | 10.0            | -1.4  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1470  | 0.1201 |         | 8.17           | 10.0            | -18.3 | 30.0      |
| Dibromomethane                      | Ave           | 0.5283  | 0.5125 |         | 9.70           | 10.0            | -3.0  | 30.0      |
| Bromodichloromethane                | Ave           | 0.7799  | 0.7322 |         | 9.39           | 10.0            | -6.1  | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.5310  | 0.5080 |         | 9.56           | 10.0            | -4.3  | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.4889  | 0.4450 |         | 9.10           | 10.0            | -9.0  | 30.0      |
| Toluene                             | Ave           | 0.7326  | 0.6835 |         | 9.33           | 10.0            | -6.7  | 30.0      |
| n-Octane                            | Ave           | 0.5119  | 0.4629 |         | 9.04           | 10.0            | -9.6  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.5408  | 0.5257 |         | 9.72           | 10.0            | -2.8  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.3670  | 0.3407 |         | 9.28           | 10.0            | -7.2  | 30.0      |
| Tetrachloroethene                   | Ave           | 0.7873  | 0.7370 |         | 9.36           | 10.0            | -6.4  | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.4387  | 0.4103 |         | 9.35           | 10.0            | -6.5  | 30.0      |
| Dibromochloromethane                | Ave           | 0.9470  | 0.9071 |         | 9.58           | 10.0            | -4.2  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.7388  | 0.7160 |         | 9.69           | 10.0            | -3.1  | 30.0      |
| Chlorobenzene                       | Ave           | 1.063   | 1.009  |         | 9.49           | 10.0            | -5.1  | 30.0      |
| Ethylbenzene                        | Ave           | 1.522   | 1.428  |         | 9.38           | 10.0            | -6.1  | 30.0      |
| n-Nonane                            | Ave           | 0.5414  | 0.4966 |         | 9.17           | 10.0            | -8.3  | 30.0      |
| m,p-Xylene                          | Ave           | 0.6221  | 0.5836 |         | 18.8           | 20.0            | -6.2  | 30.0      |
| Xylene, o-                          | Ave           | 0.6494  | 0.6018 |         | 9.27           | 10.0            | -7.3  | 30.0      |
| Styrene                             | Ave           | 0.8646  | 0.8611 |         | 9.96           | 10.0            | -0.4  | 30.0      |
| Bromoform                           | Ave           | 0.8956  | 0.9031 |         | 10.1           | 10.0            | 0.8   | 30.0      |
| Cumene                              | Ave           | 1.788   | 1.662  |         | 9.29           | 10.0            | -7.1  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.8834  | 0.8315 |         | 9.41           | 10.0            | -5.9  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.5852  | 0.5463 |         | 9.33           | 10.0            | -6.6  | 30.0      |
| n-Propylbenzene                     | Ave           | 1.845   | 1.730  |         | 9.37           | 10.0            | -6.3  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.248   | 1.144  |         | 9.17           | 10.0            | -8.3  | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.502   | 1.446  |         | 9.63           | 10.0            | -3.7  | 30.0      |
| n-Decane                            | Ave           | 0.5512  | 0.5047 |         | 9.16           | 10.0            | -8.4  | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.484   | 1.368  |         | 9.21           | 10.0            | -7.9  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.6800  | 0.6957 |         | 10.2           | 10.0            | 2.3   | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.507   | 1.375  |         | 9.12           | 10.0            | -8.8  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.437   | 1.348  |         | 9.38           | 10.0            | -6.2  | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.095   | 1.951  |         | 9.31           | 10.0            | -6.9  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 200-68619/16 Calibration Date: 02/21/2014 00:15  
 Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54  
 Lab File ID: 6246\_016.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.741   | 1.653  |         | 9.49           | 10.0            | -5.1 | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 0.8925  | 0.9059 |         | 10.1           | 10.0            | 1.5  | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 0.8666  | 0.8893 |         | 10.3           | 10.0            | 2.6  | 30.0      |
| Benzyl chloride        | Ave           | 0.9186  | 0.8799 |         | 9.58           | 10.0            | -4.2 | 30.0      |
| n-Butylbenzene         | Ave           | 1.370   | 1.314  |         | 9.59           | 10.0            | -4.1 | 30.0      |
| n-Undecane             | Ave           | 0.6424  | 0.6299 |         | 9.80           | 10.0            | -1.9 | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 0.9899  | 0.9353 |         | 9.45           | 10.0            | -5.5 | 30.0      |
| n-Dodecane             | Ave           | 0.1008  | 0.1056 |         | 10.5           | 10.0            | 4.8  | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.5281  | 0.4961 |         | 9.39           | 10.0            | -6.1 | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.4459  | 0.4985 |         | 11.2           | 10.0            | 11.8 | 30.0      |
| Naphthalene            | Ave           | 1.259   | 1.141  |         | 9.06           | 10.0            | -9.4 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.4339  | 0.4716 |         | 10.9           | 10.0            | 8.7  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 200-70761/2 Calibration Date: 04/15/2014 08:34

Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54

Lab File ID: 7034\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                       | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Propylene                     | Ave           | 0.4525  | 0.5688 |         | 12.6           | 10.0            | 25.7  | 30.0      |
| Dichlorodifluoromethane       | Ave           | 3.137   | 3.622  |         | 11.5           | 10.0            | 15.5  | 30.0      |
| Freon 22                      | Ave           | 1.181   | 1.564  |         | 13.2           | 10.0            | 32.5* | 30.0      |
| 1,2-Dichlorotetrafluoroethane | Ave           | 2.687   | 3.243  |         | 12.1           | 10.0            | 20.7  | 30.0      |
| Chloromethane                 | Ave           | 0.5956  | 0.8371 |         | 14.1           | 10.0            | 40.5* | 30.0      |
| n-Butane                      | Ave           | 0.7851  | 1.138  |         | 14.5           | 10.0            | 44.9* | 30.0      |
| Vinyl chloride                | Ave           | 0.8160  | 1.062  |         | 13.0           | 10.0            | 30.1* | 30.0      |
| 1,3-Butadiene                 | Ave           | 0.4758  | 0.6641 |         | 14.0           | 10.0            | 39.6* | 30.0      |
| Bromomethane                  | Ave           | 1.162   | 1.386  |         | 11.9           | 10.0            | 19.3  | 30.0      |
| Chloroethane                  | Ave           | 0.3240  | 0.4311 |         | 13.3           | 10.0            | 33.1* | 30.0      |
| Isopentane                    | Ave           | 0.5140  | 0.7049 |         | 13.7           | 10.0            | 37.1* | 30.0      |
| Bromoethene (Vinyl Bromide)   | Ave           | 1.261   | 1.575  |         | 12.5           | 10.0            | 24.8  | 30.0      |
| Trichlorofluoromethane        | Ave           | 3.583   | 4.040  |         | 11.3           | 10.0            | 12.8  | 30.0      |
| n-Pentane                     | Ave           | 0.7954  | 1.197  |         | 15.1           | 10.0            | 50.5* | 30.0      |
| Ethanol                       | Ave           | 0.1910  | 0.3532 |         | 27.7           | 15.0            | 84.9* | 30.0      |
| Ethyl ether                   | Ave           | 0.4003  | 0.5853 |         | 14.6           | 10.0            | 46.2* | 30.0      |
| Acrolein                      | Ave           | 0.1910  | 0.2755 |         | 14.4           | 10.0            | 44.2* | 30.0      |
| Freon TF                      | Ave           | 2.249   | 2.720  |         | 12.1           | 10.0            | 21.0  | 30.0      |
| 1,1-Dichloroethene            | Ave           | 0.9520  | 1.183  |         | 12.4           | 10.0            | 24.3  | 30.0      |
| Acetone                       | Ave           | 0.8789  | 1.194  |         | 13.6           | 10.0            | 35.8* | 30.0      |
| Carbon disulfide              | Ave           | 2.332   | 3.139  |         | 13.5           | 10.0            | 34.6* | 30.0      |
| Isopropyl alcohol             | Ave           | 0.7092  | 0.9499 |         | 13.4           | 10.0            | 33.9* | 30.0      |
| 3-Chloropropene               | Ave           | 0.6290  | 0.9478 |         | 15.1           | 10.0            | 50.7* | 30.0      |
| Acetonitrile                  | Ave           | 0.3383  | 0.4966 |         | 14.7           | 10.0            | 46.8* | 30.0      |
| Methylene Chloride            | Ave           | 0.7069  | 0.998  |         | 14.1           | 10.0            | 41.2* | 30.0      |
| tert-Butyl alcohol            | Ave           | 1.260   | 1.598  |         | 12.7           | 10.0            | 26.8  | 30.0      |
| Methyl tert-butyl ether       | Ave           | 2.237   | 2.976  |         | 13.3           | 10.0            | 33.0* | 30.0      |
| trans-1,2-Dichloroethene      | Ave           | 1.039   | 1.432  |         | 13.8           | 10.0            | 37.8* | 30.0      |
| Acrylonitrile                 | Ave           | 0.3820  | 0.5614 |         | 14.7           | 10.0            | 47.0* | 30.0      |
| n-Hexane                      | Ave           | 0.8392  | 1.203  |         | 14.3           | 10.0            | 43.3* | 30.0      |
| 1,1-Dichloroethane            | Ave           | 1.522   | 2.000  |         | 13.1           | 10.0            | 31.4* | 30.0      |
| Vinyl acetate                 | Ave           | 1.472   | 2.197  |         | 14.9           | 10.0            | 49.2* | 30.0      |
| cis-1,2-Dichloroethene        | Ave           | 1.290   | 1.575  |         | 12.2           | 10.0            | 22.1  | 30.0      |
| Methyl Ethyl Ketone           | Ave           | 0.4361  | 0.5337 |         | 12.2           | 10.0            | 22.4  | 30.0      |
| Ethyl acetate                 | Ave           | 0.0661  | 0.0843 |         | 12.7           | 10.0            | 27.5  | 30.0      |
| Tetrahydrofuran               | Ave           | 0.1189  | 0.1758 |         | 14.8           | 10.0            | 47.8* | 30.0      |
| Chloroform                    | Ave           | 2.859   | 3.356  |         | 11.7           | 10.0            | 17.4  | 30.0      |
| Cyclohexane                   | Ave           | 0.2496  | 0.3218 |         | 12.9           | 10.0            | 28.9  | 30.0      |
| 1,1,1-Trichloroethane         | Ave           | 0.5905  | 0.6707 |         | 11.4           | 10.0            | 13.6  | 30.0      |
| Carbon tetrachloride          | Ave           | 0.7528  | 0.7928 |         | 10.5           | 10.0            | 5.3   | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70761/2 Calibration Date: 04/15/2014 08:34  
 Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54  
 Lab File ID: 7034\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                             | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-------------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Benzene                             | Ave           | 0.6673  | 0.8479 |         | 12.7           | 10.0            | 27.1  | 30.0      |
| 2,2,4-Trimethylpentane              | Ave           | 0.7963  | 1.069  |         | 13.4           | 10.0            | 34.2* | 30.0      |
| 1,2-Dichloroethane                  | Ave           | 0.3331  | 0.4012 |         | 12.0           | 10.0            | 20.4  | 30.0      |
| n-Heptane                           | Ave           | 0.2959  | 0.3817 |         | 12.9           | 10.0            | 29.0  | 30.0      |
| n-Butanol                           | Ave           | 0.1142  | 0.1246 |         | 10.9           | 10.0            | 9.1   | 30.0      |
| Trichloroethene                     | Ave           | 0.4731  | 0.5060 |         | 10.7           | 10.0            | 7.0   | 30.0      |
| 1,2-Dichloropropane                 | Ave           | 0.3124  | 0.3703 |         | 11.9           | 10.0            | 18.5  | 30.0      |
| Methyl methacrylate                 | Ave           | 0.2717  | 0.3322 |         | 12.2           | 10.0            | 22.3  | 30.0      |
| 1,4-Dioxane                         | Ave           | 0.1470  | 0.1505 |         | 10.2           | 10.0            | 2.4   | 30.0      |
| Dibromomethane                      | Ave           | 0.5283  | 0.5280 |         | 9.99           | 10.0            | -0.0  | 30.0      |
| Bromodichloromethane                | Ave           | 0.7799  | 0.8933 |         | 11.5           | 10.0            | 14.5  | 30.0      |
| cis-1,3-Dichloropropene             | Ave           | 0.5310  | 0.6151 |         | 11.6           | 10.0            | 15.8  | 30.0      |
| methyl isobutyl ketone              | Ave           | 0.4889  | 0.6214 |         | 12.7           | 10.0            | 27.1  | 30.0      |
| Toluene                             | Ave           | 0.7326  | 0.8332 |         | 11.4           | 10.0            | 13.7  | 30.0      |
| n-Octane                            | Ave           | 0.5119  | 0.6359 |         | 12.4           | 10.0            | 24.2  | 30.0      |
| trans-1,3-Dichloropropene           | Ave           | 0.5408  | 0.6256 |         | 11.6           | 10.0            | 15.7  | 30.0      |
| 1,1,2-Trichloroethane               | Ave           | 0.3670  | 0.4246 |         | 11.6           | 10.0            | 15.7  | 30.0      |
| Tetrachloroethene                   | Ave           | 0.7873  | 0.7880 |         | 10.0           | 10.0            | 0.0   | 30.0      |
| Methyl Butyl Ketone<br>(2-Hexanone) | Ave           | 0.4387  | 0.5865 |         | 13.4           | 10.0            | 33.7* | 30.0      |
| Dibromochloromethane                | Ave           | 0.9470  | 1.055  |         | 11.1           | 10.0            | 11.4  | 30.0      |
| 1,2-Dibromoethane                   | Ave           | 0.7388  | 0.8374 |         | 11.3           | 10.0            | 13.4  | 30.0      |
| Chlorobenzene                       | Ave           | 1.063   | 1.182  |         | 11.1           | 10.0            | 11.2  | 30.0      |
| Ethylbenzene                        | Ave           | 1.522   | 1.780  |         | 11.7           | 10.0            | 17.0  | 30.0      |
| n-Nonane                            | Ave           | 0.5414  | 0.6735 |         | 12.4           | 10.0            | 24.4  | 30.0      |
| m,p-Xylene                          | Ave           | 0.6221  | 0.7123 |         | 22.9           | 20.0            | 14.5  | 30.0      |
| Xylene, o-                          | Ave           | 0.6494  | 0.7381 |         | 11.4           | 10.0            | 13.7  | 30.0      |
| Styrene                             | Ave           | 0.8646  | 1.061  |         | 12.3           | 10.0            | 22.7  | 30.0      |
| Bromoform                           | Ave           | 0.8956  | 0.997  |         | 11.1           | 10.0            | 11.3  | 30.0      |
| Cumene                              | Ave           | 1.788   | 2.046  |         | 11.4           | 10.0            | 14.4  | 30.0      |
| 1,1,2,2-Tetrachloroethane           | Ave           | 0.8834  | 1.026  |         | 11.6           | 10.0            | 16.2  | 30.0      |
| 1,2,3-Trichloropropane              | Ave           | 0.5852  | 0.7230 |         | 12.4           | 10.0            | 23.6  | 30.0      |
| n-Propylbenzene                     | Ave           | 1.845   | 2.263  |         | 12.3           | 10.0            | 22.7  | 30.0      |
| 2-Chlorotoluene                     | Ave           | 1.248   | 1.524  |         | 12.2           | 10.0            | 22.1  | 30.0      |
| 4-Ethyltoluene                      | Ave           | 1.502   | 1.857  |         | 12.4           | 10.0            | 23.7  | 30.0      |
| n-Decane                            | Ave           | 0.5512  | 0.7578 |         | 13.7           | 10.0            | 37.5* | 30.0      |
| 1,3,5-Trimethylbenzene              | Ave           | 1.484   | 1.688  |         | 11.4           | 10.0            | 13.7  | 30.0      |
| Alpha Methyl Styrene                | Ave           | 0.6800  | 0.8323 |         | 12.2           | 10.0            | 22.4  | 30.0      |
| tert-Butylbenzene                   | Ave           | 1.507   | 1.672  |         | 11.1           | 10.0            | 10.9  | 30.0      |
| 1,2,4-Trimethylbenzene              | Ave           | 1.437   | 1.651  |         | 11.5           | 10.0            | 14.9  | 30.0      |
| sec-Butylbenzene                    | Ave           | 2.095   | 2.411  |         | 11.5           | 10.0            | 15.1  | 30.0      |

FORM VII  
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-21851-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 200-70761/2 Calibration Date: 04/15/2014 08:34  
 Instrument ID: CHG.i Calib Start Date: 02/20/2014 16:25  
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 02/20/2014 21:54  
 Lab File ID: 7034\_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

| ANALYTE                | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 4-Isopropyltoluene     | Ave           | 1.741   | 2.022  |         | 11.6           | 10.0            | 16.2  | 30.0      |
| 1,3-Dichlorobenzene    | Ave           | 0.8925  | 1.022  |         | 11.5           | 10.0            | 14.6  | 30.0      |
| 1,4-Dichlorobenzene    | Ave           | 0.8666  | 0.9825 |         | 11.3           | 10.0            | 13.4  | 30.0      |
| Benzyl chloride        | Ave           | 0.9186  | 1.112  |         | 12.1           | 10.0            | 21.0  | 30.0      |
| n-Butylbenzene         | Ave           | 1.370   | 1.633  |         | 11.9           | 10.0            | 19.2  | 30.0      |
| n-Undecane             | Ave           | 0.6424  | 0.8000 |         | 12.5           | 10.0            | 24.5  | 30.0      |
| 1,2-Dichlorobenzene    | Ave           | 0.9899  | 1.035  |         | 10.5           | 10.0            | 4.6   | 30.0      |
| n-Dodecane             | Ave           | 0.1008  | 0.1563 |         | 15.5           | 10.0            | 55.1* | 30.0      |
| 1,2,4-Trichlorobenzene | Ave           | 0.5281  | 0.4065 |         | 7.70           | 10.0            | -23.0 | 30.0      |
| Hexachlorobutadiene    | Ave           | 0.4459  | 0.6121 |         | 13.7           | 10.0            | 37.3* | 30.0      |
| Naphthalene            | Ave           | 1.259   | 0.9528 |         | 7.56           | 10.0            | -24.3 | 30.0      |
| 1,2,3-Trichlorobenzene | Ave           | 0.4339  | 0.3985 |         | 9.18           | 10.0            | -8.2  | 30.0      |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-21737-1

SDG No.: \_\_\_\_\_

Instrument ID: CHC.iStart Date: 03/18/2014 07:56Analysis Batch Number: 69583End Date: 03/19/2014 07:29

| LAB SAMPLE ID      | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-69583/1    |                  | 03/18/2014 07:56 | 1                  | 6584_01.D   | RTX-624 0.32 (mm) |
| VIBLK 200-69583/2  |                  | 03/18/2014 08:50 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-69583/3     |                  | 03/18/2014 09:42 | 1                  | 6584_03.D   | RTX-624 0.32 (mm) |
| IC 200-69583/4     |                  | 03/18/2014 10:34 | 1                  | 6584_04.D   | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/18/2014 11:26 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-69583/6     |                  | 03/18/2014 12:18 | 1                  | 6584_06.D   | RTX-624 0.32 (mm) |
| ICIS 200-69583/7   |                  | 03/18/2014 13:10 | 1                  | 6584_07.D   | RTX-624 0.32 (mm) |
| IC 200-69583/8     |                  | 03/18/2014 14:03 | 1                  | 6584_08.D   | RTX-624 0.32 (mm) |
| IC 200-69583/17    |                  | 03/18/2014 14:55 | 1                  | 6584_17.D   | RTX-624 0.32 (mm) |
| IC 200-69583/9     |                  | 03/18/2014 15:47 | 1                  | 6584_09.D   | RTX-624 0.32 (mm) |
| IC 200-69583/10    |                  | 03/18/2014 16:40 | 1                  | 6584_10.D   | RTX-624 0.32 (mm) |
| VIBLK 200-69583/11 |                  | 03/18/2014 17:25 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-69583/12 |                  | 03/18/2014 18:17 | 1                  |             | RTX-624 0.32 (mm) |
| ICV 200-69583/13   |                  | 03/18/2014 19:09 | 1                  | 6584_13.D   | RTX-624 0.32 (mm) |
| VIBLK 200-69583/14 |                  | 03/18/2014 20:01 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/18/2014 20:53 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/18/2014 21:44 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/18/2014 22:43 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/18/2014 23:42 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 00:40 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 01:39 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 02:37 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 03:36 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 04:34 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 05:32 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 06:30 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/19/2014 07:29 | 0.2                |             | RTX-624 0.32 (mm) |



## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-21737-1

SDG No.: \_\_\_\_\_

Instrument ID: CHC.iStart Date: 04/08/2014 10:16Analysis Batch Number: 70486End Date: 04/09/2014 09:31

| LAB SAMPLE ID     | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|-------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-70486/1   |                  | 04/08/2014 10:16 | 1                  | 6933_01.D   | RTX-624 0.32 (mm) |
| CCVIS 200-70486/2 |                  | 04/08/2014 11:07 | 1                  | 6933_02.D   | RTX-624 0.32 (mm) |
| LCS 200-70486/3   |                  | 04/08/2014 11:59 | 1                  | 6933_03.D   | RTX-624 0.32 (mm) |
| MB 200-70486/4    |                  | 04/08/2014 12:51 | 1                  | 6933_04.D   | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 13:54 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 14:46 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 15:38 | 12.5               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 16:48 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 17:40 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 18:32 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 19:25 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 20:24 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 21:22 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/08/2014 22:21 | 0.2                |             | RTX-624 0.32 (mm) |
| 200-21737-1       | 4443             | 04/08/2014 23:19 | 0.2                | 6933_15.D   | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 00:12 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 01:04 | 9.85               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 01:57 | 65.1               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 02:49 | 9.92               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 03:41 | 31.9               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 04:33 | 118                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 05:25 | 601                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 06:17 | 72.7               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 08:39 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/09/2014 09:31 | 10                 |             | RTX-624 0.32 (mm) |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-21778-1

SDG No.: \_\_\_\_\_

Instrument ID: CHB.iStart Date: 03/14/2014 10:21Analysis Batch Number: 69511End Date: 03/15/2014 04:26

| LAB SAMPLE ID      | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-69511/1    |                  | 03/14/2014 10:21 | 1                  | 6557_001.D  | RTX-624 0.32 (mm) |
| VIBLK 200-69511/2  |                  | 03/14/2014 11:18 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-69511/3     |                  | 03/14/2014 12:11 | 1                  | 6557_003.D  | RTX-624 0.32 (mm) |
| IC 200-69511/4     |                  | 03/14/2014 13:03 | 1                  | 6557_004.D  | RTX-624 0.32 (mm) |
| IC 200-69511/5     |                  | 03/14/2014 13:55 | 1                  | 6557_005.D  | RTX-624 0.32 (mm) |
| IC 200-69511/6     |                  | 03/14/2014 14:47 | 1                  | 6557_006.D  | RTX-624 0.32 (mm) |
| ICIS 200-69511/7   |                  | 03/14/2014 15:39 | 1                  | 6557_007.D  | RTX-624 0.32 (mm) |
| IC 200-69511/8     |                  | 03/14/2014 16:31 | 1                  | 6557_008.D  | RTX-624 0.32 (mm) |
| IC 200-69511/9     |                  | 03/14/2014 17:24 | 1                  | 6557_009.D  | RTX-624 0.32 (mm) |
| IC 200-69511/10    |                  | 03/14/2014 18:16 | 1                  | 6557_010.D  | RTX-624 0.32 (mm) |
| VIBLK 200-69511/11 |                  | 03/14/2014 19:08 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-69511/12 |                  | 03/14/2014 20:01 | 1                  |             | RTX-624 0.32 (mm) |
| ICV 200-69511/13   |                  | 03/14/2014 20:54 | 1                  | 6557_013.D  | RTX-624 0.32 (mm) |
| VIBLK 200-69511/14 |                  | 03/14/2014 21:46 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/14/2014 22:39 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/14/2014 23:31 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/15/2014 00:30 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/15/2014 01:29 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/15/2014 02:28 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/15/2014 03:27 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 03/15/2014 04:26 | 0.2                |             | RTX-624 0.32 (mm) |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-21778-1

SDG No.: \_\_\_\_\_

Instrument ID: CHB.iStart Date: 04/10/2014 10:11Analysis Batch Number: 70582End Date: 04/11/2014 10:31

| LAB SAMPLE ID     | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|-------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-70582/1   |                  | 04/10/2014 10:11 | 1                  | 6972_001.D  | RTX-624 0.32 (mm) |
| CCVIS 200-70582/2 |                  | 04/10/2014 11:04 | 1                  | 6972_002.D  | RTX-624 0.32 (mm) |
| LCS 200-70582/3   |                  | 04/10/2014 11:56 | 1                  | 6972_003.D  | RTX-624 0.32 (mm) |
| MB 200-70582/4    |                  | 04/10/2014 12:48 | 1                  | 6972_004.D  | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 13:40 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 14:32 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 15:24 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 16:16 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 17:08 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 18:00 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 18:52 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 19:45 | 6.06               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 20:37 | 6.06               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 21:29 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 22:21 | 2                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/10/2014 23:13 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 00:05 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 00:58 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 01:50 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 02:42 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 03:34 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 04:26 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 05:19 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 06:11 | 27.8               |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 07:03 | 10                 |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 08:34 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/11/2014 09:32 | 0.2                |             | RTX-624 0.32 (mm) |
| 200-21778-5       | 3210             | 04/11/2014 10:31 | 0.2                | 6972_028.D  | RTX-624 0.32 (mm) |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-21851-1

SDG No.: \_\_\_\_\_

Instrument ID: CHG.i Start Date: 02/20/2014 12:20Analysis Batch Number: 68619 End Date: 02/21/2014 02:36

| LAB SAMPLE ID      | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|--------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-68619/1    |                  | 02/20/2014 12:20 | 1                  | 6246_001.D  | RTX-624 0.32 (mm) |
| VIBLK 200-68619/2  |                  | 02/20/2014 13:17 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 02/20/2014 14:04 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 02/20/2014 14:51 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-68619/5  |                  | 02/20/2014 15:38 | 1                  |             | RTX-624 0.32 (mm) |
| IC 200-68619/6     |                  | 02/20/2014 16:25 | 1                  | 6246_006.D  | RTX-624 0.32 (mm) |
| IC 200-68619/7     |                  | 02/20/2014 17:12 | 1                  | 6246_007.D  | RTX-624 0.32 (mm) |
| IC 200-68619/8     |                  | 02/20/2014 17:59 | 1                  | 6246_008.D  | RTX-624 0.32 (mm) |
| IC 200-68619/9     |                  | 02/20/2014 18:46 | 1                  | 6246_009.D  | RTX-624 0.32 (mm) |
| ICIS 200-68619/10  |                  | 02/20/2014 19:33 | 1                  | 6246_010.D  | RTX-624 0.32 (mm) |
| IC 200-68619/11    |                  | 02/20/2014 20:20 | 1                  | 6246_011.D  | RTX-624 0.32 (mm) |
| IC 200-68619/12    |                  | 02/20/2014 21:07 | 1                  | 6246_012.D  | RTX-624 0.32 (mm) |
| IC 200-68619/13    |                  | 02/20/2014 21:54 | 1                  | 6246_013.D  | RTX-624 0.32 (mm) |
| VIBLK 200-68619/14 |                  | 02/20/2014 22:41 | 1                  |             | RTX-624 0.32 (mm) |
| VIBLK 200-68619/15 |                  | 02/20/2014 23:28 | 1                  |             | RTX-624 0.32 (mm) |
| ICV 200-68619/16   |                  | 02/21/2014 00:15 | 1                  | 6246_016.D  | RTX-624 0.32 (mm) |
| VIBLK 200-68619/17 |                  | 02/21/2014 01:02 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 02/21/2014 01:49 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ              |                  | 02/21/2014 02:36 | 1                  |             | RTX-624 0.32 (mm) |

## AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 200-21851-1

SDG No.: \_\_\_\_\_

Instrument ID: CHG.iStart Date: 04/15/2014 07:34Analysis Batch Number: 70761End Date: 04/16/2014 07:49

| LAB SAMPLE ID     | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID         |
|-------------------|------------------|------------------|--------------------|-------------|-------------------|
| BFB 200-70761/1   |                  | 04/15/2014 07:34 | 1                  | 7034_001.D  | RTX-624 0.32 (mm) |
| CCVIS 200-70761/2 |                  | 04/15/2014 08:34 | 1                  | 7034_002.D  | RTX-624 0.32 (mm) |
| LCS 200-70761/3   |                  | 04/15/2014 09:20 | 1                  | 7034_003.D  | RTX-624 0.32 (mm) |
| VIBLK 200-70761/4 |                  | 04/15/2014 10:07 | 1                  |             | RTX-624 0.32 (mm) |
| MB 200-70761/5    |                  | 04/15/2014 12:20 | 1                  | 7034_005.D  | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 13:07 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 13:54 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 14:41 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 15:28 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 16:15 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 17:03 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 17:50 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 18:37 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 19:23 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 20:10 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 20:57 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 21:44 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 22:31 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/15/2014 23:17 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 00:04 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 00:51 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 01:38 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 02:25 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 03:12 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 04:00 | 1                  |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 04:57 | 0.2                |             | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 05:54 | 0.2                |             | RTX-624 0.32 (mm) |
| 200-21851-6       | 3373             | 04/16/2014 06:52 | 0.2                | 7034_028.D  | RTX-624 0.32 (mm) |
| ZZZZZ             |                  | 04/16/2014 07:49 | 0.2                |             | RTX-624 0.32 (mm) |

# Subcontract Data

# Shipping and Receiving Documents



280-54595 Chain of Custody

# AFCEC

## CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

|                                                                                                                                                           |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Ship to: Kathryn Kelly<br>Test America - Burlington<br>30 Community Drive, Suite 11<br>South Burlington, VT 05403<br>Tel: (802)923-1027<br>Carrier: Fedex | Project Name: Griffiss AFB 1015-11-01 B101<br>Sampler Name: Katrina Matice<br>Sampler Signature: <i>Katrina Matice</i> |
| Send Results to: Daniel Baldyga<br>FPM Remediations Inc<br>584 Phoenix Dr<br>Rome, NY 13441<br>Phone: (315) 336-7721 Ext 207                              |                                                                                                                        |

### Analyses Requested

| Field Sample ID | Location ID (LOCID) | Date<br>2014 | Time | MATRIX | SMCODE | SBD/SBD | SACODE | Start Vacuum<br>(in Hg) | End Vacuum<br>(in Hg) | No. of<br>Containers | VOCs Note<br>1 | ANALYSIS<br>NOTE | Comments               |
|-----------------|---------------------|--------------|------|--------|--------|---------|--------|-------------------------|-----------------------|----------------------|----------------|------------------|------------------------|
| 101VMP0101CA    | 101VMP-1            | 4/16         | 1050 | GS     | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1              | 1                | Can # 3402, Reg # 4623 |
| 101VMP0201CA    | 101VMP-2            | 4/16         | 1045 | GS     | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1              | 1                | Can # 2521, Reg # 4687 |
| 101VMP0301CA    | 101VMP-3            | 4/16         | 1040 | GS     | AC     | 0/0     | N      | -30                     | -3                    | 1                    | 1              | 1                | Can # 2945, Reg # 4890 |
| 101VMP0101CC    | 101VMP-1            | 4/16         | 1050 | GS     | AC     | 0/0     | FD     | -28                     | -4                    | 1                    | 1              | 1                | Can # 3835, Reg # 4702 |
| 101IA0305CA     | 101IA-03(BADrP)     | 4/15         | 1440 | GS     | AC     | 0/0     | N      | -30                     | -8                    | 1                    | 1              | 1                | Can # 4544, Reg # 4031 |
| 101IA0405CA     | 101IA-04(BADP)      | 4/15         | 1435 | GS     | AC     | 0/0     | N      | -26                     | -5                    | 1                    | 1              | 1                | Can # 4294, Reg # 3385 |
| 101OA0305CA     | 101OA-03            | 4/17         | 1100 | GS     | AC     | 0/0     | N      | -30                     | -7                    | 1                    | 1              | 1                | Can # 4455, Reg # 4935 |
| 101CA01CA       | 101 SVE Influent    | 4/15         | 1430 | GS     | AC     | 0/0     | N      | -10                     | -2                    | 1                    | 1              | 1                | Can # 4918, Reg # 5351 |
| 041614TB        | Trip Blank          | 4/16         | 1200 | GS     | AC     | 0/0     | TB     | NA                      | NA                    | 1                    | 1              | 1                | Can # 4141             |

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required;

|                       |       |                       |       |                       |       |
|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| #1 Released by: (Sig) | Date: | #2 Released by: (Sig) | Date: | #3 Released by: (Sig) | Date: |
| Company Name:         | Time: | Company Name:         | Time: | Company Name:         | Time: |
| #1 Received by: (Sig) | Date: | #2 Received by: (Sig) | Date: | #3 Received by: (Sig) | Date: |
| Company Name:         | Time: | Company Name:         | Time: | Company Name:         | Time: |

### MATRIX

WG = Ground water  
 WQ = Water Quality Control Matrix  
 SO = Soil  
 GS = Gas Soil

### SMCODE

B = Bailor  
 G = Grab (only for EB)  
 NA = Not Applicable (only for AB/TB)  
 PP = Peristaltic Pump  
 BP = Bladder Pump

### SACODE

N = Normal Sample  
 AB = Ambient Blank  
 TB = Trip Blank  
 EB = Equipment Blank  
 FD = Field Duplicate



SP = Submersible Pump  
AC = Air Container

MS = Matrix Spike  
SD = Matrix Spike Duplicate

## Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-54595-1

Login Number: 54595

List Source: TestAmerica Denver

List Number: 1

Creator: DeHerrera, Jessica H

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      |        |         |
| The cooler's custody seal, if present, is intact.                                        |        |         |
| Sample custody seals, if present, are intact.                                            |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.           |        |         |
| Samples were received on ice.                                                            |        |         |
| Cooler Temperature is acceptable.                                                        |        |         |
| Cooler Temperature is recorded.                                                          |        |         |
| COC is present.                                                                          |        |         |
| COC is filled out in ink and legible.                                                    |        |         |
| COC is filled out with all pertinent information.                                        |        |         |
| Is the Field Sampler's name present on COC?                                              |        |         |
| There are no discrepancies between the containers received and the COC.                  |        |         |
| Samples are received within Holding Time.                                                |        |         |
| Sample containers have legible labels.                                                   |        |         |
| Containers are not broken or leaking.                                                    |        |         |
| Sample collection date/times are provided.                                               |        |         |
| Appropriate sample containers are used.                                                  |        |         |
| Sample bottles are completely filled.                                                    |        |         |
| Sample Preservation Verified.                                                            |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         |        |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). |        |         |
| Multiphasic samples are not present.                                                     |        |         |
| Samples do not require splitting or compositing.                                         |        |         |
| Residual Chlorine Checked.                                                               |        |         |

## Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-54595-1

**Login Number: 54595**

**List Number: 2**

**Creator: Gagne, Eric M**

**List Source: TestAmerica Burlington**

**List Creation: 04/24/14 07:50 AM**

| Question                                                                                 | Answer | Comment                                  |
|------------------------------------------------------------------------------------------|--------|------------------------------------------|
| Radioactivity wasn't checked or is $\leq$ 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   | 468455, 456, 457 & 458                   |
| 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   | AMBIENT.                                 |
| Cooler Temperature is recorded.                                                          | True   |                                          |
| COC is present.                                                                          | True   |                                          |
| COC is filled out in ink and legible.                                                    | True   |                                          |
| COC is filled out with all pertinent information.                                        | True   |                                          |
| Is the Field Sampler's name present on COC?                                              | True   |                                          |
| There are no discrepancies between the containers received and the COC.                  | True   |                                          |
| Samples are received within Holding Time.                                                | True   |                                          |
| Sample containers have legible labels.                                                   | True   |                                          |
| Containers are not broken or leaking.                                                    | True   |                                          |
| Sample collection date/times are provided.                                               | True   |                                          |
| Appropriate sample containers are used.                                                  | True   |                                          |
| Sample bottles are completely filled.                                                    | True   |                                          |
| Sample Preservation Verified.                                                            | True   |                                          |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |                                          |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |                                          |
| Multiphasic samples are not present.                                                     | N/A    |                                          |
| Samples do not require splitting or compositing.                                         | N/A    |                                          |
| Residual Chlorine Checked.                                                               | N/A    |                                          |

## **Appendix E**

### **Validated Laboratory Data**

**FPM GROUP, LTD.**  
**Data Verification and Usability Report**  
**GRIFFISS AIR FORCE BASE**  
**GRIFFISS LTM SAMPLING**  
**Site Griffiss AFB Building 101 Sampling**  
**Soil Vapor Sampling**  
**Contract No. FA8903-10-D8595, Delivery Order No. 0014**

**FPM Project No. 1015-11-01**

**TestAmerica Job # 280-54595-1**

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Laboratory:          | TestAmerica, Inc.                                          |
| Sample Matrix:       | Soil Vapor                                                 |
| Number of Samples:   | 9                                                          |
| Analytical Protocol: | AFCEE QAPP, Version 4.2, with AFCEE-approved lab variances |
| Data Reviewer:       | Connie van Hoesel                                          |
| Sample Date:         | April 15-17, 2014                                          |

---

**LIST OF DATA VERIFICATION SAMPLES**

This verification report pertains to the following environmental samples and corresponding QC samples:

| Sample ID    | Date    | Sample ID    | Date    |
|--------------|---------|--------------|---------|
| 101VMP0101CA | 4/16/14 | 101VMP0101CC | 4/16/14 |
| 101VMP0201CA | 4/16/14 |              |         |
| 101VMP0301CA | 4/16/14 |              |         |
| 101IA0305CA  | 4/15/14 |              |         |
| 101IA0405CA  | 4/15/14 |              |         |
| 101OA0305CA  | 4/17/14 | 041614TB     | 4/16/14 |
| 101CA01CA    | 4/15/14 |              |         |

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.

CA – Primary environmental samples

CC – Field duplicate sample

TB – Trip blank

## **DELIVERABLES**

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

## **ANALYTICAL METHODS**

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included the EPA Compendium Methods for toxic organics: Volatile Organic Compounds (VOC) by EPA method TO-15.

## **VERIFICATION GUIDANCE**

The analytical work was performed by TestAmerica Laboratories, Inc. in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

## **QA/QC CRITERIA**

The following QA/QC criteria were reviewed, as applicable and available:

- Method detection limits and limits of quantitation (DL, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

***GENERAL NOTES:***

**BLANKS**

Whenever blanks, including method, ambient, equipment, and trip, contained low levels of contaminants (between DL and LOQ), the laboratory qualified the subject results with a “J” flag. Since no qualification of associated field samples are required for blank concentrations less than half the LOQ, no further action was taken in such instances.

**SAMPLE LABELING/CHAIN-OF-CUSTODY**

The case narrative mentioned that container labels were not properly filled out. The samples were matched up using the canister asset numbers and the laboratory logged the sample information per the COC.

## VOLATILE ORGANIC COMPOUNDS (VOCs)

- According to the case narrative, the following samples were analyzed at initial dilutions: 101VMP0101CA at 1:4; 101VMP0201CA at 1:2.5; 101VMP0301CA at 1:15.2 and 101VMP0101CC, 101IA0305CA, and 101IA0405CA at 1:5. The dilution results only are reported and are used in data verification as representing original results.
- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. Using professional judgment, for sample results greater than the RL (equivalent to the LOQ), an RPD greater than 25% would at least warrant a “J” flag, especially for those results greater than 5 times (5x) the reporting limit. If either the parent or the duplicate sample is less than 5x the LOQ, then the difference between the parent and duplicate sample must be less than 2x the LOQ. “J” flags for detects and “UJ” flags for non-detects are required per the QAPP for any exceedances.

The following table summarizes results of the relative percent differences (RPD's) of field duplicate samples 101VMP0101CA and 101VMP0101CC.

| Sample ID,<br>Normal | Sample ID,<br>Field Duplicate | Analyte                      | Normal<br>Result<br>(µg/m3<br>) | Field<br>Dup<br>Result<br>(µg/m3) | LOQ<br>(µg/m3) | RPD | Flag<br>Applied | Rationale                   |
|----------------------|-------------------------------|------------------------------|---------------------------------|-----------------------------------|----------------|-----|-----------------|-----------------------------|
| 101VMP0101CA         | 101VMP0101CC                  | Dichloro-<br>difluoromethane | 3.5 J                           | 3.7 J                             | 9.9, 12        | 0.2 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Freon 22                     | 1.9 J                           | 1.9 J                             | 7.1, 8.8       | 0   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | n-Butane                     | 13                              | 13                                | 4.8, 5.9       | 0   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Trichloro-<br>fluoromethane  | 3.4 J                           | 3.6 J                             | 4.5, 5.6       | 0.2 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Acetone                      | 260                             | 280                               | 48, 59         | 7.4 | None            | RPD<25%                     |
| 101VMP0101CA         | 101VMP0101CC                  | Isopropyl<br>alcohol         | 46 J                            | 43 J                              | 49, 61         | 3   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Carbon disulfide             | 2.5 U                           | 1.3 J                             | 6.2, 7.8       | 1.2 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | tert-Butyl<br>alcohol        | 21 J                            | 17 J                              | 61, 76         | 4   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Methyl tert-butyl<br>ether   | 1.9 J                           | 1.7 J                             | 2.9, 3.6       | 0.2 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | n-Hexane                     | 2.7 J                           | 2.1 J                             | 2.8, 3.5       | 0.6 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Methyl Ethyl<br>Ketone       | 46                              | 48                                | 5.9, 7.4       | 4.3 | None            | RPD<25%                     |
| 101VMP0101CA         | 101VMP0101CC                  | Chloroform                   | 14                              | 14                                | 3.9, 4.9       | 0   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Tetrahydrofuran              | 44 J                            | 49 J                              | 59, 74         | 5   | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Carbon<br>Tetrachloride      | 0.68 J                          | 2.5 U                             | 5.0, 6.3       | 1.8 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | 2,2,4-Trimethyl-<br>pentane  | 2.5 J                           | 2.0 J                             | 3.7, 4.7       | 0.5 | None            | Total difference<br>< 2xLOQ |



| Sample ID,<br>Normal | Sample ID,<br>Field Duplicate | Analyte                     | Normal<br>Result<br>(µg/m3<br>) | Field<br>Dup<br>Result<br>(µg/m3) | LOQ<br>(µg/m3) | RPD  | Flag<br>Applied | Rationale                   |
|----------------------|-------------------------------|-----------------------------|---------------------------------|-----------------------------------|----------------|------|-----------------|-----------------------------|
| 101VMP0101CA         | 101VMP0101CC                  | Benzene                     | 1.2 J                           | 1.2 J                             | 2.6, 3.2       | 0    | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Trichloroethene             | 15                              | 18                                | 4.3, 5.4       | 3    | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Methyl<br>methacrylate      | 2.2 J                           | 1.9 J                             | 8.2, 10        | 0.3  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Methyl isobutyl<br>ketone   | 4.3 J                           | 5.2 J                             | 8.2, 10        | 0.9  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Toluene                     | 17                              | 17                                | 3.0, 3.8       | 0    | None            | RPD<25%                     |
| 101VMP0101CA         | 101VMP0101CC                  | Ethylbenzene                | 3.0 J                           | 2.8 J                             | 3.5, 4.3       | 0.2  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | m,p-Xylene                  | 9.3                             | 9.1 J                             | 8.7, 11        | 0.2  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | o-Xylene                    | 3.4 J                           | 3.1 J                             | 3.5, 4.3       | 0.3  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Total Xylene                | 13                              | 12                                | 3.5, 4.3       | 1    | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Styrene                     | 4.1                             | 3.4 J                             | 3.4, 4.3       | 0.7  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | Cumene                      | 0.81 J                          | 0.64 J                            | 3.9, 4.9       | 0.17 | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | 4-Ethyltoluene              | 1.4 J                           | 1.5 J                             | 3.9, 4.9       | 0.1  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | 1,3,5-Trimethyl-<br>benzene | 1.5 J                           | 1.4 J                             | 3.9, 4.9       | 0.1  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | 1,2,4-Trimethyl-<br>benzene | 4.9                             | 4.6 J                             | 3.9, 4.9       | 0.3  | None            | Total difference<br>< 2xLOQ |
| 101VMP0101CA         | 101VMP0101CC                  | 1,3-Dichloro-<br>benzene    | 27                              | 26                                | 4.8, 6.0       | 3.8  | None            | RPD<25%                     |
| 101VMP0101CA         | 101VMP0101CC                  | 1,2,4-Trichloro-<br>benzene | 1.7 J                           | 3.0 U                             | 15, 19         | 1.3  | None            | Total difference<br>< 2xLOQ |

**Corrective Action:** No “J” flags were applied to results since the total differences or the RPDs met the field duplicate criterion as described above.

## **DATA USABILITY RESULTS**

### **VOCs**

Based on the evaluation of all information in the analytical data groups, the results for VOCs are usable with the data qualifiers as noted. It should be noted that non-reportable results did not affect overall data usability. Using the verification approach as presented above, the results for all above samples are 100% usable.

## **AFCEE SUMMARY**

All data in Job # 280-54595-1 are usable, which can be used with qualifications as noted in the data review.

Signed: Concordia van Hoesel

Date: 5/11/14

## **ATTACHMENTS**

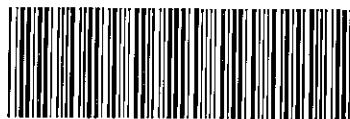
- Chain-of-Custody
- Laboratory's Case Narrative
- Qualified final data verification results on annotated Lab Sheet 2s

## SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54595-1

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|---------------|------------------|---------------|----------------------|-----------------------|
| 280-54595-1   | 101VMP0101CA     | Air           | 04/16/2014 1050      | 04/23/2014 1503       |
| 280-54595-2   | 101VMP0201CA     | Air           | 04/16/2014 1045      | 04/23/2014 1503       |
| 280-54595-3   | 101VMP0301CA     | Air           | 04/16/2014 1040      | 04/23/2014 1503       |
| 280-54595-4   | 101VMP0101CC     | Air           | 04/16/2014 1050      | 04/23/2014 1503       |
| 280-54595-5   | 101IA0305CA      | Air           | 04/15/2014 1440      | 04/23/2014 1503       |
| 280-54595-6   | 101IA0405CA      | Air           | 04/15/2014 1435      | 04/23/2014 1503       |
| 280-54595-7   | 101OA0305CA      | Air           | 04/17/2014 1100      | 04/23/2014 1503       |
| 280-54595-8   | 101CA01CA        | Air           | 04/15/2014 1430      | 04/23/2014 1503       |
| 280-54595-9TB | 041614TB         | Air           | 04/16/2014 1200      | 04/23/2014 1503       |



280-54595 Chain of Custody

# AFCEC

## CHAIN OF CUSTODY RECORD

COC#: 1 SDG#: 1 Cooler ID: A

|                                                                                                                                         |                                                                             |                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Ship to: Kathryn Kelly<br>Test America - Burlington<br>30 Community Drive, Suite 11<br>South Burlington, VT 05403    Tel: (802)923-1027 | Project Name: Griffiss AFB 1015-11-01 B101<br>Sampler Name: Katrina Mattice | Send Results to: Daniel Baldyga<br>FPM Remediations Inc<br>584 Phoenix Dr<br>Rome, NY 13441<br>Phone: (315) 336-7721 Ext 207 |
| Carrier: Fedex                                                                                                                          | Sampler Signature: <i>Katrina Mattice</i>                                   |                                                                                                                              |

## Analyses Requested

| Field Sample ID | Location ID (LOCID) | Date<br>2014 | Time | MATRIX | SMCODE | SBD/SED | SACODE | Start Vacuum<br>(in Hg) | End Vacuum<br>(in Hg) | No. of<br>Containers | VOCs Note 1<br>6 L canister | ANALYSIS<br>NOTE | Comments               |
|-----------------|---------------------|--------------|------|--------|--------|---------|--------|-------------------------|-----------------------|----------------------|-----------------------------|------------------|------------------------|
| 101VMP0101CA    | 101VMP-1            | 4/16         | 1050 | GS     | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1                           | 1                | Can # 3402, Reg # 4623 |
| 101VMP0201CA    | 101VMP-2            | 4/16         | 1045 | GS     | AC     | 0/0     | N      | -28                     | -4                    | 1                    | 1                           | 1                | Can # 2521, Reg # 4687 |
| 101VMP0301CA    | 101VMP-3            | 4/16         | 1040 | GS     | AC     | 0/0     | N      | -30                     | -3                    | 1                    | 1                           | 1                | Can # 2945, Reg # 4890 |
| 101VMP0101CC    | 101VMP-1            | 4/16         | 1050 | GS     | AC     | 0/0     | FD     | -28                     | -4                    | 1                    | 1                           | 1                | Can # 3835, Reg # 4702 |
| 101IA0305CA     | 101IA-03(BAD: P)    | 4/15         | 1440 | GS     | AC     | 0/0     | N      | -30                     | -8                    | 1                    | 1                           | 1                | Can # 4544, Reg # 4031 |
| 101IA0405CA     | 101IA-04(BADP)      | 4/15         | 1435 | GS     | AC     | 0/0     | N      | -26                     | -5                    | 1                    | 1                           | 1                | Can # 4294, Reg # 3385 |
| 101OA0305CA     | 101OA-03            | 4/17         | 1100 | GS     | AC     | 0/0     | N      | -30                     | -7                    | 1                    | 1                           | 1                | Can # 4455, Reg # 4935 |
| 101CA01CA       | 101 SVE Influent    | 4/15         | 1430 | GS     | AC     | 0/0     | N      | -10                     | -2                    | 1                    | 1                           | 1                | Can # 4918, Reg # 5351 |
| 041614TB        | Trip Blank          | 4/16         | 1200 | GS     | AC     | 0/0     | TB     | NA                      | NA                    | 1                    | 1                           | 1                | Can # 4141             |

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: VOC: Method TO-15 Full List

ANALYSIS NOTE 1: Cat B package required;

|                                         |                      |                                          |                      |                                          |                      |
|-----------------------------------------|----------------------|------------------------------------------|----------------------|------------------------------------------|----------------------|
| #1 Released by: (Sig)                   | Date:                | #2 Released by: (Sig) <i>K. Mattice</i>  | Date: <i>4/17/14</i> | #3 Released by: (Sig) <i>[Signature]</i> | Date: <i>4/18/14</i> |
| Company Name:                           | Time:                | Company Name: FPM Remediations Inc       | Time: <i>1700</i>    | Company Name: <i>FPM</i>                 | Time: <i>1030</i>    |
| #1 Received by: (Sig) <i>K. Mattice</i> | Date: <i>4/15/14</i> | #2 Received by: (Sig) <i>[Signature]</i> | Date: <i>4/17/14</i> | #3 Received by: (Sig) <i>[Signature]</i> | Date: <i>4/19/14</i> |
| Company Name: FPM Remediations Inc      | Time: <i>1000</i>    | Company Name: <i>FPM REM</i>             | Time: <i>1700</i>    | Company Name: <i>FPM</i>                 | Time: <i>1030</i>    |

**MATRIX**

WG = Ground water  
 WQ = Water Quality Control Matrix  
 SO = Soil  
 GS = Gas Soil

**SMCODE**

B = Bailer  
 G = Grab (only for EB).  
 NA = Not Applicable (only for AB/TB)  
 PP = Peristaltic Pump  
 BP = Bladder Pump

**SACODE**

N = Normal Sample  
 AB = Ambient Blank  
 TB = Trip Blank  
 EB = Equipment Blank  
 FD = Field Duplicate

SP = Submersible Pump  
AC = Air Container

MS = Matrix Spike  
SD = Matrix Spike Duplicate

**CASE NARRATIVE**  
**Client: FPM Remediations Inc**  
**Project: Griffiss AFB Soil Vapor**  
**Report Number: 280-54595-1**

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 4/19/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

**EPA-21**

Samples 101VMP0101CA (280-54595-1), 101VMP0201CA (280-54595-2), 101VMP0301CA (280-54595-3), 101VMP0101CC (280-54595-4), 101IA0305CA (280-54595-5), 101IA0405CA (280-54595-6), 101OA0305CA (280-54595-7), 101CA01CA (280-54595-8) and 041614TB (280-54595-9) were analyzed for EPA-21 in accordance with TO-15. The samples were analyzed on 04/25/2014.

Several analytes were detected in method blank MB 200-71232/6 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Samples 101VMP0101CA (280-54595-1)[4X], 101VMP0201CA (280-54595-2)[2.5X], 101VMP0301CA (280-54595-3)[15.2X], 101VMP0101CC (280-54595-4)[5X], 101IA0305CA (280-54595-5)[5X] and 101IA0405CA (280-54595-6)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the TO15 analysis.

All other quality control parameters were within the acceptance limits.

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.70             | J         | 0.12  | 2.0  |
| Freon 22                      | 0.53             | JM        | 0.19  | 2.0  |
| 1,2-Dichlorotetrafluoroethane | 0.32             | U         | 0.14  | 0.80 |
| Chloromethane                 | 2.0              | U         | 0.54  | 2.0  |
| n-Butane                      | 5.4              |           | 1.1   | 2.0  |
| Vinyl chloride                | 0.32             | U         | 0.15  | 0.80 |
| 1,3-Butadiene                 | 0.32             | U         | 0.17  | 0.80 |
| Bromomethane                  | 0.32             | U         | 0.11  | 0.80 |
| Chloroethane                  | 0.32             | U         | 0.12  | 2.0  |
| Bromoethene(Vinyl Bromide)    | 0.32             | U         | 0.12  | 0.80 |
| Trichlorofluoromethane        | 0.60             | JM        | 0.12  | 0.80 |
| Freon TF                      | 0.12             | U         | 0.072 | 0.80 |
| 1,1-Dichloroethene            | 0.32             | U         | 0.096 | 0.80 |
| Acetone                       | 110              |           | 5.0   | 20   |
| Isopropyl alcohol             | 19               | J         | 0.86  | 20   |
| Carbon disulfide              | 0.80             | U         | 0.26  | 2.0  |
| 3-Chloropropene               | 0.32             | U         | 0.14  | 2.0  |
| Methylene Chloride            | 0.80             | U         | 0.50  | 2.0  |
| tert-Butyl alcohol            | 7.0              | J         | 1.3   | 20   |
| Methyl tert-butyl ether       | 0.53             | J         | 0.088 | 0.80 |
| trans-1,2-Dichloroethene      | 0.32             | U         | 0.12  | 0.80 |
| n-Hexane                      | 0.76             | J         | 0.14  | 0.80 |
| 1,1-Dichloroethane            | 0.32             | U         | 0.15  | 0.80 |
| Methyl Ethyl Ketone           | 16               |           | 0.97  | 2.0  |
| cis-1,2-Dichloroethene        | 0.32             | U         | 0.15  | 0.80 |
| 1,2-Dichloroethene, Total     | 0.32             | U         | 0.26  | 0.80 |
| Chloroform                    | 2.8              |           | 0.10  | 0.80 |
| Tetrahydrofuran               | 15               | J         | 0.18  | 20   |
| 1,1,1-Trichloroethane         | 0.32             | U         | 0.084 | 0.80 |
| Cyclohexane                   | 0.32             | U         | 0.10  | 0.80 |
| Carbon tetrachloride          | 0.11             | J         | 0.084 | 0.80 |
| 2,2,4-Trimethylpentane        | 0.54             | J         | 0.11  | 0.80 |
| Benzene                       | 0.37             | JM        | 0.076 | 0.80 |
| 1,2-Dichloroethane            | 0.12             | U         | 0.068 | 0.80 |
| n-Heptane                     | 0.32             | U         | 0.18  | 0.80 |
| Trichloroethene               | 2.9              |           | 0.096 | 0.80 |
| Methyl methacrylate           | 0.54             | J         | 0.12  | 2.0  |
| 1,2-Dichloropropane           | 0.32             | U         | 0.13  | 0.80 |
| 1,4-Dioxane                   | 0.80             | U         | 0.80  | 20   |
| Bromodichloromethane          | 0.12             | U         | 0.068 | 0.80 |
| cis-1,3-Dichloropropene       | 0.32             | U         | 0.11  | 0.80 |
| methyl isobutyl ketone        | 1.0              | J         | 0.11  | 2.0  |
| Toluene                       | 4.4              |           | 0.068 | 0.80 |
| trans-1,3-Dichloropropene     | 0.32             | U         | 0.088 | 0.80 |
| 1,1,2-Trichloroethane         | 0.12             | U         | 0.068 | 0.80 |
| Tetrachloroethene             | 0.12             | U         | 0.064 | 0.80 |

cut  
5/9/14



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|----------------------------------|------------------|-----------|-------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.80             | U         | 0.80  | 2.0  |
| Dibromochloromethane             | 0.12             | U         | 0.080 | 0.80 |
| 1,2-Dibromoethane                | 0.32             | U         | 0.080 | 0.80 |
| Chlorobenzene                    | 0.12             | U         | 0.032 | 0.80 |
| Ethylbenzene                     | 0.68             | J         | 0.052 | 0.80 |
| m,p-Xylene                       | 2.1              |           | 0.092 | 2.0  |
| Xylene, o-                       | 0.78             | J         | 0.064 | 0.80 |
| Xylene (total)                   | 2.9              |           | 0.14  | 0.80 |
| Styrene                          | 0.96             |           | 0.072 | 0.80 |
| Bromoform                        | 0.12             | U         | 0.040 | 0.80 |
| Cumene                           | 0.16             | J         | 0.064 | 0.80 |
| 1,1,2,2-Tetrachloroethane        | 0.12             | U         | 0.064 | 0.80 |
| n-Propylbenzene                  | 0.32             | U         | 0.32  | 0.80 |
| 4-Ethyltoluene                   | 0.28             | J         | 0.072 | 0.80 |
| 1,3,5-Trimethylbenzene           | 0.30             | J         | 0.048 | 0.80 |
| 2-Chlorotoluene                  | 0.12             | U         | 0.052 | 0.80 |
| tert-Butylbenzene                | 0.12             | U         | 0.068 | 0.80 |
| 1,2,4-Trimethylbenzene           | 0.99             |           | 0.056 | 0.80 |
| sec-Butylbenzene                 | 0.32             | U         | 0.32  | 0.80 |
| 4-Isopropyltoluene               | 0.32             | U         | 0.32  | 0.80 |
| 1,3-Dichlorobenzene              | 4.5              |           | 0.056 | 0.80 |
| 1,4-Dichlorobenzene              | 0.12             | U         | 0.056 | 0.80 |
| Benzyl chloride                  | 0.32             | U         | 0.32  | 0.80 |
| n-Butylbenzene                   | 0.32             | U         | 0.32  | 0.80 |
| 1,2-Dichlorobenzene              | 0.12             | U         | 0.056 | 0.80 |
| 1,2,4-Trichlorobenzene           | 0.23             | J         | 0.11  | 2.0  |
| Hexachlorobutadiene              | 0.32             | U         | 0.088 | 0.80 |
| Naphthalene                      | 0.80             | U         | 0.80  | 2.0  |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.5            | J         | 0.59 | 9.9 |
| Freon 22                      | 1.9            | J         | 0.68 | 7.1 |
| 1,2-Dichlorotetrafluoroethane | 2.2            | U         | 0.98 | 5.6 |
| Chloromethane                 | 4.1            | U         | 1.1  | 4.1 |
| n-Butane                      | 13             |           | 2.7  | 4.8 |
| Vinyl chloride                | 0.82           | U         | 0.39 | 2.0 |
| 1,3-Butadiene                 | 0.71           | U         | 0.37 | 1.8 |
| Bromomethane                  | 1.2            | U         | 0.43 | 3.1 |
| Chloroethane                  | 0.84           | U         | 0.32 | 5.3 |
| Bromoethene(Vinyl Bromide)    | 1.4            | U         | 0.52 | 3.5 |
| Trichlorofluoromethane        | 3.4            | J         | 0.67 | 4.5 |
| Freon TF                      | 0.92           | U         | 0.55 | 6.1 |
| 1,1-Dichloroethene            | 1.3            | U         | 0.38 | 3.2 |
| Acetone                       | 260            |           | 12   | 48  |
| Isopropyl alcohol             | 46             | J         | 2.1  | 49  |
| Carbon disulfide              | 2.5            | U         | 0.82 | 6.2 |

cut  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.0            | U         | 0.43 | 6.3 |
| Methylene Chloride               | 2.8            | U         | 1.7  | 6.9 |
| tert-Butyl alcohol               | 21             | J         | 4.0  | 61  |
| Methyl tert-butyl ether          | 1.9            | J         | 0.32 | 2.9 |
| trans-1,2-Dichloroethene         | 1.3            | U         | 0.46 | 3.2 |
| n-Hexane                         | 2.7            | J         | 0.48 | 2.8 |
| 1,1-Dichloroethane               | 1.3            | U         | 0.62 | 3.2 |
| Methyl Ethyl Ketone              | 46             |           | 2.9  | 5.9 |
| cis-1,2-Dichloroethene           | 1.3            | U         | 0.60 | 3.2 |
| 1,2-Dichloroethene, Total        | 1.3            | U         | 1.0  | 3.2 |
| Chloroform                       | 14             |           | 0.49 | 3.9 |
| Tetrahydrofuran                  | 44             | J         | 0.54 | 59  |
| 1,1,1-Trichloroethane            | 1.7            | U         | 0.46 | 4.4 |
| Cyclohexane                      | 1.1            | U         | 0.34 | 2.8 |
| Carbon tetrachloride             | 0.68           | J         | 0.53 | 5.0 |
| 2,2,4-Trimethylpentane           | 2.5            | J         | 0.50 | 3.7 |
| Benzene                          | 1.2            | JM        | 0.24 | 2.6 |
| 1,2-Dichloroethane               | 0.49           | U         | 0.28 | 3.2 |
| n-Heptane                        | 1.3            | U         | 0.75 | 3.3 |
| Trichloroethene                  | 15             |           | 0.52 | 4.3 |
| Methyl methacrylate              | 2.2            | J         | 0.49 | 8.2 |
| 1,2-Dichloropropane              | 1.5            | U         | 0.59 | 3.7 |
| 1,4-Dioxane                      | 2.9            | U         | 2.9  | 72  |
| Bromodichloromethane             | 0.80           | U         | 0.46 | 5.4 |
| cis-1,3-Dichloropropene          | 1.5            | U         | 0.51 | 3.6 |
| methyl isobutyl ketone           | 4.3            | J         | 0.44 | 8.2 |
| Toluene                          | 17             |           | 0.26 | 3.0 |
| trans-1,3-Dichloropropene        | 1.5            | U         | 0.40 | 3.6 |
| 1,1,2-Trichloroethane            | 0.65           | U         | 0.37 | 4.4 |
| Tetrachloroethene                | 0.81           | U         | 0.43 | 5.4 |
| Methyl Butyl Ketone (2-Hexanone) | 3.3            | U         | 3.3  | 8.2 |
| Dibromochloromethane             | 1.0            | U         | 0.68 | 6.8 |
| 1,2-Dibromoethane                | 2.5            | U         | 0.61 | 6.1 |
| Chlorobenzene                    | 0.55           | U         | 0.15 | 3.7 |
| Ethylbenzene                     | 3.0            | J         | 0.23 | 3.5 |
| m,p-Xylene                       | 9.3            |           | 0.40 | 8.7 |
| Xylene, o-                       | 3.4            | J         | 0.28 | 3.5 |
| Xylene (total)                   | 13             |           | 0.59 | 3.5 |
| Styrene                          | 4.1            |           | 0.31 | 3.4 |
| Bromoform                        | 1.2            | U         | 0.41 | 8.3 |
| Cumene                           | 0.81           | J         | 0.31 | 3.9 |
| 1,1,2,2-Tetrachloroethane        | 0.82           | U         | 0.44 | 5.5 |
| n-Propylbenzene                  | 1.6            | U         | 1.6  | 3.9 |
| 4-Ethyltoluene                   | 1.4            | J         | 0.35 | 3.9 |
| 1,3,5-Trimethylbenzene           | 1.5            | J         | 0.24 | 3.9 |
| 2-Chlorotoluene                  | 0.62           | U         | 0.27 | 4.1 |

cut  
5/9/14

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CA

Lab Sample ID: 280-54595-1

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds In Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_007.d |
| Dilution:        | 4.0             |                 |           | Initial Weight/Volume: | 50 mL      |
| Analysis Date:   | 04/25/2014 1651 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1651 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.66           | U         | 0.37 | 4.4 |
| 1,2,4-Trimethylbenzene | 4.9            |           | 0.28 | 3.9 |
| sec-Butylbenzene       | 1.8            | U         | 1.8  | 4.4 |
| 4-Isopropyltoluene     | 1.8            | U         | 1.8  | 4.4 |
| 1,3-Dichlorobenzene    | 27             |           | 0.34 | 4.8 |
| 1,4-Dichlorobenzene    | 0.72           | U         | 0.34 | 4.8 |
| Benzyl chloride        | 1.7            | U         | 1.7  | 4.1 |
| n-Butylbenzene         | 1.8            | U         | 1.8  | 4.4 |
| 1,2-Dichlorobenzene    | 0.72           | U         | 0.34 | 4.8 |
| 1,2,4-Trichlorobenzene | 1.7            | J         | 0.80 | 15  |
| Hexachlorobutadiene    | 3.4            | U         | 0.94 | 8.5 |
| Naphthalene            | 4.2            | U         | 4.2  | 10  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.64             | J         | 0.075 | 1.3  |
| Freon 22                      | 0.63             | J         | 0.12  | 1.3  |
| 1,2-Dichlorotetrafluoroethane | 0.20             | U         | 0.088 | 0.50 |
| Chloromethane                 | 1.3              | U         | 0.34  | 1.3  |
| n-Butane                      | 1.3              | U         | 0.71  | 1.3  |
| Vinyl chloride                | 0.20             | U         | 0.095 | 0.50 |
| 1,3-Butadiene                 | 0.20             | U         | 0.11  | 0.50 |
| Bromomethane                  | 0.20             | U         | 0.070 | 0.50 |
| Chloroethane                  | 0.20             | U         | 0.075 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.20             | U         | 0.075 | 0.50 |
| Trichlorofluoromethane        | 0.61             |           | 0.075 | 0.50 |
| Freon TF                      | 0.075            | U         | 0.045 | 0.50 |
| 1,1-Dichloroethene            | 0.20             | U         | 0.060 | 0.50 |
| Acetone                       | 41               |           | 3.1   | 13   |
| Isopropyl alcohol             | 15               |           | 0.54  | 13   |
| Carbon disulfide              | 6.4              |           | 0.17  | 1.3  |
| 3-Chloropropene               | 0.20             | U         | 0.085 | 1.3  |
| Methylene Chloride            | 0.50             | U         | 0.31  | 1.3  |
| tert-Butyl alcohol            | 1.3              | U         | 0.82  | 13   |
| Methyl tert-butyl ether       | 0.20             | U         | 0.055 | 0.50 |
| trans-1,2-Dichloroethene      | 0.20             | U         | 0.073 | 0.50 |
| n-Hexane                      | 0.20             | U         | 0.085 | 0.50 |
| 1,1-Dichloroethane            | 0.20             | U         | 0.095 | 0.50 |
| Methyl Ethyl Ketone           | 46               |           | 0.61  | 1.3  |
| cis-1,2-Dichloroethene        | 0.20             | U         | 0.095 | 0.50 |
| 1,2-Dichloroethene, Total     | 0.20             | U         | 0.16  | 0.50 |
| Chloroform                    | 0.13             | JM        | 0.063 | 0.50 |
| Tetrahydrofuran               | 70               |           | 0.12  | 13   |
| 1,1,1-Trichloroethane         | 0.20             | U         | 0.053 | 0.50 |
| Cyclohexane                   | 0.20             | U         | 0.063 | 0.50 |
| Carbon tetrachloride          | 0.081            | J         | 0.053 | 0.50 |
| 2,2,4-Trimethylpentane        | 0.58             | M         | 0.068 | 0.50 |
| Benzene                       | 0.85             |           | 0.048 | 0.50 |
| 1,2-Dichloroethane            | 0.075            | U         | 0.043 | 0.50 |
| n-Heptane                     | 0.20             | U         | 0.12  | 0.50 |
| Trichloroethene               | 25               |           | 0.060 | 0.50 |
| Methyl methacrylate           | 0.14             | J         | 0.075 | 1.3  |
| 1,2-Dichloropropane           | 0.20             | U         | 0.080 | 0.50 |
| 1,4-Dioxane                   | 0.50             | U         | 0.50  | 13   |
| Bromodichloromethane          | 0.075            | U         | 0.043 | 0.50 |
| cis-1,3-Dichloropropene       | 0.20             | U         | 0.070 | 0.50 |
| methyl isobutyl ketone        | 1.8              |           | 0.068 | 1.3  |
| Toluene                       | 38               |           | 0.043 | 0.50 |
| trans-1,3-Dichloropropene     | 0.20             | U         | 0.055 | 0.50 |
| 1,1,2-Trichloroethane         | 0.075            | U         | 0.043 | 0.50 |
| Tetrachloroethene             | 0.59             | M         | 0.040 | 0.50 |

cut  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|----------------------------------|------------------|-----------|-------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.50             | U         | 0.50  | 1.3  |
| Dibromochloromethane             | 0.075            | U         | 0.050 | 0.50 |
| 1,2-Dibromoethane                | 0.20             | U         | 0.050 | 0.50 |
| Chlorobenzene                    | 0.075            | U         | 0.020 | 0.50 |
| Ethylbenzene                     | 44               |           | 0.033 | 0.50 |
| m,p-Xylene                       | 150              |           | 0.058 | 1.3  |
| Xylene, o-                       | 51               |           | 0.040 | 0.50 |
| Xylene (total)                   | 200              |           | 0.085 | 0.50 |
| Styrene                          | 0.075            | U         | 0.045 | 0.50 |
| Bromoform                        | 0.075            | U         | 0.025 | 0.50 |
| Cumene                           | 0.075            | U         | 0.040 | 0.50 |
| 1,1,2,2-Tetrachloroethane        | 0.075            | U         | 0.040 | 0.50 |
| n-Propylbenzene                  | 0.20             | U         | 0.20  | 0.50 |
| 4-Ethyltoluene                   | 1.8              |           | 0.045 | 0.50 |
| 1,3,5-Trimethylbenzene           | 2.2              |           | 0.030 | 0.50 |
| 2-Chlorotoluene                  | 0.075            | U         | 0.033 | 0.50 |
| tert-Butylbenzene                | 0.075            | U         | 0.043 | 0.50 |
| 1,2,4-Trimethylbenzene           | 4.8              |           | 0.035 | 0.50 |
| sec-Butylbenzene                 | 0.20             | U         | 0.20  | 0.50 |
| 4-Isopropyltoluene               | 0.41             | J         | 0.20  | 0.50 |
| 1,3-Dichlorobenzene              | 1.3              |           | 0.035 | 0.50 |
| 1,4-Dichlorobenzene              | 0.075            | U         | 0.035 | 0.50 |
| Benzyl chloride                  | 0.20             | U         | 0.20  | 0.50 |
| n-Butylbenzene                   | 0.20             | U         | 0.20  | 0.50 |
| 1,2-Dichlorobenzene              | 0.075            | U         | 0.035 | 0.50 |
| 1,2,4-Trichlorobenzene           | 0.20             | U         | 0.068 | 1.3  |
| Hexachlorobutadiene              | 0.20             | U         | 0.055 | 0.50 |
| Naphthalene                      | 0.50             | U         | 0.50  | 1.3  |

| Analyte                       | Result (ug/m3) | Qualifier | DL   | LOQ |
|-------------------------------|----------------|-----------|------|-----|
| Dichlorodifluoromethane       | 3.1            | J         | 0.37 | 6.2 |
| Freon 22                      | 2.2            | J         | 0.42 | 4.4 |
| 1,2-Dichlorotetrafluoroethane | 1.4            | U         | 0.61 | 3.5 |
| Chloromethane                 | 2.6            | U         | 0.70 | 2.6 |
| n-Butane                      | 3.0            | U         | 1.7  | 3.0 |
| Vinyl chloride                | 0.51           | U         | 0.24 | 1.3 |
| 1,3-Butadiene                 | 0.44           | U         | 0.23 | 1.1 |
| Bromomethane                  | 0.78           | U         | 0.27 | 1.9 |
| Chloroethane                  | 0.53           | U         | 0.20 | 3.3 |
| Bromoethene(Vinyl Bromide)    | 0.87           | U         | 0.33 | 2.2 |
| Trichlorofluoromethane        | 3.4            |           | 0.42 | 2.8 |
| Freon TF                      | 0.57           | U         | 0.34 | 3.8 |
| 1,1-Dichloroethene            | 0.79           | U         | 0.24 | 2.0 |
| Acetone                       | 98             |           | 7.4  | 30  |
| Isopropyl alcohol             | 38             |           | 1.3  | 31  |
| Carbon disulfide              | 20             |           | 0.51 | 3.9 |

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ |
|----------------------------------|----------------|-----------|-------|-----|
| 3-Chloropropene                  | 0.63           | U         | 0.27  | 3.9 |
| Methylene Chloride               | 1.7            | U         | 1.1   | 4.3 |
| tert-Butyl alcohol               | 3.8            | U         | 2.5   | 38  |
| Methyl tert-butyl ether          | 0.72           | U         | 0.20  | 1.8 |
| trans-1,2-Dichloroethene         | 0.79           | U         | 0.29  | 2.0 |
| n-Hexane                         | 0.70           | U         | 0.30  | 1.8 |
| 1,1-Dichloroethane               | 0.81           | U         | 0.38  | 2.0 |
| Methyl Ethyl Ketone              | 140            |           | 1.8   | 3.7 |
| cis-1,2-Dichloroethene           | 0.79           | U         | 0.38  | 2.0 |
| 1,2-Dichloroethene, Total        | 0.79           | U         | 0.63  | 2.0 |
| Chloroform                       | 0.65           | JM        | 0.31  | 2.4 |
| Tetrahydrofuran                  | 210            |           | 0.34  | 37  |
| 1,1,1-Trichloroethane            | 1.1            | U         | 0.29  | 2.7 |
| Cyclohexane                      | 0.69           | U         | 0.22  | 1.7 |
| Carbon tetrachloride             | 0.51           | J         | 0.33  | 3.1 |
| 2,2,4-Trimethylpentane           | 2.7            | M         | 0.32  | 2.3 |
| Benzene                          | 2.7            |           | 0.15  | 1.6 |
| 1,2-Dichloroethane               | 0.30           | U         | 0.17  | 2.0 |
| n-Heptane                        | 0.82           | U         | 0.47  | 2.0 |
| Trichloroethene                  | 130            |           | 0.32  | 2.7 |
| Methyl methacrylate              | 0.55           | J         | 0.31  | 5.1 |
| 1,2-Dichloropropane              | 0.92           | U         | 0.37  | 2.3 |
| 1,4-Dioxane                      | 1.8            | U         | 1.8   | 45  |
| Bromodichloromethane             | 0.50           | U         | 0.28  | 3.4 |
| cis-1,3-Dichloropropene          | 0.91           | U         | 0.32  | 2.3 |
| methyl isobutyl ketone           | 7.4            |           | 0.28  | 5.1 |
| Toluene                          | 140            |           | 0.16  | 1.9 |
| trans-1,3-Dichloropropene        | 0.91           | U         | 0.25  | 2.3 |
| 1,1,2-Trichloroethane            | 0.41           | U         | 0.23  | 2.7 |
| Tetrachloroethene                | 4.0            | M         | 0.27  | 3.4 |
| Methyl Butyl Ketone (2-Hexanone) | 2.0            | U         | 2.0   | 5.1 |
| Dibromochloromethane             | 0.64           | U         | 0.43  | 4.3 |
| 1,2-Dibromoethane                | 1.5            | U         | 0.38  | 3.8 |
| Chlorobenzene                    | 0.35           | U         | 0.093 | 2.3 |
| Ethylbenzene                     | 190            |           | 0.14  | 2.2 |
| m,p-Xylene                       | 640            |           | 0.25  | 5.4 |
| Xylene, o-                       | 220            |           | 0.17  | 2.2 |
| Xylene (total)                   | 870            |           | 0.37  | 2.2 |
| Styrene                          | 0.32           | U         | 0.19  | 2.1 |
| Bromoform                        | 0.78           | U         | 0.26  | 5.2 |
| Cumene                           | 0.37           | U         | 0.20  | 2.5 |
| 1,1,2,2-Tetrachloroethane        | 0.51           | U         | 0.27  | 3.4 |
| n-Propylbenzene                  | 0.98           | U         | 0.98  | 2.5 |
| 4-Ethyltoluene                   | 8.8            |           | 0.22  | 2.5 |
| 1,3,5-Trimethylbenzene           | 11             |           | 0.15  | 2.5 |
| 2-Chlorotoluene                  | 0.39           | U         | 0.17  | 2.6 |

cut  
5/9/14

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0201CA

Lab Sample ID: 280-54595-2

Date Sampled: 04/16/2014 1045

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.I      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_008.d |
| Dilution:        | 2.5             |                 |           | Initial Weight/Volume: | 80 mL      |
| Analysis Date:   | 04/25/2014 1740 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1740 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.41           | U         | 0.23 | 2.7 |
| 1,2,4-Trimethylbenzene | 24             |           | 0.17 | 2.5 |
| sec-Butylbenzene       | 1.1            | U         | 1.1  | 2.7 |
| 4-Isopropyltoluene     | 2.3            | J         | 1.1  | 2.7 |
| 1,3-Dichlorobenzene    | 8.0            |           | 0.21 | 3.0 |
| 1,4-Dichlorobenzene    | 0.45           | U         | 0.21 | 3.0 |
| Benzyl chloride        | 1.0            | U         | 1.0  | 2.6 |
| n-Butylbenzene         | 1.1            | U         | 1.1  | 2.7 |
| 1,2-Dichlorobenzene    | 0.45           | U         | 0.21 | 3.0 |
| 1,2,4-Trichlorobenzene | 1.5            | U         | 0.50 | 9.3 |
| Hexachlorobutadiene    | 2.1            | U         | 0.59 | 5.3 |
| Naphthalene            | 2.6            | U         | 2.6  | 6.6 |

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL   | LOQ |
|-------------------------------|------------------|-----------|------|-----|
| Dichlorodifluoromethane       | 1.2              | U         | 0.46 | 7.6 |
| Freon 22                      | 1.2              | U         | 0.73 | 7.6 |
| 1,2-Dichlorotetrafluoroethane | 1.2              | U         | 0.53 | 3.0 |
| Chloromethane                 | 7.6              | U         | 2.1  | 7.6 |
| n-Butane                      | 7.6              | U         | 4.3  | 7.6 |
| Vinyl chloride                | 1.2              | U         | 0.58 | 3.0 |
| 1,3-Butadiene                 | 1.2              | U         | 0.64 | 3.0 |
| Bromomethane                  | 1.2              | U         | 0.43 | 3.0 |
| Chloroethane                  | 1.2              | U         | 0.46 | 7.6 |
| Bromoethene(Vinyl Bromide)    | 1.2              | U         | 0.46 | 3.0 |
| Trichlorofluoromethane        | 0.61             | J         | 0.46 | 3.0 |
| Freon TF                      | 0.46             | U         | 0.27 | 3.0 |
| 1,1-Dichloroethene            | 1.2              | U         | 0.36 | 3.0 |
| Acetone                       | 130              | J         | 19   | 76  |
| Isopropyl alcohol             | 8.9              | J         | 3.3  | 76  |
| Carbon disulfide              | 3.0              | U         | 1.0  | 7.6 |
| 3-Chloropropene               | 1.2              | U         | 0.52 | 7.6 |
| Methylene Chloride            | 3.0              | U         | 1.9  | 7.6 |
| tert-Butyl alcohol            | 7.6              | U         | 5.0  | 76  |
| Methyl tert-butyl ether       | 1.2              | U         | 0.33 | 3.0 |
| trans-1,2-Dichloroethene      | 1.2              | U         | 0.44 | 3.0 |
| n-Hexane                      | 1.2              | U         | 0.52 | 3.0 |
| 1,1-Dichloroethane            | 1.2              | U         | 0.58 | 3.0 |
| Methyl Ethyl Ketone           | 180              | J         | 3.7  | 7.6 |
| cis-1,2-Dichloroethene        | 1.2              | U         | 0.58 | 3.0 |
| 1,2-Dichloroethene, Total     | 1.2              | U         | 0.97 | 3.0 |
| Chloroform                    | 1.2              | U         | 0.38 | 3.0 |
| Tetrahydrofuran               | 440              | J         | 0.70 | 76  |
| 1,1,1-Trichloroethane         | 1.2              | U         | 0.32 | 3.0 |
| Cyclohexane                   | 1.2              | U         | 0.38 | 3.0 |
| Carbon tetrachloride          | 1.2              | U         | 0.32 | 3.0 |
| 2,2,4-Trimethylpentane        | 1.2              | U         | 0.41 | 3.0 |
| Benzene                       | 0.46             | U         | 0.29 | 3.0 |
| 1,2-Dichloroethane            | 0.46             | U         | 0.26 | 3.0 |
| n-Heptane                     | 1.2              | U         | 0.70 | 3.0 |
| Trichloroethene               | 9.3              | J         | 0.36 | 3.0 |
| Methyl methacrylate           | 1.2              | U         | 0.46 | 7.6 |
| 1,2-Dichloropropane           | 1.2              | U         | 0.49 | 3.0 |
| 1,4-Dioxane                   | 3.0              | U         | 3.0  | 76  |
| Bromodichloromethane          | 0.46             | U         | 0.26 | 3.0 |
| cis-1,3-Dichloropropene       | 1.2              | U         | 0.43 | 3.0 |
| methyl isobutyl ketone        | 56               | J         | 0.41 | 7.6 |
| Toluene                       | 130              | J         | 0.26 | 3.0 |
| trans-1,3-Dichloropropene     | 1.2              | U         | 0.33 | 3.0 |
| 1,1,2-Trichloroethane         | 0.46             | U         | 0.26 | 3.0 |
| Tetrachloroethene             | 4.2              | J         | 0.24 | 3.0 |

all  
5/9/14



## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier      | DL   | LOQ |
|----------------------------------|------------------|----------------|------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 3.0              | U              | 3.0  | 7.6 |
| Dibromochloromethane             | 0.46             | U              | 0.30 | 3.0 |
| 1,2-Dibromoethane                | 1.2              | U              | 0.30 | 3.0 |
| Chlorobenzene                    | 0.46             | U              | 0.12 | 3.0 |
| Ethylbenzene                     | 2.3              | J <del>P</del> | 0.20 | 3.0 |
| m,p-Xylene                       | 7.5              | J <del>P</del> | 0.35 | 7.6 |
| Xylene, o-                       | 2.3              | J <del>P</del> | 0.24 | 3.0 |
| Xylene (total)                   | 9.8              |                | 0.52 | 3.0 |
| Styrene                          | 0.46             | U              | 0.27 | 3.0 |
| Bromoform                        | 0.46             | U              | 0.15 | 3.0 |
| Cumene                           | 0.46             | U              | 0.24 | 3.0 |
| 1,1,2,2-Tetrachloroethane        | 0.46             | U              | 0.24 | 3.0 |
| n-Propylbenzene                  | 1.2              | U              | 1.2  | 3.0 |
| 4-Ethyltoluene                   | 0.46             | U              | 0.27 | 3.0 |
| 1,3,5-Trimethylbenzene           | 0.46             | U              | 0.18 | 3.0 |
| 2-Chlorotoluene                  | 0.46             | U              | 0.20 | 3.0 |
| tert-Butylbenzene                | 0.46             | U              | 0.26 | 3.0 |
| 1,2,4-Trimethylbenzene           | 0.22             | J <del>P</del> | 0.21 | 3.0 |
| sec-Butylbenzene                 | 1.2              | U              | 1.2  | 3.0 |
| 4-Isopropyltoluene               | 1.2              | U              | 1.2  | 3.0 |
| 1,3-Dichlorobenzene              | 0.32             | J <del>P</del> | 0.21 | 3.0 |
| 1,4-Dichlorobenzene              | 0.46             | U              | 0.21 | 3.0 |
| Benzyl chloride                  | 1.2              | U              | 1.2  | 3.0 |
| n-Butylbenzene                   | 1.2              | U              | 1.2  | 3.0 |
| 1,2-Dichlorobenzene              | 0.46             | U              | 0.21 | 3.0 |
| 1,2,4-Trichlorobenzene           | 1.2              | U              | 0.41 | 7.6 |
| Hexachlorobutadiene              | 1.2              | U              | 0.33 | 3.0 |
| Naphthalene                      | 3.0              | U              | 3.0  | 7.6 |

| Analyte                       | Result (ug/m3) | Qualifier      | DL  | LOQ |
|-------------------------------|----------------|----------------|-----|-----|
| Dichlorodifluoromethane       | 6.0            | U              | 2.3 | 38  |
| Freon 22                      | 4.3            | U              | 2.6 | 27  |
| 1,2-Dichlorotetrafluoroethane | 8.5            | U              | 3.7 | 21  |
| Chloromethane                 | 16             | U              | 4.3 | 16  |
| n-Butane                      | 18             | U              | 10  | 18  |
| Vinyl chloride                | 3.1            | U              | 1.5 | 7.8 |
| 1,3-Butadiene                 | 2.7            | U              | 1.4 | 6.7 |
| Bromomethane                  | 4.7            | U              | 1.7 | 12  |
| Chloroethane                  | 3.2            | U              | 1.2 | 20  |
| Bromoethene(Vinyl Bromide)    | 5.3            | U              | 2.0 | 13  |
| Trichlorofluoromethane        | 3.4            | J <del>P</del> | 2.6 | 17  |
| Freon TF                      | 3.5            | U              | 2.1 | 23  |
| 1,1-Dichloroethene            | 4.8            | U              | 1.4 | 12  |
| Acetone                       | 310            | J <del>P</del> | 45  | 180 |
| Isopropyl alcohol             | 22             | J <del>P</del> | 8.0 | 190 |
| Carbon disulfide              | 9.5            | U              | 3.1 | 24  |

end  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier    | DL   | LOQ |
|----------------------------------|----------------|--------------|------|-----|
| 3-Chloropropene                  | 3.8            | U            | 1.6  | 24  |
| Methylene Chloride               | 11             | U            | 6.6  | 26  |
| tert-Butyl alcohol               | 23             | U            | 15   | 230 |
| Methyl tert-butyl ether          | 4.4            | U            | 1.2  | 11  |
| trans-1,2-Dichloroethene         | 4.8            | U            | 1.7  | 12  |
| n-Hexane                         | 4.3            | U            | 1.8  | 11  |
| 1,1-Dichloroethane               | 4.9            | U            | 2.3  | 12  |
| Methyl Ethyl Ketone              | 540            | <del>U</del> | 11   | 22  |
| cis-1,2-Dichloroethene           | 4.8            | U            | 2.3  | 12  |
| 1,2-Dichloroethene, Total        | 4.8            | U            | 3.9  | 12  |
| Chloroform                       | 5.9            | U            | 1.9  | 15  |
| Tetrahydrofuran                  | 1300           | <del>U</del> | 2.1  | 220 |
| 1,1,1-Trichloroethane            | 6.6            | U            | 1.7  | 17  |
| Cyclohexane                      | 4.2            | U            | 1.3  | 10  |
| Carbon tetrachloride             | 7.6            | U            | 2.0  | 19  |
| 2,2,4-Trimethylpentane           | 5.7            | U            | 1.9  | 14  |
| Benzene                          | 1.5            | U            | 0.92 | 9.7 |
| 1,2-Dichloroethane               | 1.8            | U            | 1.0  | 12  |
| n-Heptane                        | 5.0            | U            | 2.9  | 12  |
| Trichloroethene                  | 50             | <del>U</del> | 2.0  | 16  |
| Methyl methacrylate              | 5.0            | U            | 1.9  | 31  |
| 1,2-Dichloropropane              | 5.6            | U            | 2.2  | 14  |
| 1,4-Dioxane                      | 11             | U            | 11   | 270 |
| Bromodichloromethane             | 3.1            | U            | 1.7  | 20  |
| cis-1,3-Dichloropropene          | 5.5            | U            | 1.9  | 14  |
| methyl isobutyl ketone           | 230            | <del>U</del> | 1.7  | 31  |
| Toluene                          | 500            | <del>U</del> | 0.97 | 11  |
| trans-1,3-Dichloropropene        | 5.5            | U            | 1.5  | 14  |
| 1,1,2-Trichloroethane            | 2.5            | U            | 1.4  | 17  |
| Tetrachloroethene                | 29             | <del>U</del> | 1.6  | 21  |
| Methyl Butyl Ketone (2-Hexanone) | 12             | U            | 12   | 31  |
| Dibromochloromethane             | 3.9            | U            | 2.6  | 26  |
| 1,2-Dibromoethane                | 9.3            | U            | 2.3  | 23  |
| Chlorobenzene                    | 2.1            | U            | 0.57 | 14  |
| Ethylbenzene                     | 9.9            | <del>U</del> | 0.86 | 13  |
| m,p-Xylene                       | 33             | <del>U</del> | 1.5  | 33  |
| Xylene, o-                       | 10             | <del>U</del> | 1.1  | 13  |
| Xylene (total)                   | 43             | <del>U</del> | 2.2  | 13  |
| Styrene                          | 1.9            | U            | 1.2  | 13  |
| Bromoform                        | 4.7            | U            | 1.6  | 31  |
| Cumene                           | 2.2            | U            | 1.2  | 15  |
| 1,1,2,2-Tetrachloroethane        | 3.1            | U            | 1.7  | 21  |
| n-Propylbenzene                  | 6.0            | U            | 6.0  | 15  |
| 4-Ethyltoluene                   | 2.2            | U            | 1.3  | 15  |
| 1,3,5-Trimethylbenzene           | 2.2            | U            | 0.90 | 15  |
| 2-Chlorotoluene                  | 2.4            | U            | 1.0  | 16  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0301CA

Lab Sample ID: 280-54595-3

Date Sampled: 04/16/2014 1040

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_009.d |
| Dilution:        | 15.2            |                 |           | Initial Weight/Volume: | 27 mL      |
| Analysis Date:   | 04/25/2014 1828 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1828 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier      | DL  | LOQ |
|------------------------|----------------|----------------|-----|-----|
| tert-Butylbenzene      | 2.5            | U              | 1.4 | 17  |
| 1,2,4-Trimethylbenzene | 1.1            | J <del>P</del> | 1.0 | 15  |
| sec-Butylbenzene       | 6.7            | U              | 6.7 | 17  |
| 4-Isopropyltoluene     | 6.7            | U              | 6.7 | 17  |
| 1,3-Dichlorobenzene    | 1.9            | J <del>P</del> | 1.3 | 18  |
| 1,4-Dichlorobenzene    | 2.7            | U              | 1.3 | 18  |
| Benzyl chloride        | 6.3            | U              | 6.3 | 16  |
| n-Butylbenzene         | 6.7            | U              | 6.7 | 17  |
| 1,2-Dichlorobenzene    | 2.7            | U              | 1.3 | 18  |
| 1,2,4-Trichlorobenzene | 9.0            | U              | 3.0 | 56  |
| Hexachlorobutadiene    | 13             | U              | 3.6 | 32  |
| Naphthalene            | 16             | U              | 16  | 40  |

*alt  
5/9/14*

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier        | DL    | LOQ |
|-------------------------------|------------------|------------------|-------|-----|
| Dichlorodifluoromethane       | 0.74             | J <del>Ø</del>   | 0.15  | 2.5 |
| Freon 22                      | 0.54             | J <del>Ø</del> M | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U                | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U                | 0.68  | 2.5 |
| n-Butane                      | 5.7              | <del>Ø</del>     | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U                | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U                | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U                | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U                | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U                | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.64             | J <del>Ø</del> M | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U                | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U                | 0.12  | 1.0 |
| Acetone                       | 120              | <del>Ø</del>     | 6.3   | 25  |
| Isopropyl alcohol             | 17               | J <del>Ø</del>   | 1.1   | 25  |
| Carbon disulfide              | 0.40             | J <del>Ø</del>   | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U                | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U                | 0.63  | 2.5 |
| tert-Butyl alcohol            | 5.5              | J <del>Ø</del>   | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.47             | J <del>Ø</del>   | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U                | 0.15  | 1.0 |
| n-Hexane                      | 0.60             | J <del>Ø</del>   | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U                | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 16               | <del>Ø</del>     | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U                | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U                | 0.32  | 1.0 |
| Chloroform                    | 3.0              | <del>Ø</del>     | 0.13  | 1.0 |
| Tetrahydrofuran               | 17               | J <del>Ø</del>   | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U                | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U                | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U                | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 0.43             | J <del>Ø</del>   | 0.14  | 1.0 |
| Benzene                       | 0.39             | J <del>Ø</del> M | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U                | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U                | 0.23  | 1.0 |
| Trichloroethene               | 3.4              | <del>Ø</del>     | 0.12  | 1.0 |
| Methyl methacrylate           | 0.46             | J <del>Ø</del>   | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U                | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U                | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U                | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U                | 0.14  | 1.0 |
| methyl isobutyl ketone        | 1.3              | J <del>Ø</del>   | 0.14  | 2.5 |
| Toluene                       | 4.4              | <del>Ø</del>     | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U                | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U                | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U                | 0.080 | 1.0 |

CHW  
5/11/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier                   | DL    | LOQ |
|----------------------------------|------------------|-----------------------------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U                           | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U                           | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U                           | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U                           | 0.041 | 1.0 |
| Ethylbenzene                     | 0.64             | J <del>U</del>              | 0.065 | 1.0 |
| m,p-Xylene                       | 2.1              | J <del>U</del>              | 0.12  | 2.5 |
| Xylene, o-                       | 0.71             | J <del>U</del> <del>M</del> | 0.080 | 1.0 |
| Xylene (total)                   | 2.8              |                             | 0.17  | 1.0 |
| Styrene                          | 0.81             | J <del>U</del>              | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U                           | 0.050 | 1.0 |
| Cumene                           | 0.13             | J <del>U</del>              | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U                           | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U                           | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.31             | J <del>U</del>              | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.29             | J <del>U</del>              | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U                           | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U                           | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.94             | J <del>U</del>              | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U                           | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U                           | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 4.3              | <del>U</del>                | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U                           | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U                           | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U                           | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U                           | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U                           | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U                           | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U                           | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier                   | DL   | LOQ |
|-------------------------------|----------------|-----------------------------|------|-----|
| Dichlorodifluoromethane       | 3.7            | J <del>U</del>              | 0.74 | 12  |
| Freon 22                      | 1.9            | J <del>U</del> <del>M</del> | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U                           | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U                           | 1.4  | 5.2 |
| n-Butane                      | 13             | <del>U</del>                | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U                           | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U                           | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U                           | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U                           | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U                           | 0.66 | 4.4 |
| Trichlorofluoromethane        | 3.6            | J <del>U</del> <del>M</del> | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U                           | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U                           | 0.48 | 4.0 |
| Acetone                       | 280            | <del>U</del>                | 15   | 59  |
| Isopropyl alcohol             | 43             | J <del>U</del>              | 2.6  | 61  |
| Carbon disulfide              | 1.3            | J <del>U</del>              | 1.0  | 7.8 |

old  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 17             | JP        | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.7            | JP        | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 2.1            | Jd        | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 48             | J         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 14             | J         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 49             | JP        | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 2.0            | JP        | 0.63 | 4.7 |
| Benzene                          | 1.2            | JPM       | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.6            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 18             | J         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.9            | JP        | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 5.2            | JP        | 0.55 | 10  |
| Toluene                          | 17             | J         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.8            | JP        | 0.28 | 4.3 |
| m,p-Xylene                       | 9.1            | JP        | 0.50 | 11  |
| Xylene, o-                       | 3.1            | JPM       | 0.35 | 4.3 |
| Xylene (total)                   | 12             |           | 0.74 | 4.3 |
| Styrene                          | 3.4            | JP        | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.64           | JP        | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 1.5            | JP        | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.4            | JP        | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

CHW  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101VMP0101CC

Lab Sample ID: 280-54595-4

Date Sampled: 04/16/2014 1050

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_010.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 1916 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 1916 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier      | DL   | LOQ |
|------------------------|----------------|----------------|------|-----|
| tert-Butylbenzene      | 0.82           | U              | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 4.6            | J <del>U</del> | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U              | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U              | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 26             | <del>U</del>   | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U              | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U              | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U              | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U              | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U              | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U              | 1.2  | 11  |
| Naphthalene            | 5.2            | U              | 5.2  | 13  |

CHW  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier        | DL    | LOQ |
|-------------------------------|------------------|------------------|-------|-----|
| Dichlorodifluoromethane       | 0.70             | J <del>U</del>   | 0.15  | 2.5 |
| Freon 22                      | 0.43             | J <del>U</del> M | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U                | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U                | 0.68  | 2.5 |
| n-Butane                      | 8.5              | <del>U</del>     | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U                | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U                | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U                | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U                | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U                | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.66             | J <del>U</del>   | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U                | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U                | 0.12  | 1.0 |
| Acetone                       | 130              | <del>U</del>     | 6.3   | 25  |
| Isopropyl alcohol             | 73               | <del>U</del>     | 1.1   | 25  |
| Carbon disulfide              | 1.0              | U                | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U                | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U                | 0.63  | 2.5 |
| tert-Butyl alcohol            | 2.5              | U                | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.40             | U                | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U                | 0.15  | 1.0 |
| n-Hexane                      | 0.78             | J <del>U</del>   | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U                | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 6.0              | <del>U</del>     | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U                | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U                | 0.32  | 1.0 |
| Chloroform                    | 0.40             | U                | 0.13  | 1.0 |
| Tetrahydrofuran               | 0.40             | U                | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U                | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U                | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U                | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 1.3              | <del>U</del>     | 0.14  | 1.0 |
| Benzene                       | 0.39             | J <del>U</del>   | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U                | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U                | 0.23  | 1.0 |
| Trichloroethene               | 0.40             | U                | 0.12  | 1.0 |
| Methyl methacrylate           | 0.40             | U                | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U                | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U                | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U                | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U                | 0.14  | 1.0 |
| methyl isobutyl ketone        | 0.64             | J <del>U</del>   | 0.14  | 2.5 |
| Toluene                       | 9.7              | <del>U</del>     | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U                | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U                | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U                | 0.080 | 1.0 |

mt  
5/9/14



## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier      | DL    | LOQ |
|----------------------------------|------------------|----------------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U              | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U              | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U              | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U              | 0.041 | 1.0 |
| Ethylbenzene                     | 0.46             | J <del>Ø</del> | 0.065 | 1.0 |
| m,p-Xylene                       | 1.7              | J <del>Ø</del> | 0.12  | 2.5 |
| Xylene, o-                       | 0.57             | J <del>Ø</del> | 0.080 | 1.0 |
| Xylene (total)                   | 2.3              |                | 0.17  | 1.0 |
| Styrene                          | 0.15             | U              | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U              | 0.050 | 1.0 |
| Cumene                           | 0.15             | U              | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U              | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U              | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.16             | J <del>Ø</del> | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.26             | J <del>Ø</del> | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U              | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U              | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.71             | J <del>Ø</del> | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U              | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U              | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U              | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U              | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U              | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U              | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U              | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier        | DL   | LOQ |
|-------------------------------|----------------|------------------|------|-----|
| Dichlorodifluoromethane       | 3.5            | J <del>Ø</del>   | 0.74 | 12  |
| Freon 22                      | 1.5            | J <del>Ø</del> M | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U                | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U                | 1.4  | 5.2 |
| n-Butane                      | 20             | <del>Ø</del>     | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U                | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U                | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U                | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U                | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U                | 0.66 | 4.4 |
| Trichlorofluoromethane        | 3.7            | J <del>Ø</del>   | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U                | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U                | 0.48 | 4.0 |
| Acetone                       | 300            | <del>Ø</del>     | 15   | 59  |
| Isopropyl alcohol             | 180            | <del>Ø</del>     | 2.6  | 61  |
| Carbon disulfide              | 3.1            | U                | 1.0  | 7.8 |

Curd  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Date Sampled: 04/15/2014 1440

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 7.6            | U         | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.4            | U         | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 2.8            | J         | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 18             | J         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 2.0            | U         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 1.2            | U         | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 5.9            | J         | 0.63 | 4.7 |
| Benzene                          | 1.2            | J         | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.6            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 2.1            | U         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.6            | U         | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 2.6            | J         | 0.55 | 10  |
| Toluene                          | 36             | J         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.0            | J         | 0.28 | 4.3 |
| m,p-Xylene                       | 7.2            | J         | 0.50 | 11  |
| Xylene, o-                       | 2.5            | J         | 0.35 | 4.3 |
| Xylene (total)                   | 9.9            | U         | 0.74 | 4.3 |
| Styrene                          | 0.64           | U         | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.74           | U         | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 0.80           | J         | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.3            | J         | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

ded  
5/1/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0305CA

Lab Sample ID: 280-54595-5

Client Matrix: Air

Date Sampled: 04/15/2014 1440

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds In Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_011.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2005 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2005 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL   | LOQ |
|------------------------|----------------|-----------|------|-----|
| tert-Butylbenzene      | 0.82           | U         | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 3.5            | J         | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U         | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U         | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U         | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U         | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U         | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U         | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U         | 1.2  | 11  |
| Naphthalene            | 5.2            | U         | 5.2  | 13  |

CHW  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1011A0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier      | DL    | LOQ |
|-------------------------------|------------------|----------------|-------|-----|
| Dichlorodifluoromethane       | 0.80             | J <del>P</del> | 0.15  | 2.5 |
| Freon 22                      | 0.56             | J <del>P</del> | 0.24  | 2.5 |
| 1,2-Dichlorotetrafluoroethane | 0.40             | U              | 0.18  | 1.0 |
| Chloromethane                 | 2.5              | U              | 0.68  | 2.5 |
| n-Butane                      | 9.3              | <del>P</del>   | 1.4   | 2.5 |
| Vinyl chloride                | 0.40             | U              | 0.19  | 1.0 |
| 1,3-Butadiene                 | 0.40             | U              | 0.21  | 1.0 |
| Bromomethane                  | 0.40             | U              | 0.14  | 1.0 |
| Chloroethane                  | 0.40             | U              | 0.15  | 2.5 |
| Bromoethene(Vinyl Bromide)    | 0.40             | U              | 0.15  | 1.0 |
| Trichlorofluoromethane        | 0.77             | J <del>P</del> | 0.15  | 1.0 |
| Freon TF                      | 0.15             | U              | 0.090 | 1.0 |
| 1,1-Dichloroethene            | 0.40             | U              | 0.12  | 1.0 |
| Acetone                       | 140              | <del>P</del>   | 6.3   | 25  |
| Isopropyl alcohol             | 76               | <del>P</del>   | 1.1   | 25  |
| Carbon disulfide              | 1.0              | U              | 0.33  | 2.5 |
| 3-Chloropropene               | 0.40             | U              | 0.17  | 2.5 |
| Methylene Chloride            | 1.0              | U              | 0.63  | 2.5 |
| tert-Butyl alcohol            | 2.5              | U              | 1.6   | 25  |
| Methyl tert-butyl ether       | 0.40             | U              | 0.11  | 1.0 |
| trans-1,2-Dichloroethene      | 0.40             | U              | 0.15  | 1.0 |
| n-Hexane                      | 0.84             | J <del>P</del> | 0.17  | 1.0 |
| 1,1-Dichloroethane            | 0.40             | U              | 0.19  | 1.0 |
| Methyl Ethyl Ketone           | 6.9              | <del>P</del>   | 1.2   | 2.5 |
| cis-1,2-Dichloroethene        | 0.40             | U              | 0.19  | 1.0 |
| 1,2-Dichloroethene, Total     | 0.40             | U              | 0.32  | 1.0 |
| Chloroform                    | 0.40             | U              | 0.13  | 1.0 |
| Tetrahydrofuran               | 0.40             | U              | 0.23  | 25  |
| 1,1,1-Trichloroethane         | 0.40             | U              | 0.11  | 1.0 |
| Cyclohexane                   | 0.40             | U              | 0.13  | 1.0 |
| Carbon tetrachloride          | 0.40             | U              | 0.11  | 1.0 |
| 2,2,4-Trimethylpentane        | 1.5              | <del>P</del>   | 0.14  | 1.0 |
| Benzene                       | 0.38             | J <del>P</del> | 0.095 | 1.0 |
| 1,2-Dichloroethane            | 0.15             | U              | 0.085 | 1.0 |
| n-Heptane                     | 0.40             | U              | 0.23  | 1.0 |
| Trichloroethene               | 0.40             | U              | 0.12  | 1.0 |
| Methyl methacrylate           | 0.40             | U              | 0.15  | 2.5 |
| 1,2-Dichloropropane           | 0.40             | U              | 0.16  | 1.0 |
| 1,4-Dioxane                   | 1.0              | U              | 1.0   | 25  |
| Bromodichloromethane          | 0.15             | U              | 0.085 | 1.0 |
| cis-1,3-Dichloropropene       | 0.40             | U              | 0.14  | 1.0 |
| methyl isobutyl ketone        | 1.2              | J <del>P</del> | 0.14  | 2.5 |
| Toluene                       | 11               | <del>P</del>   | 0.085 | 1.0 |
| trans-1,3-Dichloropropene     | 0.40             | U              | 0.11  | 1.0 |
| 1,1,2-Trichloroethane         | 0.15             | U              | 0.085 | 1.0 |
| Tetrachloroethene             | 0.15             | U              | 0.080 | 1.0 |

cut  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101IA0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier      | DL    | LOQ |
|----------------------------------|------------------|----------------|-------|-----|
| Methyl Butyl Ketone (2-Hexanone) | 1.0              | U              | 1.0   | 2.5 |
| Dibromochloromethane             | 0.15             | U              | 0.10  | 1.0 |
| 1,2-Dibromoethane                | 0.40             | U              | 0.10  | 1.0 |
| Chlorobenzene                    | 0.15             | U              | 0.041 | 1.0 |
| Ethylbenzene                     | 0.55             | J <del>U</del> | 0.065 | 1.0 |
| m,p-Xylene                       | 2.1              | J <del>U</del> | 0.12  | 2.5 |
| Xylene, o-                       | 0.71             | J <del>U</del> | 0.080 | 1.0 |
| Xylene (total)                   | 2.8              |                | 0.17  | 1.0 |
| Styrene                          | 0.15             | U              | 0.090 | 1.0 |
| Bromoform                        | 0.15             | U              | 0.050 | 1.0 |
| Cumene                           | 0.15             | U              | 0.080 | 1.0 |
| 1,1,2,2-Tetrachloroethane        | 0.15             | U              | 0.080 | 1.0 |
| n-Propylbenzene                  | 0.40             | U              | 0.40  | 1.0 |
| 4-Ethyltoluene                   | 0.28             | J <del>U</del> | 0.090 | 1.0 |
| 1,3,5-Trimethylbenzene           | 0.32             | J <del>U</del> | 0.060 | 1.0 |
| 2-Chlorotoluene                  | 0.15             | U              | 0.065 | 1.0 |
| tert-Butylbenzene                | 0.15             | U              | 0.085 | 1.0 |
| 1,2,4-Trimethylbenzene           | 0.80             | J <del>U</del> | 0.070 | 1.0 |
| sec-Butylbenzene                 | 0.40             | U              | 0.40  | 1.0 |
| 4-Isopropyltoluene               | 0.40             | U              | 0.40  | 1.0 |
| 1,3-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| 1,4-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| Benzyl chloride                  | 0.40             | U              | 0.40  | 1.0 |
| n-Butylbenzene                   | 0.40             | U              | 0.40  | 1.0 |
| 1,2-Dichlorobenzene              | 0.15             | U              | 0.070 | 1.0 |
| 1,2,4-Trichlorobenzene           | 0.40             | U              | 0.14  | 2.5 |
| Hexachlorobutadiene              | 0.40             | U              | 0.11  | 1.0 |
| Naphthalene                      | 1.0              | U              | 1.0   | 2.5 |

| Analyte                       | Result (ug/m3) | Qualifier      | DL   | LOQ |
|-------------------------------|----------------|----------------|------|-----|
| Dichlorodifluoromethane       | 3.9            | J <del>U</del> | 0.74 | 12  |
| Freon 22                      | 2.0            | J <del>U</del> | 0.85 | 8.8 |
| 1,2-Dichlorotetrafluoroethane | 2.8            | U              | 1.2  | 7.0 |
| Chloromethane                 | 5.2            | U              | 1.4  | 5.2 |
| n-Butane                      | 22             | J <del>U</del> | 3.4  | 5.9 |
| Vinyl chloride                | 1.0            | U              | 0.49 | 2.6 |
| 1,3-Butadiene                 | 0.88           | U              | 0.46 | 2.2 |
| Bromomethane                  | 1.6            | U              | 0.54 | 3.9 |
| Chloroethane                  | 1.1            | U              | 0.40 | 6.6 |
| Bromoethene(Vinyl Bromide)    | 1.7            | U              | 0.66 | 4.4 |
| Trichlorofluoromethane        | 4.3            | J <del>U</del> | 0.84 | 5.6 |
| Freon TF                      | 1.1            | U              | 0.69 | 7.7 |
| 1,1-Dichloroethene            | 1.6            | U              | 0.48 | 4.0 |
| Acetone                       | 320            | J <del>U</del> | 15   | 59  |
| Isopropyl alcohol             | 190            | J <del>U</del> | 2.6  | 61  |
| Carbon disulfide              | 3.1            | U              | 1.0  | 7.8 |

CHW  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1011A0405CA

Lab Sample ID: 280-54595-6

Client Matrix: Air

Date Sampled: 04/15/2014 1435

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL   | LOQ |
|----------------------------------|----------------|-----------|------|-----|
| 3-Chloropropene                  | 1.3            | U         | 0.53 | 7.8 |
| Methylene Chloride               | 3.5            | U         | 2.2  | 8.7 |
| tert-Butyl alcohol               | 7.6            | U         | 5.0  | 76  |
| Methyl tert-butyl ether          | 1.4            | U         | 0.40 | 3.6 |
| trans-1,2-Dichloroethene         | 1.6            | U         | 0.57 | 4.0 |
| n-Hexane                         | 3.0            | J         | 0.60 | 3.5 |
| 1,1-Dichloroethane               | 1.6            | U         | 0.77 | 4.0 |
| Methyl Ethyl Ketone              | 20             | J         | 3.6  | 7.4 |
| cis-1,2-Dichloroethene           | 1.6            | U         | 0.75 | 4.0 |
| 1,2-Dichloroethene, Total        | 1.6            | U         | 1.3  | 4.0 |
| Chloroform                       | 2.0            | U         | 0.61 | 4.9 |
| Tetrahydrofuran                  | 1.2            | U         | 0.68 | 74  |
| 1,1,1-Trichloroethane            | 2.2            | U         | 0.57 | 5.5 |
| Cyclohexane                      | 1.4            | U         | 0.43 | 3.4 |
| Carbon tetrachloride             | 2.5            | U         | 0.66 | 6.3 |
| 2,2,4-Trimethylpentane           | 6.9            | J         | 0.63 | 4.7 |
| Benzene                          | 1.2            | J         | 0.30 | 3.2 |
| 1,2-Dichloroethane               | 0.61           | U         | 0.34 | 4.0 |
| n-Heptane                        | 1.0            | U         | 0.94 | 4.1 |
| Trichloroethene                  | 2.1            | U         | 0.64 | 5.4 |
| Methyl methacrylate              | 1.6            | U         | 0.61 | 10  |
| 1,2-Dichloropropane              | 1.8            | U         | 0.74 | 4.6 |
| 1,4-Dioxane                      | 3.6            | U         | 3.6  | 90  |
| Bromodichloromethane             | 1.0            | U         | 0.57 | 6.7 |
| cis-1,3-Dichloropropene          | 1.8            | U         | 0.64 | 4.5 |
| methyl isobutyl ketone           | 4.8            | J         | 0.55 | 10  |
| Toluene                          | 42             | J         | 0.32 | 3.8 |
| trans-1,3-Dichloropropene        | 1.8            | U         | 0.50 | 4.5 |
| 1,1,2-Trichloroethane            | 0.82           | U         | 0.46 | 5.5 |
| Tetrachloroethene                | 1.0            | U         | 0.54 | 6.8 |
| Methyl Butyl Ketone (2-Hexanone) | 4.1            | U         | 4.1  | 10  |
| Dibromochloromethane             | 1.3            | U         | 0.85 | 8.5 |
| 1,2-Dibromoethane                | 3.1            | U         | 0.77 | 7.7 |
| Chlorobenzene                    | 0.69           | U         | 0.19 | 4.6 |
| Ethylbenzene                     | 2.4            | J         | 0.28 | 4.3 |
| m,p-Xylene                       | 8.9            | J         | 0.50 | 11  |
| Xylene, o-                       | 3.1            | J         | 0.35 | 4.3 |
| Xylene (total)                   | 12             | U         | 0.74 | 4.3 |
| Styrene                          | 0.64           | U         | 0.38 | 4.3 |
| Bromoform                        | 1.6            | U         | 0.52 | 10  |
| Cumene                           | 0.74           | U         | 0.39 | 4.9 |
| 1,1,2,2-Tetrachloroethane        | 1.0            | U         | 0.55 | 6.9 |
| n-Propylbenzene                  | 2.0            | U         | 2.0  | 4.9 |
| 4-Ethyltoluene                   | 1.4            | J         | 0.44 | 4.9 |
| 1,3,5-Trimethylbenzene           | 1.6            | J         | 0.29 | 4.9 |
| 2-Chlorotoluene                  | 0.78           | U         | 0.34 | 5.2 |

CLL  
5/9/14

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1011A0405CA

Lab Sample ID: 280-54595-6

Date Sampled: 04/15/2014 1435

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_012.d |
| Dilution:        | 5.0             |                 |           | Initial Weight/Volume: | 40 mL      |
| Analysis Date:   | 04/25/2014 2054 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2054 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier      | DL   | LOQ |
|------------------------|----------------|----------------|------|-----|
| tert-Butylbenzene      | 0.82           | U              | 0.47 | 5.5 |
| 1,2,4-Trimethylbenzene | 3.9            | J <del>U</del> | 0.34 | 4.9 |
| sec-Butylbenzene       | 2.2            | U              | 2.2  | 5.5 |
| 4-Isopropyltoluene     | 2.2            | U              | 2.2  | 5.5 |
| 1,3-Dichlorobenzene    | 0.90           | U              | 0.42 | 6.0 |
| 1,4-Dichlorobenzene    | 0.90           | U              | 0.42 | 6.0 |
| Benzyl chloride        | 2.1            | U              | 2.1  | 5.2 |
| n-Butylbenzene         | 2.2            | U              | 2.2  | 5.5 |
| 1,2-Dichlorobenzene    | 0.90           | U              | 0.42 | 6.0 |
| 1,2,4-Trichlorobenzene | 3.0            | U              | 1.0  | 19  |
| Hexachlorobutadiene    | 4.3            | U              | 1.2  | 11  |
| Naphthalene            | 5.2            | U              | 5.2  | 13  |

cut  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.55             |           | 0.030 | 0.50 |
| Freon 22                      | 0.26             | J         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.54             |           | 0.14  | 0.50 |
| n-Butane                      | 1.5              |           | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.24             | M         | 0.030 | 0.20 |
| Freon TF                      | 0.071            | J M       | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 3.9              | J         | 1.3   | 5.0  |
| Isopropyl alcohol             | 0.59             | J         | 0.22  | 5.0  |
| Carbon disulfide              | 0.20             | U         | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.20             | U         | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.63             |           | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 0.44             | J         | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 0.080            | U         | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.080            | U         | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.070            | J         | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.049            | J         | 0.027 | 0.20 |
| Benzene                       | 0.095            | J         | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.50             | M         | 0.046 | 0.20 |
| Trichloroethene               | 0.080            | U         | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.030            | U         | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.080            | U         | 0.027 | 0.50 |
| Toluene                       | 0.37             |           | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 0.030            | U         | 0.016 | 0.20 |

CHW  
5/9/14



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Client Matrix: Air

Date Sampled: 04/17/2014 1100

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.I      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.030            | U         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.080            | U         | 0.023  | 0.50 |
| Xylene, o-                       | 0.030            | U         | 0.016  | 0.20 |
| Xylene (total)                   | 0.080            | U         | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.030            | U         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.036            | J         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.042            | J         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.088            | J         | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 2.7            |           | 0.15  | 2.5  |
| Freon 22                      | 0.93           | J         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.1            |           | 0.28  | 1.0  |
| n-Butane                      | 3.6            |           | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 1.3            | J         | 0.17  | 1.1  |
| Freon TF                      | 0.54           | J M       | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 9.3            | J         | 3.0   | 12   |
| Isopropyl alcohol             | 1.5            | J         | 0.53  | 12   |
| Carbon disulfide              | 0.62           | U         | 0.21  | 1.6  |

cut  
5/9/14

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101OA0305CA

Lab Sample ID: 280-54595-7

Client Matrix: Air

Date Sampled: 04/17/2014 1100

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 0.69           | U         | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 2.2            |           | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 1.3            | J         | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 0.39           | U         | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 0.44           | U         | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 0.44           | J         | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 0.23           | J         | 0.13  | 0.93 |
| Benzene                          | 0.30           | J         | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 2.0            | M         | 0.19  | 0.82 |
| Trichloroethene                  | 0.43           | U         | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.20           | U         | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.33           | U         | 0.11  | 2.0  |
| Toluene                          | 1.4            |           | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 0.20           | U         | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.13           | U         | 0.056 | 0.87 |
| m,p-Xylene                       | 0.35           | U         | 0.10  | 2.2  |
| Xylene, o-                       | 0.13           | U         | 0.069 | 0.87 |
| Xylene (total)                   | 0.35           | U         | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.15           | U         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.18           | J         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.20           | J         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

cut  
5/9/14

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 1010A0305CA

Lab Sample ID: 280-54595-7

Date Sampled: 04/17/2014 1100

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds In Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_013.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2144 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2144 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 0.43           | J         | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Date Sampled: 04/15/2014 1430

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.78             |           | 0.030 | 0.50 |
| Freon 22                      | 0.43             | J         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.50             | U         | 0.14  | 0.50 |
| n-Butane                      | 0.78             |           | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.84             |           | 0.030 | 0.20 |
| Freon TF                      | 0.14             | J         | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 13               |           | 1.3   | 5.0  |
| Isopropyl alcohol             | 2.5              | J         | 0.22  | 5.0  |
| Carbon disulfide              | 0.74             |           | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.87             |           | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.080            | J         | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 1.1              |           | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 15               |           | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.48             |           | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.54             |           | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.24             |           | 0.027 | 0.20 |
| Benzene                       | 0.12             | JM        | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.080            | U         | 0.046 | 0.20 |
| Trichloroethene               | 8.4              |           | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.095            | JM        | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.14             | J         | 0.027 | 0.50 |
| Toluene                       | 0.80             |           | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 2.1              |           | 0.016 | 0.20 |

W  
5/9/14

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Client Matrix: Air

Date Sampled: 04/15/2014 1430

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb w/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.10             | J         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.49             | J         | 0.023  | 0.50 |
| Xylene, o-                       | 0.18             | J         | 0.016  | 0.20 |
| Xylene (total)                   | 0.67             |           | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.018            | J         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.070            | J         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.075            | J         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.22             |           | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 3.8            |           | 0.15  | 2.5  |
| Freon 22                      | 1.5            | J         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.0            | U         | 0.28  | 1.0  |
| n-Butane                      | 1.8            |           | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 4.7            |           | 0.17  | 1.1  |
| Freon TF                      | 1.1            | J         | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 31             |           | 3.0   | 12   |
| Isopropyl alcohol             | 6.2            | J         | 0.53  | 12   |
| Carbon disulfide              | 2.3            |           | 0.21  | 1.6  |

## Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Date Sampled: 04/15/2014 1430

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 3.0            |           | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 0.28           | J         | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 3.2            |           | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 73             |           | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 2.6            |           | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 3.4            |           | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 1.1            |           | 0.13  | 0.93 |
| Benzene                          | 0.38           | JM        | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 0.33           | U         | 0.19  | 0.82 |
| Trichloroethene                  | 45             |           | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.63           | JM        | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.58           | J         | 0.11  | 2.0  |
| Toluene                          | 3.0            |           | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 14             |           | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.45           | J         | 0.056 | 0.87 |
| m,p-Xylene                       | 2.1            | J         | 0.10  | 2.2  |
| Xylene, o-                       | 0.77           | J         | 0.069 | 0.87 |
| Xylene (total)                   | 2.9            |           | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.090          | J         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.35           | J         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.37           | J         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

CHW  
5/9/14

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 101CA01CA

Lab Sample ID: 280-54595-8

Date Sampled: 04/15/2014 1430

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_014.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2234 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2234 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 1.1            |           | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Client Matrix: Air

Date Sampled: 04/16/2014 1200

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                       | Result (ppb v/v) | Qualifier | DL    | LOQ  |
|-------------------------------|------------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.080            | U         | 0.030 | 0.50 |
| Freon 22                      | 0.080            | U         | 0.048 | 0.50 |
| 1,2-Dichlorotetrafluoroethane | 0.080            | U         | 0.035 | 0.20 |
| Chloromethane                 | 0.50             | U         | 0.14  | 0.50 |
| n-Butane                      | 0.50             | U         | 0.28  | 0.50 |
| Vinyl chloride                | 0.080            | U         | 0.038 | 0.20 |
| 1,3-Butadiene                 | 0.080            | U         | 0.042 | 0.20 |
| Bromomethane                  | 0.080            | U         | 0.028 | 0.20 |
| Chloroethane                  | 0.080            | U         | 0.030 | 0.50 |
| Bromoethene(Vinyl Bromide)    | 0.080            | U         | 0.030 | 0.20 |
| Trichlorofluoromethane        | 0.080            | U         | 0.030 | 0.20 |
| Freon TF                      | 0.030            | U         | 0.018 | 0.20 |
| 1,1-Dichloroethene            | 0.080            | U         | 0.024 | 0.20 |
| Acetone                       | 2.5              | U         | 1.3   | 5.0  |
| Isopropyl alcohol             | 0.50             | U         | 0.22  | 5.0  |
| Carbon disulfide              | 0.20             | U         | 0.066 | 0.50 |
| 3-Chloropropene               | 0.080            | U         | 0.034 | 0.50 |
| Methylene Chloride            | 0.20             | U         | 0.13  | 0.50 |
| tert-Butyl alcohol            | 0.50             | U         | 0.33  | 5.0  |
| Methyl tert-butyl ether       | 0.080            | U         | 0.022 | 0.20 |
| trans-1,2-Dichloroethene      | 0.080            | U         | 0.029 | 0.20 |
| n-Hexane                      | 0.080            | U         | 0.034 | 0.20 |
| 1,1-Dichloroethane            | 0.080            | U         | 0.038 | 0.20 |
| Methyl Ethyl Ketone           | 0.50             | U         | 0.24  | 0.50 |
| cis-1,2-Dichloroethene        | 0.080            | U         | 0.038 | 0.20 |
| 1,2-Dichloroethene, Total     | 0.080            | U         | 0.064 | 0.20 |
| Chloroform                    | 0.080            | U         | 0.025 | 0.20 |
| Tetrahydrofuran               | 0.080            | U         | 0.046 | 5.0  |
| 1,1,1-Trichloroethane         | 0.080            | U         | 0.021 | 0.20 |
| Cyclohexane                   | 0.080            | U         | 0.025 | 0.20 |
| Carbon tetrachloride          | 0.080            | U         | 0.021 | 0.20 |
| 2,2,4-Trimethylpentane        | 0.080            | U         | 0.027 | 0.20 |
| Benzene                       | 0.030            | U         | 0.019 | 0.20 |
| 1,2-Dichloroethane            | 0.030            | U         | 0.017 | 0.20 |
| n-Heptane                     | 0.080            | U         | 0.046 | 0.20 |
| Trichloroethene               | 0.080            | U         | 0.024 | 0.20 |
| Methyl methacrylate           | 0.080            | U         | 0.030 | 0.50 |
| 1,2-Dichloropropane           | 0.080            | U         | 0.032 | 0.20 |
| 1,4-Dioxane                   | 0.20             | U         | 0.20  | 5.0  |
| Bromodichloromethane          | 0.030            | U         | 0.017 | 0.20 |
| cis-1,3-Dichloropropene       | 0.080            | U         | 0.028 | 0.20 |
| methyl isobutyl ketone        | 0.080            | U         | 0.027 | 0.50 |
| Toluene                       | 0.030            | U         | 0.017 | 0.20 |
| trans-1,3-Dichloropropene     | 0.080            | U         | 0.022 | 0.20 |
| 1,1,2-Trichloroethane         | 0.030            | U         | 0.017 | 0.20 |
| Tetrachloroethene             | 0.030            | U         | 0.016 | 0.20 |



# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Date Sampled: 04/16/2014 1200

Client Matrix: Air

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ppb v/v) | Qualifier | DL     | LOQ  |
|----------------------------------|------------------|-----------|--------|------|
| Methyl Butyl Ketone (2-Hexanone) | 0.20             | U         | 0.20   | 0.50 |
| Dibromochloromethane             | 0.030            | U         | 0.020  | 0.20 |
| 1,2-Dibromoethane                | 0.080            | U         | 0.020  | 0.20 |
| Chlorobenzene                    | 0.030            | U         | 0.0081 | 0.20 |
| Ethylbenzene                     | 0.030            | U         | 0.013  | 0.20 |
| m,p-Xylene                       | 0.080            | U         | 0.023  | 0.50 |
| Xylene, o-                       | 0.030            | U         | 0.016  | 0.20 |
| Xylene (total)                   | 0.080            | U         | 0.034  | 0.20 |
| Styrene                          | 0.030            | U         | 0.018  | 0.20 |
| Bromoform                        | 0.030            | U         | 0.010  | 0.20 |
| Cumene                           | 0.030            | U         | 0.016  | 0.20 |
| 1,1,2,2-Tetrachloroethane        | 0.030            | U         | 0.016  | 0.20 |
| n-Propylbenzene                  | 0.080            | U         | 0.080  | 0.20 |
| 4-Ethyltoluene                   | 0.030            | U         | 0.018  | 0.20 |
| 1,3,5-Trimethylbenzene           | 0.030            | U         | 0.012  | 0.20 |
| 2-Chlorotoluene                  | 0.030            | U         | 0.013  | 0.20 |
| tert-Butylbenzene                | 0.030            | U         | 0.017  | 0.20 |
| 1,2,4-Trimethylbenzene           | 0.030            | U         | 0.014  | 0.20 |
| sec-Butylbenzene                 | 0.080            | U         | 0.080  | 0.20 |
| 4-Isopropyltoluene               | 0.080            | U         | 0.080  | 0.20 |
| 1,3-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,4-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| Benzyl chloride                  | 0.080            | U         | 0.080  | 0.20 |
| n-Butylbenzene                   | 0.080            | U         | 0.080  | 0.20 |
| 1,2-Dichlorobenzene              | 0.030            | U         | 0.014  | 0.20 |
| 1,2,4-Trichlorobenzene           | 0.080            | U         | 0.027  | 0.50 |
| Hexachlorobutadiene              | 0.080            | U         | 0.022  | 0.20 |
| Naphthalene                      | 0.20             | U         | 0.20   | 0.50 |

| Analyte                       | Result (ug/m3) | Qualifier | DL    | LOQ  |
|-------------------------------|----------------|-----------|-------|------|
| Dichlorodifluoromethane       | 0.40           | U         | 0.15  | 2.5  |
| Freon 22                      | 0.28           | U         | 0.17  | 1.8  |
| 1,2-Dichlorotetrafluoroethane | 0.56           | U         | 0.24  | 1.4  |
| Chloromethane                 | 1.0            | U         | 0.28  | 1.0  |
| n-Butane                      | 1.2            | U         | 0.67  | 1.2  |
| Vinyl chloride                | 0.20           | U         | 0.097 | 0.51 |
| 1,3-Butadiene                 | 0.18           | U         | 0.093 | 0.44 |
| Bromomethane                  | 0.31           | U         | 0.11  | 0.78 |
| Chloroethane                  | 0.21           | U         | 0.079 | 1.3  |
| Bromoethene(Vinyl Bromide)    | 0.35           | U         | 0.13  | 0.87 |
| Trichlorofluoromethane        | 0.45           | U         | 0.17  | 1.1  |
| Freon TF                      | 0.23           | U         | 0.14  | 1.5  |
| 1,1-Dichloroethene            | 0.32           | U         | 0.095 | 0.79 |
| Acetone                       | 5.9            | U         | 3.0   | 12   |
| Isopropyl alcohol             | 1.2            | U         | 0.53  | 12   |
| Carbon disulfide              | 0.62           | U         | 0.21  | 1.6  |

# Analytical Data

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Client Matrix: Air

Date Sampled: 04/16/2014 1200

Date Received: 04/23/2014 1503

## TO-15 Volatile Organic Compounds in Ambient Air

|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                          | Result (ug/m3) | Qualifier | DL    | LOQ  |
|----------------------------------|----------------|-----------|-------|------|
| 3-Chloropropene                  | 0.25           | U         | 0.11  | 1.6  |
| Methylene Chloride               | 0.69           | U         | 0.43  | 1.7  |
| tert-Butyl alcohol               | 1.5            | U         | 0.99  | 15   |
| Methyl tert-butyl ether          | 0.29           | U         | 0.079 | 0.72 |
| trans-1,2-Dichloroethene         | 0.32           | U         | 0.11  | 0.79 |
| n-Hexane                         | 0.28           | U         | 0.12  | 0.70 |
| 1,1-Dichloroethane               | 0.32           | U         | 0.15  | 0.81 |
| Methyl Ethyl Ketone              | 1.5            | U         | 0.71  | 1.5  |
| cis-1,2-Dichloroethene           | 0.32           | U         | 0.15  | 0.79 |
| 1,2-Dichloroethene, Total        | 0.32           | U         | 0.25  | 0.79 |
| Chloroform                       | 0.39           | U         | 0.12  | 0.98 |
| Tetrahydrofuran                  | 0.24           | U         | 0.14  | 15   |
| 1,1,1-Trichloroethane            | 0.44           | U         | 0.11  | 1.1  |
| Cyclohexane                      | 0.28           | U         | 0.086 | 0.69 |
| Carbon tetrachloride             | 0.50           | U         | 0.13  | 1.3  |
| 2,2,4-Trimethylpentane           | 0.37           | U         | 0.13  | 0.93 |
| Benzene                          | 0.096          | U         | 0.061 | 0.64 |
| 1,2-Dichloroethane               | 0.12           | U         | 0.069 | 0.81 |
| n-Heptane                        | 0.33           | U         | 0.19  | 0.82 |
| Trichloroethene                  | 0.43           | U         | 0.13  | 1.1  |
| Methyl methacrylate              | 0.33           | U         | 0.12  | 2.0  |
| 1,2-Dichloropropane              | 0.37           | U         | 0.15  | 0.92 |
| 1,4-Dioxane                      | 0.72           | U         | 0.72  | 18   |
| Bromodichloromethane             | 0.20           | U         | 0.11  | 1.3  |
| cis-1,3-Dichloropropene          | 0.36           | U         | 0.13  | 0.91 |
| methyl isobutyl ketone           | 0.33           | U         | 0.11  | 2.0  |
| Toluene                          | 0.11           | U         | 0.064 | 0.75 |
| trans-1,3-Dichloropropene        | 0.36           | U         | 0.10  | 0.91 |
| 1,1,2-Trichloroethane            | 0.16           | U         | 0.093 | 1.1  |
| Tetrachloroethene                | 0.20           | U         | 0.11  | 1.4  |
| Methyl Butyl Ketone (2-Hexanone) | 0.82           | U         | 0.82  | 2.0  |
| Dibromochloromethane             | 0.26           | U         | 0.17  | 1.7  |
| 1,2-Dibromoethane                | 0.61           | U         | 0.15  | 1.5  |
| Chlorobenzene                    | 0.14           | U         | 0.037 | 0.92 |
| Ethylbenzene                     | 0.13           | U         | 0.056 | 0.87 |
| m,p-Xylene                       | 0.35           | U         | 0.10  | 2.2  |
| Xylene, o-                       | 0.13           | U         | 0.069 | 0.87 |
| Xylene (total)                   | 0.35           | U         | 0.15  | 0.87 |
| Styrene                          | 0.13           | U         | 0.077 | 0.85 |
| Bromoform                        | 0.31           | U         | 0.10  | 2.1  |
| Cumene                           | 0.15           | U         | 0.079 | 0.98 |
| 1,1,2,2-Tetrachloroethane        | 0.21           | U         | 0.11  | 1.4  |
| n-Propylbenzene                  | 0.39           | U         | 0.39  | 0.98 |
| 4-Ethyltoluene                   | 0.15           | U         | 0.088 | 0.98 |
| 1,3,5-Trimethylbenzene           | 0.15           | U         | 0.059 | 0.98 |
| 2-Chlorotoluene                  | 0.16           | U         | 0.067 | 1.0  |

**Analytical Data**

Client: FPM Remediations Inc

Job Number: 280-54595-1

Client Sample ID: 041614TB

Lab Sample ID: 280-54595-9TB

Date Sampled: 04/16/2014 1200

Client Matrix: Air

Date Received: 04/23/2014 1503

**TO-15 Volatile Organic Compounds in Ambient Air**

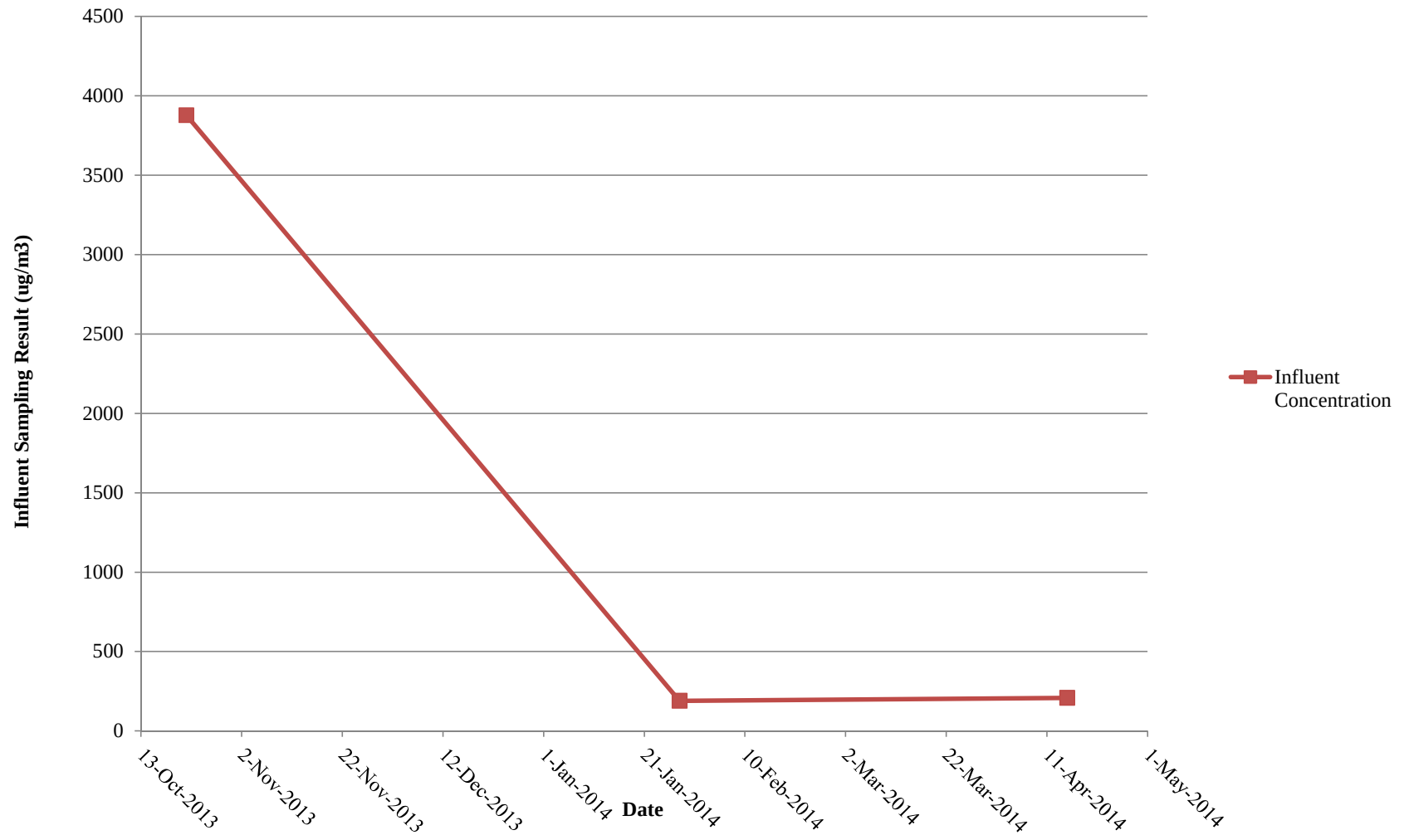
|                  |                 |                 |           |                        |            |
|------------------|-----------------|-----------------|-----------|------------------------|------------|
| Analysis Method: | TO-15           | Analysis Batch: | 200-71232 | Instrument ID:         | CHW.i      |
| Prep Method:     | Summa Canister  | Prep Batch:     | N/A       | Lab File ID:           | 7223_015.d |
| Dilution:        | 1.0             |                 |           | Initial Weight/Volume: | 200 mL     |
| Analysis Date:   | 04/25/2014 2323 |                 |           | Final Weight/Volume:   | 200 mL     |
| Prep Date:       | 04/25/2014 2323 |                 |           | Injection Volume:      | 200 mL     |

| Analyte                | Result (ug/m3) | Qualifier | DL    | LOQ  |
|------------------------|----------------|-----------|-------|------|
| tert-Butylbenzene      | 0.16           | U         | 0.093 | 1.1  |
| 1,2,4-Trimethylbenzene | 0.15           | U         | 0.069 | 0.98 |
| sec-Butylbenzene       | 0.44           | U         | 0.44  | 1.1  |
| 4-Isopropyltoluene     | 0.44           | U         | 0.44  | 1.1  |
| 1,3-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,4-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| Benzyl chloride        | 0.41           | U         | 0.41  | 1.0  |
| n-Butylbenzene         | 0.44           | U         | 0.44  | 1.1  |
| 1,2-Dichlorobenzene    | 0.18           | U         | 0.084 | 1.2  |
| 1,2,4-Trichlorobenzene | 0.59           | U         | 0.20  | 3.7  |
| Hexachlorobutadiene    | 0.85           | U         | 0.23  | 2.1  |
| Naphthalene            | 1.0            | U         | 1.0   | 2.6  |

## **Appendix F**

### **Mass Contaminant Removal Calculation and Table**

## Influent Sampling Results over Time



**ST006 Building 101 AOC**  
**Contaminant Mass Removal**

| Date      | Influent<br>(ug/m <sup>3</sup> ) | Average Flow<br>Rate (acfm) | Influent Mass<br>(mg/day) |
|-----------|----------------------------------|-----------------------------|---------------------------|
| 22-Oct-13 | 3877.60                          | 17                          | 2690.00                   |
| 23-Oct-13 | 3839.01                          | 17                          | 2663.23                   |
| 24-Oct-13 | 3801.37                          | 17                          | 2637.12                   |
| 25-Oct-13 | 3763.74                          | 17                          | 2611.01                   |
| 26-Oct-13 | 3726.10                          | 17                          | 2584.90                   |
| 27-Oct-13 | 3688.46                          | 17                          | 2558.79                   |
| 28-Oct-13 | 3650.83                          | 17                          | 2532.69                   |
| 29-Oct-13 | 3613.19                          | 17                          | 2506.58                   |
| 30-Oct-13 | 3575.55                          | 17                          | 2480.47                   |
| 31-Oct-13 | 3537.92                          | 17                          | 2454.36                   |
| 1-Nov-13  | 3500.28                          | 17                          | 2428.25                   |
| 2-Nov-13  | 3462.65                          | 17                          | 2402.14                   |
| 3-Nov-13  | 3425.01                          | 17                          | 2376.03                   |
| 4-Nov-13  | 3387.37                          | 17                          | 2349.92                   |
| 5-Nov-13  | 3349.74                          | 17                          | 2323.81                   |
| 6-Nov-13  | 3312.10                          | 17                          | 2297.70                   |
| 7-Nov-13  | 3274.46                          | 17                          | 2271.59                   |
| 8-Nov-13  | 3236.83                          | 17                          | 2245.48                   |
| 9-Nov-13  | 3199.19                          | 17                          | 2219.37                   |
| 10-Nov-13 | 3161.56                          | 17                          | 2193.26                   |
| 11-Nov-13 | 3123.92                          | 17                          | 2167.15                   |
| 12-Nov-13 | 3086.28                          | 17                          | 2141.04                   |
| 13-Nov-13 | 3048.65                          | 17                          | 2114.93                   |
| 14-Nov-13 | 3011.01                          | 17                          | 2088.83                   |
| 15-Nov-13 | 2973.37                          | 17                          | 2062.72                   |
| 16-Nov-13 | 2935.74                          | 17                          | 2036.61                   |
| 17-Nov-13 | 2898.10                          | 17                          | 2010.50                   |
| 18-Nov-13 | 2860.47                          | 17                          | 1984.39                   |
| 19-Nov-13 | 2822.83                          | 17                          | 1958.28                   |
| 20-Nov-13 | 2785.19                          | 17                          | 1932.17                   |
| 21-Nov-13 | 2747.56                          | 17                          | 1906.06                   |
| 22-Nov-13 | 2709.92                          | 17                          | 1879.95                   |
| 23-Nov-13 | 2672.28                          | 17                          | 1853.84                   |
| 24-Nov-13 | 2634.65                          | 17                          | 1827.73                   |
| 25-Nov-13 | 2597.01                          | 17                          | 1801.62                   |
| 26-Nov-13 | 2559.37                          | 17                          | 1775.51                   |
| 27-Nov-13 | 2521.74                          | 17                          | 1749.40                   |
| 28-Nov-13 | 2484.10                          | 17                          | 1723.29                   |
| 29-Nov-13 | 2446.47                          | 17                          | 1697.18                   |

**ST006 Building 101 AOC**  
**Contaminant Mass Removal**

| Date      | Influent<br>(ug/m <sup>3</sup> ) | Average Flow<br>Rate (acfm) | Influent Mass<br>(mg/day) |
|-----------|----------------------------------|-----------------------------|---------------------------|
| 30-Nov-13 | 2408.83                          | 17                          | 1671.08                   |
| 1-Dec-13  | 2371.19                          | 17                          | 1644.97                   |
| 2-Dec-13  | 2333.56                          | 17                          | 1618.86                   |
| 3-Dec-13  | 2295.92                          | 17                          | 1592.75                   |
| 4-Dec-13  | 2258.28                          | 17                          | 1566.64                   |
| 5-Dec-13  | 2220.65                          | 17                          | 1540.53                   |
| 6-Dec-13  | 2183.01                          | 17                          | 1514.42                   |
| 7-Dec-13  | 2145.38                          | 17                          | 1488.31                   |
| 8-Dec-13  | 2107.74                          | 17                          | 1462.20                   |
| 9-Dec-13  | 2070.10                          | 17                          | 1436.09                   |
| 10-Dec-13 | 2032.47                          | 17                          | 1409.98                   |
| 11-Dec-13 | 1994.83                          | 17                          | 1383.87                   |
| 12-Dec-13 | 1957.19                          | 17                          | 1357.76                   |
| 13-Dec-13 | 1919.56                          | 17                          | 1331.65                   |
| 14-Dec-13 | 1881.92                          | 17                          | 1305.54                   |
| 15-Dec-13 | 1844.29                          | 17                          | 1279.43                   |
| 16-Dec-13 | 1806.65                          | 17                          | 1253.32                   |
| 17-Dec-13 | 1769.01                          | 17                          | 1227.22                   |
| 18-Dec-13 | 1731.38                          | 17                          | 1201.11                   |
| 19-Dec-13 | 1693.74                          | 17                          | 1175.00                   |
| 20-Dec-13 | 1656.10                          | 17                          | 1148.89                   |
| 21-Dec-13 | 1618.47                          | 17                          | 1122.78                   |
| 22-Dec-13 | 1580.83                          | 17                          | 1096.67                   |
| 23-Dec-13 | 1543.19                          | 17                          | 1070.56                   |
| 24-Dec-13 | 1505.56                          | 17                          | 1044.45                   |
| 25-Dec-13 | 1467.92                          | 17                          | 1018.34                   |
| 26-Dec-13 | 1430.29                          | 17                          | 992.23                    |
| 27-Dec-13 | 1392.65                          | 17                          | 966.12                    |
| 28-Dec-13 | 1355.01                          | 17                          | 940.01                    |
| 29-Dec-13 | 1317.38                          | 17                          | 913.90                    |
| 30-Dec-13 | 1279.74                          | 17                          | 887.79                    |
| 31-Dec-13 | 1242.10                          | 17                          | 861.68                    |
| 1-Jan-14  | 1204.47                          | 17                          | 835.57                    |
| 2-Jan-14  | 1166.83                          | 17                          | 809.47                    |
| 3-Jan-14  | 1129.20                          | 17                          | 783.36                    |
| 4-Jan-14  | 1091.56                          | 17                          | 757.25                    |
| 5-Jan-14  | 1053.92                          | 17                          | 731.14                    |
| 6-Jan-14  | 1016.29                          | 17                          | 705.03                    |
| 7-Jan-14  | 978.65                           | 17                          | 678.92                    |
| 8-Jan-14  | 941.01                           | 17                          | 652.81                    |

**ST006 Building 101 AOC**  
**Contaminant Mass Removal**

| Date      | Influent<br>(ug/m <sup>3</sup> ) | Average Flow<br>Rate (acfm) | Influent Mass<br>(mg/day) |
|-----------|----------------------------------|-----------------------------|---------------------------|
| 9-Jan-14  | 903.38                           | 17                          | 626.70                    |
| 10-Jan-14 | 865.74                           | 17                          | 600.59                    |
| 11-Jan-14 | 828.10                           | 17                          | 574.48                    |
| 12-Jan-14 | 790.47                           | 17                          | 548.37                    |
| 13-Jan-14 | 752.83                           | 17                          | 522.26                    |
| 14-Jan-14 | 715.20                           | 17                          | 496.15                    |
| 15-Jan-14 | 677.56                           | 17                          | 470.04                    |
| 16-Jan-14 | 639.92                           | 17                          | 443.93                    |
| 17-Jan-14 | 602.29                           | 17                          | 417.82                    |
| 18-Jan-14 | 564.65                           | 17                          | 391.71                    |
| 19-Jan-14 | 527.01                           | 17                          | 365.61                    |
| 20-Jan-14 | 489.38                           | 17                          | 339.50                    |
| 21-Jan-14 | 451.74                           | 17                          | 313.39                    |
| 22-Jan-14 | 414.11                           | 17                          | 287.28                    |
| 23-Jan-14 | 376.47                           | 17                          | 261.17                    |
| 24-Jan-14 | 338.83                           | 17                          | 235.06                    |
| 25-Jan-14 | 301.20                           | 17                          | 208.95                    |
| 26-Jan-14 | 263.56                           | 17                          | 182.84                    |
| 27-Jan-14 | 225.92                           | 17                          | 156.73                    |
| 28-Jan-14 | 188.29                           | 17                          | 130.62                    |
| 29-Jan-14 | 189.51                           | 17                          | 131.47                    |
| 30-Jan-14 | 189.75                           | 17                          | 131.64                    |
| 31-Jan-14 | 190.00                           | 17                          | 131.81                    |
| 1-Feb-14  | 190.24                           | 17                          | 131.97                    |
| 2-Feb-14  | 190.48                           | 17                          | 132.14                    |
| 3-Feb-14  | 190.72                           | 17                          | 132.31                    |
| 4-Feb-14  | 190.96                           | 17                          | 132.47                    |
| 5-Feb-14  | 191.20                           | 17                          | 132.64                    |
| 6-Feb-14  | 191.44                           | 17                          | 132.81                    |
| 7-Feb-14  | 191.68                           | 17                          | 132.98                    |
| 8-Feb-14  | 191.92                           | 17                          | 133.14                    |
| 9-Feb-14  | 192.16                           | 17                          | 133.31                    |
| 10-Feb-14 | 192.41                           | 17                          | 133.48                    |
| 11-Feb-14 | 192.65                           | 17                          | 133.64                    |
| 12-Feb-14 | 192.89                           | 17                          | 133.81                    |
| 13-Feb-14 | 193.13                           | 17                          | 133.98                    |
| 14-Feb-14 | 193.37                           | 17                          | 134.15                    |
| 15-Feb-14 | 193.61                           | 17                          | 134.31                    |
| 16-Feb-14 | 193.85                           | 17                          | 134.48                    |
| 17-Feb-14 | 194.09                           | 17                          | 134.65                    |



**ST006 Building 101 AOC**  
**Contaminant Mass Removal**

| Date      | Influent<br>(ug/m <sup>3</sup> ) | Average Flow<br>Rate (acfm) | Influent Mass<br>(mg/day) |
|-----------|----------------------------------|-----------------------------|---------------------------|
| 18-Feb-14 | 194.33                           | 17                          | 134.82                    |
| 19-Feb-14 | 194.57                           | 17                          | 134.98                    |
| 20-Feb-14 | 194.82                           | 17                          | 135.15                    |
| 21-Feb-14 | 195.06                           | 17                          | 135.32                    |
| 22-Feb-14 | 195.30                           | 17                          | 135.48                    |
| 23-Feb-14 | 195.54                           | 17                          | 135.65                    |
| 24-Feb-14 | 195.78                           | 17                          | 135.82                    |
| 25-Feb-14 | 196.02                           | 17                          | 135.99                    |
| 26-Feb-14 | 196.26                           | 17                          | 136.15                    |
| 27-Feb-14 | 196.50                           | 17                          | 136.32                    |
| 28-Feb-14 | 196.74                           | 17                          | 136.49                    |
| 1-Mar-14  | 196.99                           | 17                          | 136.65                    |
| 2-Mar-14  | 197.23                           | 17                          | 136.82                    |
| 3-Mar-14  | 197.47                           | 17                          | 136.99                    |
| 4-Mar-14  | 197.71                           | 17                          | 137.16                    |
| 5-Mar-14  | 197.95                           | 17                          | 137.32                    |
| 6-Mar-14  | 198.19                           | 17                          | 137.49                    |
| 7-Mar-14  | 198.43                           | 17                          | 137.66                    |
| 8-Mar-14  | 198.67                           | 17                          | 137.82                    |
| 9-Mar-14  | 198.91                           | 17                          | 137.99                    |
| 10-Mar-14 | 199.15                           | 17                          | 138.16                    |
| 11-Mar-14 | 199.40                           | 17                          | 138.33                    |
| 12-Mar-14 | 199.64                           | 17                          | 138.49                    |
| 13-Mar-14 | 199.88                           | 17                          | 138.66                    |
| 14-Mar-14 | 200.12                           | 17                          | 138.83                    |
| 15-Mar-14 | 200.36                           | 17                          | 139.00                    |
| 16-Mar-14 | 200.60                           | 17                          | 139.16                    |
| 17-Mar-14 | 200.84                           | 17                          | 139.33                    |
| 18-Mar-14 | 201.08                           | 17                          | 139.50                    |
| 19-Mar-14 | 201.32                           | 17                          | 139.66                    |
| 20-Mar-14 | 201.57                           | 17                          | 139.83                    |
| 21-Mar-14 | 201.81                           | 17                          | 140.00                    |
| 22-Mar-14 | 202.05                           | 17                          | 140.17                    |
| 23-Mar-14 | 202.29                           | 17                          | 140.33                    |
| 24-Mar-14 | 202.53                           | 17                          | 140.50                    |
| 25-Mar-14 | 202.77                           | 17                          | 140.67                    |
| 26-Mar-14 | 203.01                           | 17                          | 140.83                    |
| 27-Mar-14 | 203.25                           | 17                          | 141.00                    |
| 28-Mar-14 | 203.49                           | 17                          | 141.17                    |
| 29-Mar-14 | 203.73                           | 17                          | 141.34                    |

**ST006 Building 101 AOC**  
**Contaminant Mass Removal**

| Date      | Influent<br>(ug/m <sup>3</sup> ) | Average Flow<br>Rate (acfm) | Influent Mass<br>(mg/day) |
|-----------|----------------------------------|-----------------------------|---------------------------|
| 30-Mar-14 | 203.98                           | 17                          | 141.50                    |
| 31-Mar-14 | 204.22                           | 17                          | 141.67                    |
| 1-Apr-14  | 204.46                           | 17                          | 141.84                    |
| 2-Apr-14  | 204.70                           | 17                          | 142.01                    |
| 3-Apr-14  | 204.94                           | 17                          | 142.17                    |
| 4-Apr-14  | 205.18                           | 17                          | 142.34                    |
| 5-Apr-14  | 205.42                           | 17                          | 142.51                    |
| 6-Apr-14  | 205.66                           | 17                          | 142.67                    |
| 7-Apr-14  | 205.90                           | 17                          | 142.84                    |
| 8-Apr-14  | 206.14                           | 17                          | 143.01                    |
| 9-Apr-14  | 206.39                           | 17                          | 143.18                    |
| 10-Apr-14 | 206.63                           | 17                          | 143.34                    |
| 11-Apr-14 | 206.87                           | 17                          | 143.51                    |
| 12-Apr-14 | 207.11                           | 17                          | 143.68                    |
| 13-Apr-14 | 207.35                           | 17                          | 143.84                    |
| 14-Apr-14 | 207.59                           | 17                          | 144.01                    |
| 15-Apr-14 | 207.83                           | 17                          | 144.18                    |
| SUM       |                                  |                             | 150,201.31                |